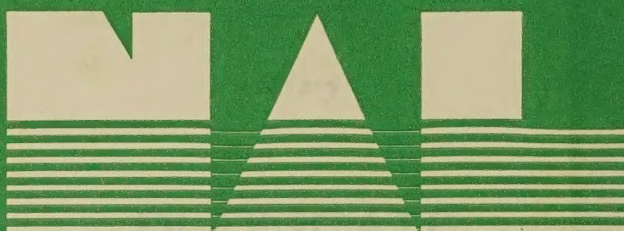


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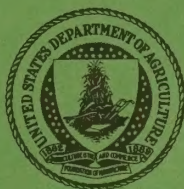
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PLANT SCIENCE

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- 49146 AMERICAN FORESTRY ASSOCIATION. Report on American big trees. II. Amer. Forests 57 (5):24-25. May 1951. 99.8 F762
- 49147 BLUNT, W. Botanical illustration. Roy. Hort. Soc. J. 76:118-128. Apr. 1951. 84 L84J
- 49148 BOUREAU, E. Etude paléoxylologique du Sahara. IX. Sur un *Myristicoxylon princeps* n. gen., n. sp., du Danien d'Asselar (Sahara Soudanais). Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22:523-528. June 1950. 410.9 P213
- 49149 BROWN, A. H. Saving earth's oldest living things. Natl. Geog. Mag. 99:679-695. May 1951. 470 N213
- Sequoia gigantea*.
- 49150 BUSTINZA, F. Antibacterial substances from lichens. Endeavour 10:95-99. Ref. Apr. 1951. 472 En2
- 49151 CAMP, W. H. Plants and the future of American civilization. (Sum.) Grain & Feed Rev. 40(9):16,57. May 1951. 280.28 C78
- Plant breeding, reforestation, improved soil use, and fertilizers as a means of meeting future food shortages.
- 49152 CHANEY, R. W. Fossils which truly live. Gard. Club Amer. B. 39(3):12-14. May 1951. 90.32 G16
- Nelumbium* seeds from Pleistocene epoch.
- 49153 CHANEY, R. W. Redwoods of the past. Ed. 18. Berkeley, Save-the-Redwoods League, 1950. 6 p. 99.35 C36
- Sequoia sempervirens*.
- 49154 CIFERRI, R. Botanica generale. Milano, Malfasi, 1950. 170 p. 463 C48
- 49155 CIZIK, B. Important plants for the Negev. (In Hebrew.) Hassadeh 31:299. (Cont.) Mar. 1951. 26 H27
- 49156 CLARK, R. W. Un gran centro de investigaciones botánicas. Cien. e Invest. 7:84-85. Feb. 1951. 475 C482
- Kew Garden.
- 49157 CURTIS, P. J., HEMMING, H. G., and SMITH, W. K. Frequentin: an antibiotic produced by some strains of *Penicillium frequentans* Westling. Nature [London] 167:557-558. Apr. 7, 1951. 472 N21
- 49158 DAVIDSON, H. R. An institute which is "different." Farmer & Stock-Breeder 65(3205):68-69. Mar. 27/28, 1951. 10 F228
- The National Institute of Agricultural Botany in Great Britain.
- 49159 DAVIES, P. A. Botanical history of Jefferson County, Kentucky. Ky. Nat. 5:3-8. Fall 1950. 409.6 K41
- 49160 DOUGLAS, G. Tricks for old and new dogs. Amer. Iris Soc. B. 121:24-31. Apr. 1951. 81 Am39
- Iris photography.
- 49161 DRAWERT, H. Das sulfonamid prontosil löslich als vitalfarbstoff. Protoplasma 39:688-692. Ref. 1950. 442.8 P94
- Experiments with onions.
- 49162 DUIVEN, J. M. Do you know your plants? (In Dutch.) Natura 47:226-228. Dec. 1950. 410 N2192
- 49163 FAIRCHILD TROPICAL GARDEN. Proceedings of the thirteenth annual meeting, February 16, 1951, Coconut Grove, Florida. Coconut Grove, Fla., 1951. 19 p. 451 F16P
- Includes talk by C. O. Erlanson on plant introduction work of the U. S. Dept. of Agriculture.
- 49164 FRITZ, E. The story told by a fallen redwood. Ed. 18. Berkeley, Save-the-Redwoods League, 1950. 7 p. 99.35 F91
- 49165 GIRGIDOV, D. IA. New woody vegetation on Valaam Island [In Lake Ladoga]. (In Russian.) Vsesofuzn. Geog. Obshch. Izv. 82:555-559. Sept./Oct. 1950. 511 L546
- Trees and shrubs.
- 49166 GOODWIN, H., HEINIG, K. H., and JANSSON, K. P. Check list of woody plants growing in the Connecticut Arboretum and guide to the Arboretum. Conn. Arboretum. B. 6:32 p. Dec. 1950. 451 C7622
- 49167 GORBUNOV, M. G. On the age of the Tertiary flora in Kireev Village on the Ob River. (In Russian.) Akad. Nauk SSSR. Dok. 77:101-104. Ref. Mar. 1, 1951. 511 P444A
- Chiefly on *Juglans cinerea* L. fossils Bronn.
- 49168 HANA, K. Spring comes to the land. (In Dutch.) Natura 48:35-37. Mar. 1951. 410 N2192
- Vegetation.
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- 49170 HASEK, M. Tree-remainders in prehistoric settlements in surroundings of Turnov. (A contribution to the paleobotany of Bohemia.) (In Czech.) Masarykovy Akad. Práce. Sborn. 24:193-203. Ref. 1950. 510 P885
- English summary.
- 49171 HOWARTH, W. O., and WARNE, L. G. G. Practical botany. London, U. Tutorial Press, 1950. 159 p. 463.1 H83
- 49172 HOWE, B. Wax flower modelling in 1851. Country Life [London] 109:1287. Apr. 27, 1951. 80 C83
- 49173 JAATINEN, S. Bidrag till kännedom om de aländska sjöarnas strandvegetation [Contribution to the knowledge of the Aland lakes shore vegetation]. Acta Bot. Fenn. 45:354 p. Ref. 1950. 451 H36A
- German summary.
- 49174 JEPSON, W. L. Trees, shrubs and flowers of the redwood region. Ed. 21. Berkeley, Save-the-Redwoods League, 1950. 15 p. 455.82 J46Tr
- 49175 KESSLER, H. Ein fränkisches lehrbuch des obstbaues aus dem jahre 1776. Schweiz. Z. f. Obst- u. Weinbau 60:137-144. Apr. 7, 1951. 80 Sch9
- Johann Mayer's Pomona franconica.
- 49176 KÖIE, M. Relations of vegetation, soil and subsoil in Denmark. Dansk Bot. Arkiv 14(5), 164 p. 1951. 450 D23
- 49177 KRÄUSEL, R. Die paläobotanischen untersuchungs- methoden. Ed. 2. Jena, Fischer, 1950. 98 p. 402.1 K86
- 49178 KRUG, P. The Ardennes camp 1950. (In Dutch.) Natura 47:232-235. Dec. 1950. 410 N2192
- Vegetation.
- 49179 LEY, W. Dragons in amber; further adventures of a romantic naturalist. New York, Viking Press, 1951. 328 p. 409 L59
- Includes Ginkgo, Sequoia and Cycas.
- 49180 LYSENKO, T. D. Something new in science concerning a biological species. (In Russian.) Agrobiologiya 1950(6):15-25. Ref. Nov./Dec. 1950. 20 Ag822
- Includes plants.
- Also in Vsesofuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 15(12):3-13. 1950. 20 Ak1; Sovet. Agron. 9 (1):3-10. Jan. 1951. 20 So84
- 49181 MARTINEZ CROVETTO, R., and PICCININI, B. G. La vegetación de la República Argentina. I. Los palmares de Butia Yatay. Argentina. Dir. Gen. de Invest. Agr. Rev. de Invest. Agr. 4:153-242. Ref. Apr. 1950. 9 R329
- 49182 MERRIAM, J. C. A living link in history. Ed. 16. Berkeley, Save-the-Redwoods League, 1950. 6 p. 99.35 M55
- Sequoia sempervirens*.
- 49183 MURBARGER, N. Unbelievable boojum [Idria columnaris]. Nat. Mag. 44:192. Apr. 1951. 409.6 N214
- 49184 NAVALKAR, B. S. A double-blade method for making good sections. Cur. Sci. 20:71-72. Mar. 1951. 475 Sci23
- 49185 ONO, T. Kiso shokubutsugaku [Fundamentals of botany]. Tokyo, Shokabo, 1950. 326 p. 463 On6
- 49186 OROTAVA. JARDIN DE ACCLIMATACION DE PLANTAS. Index seminum. n.p. 1950. 26 p. 61.5 Sa5
- 49187 OSBORN, T. G. B. The Oxford Botanic Garden. Endeavour 10:70-77. Apr. 1951. 472 En2
- 49188 PAAUW, F. VAN DER. Wisselwerkingen tussen landbouwkundige en plantkundige onderzoekingen [Relation between agricultural and plant science research]. Groningen, Wolters, 1950. 17 p. 463 P112
- 49189 PORTER, T. G. Y. Some Corsican plants. Roy. Hort. Soc. J. 76:85-89. Mar. 1951. 84 L84J
- 49190 RAIZENNE, H. The use of thermosetting plastic for the preservation of leaves in their natural colour. Quebec Soc. Protect. Plants. Rpt. 31:127-129. Dec. 31, 1950. 464.9 Q3
- 49191 ROBBINS, W. W., and WEIER, T. E. Botany, an introduction to plant science. New York, Wiley, 1950. 480 p. 463 R54B
- 49192 ROGER-SMITH, H. Plant hunting in Europe. Bedford, Rush & Warwick, 1950? 80 p. 459 R632
- 49193 SALLES, R. La lutte collective contre les gelées dans le département de l'Hérault. France. Min. de l'Agr. B. Tech. d'Inform. 56:112-118. Jan./Feb. 1951. 14 F844B
- 49194 SANTAPAU, H. A plea for the preservation of wild plants. Bombay Nat. Hist. Soc. J. 49:427-429. Dec. 1950. 513 B63
- 49195 SILBERSTEIN, Z. Mount Carmel. (In Dutch.) Natura 48:41-42. Mar. 1951. 410 N2192
- Vegetation in Israel.
- 49196 SOBOL', S. L. Evolutionary views of D. I. Ivanovskii. (In Russian.) Mikrobiologiya 19:506-515. Ref. Nov./Dec. 1950. 448.3 M582
- Plant evolution chiefly.

49197. TAUSON, V. O. Osnovnye polozheniia rastitel'noi bioenergetiki [Fundamental principles of plant bioenergetics]. Moskva, Akademii Nauk SSSR, 1950. 552 p. 463.3 T19
49198. TIKHOMIROV, B. A. On vegetation of the mammoth period in the North of Siberia. (In Russian.) Priroda 40:33-40. Ref. Jan. 1951. 410 P933
49199. VINES, R. A. A Texas botanist brags. Gard. Club Amer. B. 39(3):62-64. May 1951. 90.32 G16 Vegetation.
49200. WHITTEMORE, M. International Friendship Gardens. Nat. Mag. 44:265-266. May 1951. 409.6 N214
49201. WILLIS, G. M., and HOWES, F. N. Notes on early Kew and the King of Hanover. Kew B. 1950:299-318. Ref. 451 K51B

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

49202. ADAMSON, R. S., and SALTER, T. M., eds. Flora of the Cape Peninsula. Cape Town, Juta, 1950. 889 p. 460.46 Ad1F
49203. CAMP, W. H. Biosystematy. Brittonia 7:113-127. Ref. Jan. 31, 1951. 470 B77
49204. GUILLAUMIN, A. Contribution à la flore de la Nouvelle Calédonie. XCVIII. Plantes récoltées par M. Sarlin. Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22:518-522. (Cont.) June 1950. 410.9 P213
Includes new species in Weinmannia and Chrysophyllum.
49205. HOFFMANN, M. E., and WESTHOFF, V. Flora and vegetation of the Verbrande Pan near Bergen (N. H.). I. (In Dutch.) Levende Nat. 54:45-51. Mar. 1951. 410 L57
49206. HOOGENRAAD, H. R. Biogeography. (In Dutch.) In Mulder G. J. A., ed. Handboek der geografie van Nederland, v. 2, p. 1-129. Zwolle, N. V. de Erven J. J. Tjil, 1951. 278.172 M89
Includes flora.
49207. JONES, G. N. On the number of species of plants. Sci. Mon. 72:289-294, 312. Ref. May 1951. 470 Sci23
49208. MATHON, C. C. Notes pour servir à l'étude phytogéographique du Trentin (Italie). Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22:480-487. June 1950. 410.9 P213
49209. MULDER, G. J. A., ed. Handboek der geografie van Nederland [Handbook of the geography of the Netherlands], v. 2. Zwolle, N. V. de Erven J. J. Tjil, 1951. 430 p. 278.172 M89
Contains chapters on flora and plant ecology.
49210. PITOT, A. Contribution à l'étude de la flore. Inst. Franç. d'Afrique Noire. Mém. 10:31-81. Ref. 1950. 515 D14M
49211. SAEKI, N. Tohoku no shokusei [Plant organisms in the east-south area of Japan]. Tokyo, Nogyo Shoin, 1950. 258 p. 460.15 Sa1
49212. SIMPSON, F. W. Our changing Suffolk countryside and its endemic flora. Suffolk Nat. Soc. Trans. 7: 49-57. 1950. 410.9 Su2
49213. STELFOX, A. W. The beech fern [Dryopteris] and the wall rue [Asplenium ruta-muraria] at about 2,000 feet on Brandon Mountain, in south Kerry; and the old record for Thalictrum alpinum. Irish Nat. J. 10:138-139. Jan. 1951. 410 Ir42
49214. WOODSON, R. E., JR., and SCHERY, R. W. Flora of Panama, Part 5, Fascicle 3. Mo. Bot. Gard. Ann. 38:1-96. Feb. 1951. 451 M69
Includes a new species in Bauhinia.
49215. APPLETON, H. What's that tree? A key to 150 tree species. Washington? D.C., 1950. 24 p. 99.3 Ap5
49216. ARTSCHWAGER, E. The role of the ligule in sugarcane taxonomy. Amer. J. Bot. 38:144-146. Feb. 1951. 450 Am36
49217. AUFRÈRE, G. Station nouvelle d'Ampelodesma mauritanica, Dur. et Schinz. Ampelodesmos tenax, Link. (Graminées). Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22: 106-407. May 1950. 410.9 P213
49218. BEETLE, A. A. Cheatgrass brome (Bromus tectorum) on Wyoming rangeland. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:54. Oct. 1950. 500 C717
49219. BLAKELOCK, R. A. The Rustam Herbarium, Iraq. IV. Kew B. 1950:441-460. 451 K51B
Includes new species in Euphorbia.
49220. BOOM, B. K., and RUYS, J. D. Flora der gekweekte, kruidachtige gewassen [Flora of cultivated herbaceous plants]. Wageningen, Veenman, 1950. 450 p. (Flora der Cultuurgewassen van Nederland. 3) 459.4 B64F
49221. BOR, N. L. A new genus of Indian grasses. Kew B. 1950:385-388. 451 K51B
Hubbardia.
49222. BOR, N. L. Stipa hookeri Stapf. Kew B. 1950:319-320. 451 K51B
49223. BURTT, B. L. Two new species of Colchicum. Kew B. 1950:431-434. 451 K51B
49224. CORRELL, D. S. Native orchids of North America, north of Mexico. Waltham, Mass., Chronica Botanica, 1950. 399 p. (New Ser. Plant Sci. Books v. 26) 452.3 C814
49225. DWYER, J. D. The Central American, West Indian, and South American species of Copaifera (Caesalpiniaceae). Brittonia 7:143-172. Jan. 31, 1951. 470 B77
49226. EPLING, C. Supplementary notes on American Labiatae—V. Brittonia 7:129-142. Jan. 31, 1951. 470 B77
49227. EXELL, A. W. A new species of Brieya from Angola. Kew B. 1950:418. 451 K51B
B. latipetala.
49228. FREYTAG, G. F. A revision of the genus Guazuma. Ceiba 1:193-225. Apr. 18, 1951. 475 C32
49229. GAGNEPAIN, F. Orchidacées nouvelles d'Indochine. Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22: 502-509. (Cont.) June 1950. 410.9 P213
New species in Collabium, Eria, Nephelaphyllum, Trichosma, Coelogyne, Pholidota, and Calanthe.
49230. GANGOLLY, S. R., and SINGH, D. Distribution of the mango (Mangifera indica L.) and its varieties. Indian J. Hort. 7(3/4):7-16. Sept./Dec. 1950. 80 In2
49231. GARJEANNE, A. J. M. Galinsoga [parviflora]. (In Dutch.) Levende Nat. 54:7-14. Jan. 1951. 410 L57
49232. GREEN, C. H. Wild plums are real Americans. Nat. Mag. 44:205-207, 219. Apr. 1951. 409.6 N214
49233. HARRINGTON, H. D. Flora of Colorado. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:52-53. Oct. 1950. 500 C717
49234. HAWKES, A. D. Studies in Antillean botany—3. A preliminary check-list of Cuban orchids. Brittonia 7:173-183. Jan. 31, 1951. 470 B77
49235. HAWKES, A. D. Studies in Florida botany. 3-5. Lloydia 13:259-276. Dec. 1950. 442.8 L77
3, The orchids of Florida; 4, The genus Campylocentrum in Florida; 5, The genus Spiranthes in Florida.
49236. HEGI, G. Alpenflora; die verbreitetsten alpenpflanzen von Bayern, Österreich und der Schweiz. Ed. 9 rev. by H. Merxmüller. München, Hanser, 1950. 93 p. 459 H363
49237. ISELY, D. Desmodium: section Podocarpium Benth. Brittonia 7:185-224. Jan. 31, 1951. 470 B77
49238. JOHNSTON, I. M. Studies in the Boraginaceae, XX. Representatives of three subfamilies in eastern Asia. Arnold Arboretum. J. 32:99-122. Apr. 1951. 451 Ar6J
Includes new species in Ehretia and Heliotropium.
49239. KEARNEY, T. H. The genus Malacothamnus, Greene (Malvaceae). L. West. Bot. 6:113-140. Ref. Apr. 20, 1951. 450 L47
49240. KHATTAK, G. M. Ephedra in Baluchistan. Pakistan J. Forestry 1:37-40. Jan. 1951. 99.8 P17
49241. KOBUSKI, C. E. Studies in the Theaceae, XXI-XXII. Arnold Arboretum. J. 32:123-138, 152-154. Apr. 1951. 451 Ar6J
XXI, The species of Theaceae indigenous to the United States; XXII, Some new species of Theaceae in South America.
New species in Freziera and Ternstroemia.
49242. LEWIS, P., and SUMMERHAYES, V. S. Pithocarpa Lindl. Kew B. 1950:435-440. 451 K51B
49243. MCCLINTOCK, D. Wild gentians of Britain. Country Life [London] 109:698-699. Mar. 9, 1951. 80 C83
49244. MCMINN, H. E. An illustrated manual of California shrubs. Berkeley, U. Calif. Press, 1951. 663 p. 455.82 M22
Includes Index to names of species and varieties of California shrubs. by D. Dewey.
49245. MERRILL, E. D. Notes on Elaeocarpus Linnaeus. Arnold Arboretum. J. 32:157-200. Apr. 1951. 451 Ar6J
49246. MOLINA R., A. Nuevas especies de plantas de la Republica de Honduras. Ceiba 1:255-263. Apr. 18, 1951. 475 C32
New spp. in: Cassia, Mimosa, Zornia, Maytenus, Croton, Eugenia, and Rondeletia.
49247. RITCHIE, D. Cold-region plants. Science 113:531. May 4, 1951. 470 Sci2
Abies and Larix.
49248. ROGERS, M. A first book of tree identification. New York, Random House, 1951. 95 p. 99.3 R63
49249. SCHMEIL, O., and FITSCHEN, J. Flora von Deutschland; ein hilfsmittel zum bestimmen der in Deutschland wildwachsenden und häufig angebauten pflanzen. Ed. 60. Heidelberg, Quelle & Meyer, 1950. 449 p. 459.3 Sch4

Spermatophytes

49215. APPLETON, H. What's that tree? A key to 150 tree species. Washington? D.C., 1950. 24 p. 99.3 Ap5
49216. ARTSCHWAGER, E. The role of the ligule in sugarcane taxonomy. Amer. J. Bot. 38:144-146. Feb. 1951. 450 Am36
49217. AUFRÈRE, G. Station nouvelle d'Ampelodesma mauritanica, Dur. et Schinz. Ampelodesmos tenax, Link. (Graminées). Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22: 106-407. May 1950. 410.9 P213
49218. BEETLE, A. A. Cheatgrass brome (Bromus tectorum) on Wyoming rangeland. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:54. Oct. 1950. 500 C717
49219. BLAKELOCK, R. A. The Rustam Herbarium, Iraq. IV. Kew B. 1950:441-460. 451 K51B
Includes new species in Euphorbia.
49220. BOOM, B. K., and RUYS, J. D. Flora der gekweekte, kruidachtige gewassen [Flora of cultivated herbaceous plants]. Wageningen, Veenman, 1950. 450 p. (Flora der Cultuurgewassen van Nederland. 3) 459.4 B64F

49250 SHERFF, E. E. Miscellaneous notes on new or otherwise noteworthy dicotyledonous plants. Amer. J. Bot. 38:54-73. Jan.1951. 450 Am36

Includes new species in Labordia, Lipochaeta, Bidens, and Dahlia.

49251 SHUBERT, M. L. Some problems of aspen distribution in South Park. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:53. Oct.1950. 500 C717

Colorado.

49252 SIMMONDS, N. W. The Araceae of Trinidad and Tobago, B.W.I. Kew B. 1950:391-406. 451 K51B

Includes new species in Monstera and Philodendron.

49253 SMITH, E. C. Causes of uncertainty in the genus Salix. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:52. Oct. 1950. 500 C717

49254 SMITH, L. B. A new Tillandsia [T. cryptopoda] from Honduras. Ceiba 1:229-231. Apr.18,1951. 475 C32

49255 STANDLEY, P. C., and WILLIAMS, L. O. Plantae centrali-americanae, II. Ceiba 1:231-255.

Apr.18,1951. 475 C32

New spp. in: Philodendron, Costus, Calathea, Leochilus, Ficus, Mollinedia, Ocotea, Rubus, Mimosa, Guarea, Acalypha, Meliosma, Mortoniodendron, Clusia, Xylosma, Matelea, Solanum, Besleria, Palicourea, Psychotria, Valeriana, and Eupatorium.

49256 STEARN, W. T. A note on Paradisea, Diurandthera and Notholirion. Kew B. 1950:419-422. 451 K51B

49257 SVENTENIUS, E. R. S. Specilegium canariense. II. Spain. Inst. Nac. de Invest. Agron. B. 10:299-304. Dec.1950. 105.6 Sp14

Includes Aeonium rubrolineatum n. sp.

49258 TROPICAL African plants: XXI-XXII. Kew B. 1950:335-384,389. 451 K51B

Contributions by R. B. Drummond, R. D. Meikle.

J. P. M. Brenan, E. Milne-Redhead, J. B. Gillett, R. W. J. Keay, B. Verdcourt, J. E. Dandy, E. A. Bruce, P. R. O. Bally, and W. B. Turrill.

Includes new species in: Rinorea, Carpolobia, Hugonia, Dasylepis, Brazzeia, Eriosema, Ceropegia, Emilia, Exochaenium, and Ranunculus.

49259 WALKER, E. H., and TAWADA, S. A new species of Portulaca [P. okinawensis] from Okinawa. Wash. Acad. Sci. J. 41:138-139. Apr.1951. 500 W276J

49260 WALLIS, O. L. Yosemite's earth-stars [Astraeus hygrometricus]. Yosemite Nat. Notes 30:40. Apr.1951. 409.6 Y8

49261 WEBER, W. A. A new species and subgenus of Atriplex from southwestern Colorado. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:52. Oct.1950. 500 C717

49262 WHITE, C. T. Some noteworthy Myrtaceae from the Moluccas, New Guinea, and the Solomon Islands. Arnold Arboretum. J. 32:139-149. Apr.1951. 451 Ar6J

Includes new species in: Eucalyptopsis, Eugenia, Mearnsia, Metrosideros, Octamyrtus, Rhodamnia, and Rhodomyrtus.

49263 WIGGINS, I. L. An additional specimen of Pinus pieperi Dorf from Ventura County, California. Amer. J. Bot. 38:211-213. Mar.1951. 450 Am36

49264 WILLIAMS, L. O. Two new species of Pleurothallis from Haiti. Ceiba 1:227-229. Apr.18,1951. 475 C32

Pteridophytes

49265 HARRINGTON, H. D., and DURRELL, L. W. Colorado ferns and fern allies: Pteridophyta. Fort Collins, Colorado Agr. Res. Found. Colorado Agr. & Mech. Col., 1950. 96 p. 461.2 H23

49266 PRAEGER, R. L. Two puzzling horsetails. Irish Nat. J. 10:119-122. Jan.1951. 410 Ir42

Equisetum spp.

Bryophytes

49267 ABRAMOVA, A. L., and ABRAMOV, I. I. New mosses for the Caucasian flora. (In Russian.) Bot. Zhur. 35:514-516. Sept./Oct.1950. 451 R929

49268 ALLORGE, V., and ALLORGE, P. Les éléments méditerranéens dans la bryoflore du Pays Basque. Rev. Bryologique et Lichénologique (n.s.)19:229-233. 1950. 450 R325

49269 ALLORGE, V. A propos du Barbilophosia barbata (Schmid) Lske au Portugal. Rev. Bryologique et Lichénologique (n.s.)19:238. 1950. 450 R325

49270 BIZOT, M. Isoetecium viviparum (Neck) Lind. var. scabridum Limpr. Rev. Bryologique et Lichénologique (n.s.)19:221-222. 450 R325

49271 DOIGNON, P. Ecologie et variations de l'Hypnum cupressiforme L. Rev. Bryologique et Lichénologique (n.s.)19:208-220. Ref. 1950. 450 R325

49272 GAMS, H. Voitia Hornschuch, genre nouveau pour les Alpes françaises. Rev. Bryologique et Lichénologique(n.s.)19:193-196. Ref. 1950. 450 R325

49273 GAUME, R. Considérations générales sur la flore bryologique de Bretagne d'après les travaux du Docteur F. Camus. Rev. Bryologique et Lichénologique (n.s.)19:161-168. 1950. 450 R325

49274 JOVET-AST, S. Quelques remarques sur Marchesinia mackayi Gray. Rev. Bryologique et Lichénologique (n.s.)19:237-238. 1950. 450 R325

49275 KOCH, L. F., and CRUM, H. A. Mosses of Baja California. Rev. Bryologique et Lichénologique (n.s.)19:188-192. 1950. 450 R325

49276 KUCYNIK, J. Muscinées de la région du lac Mistassini, Québec, Canada. Rev. Bryologique et Lichénologique (n.s.)19:169-187. Ref. 1950. 450 R325

49277 MARTIN, W. The Bryophytes of Stewart Island. II. Roy. Soc. New Zeal. Trans. & Proc. 78:485-501. Nov.1950. 514 W46

49278 PARRIAT, H. La végétation muscinale de la Camargue. Rev. Bryologique et Lichénologique (n.s.)19:197-205. 1950. 450 R325

49279 PIERROT, R. B. Marchesinia Mackayi (Dum.) Gray en Charente-Maritime. Rev. Bryologique et Lichénologique (n.s.)19:223. 450 R325

49280 POTIER DE LA VARDE, R. Espèces et variétés nouvelles récoltées à Madagascar par M. le Professeur H. Humbert au cours de son 6^e et de son 7^e voyage. Rev. Bryologique et Lichénologique (n.s.)19:145-154. 1950. 450 R325

New species in: Dicranodontium, Holomitrium, Leucoloma, Syrrhopodon, and Pilotrichella.

49281 POTIER DE LA VARDE, R. Notes sur Schlotheimia fornicata Dub. et sur quelques espèces affines des fies austro-africaines. Rev. Bryologique et Lichénologique (n.s.)19:155-160. 1950. 450 R325

49282 TAYLOR, J. Some Irish Bryophyta records. Irish Nat. J. 10:131-133. Jan.1951. 410 Ir42

49283 TOUTON, J. B. Bryum ventricosum Dicks. dans la Mayenne. Rev. Bryologique et Lichénologique (n.s.)19:206-207. 1950. 450 R325

49284 ZEINER, H. M. Mosses. Green Thumb [Denver] 8(5):18-19. May 1951. 80 G82

Algae

49285 ALLEN, G. O. British stoneworts (Charophyta) Arbroath, Buncle. 1950. 52 p. 461.4 AL52

49286 KAMSHILOV, M. M. Quantity of planktonic organisms on surface water of Barents and White Seas. (In Russian.) Akad. Nauk SSSR. Dok. 76:131-132. Jan.1, 1951. 511 P444A

49287 SMITH, G. M. The fresh-water algae of the United States. Ed. 2. New York, McGraw-Hill, 1950. 719 p. (McGraw-Hill P. Bot. Sci.) 461.4 Sm5

49288 SMITH, G. M., ed. Manual of phycology; an introduction to the Algae and their biology. Waltham, Mass., Chronica Botanica, 1951. 375 p. (A New Ser. Plant Sci. Books, v. 27) 461.4 Sm5Ma

49289 THOMPSON, R. H. A new genus and new records of fresh-water Pyrrophyta in the Desmokiatae and Dinophyceae. Lloydia 13:277-299. Ref. Dec.1950. 442.8 L77

Includes new spp. in: Gymnodinium, Woloszynskia n.g., Glenodinium, Sphaerodinium, and Peredinium.

49290 VERDUIN, J. A comparison of phytoplankton data obtained by a mobile sampling method with those obtained from a single station. Amer. J. Bot. 38:5-11. Ref. Jan.1951. 450 Am36

Fungi (Including Lichens)

49291 AINSWORTH, G. C., and BISBY, G. R. A dictionary of the fungi. Ed. 3. Kew, Surrey, Commonwealth Mycological Inst., 1950. 447 p. 462 A16

49292 AMES, L. M. New species of cellulose decomposing fungi. III. Mycologia 43:29-33. Jan./Feb.1951. 450 M99

Two new species in Ascotricha.

49293 BAKSHI, B. K. Studies on four species of Ceratocystis, with a discussion of fungi causing sap-stain in Britain. Commonwealth Mycol. Inst. Mycol. Papers 35:16 p. Apr.10,1951. 451 Im73M

49294 BONAR, L. Two new fungi on Torreya. Mycologia 43:62-66. Jan./Feb.1951. 450 M99

Caeoma torreyae and Clasterosporium obclavatum.

49295 BOULY DE LESDAIN. Parmelia trichotera Hue var. claudelii (Harmand) Du Rietz et nov. var. plumbii B. de Lesd. Rev. Bryologique et Lichénologique (n.s.)19:234-236. 1950. 450 R325

49296 CANTER, H. M. Fungal parasites of the phytoplankton. II. (Studies on British Chytrids. XII). Ann. Bot. (n.s.)15:129-156. Ref. Apr.1951. 450 An7

Includes new species in Rhizopodium.

- 49297 COKER, W. C., and BEERS, A. H. The stipitate Hydnum of the eastern United States. Chapel Hill, U. North Carolina Press, 1951. 211 p. 462.17 C66S
- 49298 COOK, M. T. Species of Synchytrium in Louisiana. VI. Two new species on Impatiens and Smilax. Mycologia 43:103-107. Jan./Feb. 1951. 450 M99
- 49299 CUMMINS, G. B. Uredinales of continental China collected by S. Y. Cheo. II. Mycologia 43:78-98. Jan./Feb. 1951. 450 M99
- Includes new species in: Uromyces, Puccinia, Caeoma, Aecidium, and Uredo
- 49300 DENNIS, R. W. G. An earlier name for Omphalia flavida Maubl. and Rangel. Kew B. 1950:434. 451 K51B
- Mycena citricolor.
- 49301 DENNIS, R. W. G. Lentinus in Trinidad B.W.I. Kew B. 1950:321-333. 451 K51B
- 49302 ERIKSSON, J. Peniophora Cke sect. Coloratae Bourd. & Galz. A taxonomical study with special reference to the Swedish species. Symb. Bot. Upsal. 10(5), 76 p. Ref. 1950. 451 Up72
- 49303 GROVES, J. W. Dermatea vs. Dermea. Mycologia 43:114. Jan./Feb. 1951. 450 M99
- 49304 GYLLENBERG, H. Studies on thermophilic bacteria of the genus Bacillus Cohn. Suomen Maataloustiet. Seura. Julkaisu. 73,90 p. Ref. 1951. 20 Su7
- Thesis. University of Helsinki.
- 49305 JACKSON, H. S., and DEARDEN, E. R. Studies of North American Thelephoraceae. I. Some new western species of Peniophora. Mycologia 43:54-61. Jan./Feb. 1951. 450 M99
- 49306 JOHNSON, T. W., JR. A new Mindeniella from submerged, rosaceous fruits. Amer. J. Bot. 38:74-78. Jan. 1951. 450 Am36
- 49307 LEK, H. A. A. VAN DER. Various locations for fungi. (In Dutch.) Levende Nat. 54:21-29. Feb. 1951. 410 L57
- 49308 MARTIN, G. W. The genus Seisimosarca Cooke. Mycologia 43:112-113. Jan./Feb. 1951. 450 M99
- 49309 PADY, S. M. Fungi isolated from arctic air in 1947. Canad. J. Bot. 29:46-56. Ref. Feb. 1951. 470 C16C
- 49310 PETCH, T., and BISBY, G. R. The fungi of Ceylon. Colombo, Ceylon Govt. Press, 1950. 111 p. (Peradeniya Manual, No. 6) 462.16 P44
- 49311 RAYLLO, A. I. Griby roda Fuzarium [Fungi of the genus Fusarium]. Moskva, Gos. Izd-vo Selkhoz. Lit-ry. 1950. 415 p. 462.07 R13
- 49312 RAMAKRISHNAN, T. S., and RAMAKRISHNAN, K. Additions to fungi of Madras—IX. Indian Acad. Sci. Proc. Sect. B 32:205-214. Nov. 1950. 513 In25B
- Includes new species in: Mycosphaerella, Phaeophacellum, Catacaumella, Plowrightia, Uleodothis, Kellermannia, and Cercospora.
- 49313 RAMSBOTTOM, J., and BALFOUR-BROWNE, F. L. List of discomycetes recorded from the British Isles. Brit. Mycol. Soc. Trans. 34:38-41. Mar. 1951. 451 B76
- 49314 ROGERS, D. P. Trechispora and pellicularia. Mycologia 43:111. Jan./Feb. 1951. 450 M99
- 49315 SAVILE, D. B. O. Peronospora stigmaticola in Canada. Mycologia 43:113-114. Jan./Feb. 1951. 450 M99
- 49316 SINGER, R. Supplementary notes on the genera Campanella and Favolaschia. Lloydia 13:249-258. Dec. 1950. 442.8 L77
- 49317 STARKOFF, O., and STARKOFF, I. Carob-agar: a new medium for the culture of fungi. (In Italian.) Riv. di Parassitol. 11:261-267. Ref. Dec. 1950. 436.8 R52
- 49318 VANTERPOOL, T. C., and MACRAE, R. Notes on the Canadian tuckahoe, its occurrence in Canada and the interfertility of its perfect stage, Polyporus tuberaster Jacq. ex Fries. Canad. J. Bot. 29:147-157. Apr. 1951. 470 C16C
- 49319 WEHMEYER, L. E. Studies in the genus Pleospora. III. Mycologia 43:34-53. Ref. Jan./Feb. 1951. 450 M99
- 49324 BLUMER, S. Die bekämpfung der krankheiten und schädlinge im rebbau. Schweiz. Z. f. Obst- u. Weinbau 60:173-181. May 5, 1951. 80 Sch9
- 49325 BORZINI, G., and TOMASELLI, R. Seed treatment and mechanical lesions of wheat. Internatl. Cong. Crop Protect. Abs. Commun. 2:76. 1949. 464.9 In832
- 49326 BOYNTON, D., and others. A report on the cost of spraying survey. N. Y. State Hort. Soc. Proc. 96:76-88. 1951. 81 N484
- J. L. Brann, A. B. Burrell, C. G. Garman, and E. S. Shepardsen, joint authors.
- 49327 BRANN, J. L., JR. Mist concentrates on fruit trees. N. Y. State Hort. Soc. Proc. 96:100-107. 1951. 81 N484
- 49328 BRAUN, A. J. Observations on the raspberry and strawberry disease situation in western New York during the past six years. N. Y. State Hort. Soc. Proc. 96:193-195. 1951. 81 N484
- 49329 BUCHANAN, T. S., HARVEY, G. M., and WELCH, D. S. Pole blight of western white pine: a numerical evaluation of the symptoms. Phytopathology 41:199-208. Ref. Mar. 1951. 464.8 P56
- 49330 BULLOCK, C. K. Deer control in New York State. N. Y. State Hort. Soc. Proc. 96:216-219. 1951. 81 N484
- 49331 BURRELL, A. B. Summary of where we stand on concentrate spraying. N. Y. State Hort. Soc. Proc. 96:112-117. 1951. 81 N484
- 49332 CARRIER, L. E. Freezing studies of outdoor roses. Amer. Rose Annu. 36:191-193. 1951. 81 Am31A
- 49333 CARTER, J. F., and AHLGREN, H. L. Forage yields and disease development of two varieties of smooth bromegrass, Bromus inermis Leyss., grown under various conditions in the field. Agron. J. 43:166-171. Ref. Apr. 1951. 4 Am34P
- 49334 CLARKE, L. M., and CLARKE, J. R. Experiences with semi-concentrate spraying in the Lower Hudson Valley. N. Y. State Hort. Soc. Proc. 96:99-100. 1951. 81 N484
- 49335 CONNERS, I. L. Maladies nouvelles ou d'importance notable au Canada en 1947. (Sum.) Quebec Soc. Protect. Plants. Rpt. 31:17-18. Dec. 31, 1950. 464.9 Q3
- 49336 COULOMBE, L. J. Recherches sur le flétrissement des plantes. Quebec Soc. Protect. Plants. Rpt. 31:75-81. Ref. Dec. 31, 1950. 464.9 Q3
- 49337 DALE, J. Rabbits control—driving into cage-traps. Farming News & No. Brit. Agr. 103(11):10,11. Mar. 16, 1951. 10 N82
- 49338 DOYLE, A., and others. Etude sur les pulvérisations des pommes de terre 1947. Quebec Soc. Protect. Plants. Rpt. 31:18-30. Dec. 31, 1950. 464.9 Q3
- H. Genereux, E. Campagna, G. Gauthier, and J. Duncan, joint authors.
- 49339 DOYLE, A., and others. Etude sur les pulvérisations des pommes de terre 1948. Quebec Soc. Protect. Plants. Rpt. 31:87-103. Dec. 31, 1950. 464.9 Q3
- H. Genereux, G. Gauthier, and J. Duncan, joint authors.
- 49340 DREYER, A. F., and SAMSON, R. W. Survey shows tomato packers find spraying profitable. Food Packer 35(5):55. May 1951. 286.83 C165
- 49341 DUQUE, J. P. La podredumbre negra de la raíz del cafeto. Café de El Salvador 21(230):31-37. (To be cont.) Jan. 1951. 68.28 C112
- 49342 DUSTAN, G. G., and CHAMBERLAIN, G. C. Current research on fungicides and insecticides. Canad. Grower 74(4):10-12. Apr. 23, 1951. 80 C16
- 49343 EKSTRAND, H. Injuries to the winter crops during the winter 1949-50. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1950:57-62. Oct. 1950. 464.9 Sw3V
- Chiefly diseases.
- 49344 EKSTRAND, H. Overwintering fungi and winter injuries to grain and meadows in Norway. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1950:87-91. Dec. 1950. 464.9 Sw3V
- 49345 FAES, H., STAEHELIN, M., and BOVEY, P. La défense des plantes cultivées. Ed. 3, rev. and enl. Lausanne, Payot, 1950. 655 p. 464 F12E
- 49346 GAUMANN, E., and PETER-CONTESSE, J. Neuere erfahrungen über die mistel. Schweiz. Z. f. Forstw. 102:108-119. Feb./Mar. 1951. 99.8 J82
- 49347 GENEUREUX, H. Rapport des expériences sur les fongicides et les insecticides, Collège Macdonald, 1947. Quebec Soc. Protect. Plants. Rpt. 31:31. Dec. 31, 1950. 464.9 Q3
- 49348 GEORGIA. COASTAL PLAIN EXPERIMENT STATION. Spraying and dusting tomatoes for disease and insect control. Ga. Coastal Plain Expt. Sta. Mimeog. Paper 76,2 p. Apr. 1951. 100 G292M

PATHOLOGY

General

- 49320 ANSELME, C. Rapport de la Station Centrale de Pathologie Végétale de Recherches Agronomiques sur les maladies du lin. Défense Agr. de la Beauce et du Perche 48:165-166. Apr. 14, 1951. 14 D36
- 49321 BEAUMONT, A. Sweet pea diseases. Gard. Chron. [London] 129:132. Apr. 28, 1951. 80 G162
- 49322 BERALDI, A. Malattie delle piante [Diseases of plants]. Ed. 6. Milano, Hoepli, 1950. 478 p. 464 B45
- 49323 BERAN, F. Pflanzenschutz in Österreich. Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahrb. u. Adressb. 1949:186-191. 1950. 19 Au72J

- 49349 GODARD, M., and LEVY, J. F. La lutte contre les gelées au moyen de nuages artificiels dans le bas Languedoc en 1950. France. Min. de l'Agr. B. Tech. d'Inform. 56:86-105. Jan./Feb.1951. 14 F844B
- 49350 GOOSSEN. Alte und neue verfahren zur sperlingsbekämpfung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:635-636. Apr.26,1951. 18 L2346
- 49351 GRAHAM, C., and others. 1951 Maryland spray calendar for apples and peaches. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:10-21. 1950. 81 C91
- T. L. Bissell, L. O. Weaver, and A. F. Vierheller, joint authors.
- 49352 HANSEN, L. Wilting of cucumber. (In Norwegian.) Gartneryrket 41:192-194. Mar.17,1951. 80 G1938
- 49353 HARVEY, N. P. Plant diseases and their control. H. Young Farmer 19:95-96. Mar./Apr.1951. 10 Y8 Potatoes.
- 49354 HELSON, G. A. H. Facts about plant quarantine in New Zealand and overseas. Orchardist New Zeal. 24(2):9,11-13. Mar.5,1951. 80 Or19
- 49355 HENSILL, G. S. Shade tree fungicides and insecticides. Trees 11(3):8,26. Mar./Apr.1951. 99.8 W52
- 49356 HILBORN, M. T. New organic spray for scab and mite control. Amer. Fruit Grower 71(4):22-23. Apr.1951. 80 G85
- Glyoxalidine for apple scab and Paratetranychus pilosus.
- 49357 HIRATSUKA, N. Shokubutsu byorigaku gairon [Outline of phytopathology]. Tokyo, Asakura Shoten, 1950. 182 p. 464.04 H61
- 49358 HORSFALL, J. G., and others. Chemotherapy for controlling plant diseases. Internatl. Cong. Crop Protect. Abs. Commun. 2:15-16. 1949. 464.9 In832
- A. E. Dimond, E. M. Stoddard, and R. A. Chapman, joint authors.
- 49359 INTERNATIONAL CONGRESS OF CROP PROTECTION, 2, LONDON, 1949. Abstracts of Communications. London, 1949. 106 p. 464.9 In832
- 49360 JONES, C. H. "Sudden wilt" may follow wet winter. Grower [London] 35:873,875. Apr.28,1951. 286.83 M34
- Strawberries.
- 49361 LEDEGEN, J. New ways in which to control parasites under glass. II. (In Flemish.) Tuinbouwberichten 14:86-87. June 15,1950. 80 T817
- Chiefly diseases.
- 49362 LEWIS, F. H., and ASQUITH, D. Application of concentrate sprays on fruit trees. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:70-76. 1950. 81 C91
- 49363 LIHNELL, D. Some observations on leaf curling on Cineraria. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1950:49-55. Oct.1950. 464.9 Sw3V
- 49364 MAAN, W. J. Dusting and spraying. (In Dutch.) Groenten en Fruit 6:580-581. Feb.15,1951. 80 G89
- Fruit diseases.
- 49365 MCCOWAN, D. See how they run. Family Herald & Wk. Star 82(12):7. Mar.22,1951. 7 F21
- Field mice in Canada.
- 49366 MAHEUX, G. Rétrospective. Quebec Soc. Protect. Plants. Rpt. 31:14-16. Dec.31,1950. 464.9 Q3
- History of the Society.
- 49367 MAIER-BODE, F. W. Taschenbuch des pflanzenarztes, zum leichteren erkennen pflanzlicher und tierischer schädlinge mit richtlinien für praktisch durchführbare bekämpfungsmassnahmen. Hiltrup b. Münster, Landwirtschaftsverlag, 1950. 170 p. 464.4 M28
- 49368 MATSUMOTO, T. An annotated list of sugarcane diseases in Formosa and remarks on the taxonomy of some of their causal organisms. II. Natl. Taiwan U. Facul. Agr. Mem. 2:1-5. June 1950. 107 T13
- 49369 MAYER, K. Die ergebnisse der prüfung von pflanzenschutzmitteln im jahre 1950. Deut. Landwirt. 2:159-162. Mar.1951. 18 D4822
- 49370 MENIS, Y. The spraying of trained tomato plant. (In Hebrew.) Hassadeh 31:224-226. Feb.1951. 26 H27
- 49371 MICKALITIS, A. B. Thousands of trees weakened by November 1950 storm. Pa. Forests & Waters 3:40. Mar./Apr.1951. 99.8 P38
- 49372 MILLS, W. D. Fruit diseases in 1950. N. Y. State Hort. Soc. Proc. 96:166-178. 1951. 81 N484
- 49373 MORISSET, P. Etude préliminaire sur les mulots dans les vergers. Quebec Soc. Protect. Plants. Rpt. 31:34-35. Dec.31,1950. 464.9 Q3
- 49374 MORRIS, H. E. Simulated hail damage to sugar beets 1948-49. Amer. Soc. Sugar Beet Technol. Proc. 6:302-304. 1950. 66.9 Am35
- 49375 MUSKETT, A. E. The seed-borne pathogens of flax and their control. Internatl. Cong. Crop Protect. Abs. Commun. 2:77-78. 1949. 464.9 In832
- 49376 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Beschadigingen, veroorzaakt door groeistoffen [Injuries caused by growth substances]. Netherlands. Plantenziektenk. Dienst. Vlugsch. 68,6 p. Dec.1950. 464.9 W12V
- 49377 NEWTON, I. Shrub damage, Corvallis, Oregon. Oreg. State Hort. Soc. Proc. 65:75-77. 1950. 81 Or32
- 49378 NILSSON, L. Some plant diseases in Scania 1950. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1950:79-82. Dec.1950. 464.9 Sw3V
- 49379 PETCH, C. E. The pioneers of this society and their contribution. Quebec Soc. Protect. Plants. Rpt. 31:12-13. Dec.31,1950. 464.9 Q3
- 49380 PUSSARD, R. Un mollusque endogé, Cæcillioidea acicula Müller, ravageur méconnu d'Asparagus plumosus Bak. Acad. d'Agr. de France. Compt. Rend. 37:82-84. Jan.24/31,1951. 14 P215Bc
- 49381 QUEBEC (PROVINCE) DEPT. OF AGRICULTURE. Vegetable protection guide. Quebec, 1950. 2 p. 464.4 Q3V
- 49382 QUEBEC SOCIETY FOR THE PROTECTION OF PLANTS. Thirty-first report, 1948-1949. Quebec, 1950. 137 p. 464.9 Q3
- 49383 REGEIMBAL, L. O., MOON, H. H., and HARLEY, C. P. An attempt at controlling Stayman cracking. N. J. State Hort. Soc. Hort. News 32:2367. Mar. 1951. 81 N46
- 49384 REINKING, O. A. Soil in relation to banana and abaca diseases. Soil Sci. Soc. Philippines. J. 3:21-25. Ref. First Q.1951. 56.9 So35
- 49385 RING, D. S. Report on results of concentrate spraying. N. Y. State Hort. Soc. Proc. 96:97-98. 1951. 81 N484
- 49386 ROBERTS, R. M. Chemistry and the arboriculturist. Trees 11(3):6-8. Mar./Apr.1951. 99.8 W52
- 49387 ROSELLA, E. A Carpentras où l'araignée rouge fait des ravages il y a également d'autres maladies et parasites. Prog. Agr. et Vitic. 1951:174-175. Apr.1/8,1951. 14 P94
- Strawberry diseases and pests.
- 49388 RUI, D. Spring spraying of fruit trees. (In Italian.) Terra e Sole 104:144-145. Apr.1951. 16 T273
- 49389 RUI, D. Spring treatment in fruit growing. (In Italian.) Riv. della Ortoflorofrutticoltura. Ital. 35:76-81. Mar./Apr.1951. 86 R22
- 49390 SALZMANN, R. Die wichtigsten krankheiten und schädlinge der kartoffel und ihre bekämpfung. Bern, Verbandsdruckerei, 1950. 104 p. 464.045 Sa3
- 49391 SCHELLENBERG, A. Genossenschaftliche spritzanlagen im Kanton Zürich. Schweiz. Z. f. Obst- u. Weinbau 60:121-127. Mar.24,1951. 80 Sch9
- 49392 SHARMA, S. L. A new disease of sugarcane. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.2):57. 1951. 65.9 C766
- Leafy tuft, cause unknown.
- 49393 SMAY, MRS. F. Enemies of the rose; insects and diseases. Green Thumb [Denver] 8(5):32-33. May 1951. 80 G82
- 49394 SMITH, C. F., and CLAYTON, C. N. Peach spray information. N. C. Agr. Expt. Sta. Spec. C. 12,11 p. Jan.1951. 100 N81Sp
- 49395 SPAIN. DIRECCION GENERAL DE AGRICULTURA. JEFATURA AGRONÓMICA DE VALLADOLID. Cartilla divulgadora de plagas del campo para esta Province, por Antero F. de la Mela Escudero. Valladolid, 1950. 108 p. 464.4 Sp1
- 49396 SPENCER, S. M. Are you letting your trees die? Sat. Evening Post 223(46):42-43,92,96,98-100. May 12,1951. 110 Sa8
- 49397 SWARTENBROECKX, J. M. L. Desinfection des plants et des semences. Annu. Agr. et Hort. (1949/50) 2:200-208. 1950. 13 An7
- 49398 SYLWESTER, E. P., GUNDERSON, H., and SHERF, A. F. Spraying calendar for weeds, crop diseases, and pests. Hoard's Dairyman 96:344-345. Apr.25, 1951. 44.8 H65
- 49399 TANAKA, S. Kaju byochugai bojo-ho [Method of exclusion of damage by insects and disease on fruit trees]. Tokyo, Asakura Shoten, 1950. 242 p. 464.4 T152
- 49400 TAYLOR, C. F. Control of Brooks' spot, "X-rot," sooty blotch and flyspeck on Golden Delicious. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:66. 1950. 81 C91
- 49401 TAYLOR, C. F. Control of Brooks' spot, "X-rot," sooty blotch and flyspeck on Rome Beauty. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:65. 1950. 81 C91

49402 TAYLOR, C. F., and BENNETT, I. G. Infection period of apple diseases as determined by period of coverage with glassine bags. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:67. 1950. 81 C91

49403 TERVET, I. W., and others. A method for the collection of microscopic particles. *Phytopathology* 41:282-285. Mar.1951. 464.8 P56

A. J. Rawson, E. Cherry, and R. B. Saxon, joint authors.

49404 TERVET, I. W., and CASSELL, R. C. The use of cyclone separators in race identification of cereal rusts. *Phytopathology* 41:286-290. Mar.1951. 464.8 P56

49405 TIRRELL, G. E. Progress of low concentrate and mist spray. *Trees* 11(3):12,18-19. Mar./Apr.1951. 99.8 W52

49406 TJERNBERG, E. Cabbage pests and diseases. (In Swedish.) *Weibulls Allehanda* 11:29-32. 1951. 80 W42

49407 UTTAMAN, P. An investigation into the nature of injury sustained by rice plant on account of parasitism by *Striga lutea* (Lour.). *Indian Acad. Sci. Proc. Sect. B* 32:222-226. Nov.1950. 513 In25B

49408 VALSET, T. We must get safer and simpler rules for the sale of plant protection preparations. (In Norwegian.) *Gartneryrket* 40:887-888. Dec.30,1950. 80 G1938

49409 VENKATARAYAN, S. V. Plant sanitation as an aid to plant protection. *Mysore Agr. J.* 26:60-63. Jan. 1951. 22 M993

49410 WAHLIN, B. Plant protection studies in Ireland. (In Swedish.) *Sweden. Stat. Växtskyddsanst. Växtskyddsnot.* 1950:82-87. Dec.1950. 464.9 Sw3V Diseases.

49411 WEAVER, L. O. Apple and peach diseases, Maryland 1950. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:87-90. 1950. 81 C91

49412 WILHELM, S. Diseases of trailing blackberries. *West. Fruit Grower* 5(5):29-31. May 1951. 95.8 G762

49413 WILLIAMS, A. T. Let's consider the merits of concentrate sprays. *East. States Coop.* 27(2):6-8. Feb. 1951. 280.28 Ea7 Fruit.

49414 WINTER damage survey—1950. *Oreg. State Hort. Soc. Proc.* 65:69-74. 1950. 81 Or32 Reported by County agents.

Diseases Caused by Fungi

49415 AHLMARK, A., and TUNBLAD, B. The toxicity of organic mercurial compounds used as seed dressings. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:78-79. 1949. 464.9 In832

49416 AINSWORTH, G. C. A century of medical and veterinary mycology in Britain. *Brit. Mycol. Soc. Trans.* 34:1-16. Ref. Mar.1951. 451 B76

49417 AMPHOUX, M. Organisation méthodique d'un chantier de lutte contre le mildiou. *France. Min. de l'Agr. B. Tech. d'Inform.* 56:118-131. Jan./Feb.1951. 14 F844B

On grapes.

49418 ANDRÉN, F. A few words on inquiries concerning seed treatment and spraying preparations. (In Swedish.) *Sweden. Stat. Växtskyddsanst. Växtskyddsnot.* 1950:62-64. Oct.1950. 464.9 Sw3V

49419 ANDRÉN, F. Spraying experiments against apple scab. (In Swedish.) *Sweden. Stat. Växtskyddsanst. Växtskyddsnot.* 1950:92-94. Dec.1950. 464.9 Sw3V

49420 ANKUDINOV, A. M. Drying up of *Pinus* crops on old plowland. (In Russian.) *Lesn. Khoz.* 3(9):46-49. Sept.1950. 99.8 L5622

Caused by root fungus.

49421 ASHPLANT, H. Plantation research in Ceylon; progress of *Oidium* defence experiments. *India-Rubber J.* 120:625-626. Apr.21,1951. 305.8 In21 Hevea.

49422 ATKINS, J. G., JR. *Helminthosporium victoriae* as a leaf-spotting pathogen on oats in Louisiana. *Phytopathology* 41:300-301. Mar.1951. 464.8 P56

49423 AYTOUN, R. S. C. A method of controlling fungal spores or mycelium during treatment with liquids. *Nature [London]* 167:411-412. Mar.10,1951. 472 N21

49424 BERGSMÄ, J. Control of scab before flowering. (In Dutch.) *Volkstuin* 34:28-29. Mar.1951. 80 V88 Control of scab on apples and pears.

49425 BERNON, G. La lutte collective contre le mildiou dans le Bas-Rhône. *France. Min. de l'Agr. B. Tech. d'Inform.* 56:131-136. Jan./Feb.1951. 14 F844B Grapes.

49426 BLAIR, I. D. Seed wheat studies with reference to efficient fungicidal dust coverage. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:74-75. 1949. 464.9 In832

49427 BOCKSTAHLER, H. W., HOGABOAM, G. J., and SCHNEIDER, C. L. Further studies on the inheritance of black root resistance in sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:104-107. 1950. 66.9 Am35

49428 BONGINI, V. Canker of the kaki caused by *Phomopsis diospyri* n. sp. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:273-281. 1951. 16 An76

English summary.

49429 BOOER, J. R. Some problems of cereal seed disinfection. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:74. 1949. 464.9 In832

49430 BORZINI. Laboratory tests of fungicidal and/or fungistatic activity of mercury compounds. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:23-24. 1949. 464.9 In832

49431 BOYD, A. E. W. Susceptibility of *Solanum curtilobum* to *Spongopora subterranea* (Wallr.) Johnson. *Nature [London]* 167:412. Mar.10,1951. 472 N21

49432 BRASFIELD, T. W., and TATE, H. D. Phygon seed protectant for sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:72-75. 1950. 66.9 Am35

49433 BRUEHL, G. W. *Rhizoctonia solani* in relation to cereal crown and root rots. *Phytopathology* 41:375-377. Apr.1951. 464.8 P56

49434 BURKE, D. W., and STARR, G. H. Studies on bean root rot in northern Wyoming. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:58-59. Oct.1950. 500 C717

49435 CHILDS, J. F. L. Rio Grande gummosis, its occurrence in Florida citrus. *Citrus Mag.* 13(8):18-20, 27. Apr.1951. 80 C498

49436 CHIU, Y. A study of some isolates of *Fusarium* from cereal crops. *Nebr. U. Abs. Doct. Diss.* 1950:19-27. Ref. 241.8 N28

49437 CHONA, B. L. Sources and modes of red rot [*Colletotrichum falcatum*] infection. (Abs.) *Conf. Sugar-cane Res. Workers Indian Union. Proc.* 1(1,sect.1):39. 1951. 65.9 C766

49438 CIFERRI, R. The fungicides experimental centre of Pavia, Italy. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:23. 1949. 464.9 In832

49439 CLAYTON, C. N., and FULKERSON, J. F. Apple fungicidal spray experiment - 1950. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:55-56. 1950. 81 C91

49440 COHEN, S. I. Puritized agricultural spray. *Trees* 11(3):6. Mar./Apr.1951. 99.8 W52

49441 COOLEY, J. S. Control of white root rot [*Corticium galactinum*] with chloropicrin in a border of ornamental plants. *Phytopathology* 41:379-380. Apr. 1951. 464.8 P56

49442 COONS, G. H., and others. Report on 1949 tests of U.S. 216 x 225 and other varieties from Sugar Beet Leaf Spot Resistance Breeding Investigations of the U. S. Department of Agriculture. *Amer. Soc. Sugar Beet Technol. Proc.* 6:209-217. 1950. 66.9 Am35

D. Stewart, H. W. Bockstahler, G. W. Deming, J. O. Gaskill, J. G. Lill, and C. L. Schneider, joint authors.

49443 COOPER, W. E. Peanut seed treatment. *N. C. Agr. Expt. Sta. Spec. C.* 14.8 p. Apr.1951. 100 N81Sp

49444 CORMACK, M. W. Variation in the cultural characteristics and pathogenicity of *Fusarium avenaceum* and *F. arthrosporioides*. *Canad. J. Bot.* 29:32-45. Ref. Feb.1951. 470 C16C

49445 COTTA, A. More on chestnut blight. I. (In Italian.) *Cron. Econ.* 97:30-32. Jan.1951. 280.8 C882 *Endothia parasitica*.

49446 CUEVAS, C. El control del pellejillo del café [*Pellicularia kolerogii*]. *Café de Nicaragua* 7(75/76):64-66. Feb./Mar.1951. 68.28 C114

49447 CUEVAS, C. El mal del talluelo del café (damping off). *Café de Nicaragua* 7(75/76):62-63. Feb./Mar.1951. 68.28 C114

49448 DARPOUX, H., and FAIVRE-AMIOT, A. Action curative de quelques substances antibiotiques et d'un produit organo-mercure sur la tavelure du pommier. *Acad. d'Agr. de France. Compt. Rend.* 37: 136-139. Feb.7/14,1951. 14 P215Bc

49449 DEBERTI, M. J. Controlling blister rust [*Cronartium ribicola*] in Pennsylvania. *Pa. Forests & Waters* 3:41,46. Mar./Apr.1951. 99.8 P38

49450 DE JONG, P. The use of seed dressings in the control of fungus diseases of tea seed. *Planters' Chron.* 46(4):91-92. Feb.15,1951. 22 P693

49451 DELITALA, A. Apical withering of the peach branches due to *Cytospora*. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:433-440. 1951. 16 An76

English summary.

Cytospora leucostoma.

- 49452 DENECKER, A. Peut-on combattre la fusarose du melon par greffage? Annu. Agr. et Hort. (1949/50)2: 129-133. 1950. 13 An7
- 49453 DOXTATOR, C. W., and others. 1948-1949 progress in breeding sugar beets for resistance to *Aphanomyces* root rot. Amer. Soc. Sugar Beet Technol. Proc. 6:111-115. 1950. 66.9 Am35
- A. R. Downie, J. F. Swink, D. Ogden, R. L. Bowman, and J. C. Tanner, joint authors.
- 49454 DUNEGAN, J. C., HEUBERGER, J. W., and POULOS, P. L. A striking case of apple defoliation due to the black rot fungus (*Physalospora obtusa*). Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:78. 1950. 81 C91
- 49455 ELIO, B. Fungicidal action of phosphoric esters (parathion). Internatl. Cong. Crop Protect. Abs. Commun. 2:49. 1949. 464.9 In832
- 49456 ELLIS, D. E., and COX, R. S. Control stem anthracnose of lima beans. N. C. Agr. Expt. Sta. Spec. C. 11,10 p. Dec.1950. 100 N81Sp
- 49457 ELLIS, D. E., and COX, R. S. The etiology and control of lettuce damping-off. N. C. Agr. Expt. Sta. Tech. B. 94,33 p. Ref. Feb.1951. 100 N81
- 49458 EPPS, W. M., PATTERSON, J. C., and FREEMAN, I. E. Physiology and parasitism of *Sclerotium rolfsii*. Phytopathology 41:245-256. Ref. Mar.1951. 464.8 P56
- 49459 FINDLAY, W. P. K. A note on the fungi of less common occurrence in houses. Brit. Mycol. Soc. Trans. 34:35-37. Mar.1951. 451 B76
- 49460 FISCHER, G. W. Some new grass smut records from the Western States. II. Mycologia 43:67-77. Jan./Feb.1951. 450 M99
- 49461 FLIPSE, L. P. How can the fruit grower profit from the Scab Information Service? (In Dutch.) Fruitteelt 41:210-211. Mar.22,1951. 86 N28
- 49462 FRASELLE, J. V. Experimental evidence of the pathogenicity of *Fusarium oxysporum* Schl. f. to the oil palm (*Elaeis guineensis* J.) Nature [London] 167:447. Mar.17,1951. 472 N21
- 49463 FRENCH, D. W. Wilt threatens Minnesota oaks. Minn. Farm & Home Sci. [Minn. Sta.] 8(2):12. Feb.1951. 100 M668
- Caused by *Chalara quercina*.
- 49464 GARBER, R. H., SCHAAL, L. A., and FULTS, J. L. Selectivity of pentachlorophenoxy acetic acid against *Streptomyces scabies* (Thaxt.) Waksman and Henrici. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:61. Oct.1950. 500 C717
- 49465 GERDEMANN, J. W., and FINLEY, A. M. The pathogenicity of races 1 and 2 of *Fusarium oxysporum* f. *lycopersici*. Phytopathology 41:238-244. Mar.1951. 464.8 P56
- 49466 GIRGIDOV, D. IA. Disease of *Pseudotsuga taxifolia*. (In Russian.) Lesn. Khoz. 3(9):86. Sept.1950. 99.8 L5622
- Caused by *Adelopus gaumanni*.
- 49467 GOLDSWORTHY, M. C., DUNEGAN, J. C., and WILSON, R. A. Control of apple scab and reduction of spray injury through the use of eradicator fungicides. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:79-86. 1950. 81 C91
- 49468 GRASSO, V. The resistance of durum wheats to bunt (*Tilletia* spp.). (In Italian.) Ann. della Sper. Agr. (n.s.)5:411-418. Ref. 1951. 16 An76
- 49469 GREEN, D. E. Rose canker (*Coniothyrium* spp.) Natl. Rose Soc. Res. Annu. 1951:81-84. 84 N21
- 49470 HAMILTON, J. M. Dinitro sprays and apple scab control. Farm Res. [N. Y. State Sta.] 17(2):6. Apr. 1951. 100 N48A
- 49471 HAMILTON, J. M. Spray concentrates compared with standard concentrations for the control of apple scab and cherry leaf spot in 1950. N. Y. State Hort. Soc. Proc. 96:158-165. 1951. 81 N484
- 49472 HERVEY, R. J., FISHER, F. L., and JOHNSTON, J. R. Cotton root rot and land use studies at the Blackland Experiment Station. Tex. Agr. Expt. Sta. Prog. Rpt. 1364,4 p. Apr.21,1951. 100 T31P
- 49473 HILDEBRAND, A. A., MCKEEN, W. E., and KOCH, L. W. Continued greenhouse experiments in row treatment of soil for control of blackroot [*Aphanomyces cochlioides*] of sugar beet seedlings. Amer. Soc. Sugar Beet Technol. Proc. 6:509-514. 1950. 66.9 Am35
- 49474 HILDEBRAND, A. A., and MCKEEN, W. E. Field results in 1949 following row treatment of soil with tetramethyl thiuram disulphide for control of blackroot [*Aphanomyces cochlioides*] of sugar beet seedlings. Amer. Soc. Sugar Beet Technol. Proc. 6:515-518. 1950. 66.9 Am35
- 49475 HUSSAIN, S. M. Control of heart-rot fungi. J. Forestry 49:363. May 1951. 99.8 F768
- With note by G. H. Hepting.
- 49476 HUSSAIN, S. M. Dry-rot in building timber. Pakistan J. Forestry 1:51-54. Ref. Jan.1951. 99.8 P17
- 49477 IBBERSON, J. E. The chestnut story. Pa. Forests & Waters 3:32-37. Mar./Apr.1951. 99.8 P38
- Endothia parasitica*.
- 49478 IUGANOVA, O. N. Effect of methods of storing and preparation of coppernaphthenate on its capacity to be washed off, discoloration and toxicity. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(1):34-38. 1951. 20 Ak1
- 49479 IUGANOVA, O. N., and SUSHITSKIY, L. A. Use of copper naphthenate for the control of stone fruit diseases. (In Russian.) Sad i Ogorod 1950(12):30-33. Dec. 1950. 80 Sa13
- Spraying trees against *Monilia* chiefly.
- 49480 IVANOVSKIY, D. I. On two diseases of tobacco. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 1950(6): 30-41. Nov./Dec.1950. 511 Sa2B
- Oidium tabaci* and mosaic disease.
- 49481 JOHNSON, T., and GREEN, G. J. The varieties of stem rust, *Puccinia graminis* Pers., occurring on barberry in eastern Canada. Canad. J. Bot. 29:1-9. Ref. Feb.1951. 470 C16C
- 49482 KLETT. Gute obstprieze durch schorfspritzungen. Württemb. Wchnbl. f. Landwirt. 118:261. Mar.31, 1951. 18 W96
- 49483 KOO, K. S., and AUSEMUS, E. R. Inheritance of reaction to stem rust in crosses of Timstein with Thatcher, Newthatch, and Mida. Agron. J. 43:194-201. Ref. Apr.1951. 4 Am34P
- Wheat.
- 49484 KRAEMER, G. E. Forstpathologische untersuchungen des jahres 1950. II. Krebserkrankungen [Phomopsis sp.] an Douglasien (vorläufige mitteilung). Allg. Forstz. 6:189-191. Apr.25,1951. 99.8 AL52
- 49485 KULIK, S. A. Formation of species in *Fusarium* under artificial conditions. (In Russian.) Agrobiologia 1950(6):28-36. Nov./Dec.1950. 20 Ag822
- 49486 LAMB, J., and others. Studies in blister blight control. I-V. Ceylon. Tea Res. Inst. Tea Q. 21(2/3):12-36. June/Sept.1950. 68.18 C33
- I, The programme of research, by J. Lamb; II, Preliminary results of tests with fungicides, by G. A. Loos; III, A warning regarding the possible dangers attendant on the continued adoption of pruning into the dry weather as an agricultural control measure, by G. B. Portsmouth; IV, Mechanical dusting against blister blight—section 1., by H. Dike; V, Mechanical dusting against blister blight—section 2., by H. Dike.
- 49487 LANE, G. H. Studies of potato seed-piece rot. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:57. Oct.1950. 500 C717
- From soil-borne fungi.
- 49488 LAWLOR, N., JR., and DOXTATOR, C. W. Breeding for resistance to root rot caused by *Sclerotium rolfsii*. Amer. Soc. Sugar Beet Technol. Proc. 6:108-110. 1950. 66.9 Am35
- 49489 LEBEAU, F. J. A method for large-scale inoculation of Sorghum with *Colletotrichum*. Phytopathology 41:378-379. Apr.1951. 464.8 P56
- 49490 LHOSTE, J., and RAVAUULT, L. Quelques observations sur le mode d'action de l'hexachlorobenzene sur les spores de *Tilletia tritici* Berk. Internatl. Cong. Crop Protect. Abs. Commun. 2:48-49. 1949. 464.9 In832
- 49491 LINSKENS, H. F. Neue untersuchungen über das heisswasser-bad zur flugbrandbekämpfung. Höfchen-Briefe f. Wiss. u. Praxis 3(5):3-15. Ref. 1950. 464.8 H67
- English summary.
- 49492 LOBB, W. R. Resistant type of rape for areas infected with club root. New Zeal. J. Agr. 82:65-66. Jan. 15,1951. 23 N48J
- 49493 MCKEEN, W. E. A preliminary study of corn seedling blight in southern Ontario. Canad. J. Bot. 29: 125-137. Ref. Apr.1951. 470 C16C
- 49494 MAHMUD, K. A., and NEMA, K. G. Collar rot of *Dalbergia sissoo* Roxb. due to *Rhizoctonia* (Corticium) solani Kuhn. Indian Forester 77:149. Feb.1951. 99.8 In2
- 49495 MAHR, J. A., and FOUNTAIN, H. S. Controlling greenhouse molds. Farm Electr. 5(2):11-12. Mar./Apr. 1951. 335.8 F224
- Cladosporium* on tomatoes.
- 49496 MARTENS, P. H., and DETROUX, L. Essais de détermination en laboratoire de la valeur des désinfectants de semences à base de mercure. Parasitica 6:88-97. 1950. 464.8 P21

- 49497 MARTIN, W. J., and PERSON, L. H. Surface rot [Fusarium] of Porto Rican sweet potatoes. *Phytopathology* 41:228-230. Mar.1951. 464.8 P56
- 49498 MAURY, R., and MAURO, J. Le brenner en Champagne. France. Min. de l'Agr. B. Tech. d'Inform. 56:139-143. Jan./Feb.1951. 14 F844B
- Deuterophoma tracheiphila.
- 49499 MERCER, R. Treat your grain; seed treatment is good insurance, investment. *Mont. Farmer-Stockman* 38(12):14,31. Feb.15,1951. 6 M764
- 49500 MIKHAILOVSKI, V. S. Control of white leaf spot in black currants. (In Russian.) *Sad i Ogorod* 1950 (12):33-34. Dec.1950. 80 Sa13
- 49501 MILES, G. F. Life-guards for the seeds of grasses and clovers. (Condensed.) *Du Pont de Nemours, E. I. & Co. Agr. News Let.* 19:43-48. May/June 1951. 6 D92
- Seed treatment.
- 49502 MILLER, P. W. The mushroom root rot [Armillaria mellea] of walnuts in Oregon. *Oreg. State Hort. Soc. Proc.* 65:142-144. 1950. 81 Or32
- 49503 MILLS, W. D. Fungicides for tree fruit in 1951. *N. Y. State Hort. Soc. Proc.* 96:184-186. 1951. 81 N484
- 49504 MOSS, E. H. Rusts [Puccinia] on Adoxa in Alberta. *Mycologia* 43:99-102. Jan./Feb.1951. 450 M99
- 49505 MÜLLER, E. Die weissfleckenkrankheit [Mycosphaerella sentina] der birnbäume. *Schweiz. Z. f. Obst- u. Weinbau* 60:163-166. Apr.21,1951. 80 Sch9
- 49506 MURAKISHI, H. H. Purple seed stain [Cercosporina kikuchii] of soybean. *Phytopathology* 41:305-318. Ref. Apr.1951. 464.8 P56
- 49507 NELSON, K. E. Factors influencing the infection of table grapes by Botrytis cinerea (Pers.). *Phytopathology* 41:319-326. Ref. Apr.1951. 464.8 P56
- 49508 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Ontsmetting van bietenzaad tegen bietenbrand [Treatment of beet seeds against beet root rot]. *Netherlands. Plantenziektenk. Dienst. Ber.* 933,1 p. Feb.1951. 464.9 N38
- 49509 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Ontsmetting van zaaizaad bij zomergranen [Treatment of seed of summer grain]. *Netherlands. Plantenziektenk. Dienst. Ber.* 934,2 p. Feb.1951. 464.9 N38
- 49510 PALMITER, D. H. Fungicides and concentrate sprayers. *N. Y. State Hort. Soc. Proc.* 96:95-97. 1951. 81 N484
- 49511 PALMITER, D. H. Fungicides for apple scab and their effects on yield and quality of fruit. *N. Y. State Hort. Soc. Proc.* 96:271-274. 1951. 81 N484
- 49512 PAVANI, A. The chestnut crisis. (In Italian.) *Lotte Contadine* 2(4):11. Mar.10,1951. 16 L91
- Endothia parasitica.
- 49513 PAVARI, A. Control of chestnut blight. (In Italian.) *Humus* 7(3):9-13. Mar.1951. 16 H88
- Endothia parasitica in Italy.
- 49514 PLASMAN, A. Note sur la pourriture rouge du méléze du Japon (Larix leptolepis Gord.) causée par Fomes annosus Fr. (= Ungulina annosa Fr. Pat. = Trametes radiciperda Hart). *Parasitica* 6:119-122. Ref. 1950. 464.8 P21
- 49515 POPP, W. Infection in seeds and seedlings of wheat and barley in relation to development of loose smut. *Phytopathology* 41:261-275. Ref. Mar.1951. 464.8 P56
- 49516 PORTER, R. H. Treatment of crop seeds in Brazil and Paraguay. *Phytopathology* 41:367-374. Apr.1951. 464.8 P56
- 49517 POULOS, P. L., and HEUBERGER, J. W. Apple fungicide test—West Dover, Delaware—1950. *Cumberland-Shenandoah Fruit Workers' Conf. [Proc.]* 26:77. 1950. 81 C91
- 49518 POULOS, P. L., HEUBERGER, J. W., and HOOD, J. J. Relative effectiveness of various spray applications for the control of brown rot fruit infection in the orchard—1950. *Cumberland-Shenandoah Fruit Workers' Conf. [Proc.]* 26:97-101. 1950. 81 C91
- 49519 RAFAY, S. A. Wilt disease of cane. (Abs.) *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(1,sect.2):56-57. 1951. 65.9 C766
- 49520 RATH. Die Monilia, eine gefährliche obstkrantheit. *Gart.-Z. Illus. Flora* 74:17-20. Feb. 1951. 80 G1991
- 49521 REICHERT, I. Climatic factors in the practice of fungicidal treatments in a Mediterranean climate. *Internat. Cong. Crop Protect. Abs. Commun.* 2:46-47. 1949. 464.9 In832
- 49522 REICHERT, I., and PALT, J. Synopsis of the results obtained with sulphur and copper fungicides in plant disease control in Palestine. *Internat. Cong. Crop Protect. Abs. Commun.* 2:50-51. 1949. 464.9 In832
- 49523 RENAULT, J., and MAURY, R. Le mildiou en Champagne (détection des foyers primaires). France. Min. de l'Agr. B. Tech. d'Inform. 56:136-138. Jan./Feb. 1951. 14 F844B
- Grapes.
- 49524 RING. Fichtenrotfäule, probleme der praxis und aufgaben für die forschung. (Sum.) *Angew. Chem.* 63:98. Feb.21,1951. 384 Z33
- Fomes annosus.
- 49525 RISHBETH, J. Observations on the biology of Fomes annosus, with particular reference to East Anglian pine plantations. III. Natural and experimental infection of pines, and some factors affecting severity of the disease. *Ann. Bot. (n.s.)* 15:221-246. Ref. Apr.1951. 450 An7
- 49526 RIVEROS, J. E. La peronospora en los viñedos. *Charla Rur.* 149:20-21. Mar.1951. 9 C37
- 49527 RODENHISER, H. A., and MOORE, E. G. The new stem rust threat. *Science* 113(2941):3. May 11,1951. 470 Sci2
- On wheat.
- 49528 ROJAS MENDOZA, E. La roya negra del trigo en el Perú; una nueva raza fisiológica, la 17, se identifica para el país. *Agronomía [Lima]* 15(64):35-41. Ref. Dec.1950. 9.8 Ag83
- 49529 ROLL-HANSEN, J. Clubroot and turnip. (In Norwegian.) *Gartneryrket* 41:197-198. Mar.17,1951. 80 G1938
- 49530 RUPERT, J. A. Rust resistance in the Mexican wheat improvement program. *Mex. Sec. de Agr. y Ganad. Fol. Téc.* 7,44 p. Ref. Apr.1951. 8 M577F
- 49531 SAROJINI, T. S. Soil conditions and root diseases. II. Fusarium udum, disease of red gram [Cajanus cajan (Linn.) Millsp.]. *Indian Acad. Sci. Proc. Sect. B* 33:49-68. Ref. Feb.1951. 513 In25B
- 49532 SCHALLER, C. W. The effect of mildew [Erysiphe graminis hordei] and scald [Rhynchosporium secalis] infection on yield and quality of barley. *Agron. J.* 43:183-188. Ref. Apr.1951. 4 Am34P
- 49533 SERGIO, F. Oldium or powdery mildew of grapes. (In Italian.) *Agr. Romagn.* 7:2. Apr.5,1951. 16 Ag828
- 49534 SHARVELLE, E. G. Value of new fungicides for the prevention and cure of dollar spot disease explained. *Midwest Turf* 5:2-4. Jan.1951. 60.18 M58
- Disease of bent grasses caused by Sclerotinia homoeocarpa.
- 49535 SHERBAKOFF, C. D. A correction of the identification of Helminthosporium [H. carbonum] causing black ear rot of corn. *Phytopathology* 41:378. Apr.1951. 464.8 P56
- 49536 SIGGERS, P. V. Spray control of the fusiform rust in forest-tree nurseries. *J. Forestry* 49:350-352. May 1951. 99.8 F768
- Cronartium fusiforme on pines.
- 49537 SKILES, R. L. The fungi causing purple blotch of onions. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:59-60. Oct.1950. 500 C717
- 49538 SMITH, G. Some new species of moulds and some new British records. *Brit. Mycol. Soc. Trans.* 34:17-22. Mar.1951. 451 B76
- Includes new species in: Aspergillus, Nodulisporium, and Circinella.
- 49539 SPENCER, J. L., and WHITE, H. E. Anther smut [Ustilago violacea] of carnation. *Phytopathology* 41:291-299. Ref. Mar.1951. 464.8 P56
- 49540 SPRAGUE, R., and JOHNSON, A. G. Species of Selenophoma on North American grasses. *Oreg. State Col. Monog. Studies Bot.* 10,43 p. Ref. Sept.1950. 451 Or32
- 49541 STEENLAND, A. P. Vegetable seed treatments. *Oreg. State Hort. Soc. Proc.* 65:98. 1950. 81 Or32
- 49542 STODDARD, E. M., and DIMOND, A. E. The chemotherapeutic control of Fusarium wilt of carnations. *Phytopathology* 41:337-340. Apr.1951. 464.8 P56
- 49543 TARDY, L. Quelques principes de lutte contre le mildiou de la vigne. *Colon Franç. de Tunisie (ser.7)* 44(2189):1. Mar.17,1951. 24 C712
- 49544 TAYLOR, C. F. Apple scab control. Starking-Miller orchard, Kearneysville, W. Va. *Cumberland-Shenandoah Fruit Workers' Conf. [Proc.]* 26:64. 1950. 81 C91
- 49545 THOMAS, W. D., JR., and BAKER, R. R. The carnation as a carrier of wilt-producing Fusaria. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:60-61. Oct.1950. 500 C717
- 49546 TIMNICK, M. B., LILLY, V. G., and BARNETT, H. L. Factors affecting sporulation of Diaporthe phaseolorum var. batatatis from soybean. *Phytopathology* 41:327-336. Ref. Apr.1951. 464.8 P56

- 49547 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Barberry eradication. Washington, 1951? 1 p. 1.967 A2B23
To control blister rust of pine.
- 49548 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Dutch elm disease control. Washington, 1951? 1 p. 1.967 A2D952
- 49549 URRIES, M. J. DE. Las royas de los cereales. Spain. Inst. Nac. de Invest. Agron. B. 10:397-475. Ref. Dec.1950. 105.6 Sp14
English summary.
- 49550 VAUGHAN, E. K. Celery blight control. Oreg. State Hort. Soc. Proc. 65:92-94. 1950. 81 Or32
- 49551 VAUGHAN, E. K. Damping-off of vegetable seedlings. Oreg. State Hort. Soc. Proc. 65:91. 1950. 81 Or32
- 49552 VERMA, G. S., and KAMAL, M. Rot of *Mangifera indica* Linn caused by *Aspergillus*. Cur. Sci. 20:68-69. Mar.1951. 475 Sci23
- 49553 VIDAL MORA, J. M. La desinfección de la simiente de trigo. Balearic Isl. Diputación Prov. B. de Agr. 77:10-11. Feb.1951. 15 B19
- 49554 VRIEND, S. The missing link in the fight against fruit scab [*Cladosporium cucumerinum*]. (In Dutch.) Groenten en Fruit 6:652-653. Mar.15,1951. 80 G89
- 49555 WAGER, V. A. Spraying for the control of black spot in citrus. Citrus Grower 206:10-12. Mar.31, 1951. 80 C495
- 49556 WALLEN, V. R., and SKOLKO, A. J. A comparison of seed testing methods in relation to the stem-break and browning disease of flax, caused by *Polyspora lini* Laff. Canad. J. Bot. 29:138-142. Apr.1951. 470 C16C
- 49557 WHEAT STEM RUST CONFERENCE, UNIVERSITY FARM, ST. PAUL, 1950. Report. St. Paul? 1950? 53 p. 464.9 W562
- 49558 YARWOOD, C. E. Fungicides for the control of powdery mildews. Internatl. Cong. Crop Protect Abs. Commun. 2:13-14. 1949. 464.9 In832
- 49559 ZENTMYER, G. A. 5,000 times enlarged. Calif. Citrog. 36:305. May 1951. 80 C125
Phytophthora cinnamomi on avocado.
- Diseases Caused by Bacteria**
- 49560 DUCHARME, E. P. Cancrosis B of lemons. Citrus Mag. 13(9):18-20. May 1951. 80 C498
- 49561 HARTWIG, E. E., and LEHMAN, S. G. Inheritance of resistance to the bacterial pustule disease [*Xanthomonas phaseoli* *sojensis*] in soybeans. Agron. J. 43:226-229. May 1951. 4 Am34P
- 49562 HILDRETH, R. C., and STARR, G. H. Antibiotics alone and in combination for the control of bacterial blight of beans. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:58. Oct.1950. 500 C717
- 49563 HUNT, R. Fight, fight, fight; don't let wildfire and other leafspot diseases get the best of you. Fight them at their source. Follow the plan recommended. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(4):22,133. Apr.1951. 6 P945K
Tobacco.
- 49564 KULKARNI, Y. S., PATEL, M. K., and DHANDE, G. W. *Xanthomonas cassiae*, a new bacterial disease of Cassia tora L. Cur. Sci. 20:47. Feb.1951. 475 Sci23
- 49565 KUNERT, J. Rosenkrebs [Agrobacterium tumefaciens]-markenetikett. Gartenbauwirtschaft [Wien] 1951:14. Jan.25,1951. 80 G1936
In Austria.
- 49566 MOHANTY, U. *Corynebacterium fascians* (Tilford) Dowson; its morphology, physiology, nutrition and taxonomic position. Brit. Mycol. Soc. Trans. 34: 23-34. Ref. Mar.1951. 451 B76
- 49567 PERKINS, B. L. Streptomycin for potato ring rot [*Corynebacterium sepedonicum*] control. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:57-58. Oct.1950. 500 C717
- 49568 STARR, G. H. Some factors influencing infection by *Corynebacterium sepedonicum* in potato plants. Amer. Potato J. 28:551-558. Ref. Mar.1951. 75.8 P842
- 49569 VOETS, J. P. Sur les maladies bactériennes des plantes cultivées. Annu. Agr. et Hort. (1950/51)3: 160-164. 1951. 13 An7
- 49570 WHITE, P. R. Les tumeurs végétales et le problème de l'étiologie cancéreuse. Ann. Biol. 54:745-761. Ref. Dec.1950. 442.8 An7
Includes discussion.
- Viruses and Virus Diseases**
- 49571 ADSUAR, J. Preliminary report of a mosaic disease of the resistant sugar cane variety Mayaguez-336. Puerto Rico (Rio Piedras) Agr. Expt. Sta. Tech. Paper 7, 9 p. Dec.1950. 100 P83T
- 49572 ADSUAR, J. Studies on virus diseases of papaya (*Carica papaya*) in Puerto Rico. IV. Preliminary studies on the host range of papaya mosaic. Puerto Rico (Rio Piedras) Agr. Expt. Sta. Tech. Paper 5, 5 p. Aug. 1950. 100 P83T
- 49573 BAKER, R. R., and THOMAS, W. D., JR. Root transmission of the carnation mosaic virus. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:60. Oct.1950. 500 C717
- 49574 BLACK, L. M. Further studies on the properties of potato yellow-dwarf virus. Phytopathology 41:213-220. Mar.1951. 464.8 P56
- 49575 BONDE, R., and MERRIAM, D. Studies on the dissemination of the potato spindle tuber virus by mechanical inoculation. Amer. Potato J. 28:531-550. Mar.1951. 75.8 P842
- 49576 CHESSIN, M. The effects of nitrogen deficiency on the properties of tobacco-mosaic virus. Phytopathology 41:235-237. Ref. Mar.1951. 464.8 P56
- 49577 CHONA, B. L. Strains of sugarcane mosaic virus. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.1):39. 1951. 65.9 C766
- 49578 COONS, G. H., KOTILA, J. E., and STEWART, D. Savoy, a virus disease of beet transmitted by *Piesma cinerea*. Amer. Soc. Sugar Beet Technol. Proc. 6:500-501. 1950. 66.9 Am35
- 49579 DARBY, J. F., and LARSON, R. H. Variation in virulence of naturally occurring strains of potato virus Y. Amer. Potato J. 28:561-562. Mar.1951. 75.8 P842
- 49580 DUCHARME, E. P., KNORR, L. C., and SPERONI, H. A. Observations on the spread of tristeza in Argentina. Citrus Mag. 13(9):10-12,14. Ref. May 1951. 80 C498
- 49581 ELMER, O. H. Virus diseases of cherry. Kans. State Hort. Soc. Bien. Rpt. 50:136-138. 1950. 81 K13
- 49582 FRAZIER, N. W. Red leaf, an aphid-borne virus disease of filaree [*Erodium*]. Phytopathology 41: 221-227. Mar.1951. 464.8 P56
- 49583 GFRÖRER, Augenstecklingsprüfung bei saatkartoffeln. Württemb. Wehnl. f. Landwirt. 118:198. Mar.10,1951. 18 W96
For virus diseases.
- 49584 GIDDINGS, N. J. Combination and separation of curly-top virus strains. Amer. Soc. Sugar Beet Technol. Proc. 6:502-507. 1950. 66.9 Am35
- 49585 GOL'DIN, M. I., and PARIEVSKAYA, A. P. Materials on big bud of tomatoes in Crimea. Some data on the biology of vector (*Hyalesthes obsoletus*). (In Russian.) Mikrobiologiya 19:527-531. Nov./Dec.1950. 448.3 M582
- 49586 GORODSKAYA, O. S. New method of separating tobacco mosaic virus. (In Russian.) Biokhimiya 15:507-508. Nov./Dec.1950. 385 B523
- 49587 GRAHAM, R. W. Preliminary studies of the effects of temperature and moisture on red node symptoms of beans. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:59. Oct.1950. 500 C717
- 49588 HOLMES, F. O. Indications of a new-world origin of tobacco-mosaic virus. Phytopathology 41:341-349. Ref. Apr.1951. 464.8 P56
- 49589 IVANOVSKII, D. I. On the artificial culture of [tobacco] mosaic disease virus. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 1950(6):50-53. Nov./Dec.1950. 511 Sa2B
- 49590 IVANOVSKIY, D. I. Microscopic study of plants. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 1950(6):42-49. Nov./Dec.1950. 511 Sa2B
Tobacco mosaic disease.
- 49591 KEENER, P. D. Aster yellows in potatoes? Prog. Agr. Ariz. 3:6-7. Apr./June 1951. 6 P9452
- 49592 KRISTENSEN, H. R. Pelargonium-mosaic disease. (In Norwegian.) Gartneryrket 41:221. Mar.31, 1951. 80 G1938
- 49593 KUNEYL, H. L'Argentine et le quick-decline. Fruits et Primeurs de l'Afrique du Nord 21:117-120. Apr.1951. 80 F9482
- 49594 MCWHORTER, F. P., and FRAZIER, W. A. The disease that attacked the plantings of hybrid 65 beans in Oregon during 1950. Oreg. State Hort. Soc. Proc. 65:86-90. 1950. 81 Or32
Caused by a new yellow virus.
- 49595 MILBRATH, J. A. Research project on stone fruit virus in Oregon. Oreg. State Hort. Soc. Proc. 65: 54-55. 1950. 81 Or32
- 49596 MILBRATH, J. A. Separation of rusty mottle of cherry from a ring-spot-rusty mottle complex. Science 113:606-607. May 25,1951. 470 Sci2
- 49597 MUHLE, E., and SCHUSTER, G. Der nachweis von kartoffelvirosen, ein wichtiges problem für die gesunderhaltung unserer kartoffelbestände. Deut. Landwirt. 2:127-130. Ref. Mar.1951. 18 D4822

- 49598 OSTER, G. The isoelectric points of some strains of tobacco mosaic virus. *J. Biol. Chem.* 190:55-59. May 1951. 381 J824
- 49599 PORTER, C., and MCWHORTER, F. P. The problem of controlling cucumber mosaic in northern Oregon. *Oreg. State Hort. Soc. Proc.* 65:84-85. 1950. 81 Or32
- 49600 RASMUSSEN, L. Experiments with yellows of beets. (In Danish.) *Tidsskr. f. Frøavl* 20:138-143. Feb. 1951. 61.8 T43
- 49601 RICHARDS, B. L. A program for control of virus diseases of stone fruits. *Farm & Home Sci. [Utah Sta.]* 12:6-9, 12. Mar. 1951. 100 UtiF
- 49602 RIEUF, P. A propos de traitements de la psorose des agrumes. *Fruits et Primeurs de l'Afrique du Nord* 21:121-123. Apr. 1951. 80 F9482
- 49603 ROLAND, G. Recherches virologiques sur *Isoloma hirsutum*, *Pogostemon patchouli* et *Salvia splendens*. *Parasitica* 6:8-13. 1950. 464.8 P21
- 49604 RUMLEY, G. E., and THOMAS, W. D., JR. The inactivation of the carnation-mosaic virus. *Phytopathology* 41:301-303. Mar. 1951. 464.8 P56
- 49605 RYZHKOV, V. L. Study of tobacco mosaic disease in U.S.S.R. from D. I. Ivanovskii's time up to our days. (In Russian.) *Mikrobiologiya* 19:489-498. Nov./Dec. 1950. 448.3 M582
- 49606 SMITH, P. G., and GARDNER, M. W. Resistance in tomato to the spotted-wilt virus. *Phytopathology* 41:257-260. Ref. Mar. 1951. 464.8 P56
- 49607 THOMAS, H. R., ZAUMEYER, W. J., and JORGENSEN, H. Inheritance of resistance to lima-bean mosaic virus in the lima bean. *Phytopathology* 41:231-234. Mar. 1951. 464.8 P56
- 49608 THOMAS, W. D., JR. Seed-borne red node of Pinto beans. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:59. Oct. 1950. 500 C717
- 49609 THOMAS, W. D., JR., BAKER, R. R., and ZORIL, J. G. The use of ultraviolet light as a means of diagnosing carnation mosaic. *Science* 113:576-577. May 18, 1951. 470 Sci2
- 49610 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Phony peach disease control. Washington, 1951? 1 p. 1.967 A2P562
- 49611 VALLEAU, W. D. Tobacco ring-spot virus: the cause of eggplant yellows. *Phytopathology* 41:209-212. Mar. 1951. 464.8 P56
- 49612 VANDERWALLE, R. La jaunisse des navets. *Parasitica* 6:111-112. 1950. 464.8 P21
- 49613 VLIET, M. VAN DER. Virus diseases of beans. (In Dutch.) *Volkstuin* 34:15-16. Feb. 1951. 80 V88
- 49614 WILLIAMS, R. C., and STEERE, R. L. Electron microscopic observations on the unit of length of the particles of tobacco mosaic virus. *Amer. Chem. Soc. J.* 73:2057-2061. May 1951. 381 Am33J
- 49615 WILLIAMS, R. C., BACKUS, R. C., and STEERE, R. L. Macromolecular weights determined by direct particle counting. II. The weight of the tobacco mosaic virus particle. *Amer. Chem. Soc. J.* 73:2062-2066. May 1951. 381 Am33J
- 49616 WOLFE, H. R., ANTHON, E. W., and JONES, L. S. Insect transmission of Western X-disease of peaches. *Science* 113:558-559. May 11, 1951. 470 Sci2
- Diseases Caused by Nematodes**
- 49617 ALLEN, M. W., and JENSEN, H. J. *Pratylenchus vulnus*, new species (Nematoda: Pratylenchinae), a parasite of trees and vines in California. *Helminthol. Soc. Wash. Proc.* 18:47-50. Jan. 1951. 436.9 H36
- 49618 BOCKSTAHLER, H. W. The sugar beet nematode in Michigan. *Amer. Soc. Sugar Beet Technol. Proc.* 6:479-480. 1950. 66.9 Am35
- 49619 BOM, G. J. Het erwtenzystenaaltje [The pea nematode]. *Tech.* 56, 7 p. Jan. 1951. 60.39 T22
- 49620 BRANDE, J. VAN DEN. Le nematode de la pomme de terre, *Heterodera rostochiensis*, Ww. *Annu. Agr. et Hort.* (1950/51)3:147-152. 1951. 13 An7
- 49621 BULLARD, D. The invisible worm. *Farmers Wk. [London]* 34(16):55. Apr. 20, 1951. 10 F2226
- Potato nematode.
- 49622 CHRISTIE, J. R., and PERRY, V. G. A root disease of plants caused by a nematode of the genus *Trichodorus*. *Science* 113:491-493. Apr. 27, 1951. 470 Sci2
- Vegetables.
- 49623 CUSHING, G. Temperature control of bulb treating tanks. *Nowest. Bulb Growers Assoc. Proc.* Bulb Growers Short Course 3:46-47. 1950. 81 N817
- For nematode control.
- 49624 FENWICK, D. W., and REID, E. A rapid method for estimating the density of white cysts of *Heterodera rostochiensis* on potato roots. *Nature [London]* 167:534. Mar. 31, 1951. 472 N21
- 49625 GILLARD, A. Sur quelques nematodes nuisibles aux plantes ornementales. *Annu. Agr. et Hort.* (1950/51) 3:152-160. 1951. 13 An7
- 49626 HEELEY, W. D. D.—a soil fumigant against *Heterodera marioni* in the United Kingdom. *Internat. Cong. Crop Protect. Abs. Commun.* 2:96-98. 1949. 464.9 In832
- 49627 MILES, M. Cyst-forming eelworms [*Heterodera*] on cruciferous plants. *Nature [London]* 167:533-534. Mar. 31, 1951. 472 N21
- 49628 MINTZ, G. Host-plants of the root-knot nematode in Israel (Suppl. II). (In Hebrew.) *Hassadeh* 31:302. Mar. 1951. 26 H27
- 49629 NOLTE, H. W. Zur chemischen bekämpfung der nematoden. *Deut. Landwirt.* 2:94-95. Ref. Feb. 1951. 18 D4822
- 49630 SACHS, H. G. Rhabditis brevispina Claus in kranken blütenständen von hyazinthen. *Höfchen-Briefe f. Wiss. u. Praxis* 3(5):31-37. 1950. 464.8 H67
- English summary.
- 49631 STEINER, G., TAYLOR, A. L., and COBB, G. S. Cyst-forming plant parasitic nematodes and their spread in commerce. *Helminthol. Soc. Wash. Proc.* 18:13-18. Ref. Jan. 1951. 436.9 H36
- Heterodera* spp.
- 49632 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Golden nematode [*Heterodera rostochiensis*] control. Washington, 1951? 1 p. 1.967 A2G56
- 49633 WATSON, SIR J. A. S. Discovery. IV. Potato root eelworm. *Young Farmer* 19:79-80. Mar./Apr. 1951. 10 Y8
- ECOLOGY**
- 49634 ADRIANI, M. J., and Vlieger, J. Plant sociology. (In Dutch.) In Mulder G. J. A., ed. *Handboek der geografie van Nederland*, v.2, p.130-164. Ref. Zwolle, N. V. de Erven J. J. Tjil, 1951. 278.172 M89
- 49635 ALEKSANDROVA, V. D. On the content of the concept "polar desert" as a type of vegetation. (In Russian.) *Priroda* 39(9):34-36. Ref. Sept. 1950. 410 P933
- 49636 BAZILEVSKAIA, N. A. Rhythm of development and acclimatization of herbaceous plants. (In Russian.) *Akad. Nauk SSSR. Inst. Lesa. Lab. Evoliuts. Ekol. Rast. im. B. A. Kellera. Trudy* 2:169-189. Ref. 1950. 451 Ak13
- 49637 BEADLE, N. C. W. The misuse of climate as an indicator of vegetation and soils. *Ecology* 32:343-345. Apr. 1951. 410 Ec7
- 49638 BOERGER, A. The ecology of *Medicago sativa* L. in South America. *Brit. Grassland Soc. J.* 5:291-299. Ref. Dec. 1950. 60.19 B773
- 49639 BORN, D. G. Preliminary observations of the distribution patterns of Wyoming grasses. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:54. Oct. 1950. 500 C717
- 49640 BUELL, M. F., and CANTLON, J. E. A study of two forest stands in Minnesota with an interpretation of the prairie-forest margin. *Ecology* 32:294-316. Ref. Apr. 1951. 410 Ec7
- 49641 CASSEL, J. F. Remarks on ecological zonation of northern Colorado front range and adjacent plains. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:77. Oct. 1950. 500 C717
- 49642 CROCIANI, A. Findings on the consociation of the potato with the sunflower and maize and on the reciprocal influences among the consociated plants. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:441-451. 1951. 16 An76
- English summary.
- 49643 DANSEUREAU, P. Description and recording of vegetation upon a structural basis. *Ecology* 32:172-229. Ref. Apr. 1951. 410 Ec7
- 49644 DAWSON, G. W. P. A method for investigating the relationship between the distribution of individuals of different species in a plant community. *Ecology* 32:332-334. Apr. 1951. 410 Ec7
- 49645 DESOLE, L. New locality for *Melissa officinalis* in Sardinia. (In Italian.) *Nuovo Gior. Bot. Ital. (n.s.)* 56:658-661. 1949. 450 N92
- 49646 DULAU, L., and STEHLÉ, H. L'évolution écophytosociologique du littoral de l'Anse Dumont à la Guadeloupe (Antilles Françaises). *Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)* 22:488-501. June 1950. 410.9 P213

- 49647 DUNCAN, W. H. *Quercus oglethorpensis*—range extensions and phylogenetic relationships. *Lloydia* 13:243-248. Dec.1950. 442.8 L77
- 49648 GERLINGS, J. H. J. The present basis for the selection of kinds of woods. (In Dutch.) *Nederland. Boschbouw-Tijdschr.* 23:11-23. (Concl.) Jan.1951. 99.8 N28
An ecological study.
- 49649 HENDRICKS, A. J. A contribution to some aspects of the autecology of Canada thistle [*Cirsium arvense*]. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:55. Oct. 1950. 500 C717
- 49650 HOPKINS, H. H. Ecology of the native vegetation of the loess hills in central Nebraska. *Ecol. Monog.* 21:125-147. Ref. Apr.1951. 410 Ec72
- 49651 HUFNAGL, Der schneerosen-leberblümchentyp. *Allg. Forstztg.* 62:47-48. Mar.1951. 99.8 AL53
Helleborus niger and *Hepatica triloba*.
- 49652 KALELA, E. K. Grupos arbóreos ecológicos en silvicultura. *World Forestry Cong. Proc.* 3(3):43-46. 1949, pub. 1950. 99.9 C76912A
- 49653 KÜCHLER, A. W. The relation between classifying and mapping vegetation. *Ecology* 32:275-283. Ref. Apr.1951. 410 Ec7
- 49654 MENTZER, L. W. Studies on plant succession in true prairie. *Nebr. U. Abs. Doct. Diss.* 1950:32-36. 241.8 N28
- 49655 PELTON, J. F. Outline for ecological life history studies in trees, shrubs, and stem succulents. *Ecology* 32:334-343. Ref. Apr.1951. 410 Ec7
- 49656 PURI, G. S., and GUPTA, A. C. The Himalayan conifers. II. The ecology of humus in conifer forests of the Kulu Himalayas. *Indian Forester* 77:124-129. Ref. Feb.1951. 99.8 In2
- 49657 REED, J. F. The meadows of the Jackson Hole Wildlife Park. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:53. Oct.1950. 500 C717
Wyoming.
- 49658 SAXBY, S. H. Tussock grassland associations. *New Zeal. Grassland Conf. Papers* 12:26-33. 1950. 60.19 N48
- 49659 SCAMONI, A. *Waldkundliche untersuchungen auf grundwassernahen Talsanden.* Berlin, Akademie Verlag, 1950. 156 p. 99.36 Sca5
- 49660 SHAKHOV, A. A. Adaptations to soil salinity in plants. (In Russian.) *Akad. Nauk SSSR. Inst. Lesa. Lab. Evoliuts. Ekol. Rast. im. B. A. Kellera. Trudy* 2:116-141. Ref. 1950. 451 Ak13
- 49661 SHAKHOV, A. A. Objectives and urgent problems of evolutionary plant ecology. (In Russian.) *Akad. Nauk SSSR. Inst. Lesa. Lab. Evoliuts. Ekol. Rast. im. B. A. Kellera. Trudy* 2:38-47. Ref. 1950. 451 Ak13
- 49662 STEARNS, F. The composition of the sugar maple-hemlock-yellow birch association in northern Wisconsin. *Ecology* 32:245-265. Ref. Apr.1951. 410 Ec7
- 49663 TARAKANOV, K. N. Ecological stages of development and forms of adaptation of some plant species. (In Russian.) *Akad. Nauk SSSR. Inst. Lesa. Lab. Evoliuts. Ekol. Rast. im. B. A. Kellera. Trudy* 2:48-75. Ref. 1950. 451 Ak13
- 49664 VOIGT, J. W. Stages in succession to true prairie as represented by Midwestern pastures. *Nebr. U. Abs. Doct. Diss.* 1950:37-40. 241.8 N28

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 49665 ALEKSANDROV, V. G., and SAVCHENKO, M. I. Condition of green plastids of tree bark during the winter. (To the problem of plastid individuality and rejuvenation of the plant cell). (In Russian.) *Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 7. Morf. i Anat. Rast.* 1950:5-81. Ref. 451 Ak15T
- 49666 ALEKSANDROV, V. G. In regard to formation of green plastids in plant cells. (In Russian.) *Bot. Zhur.* 35:475-481. Sept./Oct.1950. 451 R929
Observations on wheat.
- 49667 ALEKSANDROV, V. G., ed. *Morfologiya i anatomiya rastenii [Morphology and anatomy of plants].* *Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 7. Morf. i Anat. Rast.* 1, 227 p. 1950. 451 Ak15T
- 49668 AVANZI, M. G. Notes on the nucleolar cycle in *Cassia acutifolia* Delile. (In Italian.) *Caryologia* 3:200-203. Ref. 1950. 442.8 C25
English summary.
- 49669 BAKER, H. G. A palynological treasure-house. *Nature [London]* 167:457-460. Ref. Mar.24, 1951. 472 N21
Illustrations of pollen grains by F. A. Bauer.
- 49670 BALASUBRAHMANYAM, R., and SANTHANAM, V. The embryo-sac of *Floerkea proserpinacoides* Willd. *Cur. Sci.* 20:44-46. Feb.1951. 475 Sci23
- 49671 BALDWIN, J. T., JR., and SPEESE, B. M. Cytogeography of *Chlorophytum* in Liberia. *Amer. J. Bot.* 38:153-156. Ref. Feb.1951. 450 Am36
- 49672 BAMBACIONI, V. M. A presumed morphological and physiological modification produced by Bordeaux mixture on the epicarp of the olive. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:269-272. 1951. 16 An76
English summary.
- 49673 BANNAN, M. W. The reduction of fusiform cambial cells in *Chamaecyparis* and *Thuja*. *Canad. J. Bot.* 29:57-67. Ref. Feb.1951. 470 C16C
- 49674 BARDINSKAIA, M. S. In regard to lignin formation in plants. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:435-437. Jan.21, 1951. 511 P444A
Experiment with sugar beet shoots.
- 49675 BAYLIS, G. T. S. Root system of the New Zealand mangrove. *Roy. Soc. New Zeal. Trans. & Proc.* 78:509-514. Ref. Nov.1950. 514 W46
- 49676 BERSILLON, G. Structure du pistil des *Papaveracées*, au terme de son développement. *Acad. des Sci. Compt. Rend.* 232:1374-1376. Apr.2, 1951. 505 P21
- 49677 BHARGAVA, K. S. Cytological studies of some members of the family *Saprotegniaceae*. I-II. *Cytologia* 16:72-94. Ref. Dec.1950. 442.8 C99
- 49678 BOKE, N. H. Histogenesis of the vegetative shoot in *Echinocereus*. *Amer. J. Bot.* 38:23-38. Ref. Jan.1951. 450 Am36
- 49679 BOTTARI, V. Four years of unfruitful observations on the ovary abortion in olive flowers. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:359-376. Ref. 1951. 16 An76
English summary.
- 49680 BROWN, K. J. S. Investigation of double-flowered specimens of lady's smock (*Cardamine pratensis*). *Blundell's Sch. Sci. Soc. Mag.* 5:46-49. 1950. 410 B62
- 49681 BUVAT, R. Evolution cytologique du méristème apical de *Myosurus minimus* L. au cours de la phase végétative. *Acad. des Sci. Compt. Rend.* 232:1232-1234. Mar.19, 1951. 505 P21
- 49682 CHAKRAVERTI, D. N. On the occurrence of foliar ascidia in *Clerodendron infortunatum* Gaertn. *Cur. Sci.* 20:48-49. Feb.1951. 475 Sci23
- 49683 DATTA, R. M., and PAUL, A. K. Morphology of the ovary of *Oryza sativa* Linn. var. plena ("double rice"). *Science* 113:491. Apr.27, 1951. 470 Sci2
- 49684 DIANNELIDIS, T. Zellphysiologische beobachtungen an den schliesszellen von *Stratiotes aloides*. *Protoplasma* 39:441-449. Ref. 1950. 442.8 P94
- 49685 DORMER, K. J., and PLACK, R. L. A quantitative study of shoot development in *Vicia faba*. II. *Ann. Bot. (n.s.)* 15:157-173. Apr.1951. 450 An7
- 49686 FREY-WYSSLING, A., and FREY, R. Tunicin im elektronenmikroskop. *Protoplasma* 39:656-660. Ref. 1950. 442.8 P94
English summary.
Phallusia and Ciona used in the experiment.
- 49687 GAISER, L. O. Asynapsis and triploidy in a population of *Liatris ligulistylis*. *Lloydia* 13:229-242. Ref. Dec.1950. 442.8 L77
- 49688 GERM, H. Ein fall spontaner plasmasystrophe. *Protoplasma* 39:483-492. Ref. 1950. 442.8 P94
Buddleja japonica.
- 49689 GICKLHORN, J. Fluoreszenzmikroskopische beobachtungen am lebenden chloroplasten. *Mikrochem. Ver. mit Mikrochim. Acta* 36/37:1128-1133. 1951. 384 M58
English summary.
- 49690 GIFFORD, E. M., JR. Early ontogeny of the foliage leaf in *Drimys winteri* var. *chilensis*. *Amer. J. Bot.* 38:93-105. Ref. Feb.1951. 450 Am36
- 49691 GIFFORD, E. M., JR. Ontogeny of the vegetative axillary bud in *Drimys winteri* var. *chilensis*. *Amer. J. Bot.* 38:234-243. Ref. Mar.1951. 450 Am36
- 49692 GINIEIS, C. Contribution à l'étude anatomique des plantules de palmiers: la plantule de *Chamaerops humilis* L. *Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)* 22:510-517. June 1950. 410.9 P213
- 49693 GOIDANICH, G., and PUPILLO, M. The membranes of the lemon fruit. (In Italian.) *Riv. della Ortoflorofrutticoltura Ital.* 35:66-69. Mar./Apr.1951. 86 R22
- 49694 HARTEL, O., KENDA, G., and WEBER, F. Myelin-figuren aus drüsenhaaren von *Verbascum blattaria*. *Protoplasma* 39:619-628. Ref. 1950. 442.8 P94

- 49695 HÄRTEL, O., KENDA, G., and WEBER, F. Plasmal-idioblasten im mesophyll von *Verbascum blattaria*. *Protoplasma* 39:629-638. Ref. 1950. 442.8 P94
- 49696 HASEK, R. F. Studies on the abscission of *Gardenia* flower buds. Ohio. State U. Abs. Doct. Diss. 60:143-145. Spring Q.1948/49. 241.8 Oh3
- 49697 HEINIG, K. H. Studies in the floral morphology of the *Thymelaeaceae*. *Amer. J. Bot.* 38:113-132. Ref. Feb.1951. 450 Am36
- 49698 HÖFLER, K. Fluorochromfärbung am lebenden protoplasten. *Mikrochem. Ver. mit Mikrochim. Acta* 36/37:1146-1157. Ref. 1951. 384 M58
English summary.
- 49699 HOLTZMAN, D. H. Three-dimensional cell shape studies in the vegetative tip of *Coleus*. *Amer. J. Bot.* 38:221-234. Ref. Mar.1951. 450 Am36
- 49700 IAKOVLEV, M. S. Structure of endosperm and embryo in cereals as a systematic characteristic. (In Russian.) *Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 7. Morf. i Anat. Rast.* 1950:121-218. Ref. 451 Ak15T
- 49701 JOWITT, J. D. A chimaera outside the head-master's study. *Blundell's Sch. Sci. Soc. Mag.* 5:59-61. 1950. 410 B62
Graft hybrid originally obtained from *Cytisus purpureus* and *Laburnum anagyroides*.
- 49702 KHANNA, K. L., and SHARMA, S. L. A plea for intensive study of the anatomy of sugarcane plant in relation to its various economic attributes. (Abs.) *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(1,sect.2): 51-52. 1951. 65.9 C766
- 49703 KISSER, J., and WITTMANN, W. Fluoreszenz-mikroskopische untersuchungen an verholzten zellwänden. *Mikrochem. Ver. mit Mikrochim. Acta* 36/37:1134-1145. Ref. 1951. 384 M58
English summary.
- 49704 KLIMCHIKINA, L. V. On type of fruit structure in the genus *Hydrocotyle*. (In Russian.) *Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 7. Morf. i Anat. Rast.* 1950: 219-227. 451 Ak15T
- 49705 KNAYSI, G. Elements of bacterial cytology. Ed. 2. Ithaca, N.Y., Comstock, 1951. 375 p. 448.2 K72
- 49706 KNOBLOCH, I. W. Are there vestigial structures in plants? *Science* 113:465. Apr.20,1951. 470 Sci2
- 49707 LIND, A. E. On bisexual racemes in corn. (In Russian.) *Priroda* 39(10):58. Oct.1950. 410 P933
- 49708 MANTON, I., and CLARKE, B. Demonstration of compound cilia in a fern spermatozoid with the electron microscope. *J. Expt. Bot.* 2(4):125-128. Ref. Feb.1951. 450 J8224
- 49709 MARTINOLI, G. Contribution to the karyology of the genus *Ornithogalum*. (In Italian.) *Caryologia* 3: 156-164. Ref. 1950. 442.8 C25
English summary.
- 49710 MASON, C. T., JR. Development of the embryo-sac in the genus *Limnathes*. *Amer. J. Bot.* 38:17-22. Jan.1951. 450 Am36
- 49711 MATSUURA, H., and HAGA, T. Chromosome studies on *Trillium kamtschaticum* Pall. and its allies. IX, XIX. *Cytologia* 16:37-57. Ref. Dec.1950. 442.8 C99
IX, Chromosome aberrations induced by X-ray treatment, by H. Matsuura and T. Haga; XIX, Chromatid breakage and reunion at chiasmata, by H. Matsuura.
- 49712 MAUGINI, E. Cyto-embryological researches on the genus *Piper*. (In Italian.) *Caryologia* 3:221-233. Ref. 1950. 442.8 C25
English summary.
- 49713 MOORE, L. B. Reproduction in *Halopteris* (*Sphacelariales*). *Ann. Bot. (n.s.)* 15:265-278. Ref. Apr.1951. 450 An7
- 49714 MORETTINI, A. Further contribution to the study of the ovary abortion in olive flowers. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:309-329. Ref. 1951. 16 An76
English summary.
- 49715 MORRIS, R. F. The effects of flowering on the foliage production and growth of balsam fir. *Forestry Chron.* 27:40-57. Mar.1951. 99.8 F7623
Investigation made in connection with study of *Choristoneura fumiferana*.
- 49716 NESTEROV, I. A. S. Formation of apple fruits from vegetative parts. (In Russian.) *Sad i Ogorod* 1950 (12):67. Dec.1950. 80 Sa13
- 49717 NYGREN, A. Cytological and embryological studies in Arctic *Poa*. *Symb. Bot. Upsal.* 10(4), 64 p. Ref. 1950. 451 Up72
- 49718 OKE, J. G. Chromosome numbers in some species of *Dichanthium* Willemet, and *Bothriochloa* O. Ktze. *Indian Acad. Sci. Proc. Sect. B* 32:227-230. Nov. 1950. 513 In25B
- 49719 PERVUKHINA, N. V. On the phylogenetic importance of some characteristics of *Umbelliferae* fruit structure. (In Russian.) *Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 7. Morf. i Anat. Rast.* 1950:82-120. Ref. 451 Ak15T
- 49720 POOLE, A. L. Studies of the New Zealand *Nothofagus* species. 2. Nut and cupule development. *Roy. Soc. New Zeal. Trans. & Proc.* 78:502-508. Nov. 1950. 514 W46
- 49721 RAO, C. V. Life-history of *Muntingia calabura* L. *Cur. Sci.* 20:47-48. Feb.1951. 475 Sci23
- 49722 RAO, Y. S. Cytological studies in *Ottelia*. *Cur. Sci.* 20:72. Mar.1951. 475 Sci23
- 49723 RAU, M. A. The endosperm in *Crotalaria*. *Cur. Sci.* 20:73-74. Mar.1951. 475 Sci23
- 49724 RAU, M. A. The endosperm in *Rothia trifoliata* Pers. *Ann. Bot. (n.s.)* 15:175-177. Apr.1951. 450 An7
- 49725 SAVITSKY, H. Embryology of mono- and multigerm fruits in the genus *Beta* L. *Amer. Soc. Sugar Beet Technol. Proc.* 6:160-164. 1950. 66.9 Am35
- 49726 SEDAR, A. W., and WILSON, D. F. Electron microscope studies on the normal and colchicized mitotic figures of the onion root tip (*Allium cepa*). *Biol. B.* 100:107-115. Ref. Apr.1951. 442.8 B52
- 49727 SHAPIRO, S. Stomata on the ovules of *Zamia floridana*. *Amer. J. Bot.* 38:47-53. Ref. Jan.1951. 450 Am36
- 49728 SINHA, N. P. Chromosome number and morphology in *Physalis*. *Cur. Sci.* 20:70-71. Mar.1951. 475 Sci23
- 49729 SNYDER, L. A. Cytology of inter-strain hybrids and the probable origin of variability in *Elymus glaucus*. *Amer. J. Bot.* 38:195-202. Ref. Mar.1951. 450 Am36
- 49730 STIEGLER, A. Vitalfärbungen an pflanzenzellen mit cresylechtviolett. *Protoplasma* 39:493-506. Ref. 1950. 442.8 P94
- 49731 STÖGER, E. M. Zur permeabilität der schliesszellen. *Protoplasma* 39:588-596. Ref. 1950. 442.8 P94
Tradescantia viridis.
- 49732 STRUCKMEYER, B. E., and RIKER, A. J. Woundperiderm formation in white-pine trees resistant to blister rust. *Phytopathology* 41:276-281. Mar.1951. 464.8 P56
- 49733 SUAREZ DE CASTRO, F. Algunas observaciones sobre el sistema radicular de *Coffea arabica* L. 1. *Agr. Trop.* 7(3):41-47. Ref. Mar.1951. 26 Ag8
- 49734 TAKENAKA, Y. Notes on cytological observations in *Colchicum*, with reference to autotoxicosis and sterility. *Cytologia* 16:95-99. Ref. Dec.1950. 442.8 C99
- 49735 THODAY, D. The haustorial system of *Viscum album*. *J. Expt. Bot.* 2(4):1-19. Ref. Feb.1951. 450 J8224
- 49736 TONINI, G. The corn plant and the weight of its parts. (In Italian.) *Italia Agr.* 88:136-137. Mar.1951. 16 It1
- 49737 WADA, B. The mechanism of mitosis based on studies of the submicroscopic structure and of the living state of the *Tradescantia* cell. *Cytologia* 16:1-26. Ref. Dec.1950. 442.8 C99
- 49738 WARDROP, A. B., and PRESTON, R. D. The submicroscopic organization of the cell wall in conifer tracheids and wood fibres. *J. Expt. Bot.* 2(4): 20-30. Ref. Feb.1951. 450 J8224
- 49739 WILLIAMS, W. T. Studies in stomatal behaviour. III. The sensitivity of stomata to mechanical shock. 2. True shock-phenomena and their implications. *J. Expt. Bot.* 2(4):86-95. Ref. Feb.1951. 450 J8224
- 49740 WILSON, K. Observations on the structure of the cell walls of *Valonia ventricosa* and of *Dictyosphaeria favulosa*. *Ann. Bot. (n.s.)* 15:279-288. Ref. Apr.1951. 450 An7

GENETICS

- 49741 AIZENSHTAT, I. A. S. Effect of rearing the first generation of hybrids under sharply varying ecological and geographical conditions on the nature of the cleavage. (In Russian.) *Akad. Nauk SSSR. Dok.* 76: 459-460. Jan.21,1951. 511 P444A
Experiments with tomatoes.

- 49742 AKERMAN, A. Die schwedische saatzüchtervereinigung; organisation, methoden und erfolge der pflanzenzüchtung. *Bodenkultur* 4:394-404. 1950. 19 B635
Translated from the English manuscript by Dr. L. M. Kopetz.

- 49743 BALASUBRAHMANYAM, R., and SANTHANAM, V. Inheritance of 'crinkled leaf'—a new abnormal mutant in Asiatic cotton. *Cur. Sci.* 20:45. Feb. 1951. 475 Sci23
- 49744 BALASUBRAHMANYAM, R. A mutant in Asiatic cotton. *Cur. Sci.* 20:73. Mar. 1951. 475 Sci23
- 49745 BATEMAN, A. J. Controlled plant breeding. *Sci. Prog.* [London] 39:239-252. Apr. 1951. 472 Sci22
- 49746 CHIARUGI, A. Polyploidy in the haploid female generation of flowering plants. (In Italian.) *Caryologia* 3:149-155. 1950. 442.8 C25
English summary.
- 49747 GAGNIEU, A. La stérilité pollinique: son déterminisme génétique. *Ann. Biol.* 55:5-20. Ref. Jan. 1951. 442.8 An7
- 49748 GALKA, A.-T. Inheritance of characteristics in watermelons and melons pollinated with a pollen mixture. (In Russian.) *Selek. i Semen.* 17(11):69-71. Nov. 1950. 61.9 Se5
- 49749 GILLES, A., and RANDOLPH, L. F. Reduction of quadrivalent frequency in autotetraploid maize during a period of 10 years. *Amer. J. Bot.* 38:12-17. Ref. Jan. 1951. 450 Am36
- 49750 GUNDY, L. J. Prediction of corn hybrids from single cross data. *Agron. J.* 43:245-246. May 1951. 4 Am34P
- 49751 HARTE, C. Dominanzwechsel bei *Oenothera* als genetisches und entwicklungsphysiologisches problem. Z. f. Induktive Abstam.- u. Vererblehre. 83:318-323. Ref. 1950. 442.8 Z34
- 49752 HITIER, H., and IZARD, C. Contribution à l'étude des tumeurs observées sur certains hybrides de *Nicotiana*. *Acad. des Sci. Compt. Rend.* 232:877-879. Feb. 26, 1951. 505 P21
- 49753 JOHNSON, L. P. V. An introduction to applied biometrics. Minneapolis, Burgess, 1950. 165 p. 251 J632
For use by plant breeders.
- 49754 KELLER, B. A. Scientific philosophy in botany and in plant breeding. (In Russian.) *Akad. Nauk SSSR. Inst. Lesa. Lab. Evoliuts. Ekol. Rast. im. B. A. Kellera.* Trudy 2:10-37. Ref. 1950. 451 Ak13
Chiefly on genetics.
- 49755 KELLER, E. F. Variation and inheritance of characteristics in plants under the influence of environmental factors. (In Russian.) *Akad. Nauk SSSR. Inst. Lesa. Lab. Evoliuts. Ekol. Rast. im. B. A. Kellera.* Trudy 2:76-92. Ref. 1950. 451 Ak13
Experiments with *Papaver somniferum*.
- 49756 KOHLS, H. L. Evaluation tests in 1949 of hybrid 125. *Amer. Soc. Sugar Beet Technol. Proc.* 6: 171-172. 1950. 66.9 Am35
- 49757 KOHLS, H. L. A genetic study of 17 F₂ hybrids and their inbred parents. *Amer. Soc. Sugar Beet Technol. Proc.* 6:165-170. Ref. 1950. 66.9 Am35
- 49758 LANDSKRONA, SWEDEN. WEIBULLSHOLMS VAXTFORADLINGSANSTALT. Weibulls illustrerade årsbok för växtförädling och växtodling [Weibull's illustrated yearbook for plant breeding and plant culture] 46, 1951. Landskrona, 1951. 64 p. 64.9 L232
- 49759 LYSENKO, T. D. Something new in the science of a biological species. (In Russian.) *Selek. i Semen.* 17(11):6-12. Nov. 1950. 61.9 Se5
Includes plant genetics.
- 49760 MCELLIGOTT, J. K. A comparative study of normally occurring polyploidy in several species of *Allium*. (Abs.) *Fordham U. Diss.* 17:12-14. 1950. 241.8 F75
- 49761 MEDVEDEV, P. F. Utilization of phasic developmental differences of the stem in buckwheat breeding [by vegetative propagation]. (In Russian.) *Selek. i Semen.* 17(11):29-32. Nov. 1950. 61.9 Se5
- 49762 MIKHAILOVA, L. V. Evolutionary nature of variability in cabbage. (In Russian.) *Akad. Nauk SSSR. Inst. Lesa. Lab. Evoliuts. Ekol. Rast. im. B. A. Kellera.* Trudy 2:93-115. Ref. 1950. 451 Ak13
- 49763 MILLER, P. A. Use of chromosomal interchanges for investigating the inheritance of oil in the corn kernel. *Agron. J.* 43:229-234. May 1951. 4 Am34P
- 49764 OTAKE, H. Lysenko to sono gakusetsu; nogyo seibutsu-gaku [Lysenko and his theory of agricultural biology]. Tokyo, Nauka Sha, 1950. 384 p. 463 Ot1
- 49765 POMPER, S. Recent developments in yeast genetics. *Wallerstein Lab. Commun.* 14(44):31-41. Ref. Mar. 1951. 390.9 W15
- 49766 ROO, R. DE. L'importance de la polyploidie dans l'agriculture. *Annu. Agr. et Hort.* (1950/51)3:62-65. 1951. 13 An7
In plants.
- 49767 ROTHMALER, W. Rückblick auf die Mitschurin-arbeit für Sachsen-Anhalt 1950. *Deut. Landwirt.* 2: 134-136. Mar. 1951. 18 D4822
- 49768 SAMVIRKENDE LANDBOFORENINGER I FYNS STIFT. PLANTEAVLSUDVALGET. Beretning om planteavlsarbejdet i landboforeningerne i Fyns stift 1950 [Report on the plant breeding work of the agricultural associations in Fyn Province, 1950]. København, 1951. 132 p. 11 F963
- 49769 SAYAR, H. Z. Multigenes and multigenic inheritance in the carpel number character of *Gossypium herbaceum*. *Ithaca? N.Y.*, 1950. 188 p. 463.69 Sa9
- 49770 SCHOENIGER, G. Genetische untersuchungen an *Cucurbita pepo*. *Züchter* 20:321-336. Ref. 1950. 442.8 Z8
- 49771 SCHWANITZ, F. Erbliche vergrößerung des zellvolumens—der entscheidende schritt von der wildart zur kulturpflanze. *Umschau* 51:84-87. Feb. 1951. 474 Um7
- 49772 SCHWANITZ, F., and SCHWANITZ, H. Untersuchungen an polyploiden pflanzen. X. Weitere beiträge zur sexualität polyploider pflanzen. *Züchter* 20:336-346. Ref. 1950. 442.8 Z8
- 49773 SHAITAN, I. M. Effect of developmental conditions of blossom on differences in quality of pollen. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:579-582. Feb. 1, 1951. 511 P444A
Experiments with apple trees.
- 49774 SIMONET, M. Sur la méiose de quelques hybrides d'Iris. II-III. *Acad. des Sci. Compt. Rend.* 232: 875-877, 1236-1238. Feb. 26, Mar. 19, 1951. 505 P21
- 49775 SINITSKAIA, D. A. Results of intergeneric and inter-family vegetative hybridization of some ornamental plants. (In Russian.) *Priroda* 39(9):64-65. Sept. 1950. 410 P933
Experiments with *Nicotiana affinis* and *Petunia* hybrids.
- 49776 SMITH, L. Genetics and cytology of barley. *Bot. Rev.* 17:133-202. (Cont.) Mar. 1951. 450 B6527
- 49777 STANFORD, E. H. Tetrasomic inheritance in alfalfa. *Agron. J.* 43:222-225. Ref. May 1951. 4 Am34P
- 49778 SUNESON, C. A. Male-sterile facilitated synthetic hybrid barley. *Agron. J.* 43:234-236. May 1951. 4 Am34P
- 49779 SWAMINATHAN, M. S. Einige verfahren für die verwendung wilder *Solanum*-arten zu zuchtzwecken. *Züchter* 20:358-360. Ref. 1950. 442.8 Z8
- 49780 TOMATO GENETICS COOPERATIVE. Report No. 1, Mar. 1951. Davis, Div. Truck Crops, U. Calif., 1951. 34 p. Ref. 91.58 T59
- 49781 VASIL'CHENKO, I. I. V. Michurin [In Russian]. Moskva, Akademiia Nauk SSSR, 1950. 405 p. 120 M58Iv
Includes plant genetics.
- 49782 WEIR, A. H. W. Tree genetics. *Estate Mag.* 51:148-150. Apr. 1951. 10 Es8
- 49783 WINGE, O. The relation between yeast cytology and genetics; a critique. *Lab. Carlsberg. Compt. Rend. des Trav. Sér. Physiol.* 25:85-99. Ref. 1951. 390.9 C19A
- 49784 ZIMMERMAN, P. W., and HITCHCOCK, A. E. Rose "sports" from adventitious buds. Boyce Thompson Inst. Contrib. 16:221-224. Jan./Mar. 1951. 451 B69

PHYSIOLOGY

- 49785 AFANASIEV, M. M., MORRIS, H. E., and FRAHM, E. E. Physiology of growth, sugar accumulation and mineral intake of sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:275-277. 1950. 66.9 Am35
- 49786 ALDRICH, D. G., VANSELOW, A. P., and BRADFORD, G. R. Lithium toxicity in citrus. *Soil Sci.* 71:291-295. Apr. 1951. 56.8 So3
Also in *Citrus Leaves* 31(4):12-13. Apr. 1951. 80 C492; *Calif. Citrog.* 36:266, 281. May 1951. 80 C125
- 49787 ALEXANDER, J. T., and CORMANY, C. E. Effects of growth-promoting substances on sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:390-392. 1950. 66.9 Am35
- 49788 AMATO, F. D'. Chlorophyll mutations in barley induced by acridine derivatives. (In Italian.) *Caryologia* 3:211-220. Ref. 1950. 442.8 C25
English summary.
- 49789 ANLEY, G. Scorch: an experiment. *Iris Ybk.* 1951:140-141. 84 Ir4
- 49790 ARUTUNOVA, L. G., and GUBANOV, G. I. A. In regard to the biology of cotton fertilization. (In Russian.) *Agrobiologiya* 1950(6):94-99. Nov./Dec. 1950. 20 Ag822
- 49791 ASEN, S., and LARSON, R. E. Artificial culturing of rose embryos. *Pa. Agr. Expt. Sta. Prog. Rpt.* 40, 4 p. Feb. 1951. 100 P381P
- 49792 ASH, P. R. Experiment to find the effect on the growth of an annual plant (charlock) when flowering is prevented. *Blundell's Sch. Sci. Soc. Mag.* 5:49-52. 1950. 410 B62

- 49793 ASSCHE, V. VAN. La jaunisse de la *Primula obconica*. *Annu. Agr. et Hort.* (1949/50)2:135-136. 1950. 13 An7
- 49794 AVANZI, M. G. Frequency and types of chromosome aberrations induced by some α -naphthalene derivatives. (In Italian.) *Caryologia* 3:165-180. Ref. 1950. 442.8 C25
English summary.
Experiments with onion root tips.
- 49795 AVANZI, M. G. Observations on the cytological activity of some chemical compounds. (In Italian.) *Caryologia* 3:234-248. Ref. 1950. 442.8 C25
English summary.
Experiments with onion roots.
- 49796 BARANOVSKIĬ, P. M. Change in the latex composition of kok-saghyz roots in relation to mineral fertilizers. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:583-586. Ref. Feb.1,1951. 511 P444A
- 49797 BARNEY, C. W. Effects of soil temperature and light intensity on root growth of loblolly pine seedlings. *Plant Physiol.* 26:146-163. Jan.1951. 450 P692
- 49798 BARSHAD, I. Factors affecting the molybdenum content of pasture plants: I. Nature of soil molybdenum, growth of plants, and soil pH. *Soil Sci.* 71:297-313. Ref. Apr.1951. 56.8 So3
- 49799 BARTON, L. V., and HOTCHKISS, J. E. Germination of seeds of *Eichhornia crassipes* Solms. Boyce Thompson Inst. Contrib. 16:215-220. Jan./Mar. 1951. 451 B69
- 49800 BEHM, H. W. Hochzeit der blumen; das Liebesleben der pflanzen im naturbild der landschaft. Hannover, Sponholtz, 1950. 157 p. 463.38 B39
- 49801 BEYLIN, I. G. Effect of environmental factors on plant constitution as exemplified by parasitic plants. (In Russian.) *Akad. Nauk SSSR. Inst. Lesa. Lab. Evoluts. Ekol. Rast. im. B. A. Kellera. Trudy* 2:190-199. Ref. 1950. 451 Ak13
- 49802 BER, A., and MOSKWA, Z. The influence of organic solvents on the growth of plants. *Experientia* 7:136-137. Apr.15,1951. 475 Ex7
- 49803 BERDUCOU, J. Mutation de *Nectria galligena* traité par l'hétéroauxine. *Acad. des Sci. Compt. Rend.* 232:1230-1232. Mar.19,1951. 505 P21
- 49804 BHADURI, S. N. Influence of the numbers of Rhizobium supplied on the subsequent nodulation of the legume host plant. *Ann. Bot. (n.s.)* 15:209-217. Apr.1951. 450 An7
- 49805 BIBER, V. A., and MAGAZINER, K. M. Effect of humic and fulvic [apocrenic and crenic] acids on the respiration of isolated plant tissues. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:609-612. Feb.1,1951. 511 P444A
Experiments with corn.
- 49806 BIEBL, R. Der wasserhaushalt der höheren pflanze. *Gartenbauwirtschaft [Wien]* 1951:18-19. (To be cont.) Jan.25,1951. 80 G1936
- 49807 BIGNOLI, D. P. The effect of early defoliation on lucerne seedlings. *Brit. Grassland Soc. J.* 5:281-286. Dec.1950. 60.19 B773
A study of artificial defoliation comparable to that caused by *Sitona* sp.
- 49808 BITANCOURT, A. A., and ROSSETTI, V. Stimulation of growth of *Phytophthora citrophthora* by a gas produced by *Mucor spinosus*. *Science* 113:531. May 4,1951. 470 Sci2
- 49809 BLANCHARD, F. A., and DILLER, V. M. Uptake of aureomycin through the roots of *Phaseolus lunatus*. *Amer. J. Bot.* 38:111-112. Feb.1951. 450 Am36
Lima beans.
- 49810 BLINKS, L. R., and AIRTH, R. L. The role of electroosmosis in living cells. (Abs.) *Science* 113:474-475. Apr.27,1951. 470 Sci2
Tests with *Nitella*.
- 49811 BOHMONT, D. W. The effects of shale oil on plant growth and development. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:56-57. Oct.1950. 500 C717
- 49812 BOLLE, F. Riesen aus der retorte? *Orion* 6:138-142. Feb.2,1951. 474 Or4
Polyploidy in plants and animals through use of colchicine.
- 49813 BONIS, E. DE. The amount of nitrogen and hydrocarbon in tobacco leaves in relation to time of day they are cut. (In Italian.) *Tabacco* 55:64-72. Feb.1951. 69.8 T115
- 49814 BONNER, J. An analysis of the responses of plants to the length of day. (Abs.) *Science* 113:475. Apr.27,1951. 470 Sci2
- 49815 BONNER, J. The place of plant physiology in agricultural research. *Sci. Mon.* 72:400-402. June 1951. 470 Sci23
- 49816 BORBOLLA Y ALCALA, J. M. R. DE, and BORBOLLA, M. DE LOS A. C. DE R. DE LA. La preparación de soluciones nutritivas para investigaciones de nutrición vegetal. Spain. *Inst. Nac. de Invest. Agron. B.* 10:525-559. Ref. Dec.1950. 105.6 Sp14
- 49817 BORTHWICK, H. A., PARKER, M. W., and RAPPLEYE, L. Azalea experiments; effects of photoperiod on growth and development. *Florists' Rev.* 108 (2787):29-30. Apr.26,1951. 80 W41
- 49818 BRADFELD, R. Plant nutrient research in the decade ahead. *Agron. J.* 43:161-166. Apr.1951. 4 Am34P
- 49819 BRESLAVETS, L. P. Change in form and size of plastids in *Pteris longifolia* prothallia developed under laboratory conditions. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:461-464. Jan.21,1951. 511 P444A
- 49820 BROWN, R. The effects of temperature on the durations of the different stages of cell division in the root-tip. *J. Expt. Bot.* 2(4):96-110. Feb.1951. 450 J8224
Cucurbita used in the experiment.
- 49821 BROYER, T. C. Exudation studies on the water relations of plants. *Amer. J. Bot.* 38:157-162. Ref. Mar.1951. 450 Am36
- 49822 BUNNING, E. Probleme der jahresperiodizität bei den pflanzen. (Sum.) *Angew. Chem.* 63:98. Feb.21, 1951. 384 Z33
- 49823 BURZLAFF, D. F. The effect of extracts from the lichen, *Parmelia molluscula*, upon seed germination and upon growth rate of fungi. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:56. Oct.1950. 500 C717
- 49824 CALVINO, E. M. Researches on the pollen of the genus *Rosa*. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:377-410. Ref. 1951. 16 An76
English summary.
- 49825 CARLES, J. Le métabolisme du calcium chez le châtaignier. *Acad. des Sci. Compt. Rend.* 232:1370-1372. Apr.2,1951. 505 P21
- 49826 CARLONE, R. Effect of treatment with 2,4-dichlorophenoxyacetic acid and other growth substances on preharvest drop of apple and pear varieties. (In Italian.) *Riv. della Ortoflorofrutticoltura. Ital.* 35:57-65. Ref. Mar./Apr.1951. 86 R22
English summary.
- 49827 CASIDA, J. E., and ALLEN, T. C. A laboratory method for evaluating the phytotoxicity or phytostimulation of insecticides. *Science* 113:553-555. May 11,1951. 470 Sci2
- 49828 CAUSES of straighthead, other types of sterility, and pecky rice. *Rice J.* 54(4):22-24. Apr.1951. 59.8 R36
- 49829 CHAMPAGNAT, P. Corrélations d'inhibition chez les plantes. *Ann. Biol.* 54:763-781. Ref. Dec.1950. 442.8 An7
Includes discussion.
- 49830 CHAN, A. P. Some anatomicophysiological studies on the initiation and differentiation of *Chrysanthemum morifolium* flower buds: with particular reference to the mechanism of timed-pinching. *Ohio. State U. Abs. Doct. Diss.* 59:291-296. 1950. 241.8 Oh3
- 49831 CHATTOPADHYAY, H., and BANERJEE, S. Effect of germination on the carotene content of pulses and cereals. *Science* 113:600-601. May 25,1951. 470 Sci2
- 49832 CHEN, S. L. Simultaneous movement of P32 and C14 in opposite directions in phloem tissue. *Amer. J. Bot.* 38:203-211. Ref. Mar.1951. 450 Am36
- 49833 CHIARUGI, A. An Italian as far back as 1889 observed the action of colchicine on mitosis. (In Italian.) *Caryologia* 3:260-262. 1950. 442.8 C25
Work of R. Pernice.
- 49834 CHUBB, W. O. The effect of chemicals on flax. *West. Canad. Weed Control Conf. Proc.* 4:26-33. Apr.1951. 79.9 W522
Includes abstracts from other workers.
- 49835 CIFERRI, R., and MARCELLI, E. Toxic action of mercuric zeolite on tobacco seedlings. (In Italian.) *Tabacco* 55:58-63. Feb.1951. 69.8 T115
- 49836 CLAUSTRES, G. Disparition des cellules bulliformes chez *Poa pratensis* par traitement phytohormonal. *Acad. des Sci. Compt. Rend.* 232:1234-1236. Mar.19,1951. 505 P21
- 49837 COIC, Y., and COPPENET. La carence en manganèse de l'orge. *Acad. d'Agr. de France. Compt. Rend.* 37:103-105. Jan.24/31,1951. 14 P215Bc
- 49838 COIC, Y., and COPPENET. Experience sur la carence en manganèse de l'avoine: existence d'une période critique. *Acad. d'Agr. de France. Compt. Rend.* 37:106-107. Jan.24/31,1951. 14 P215Bc

- 49839 COOPER, H. P., PADEN, W. R., and MITCHELL, J. H. Differential in the nutrient content of calcium accumulating cotton plants and the silicon accumulating wheat plants. Internatl. Cong. Soil Sci. Trans. 4(1):236-239. 1950. 56.09 In844
- 49840 CORNS, W. G. How herbicidal chemicals act that way. West. Canad. Weed Control Conf. Proc. 4:111-114. Apr.1951. 79.9 W522
- 49841 COUPLAND, R. T., and ALEX, J. F. Root studies of perennial weeds. West. Canad. Weed Control Conf. Proc. 4:128-131. Ref. Apr.1951. 79.9 W522
- 49842 CRANE, J. C., and BLONDEAU, R. Hormone-induced parthenocarpy in the Calimyrna fig and a comparison of parthenocarpic and caprifig syconia. Plant Physiol. 26:136-145. Jan.1951. 450 P692
- 49843 CUMMING, H. W., and MITCHELL, K. J. Application of the xenon arc-discharge to experiments in crop physiology. Nature [London] 167:567-568. Apr.7,1951. 472 N21
- 49844 DARLINGTON, C. D., and MCLEISH, J. Action of maleic hydrazide on the cell. Nature [London] 167:407-408. Mar.10,1951. 472 N21
- 49845 DAVID, R., and SECHET, J. Nouvelles observations sur la vernalisation du blé et de l'orge. Acad. d'Agr. de France. Compt. Rend. 37:45-48. Jan.10/17, 1951. 14 P215Bc
- 49846 DAVIDSON, J. G. The effect of chemicals on oats. West. Canad. Weed Control Conf. Proc. 4:11-18. Apr.1951. 79.9 W522
- Includes abstracts from other workers.
- 49847 DAVISON, R. M., and CEDERMAN, J. A. Hormone sprays to reduce pre-harvest drop of sweet oranges. Orchardist New Zeal. 24(2):3-4. Mar.5,1951. 80 Or19
- 49848 DEMOLON, A. Croissance des végétaux cultivés. Ed. 4. Paris, Dunod, 1950. 477 p. (Principes d'Agronomie. t.2) 463.3 D39
- 49849 DEYSSON, G., and ROLLEN, A. Action mitostatique de la diéthylmalonylurée (véronal) chez l'*Allium cepa* L. Acad. des Sci. Compt. Rend. 232:873-875. Feb.26,1951. 505 P21
- 49850 DOLGOSHOV, V. I. Blooming of sweet clover. (In Russian.) Pchelovodstvo 27:490. Sept.1950. 424.8 P295
- 49851 DOWNIE, A. R., and SWINK, J. F. A report on nutrient spray tests on sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:393-395. 1950. 66.9 Am35
- Minor elements.
- 49852 DOXEY, D. The effects of iso-propyl phenyl carbamate (I.P.P.C.), 4-chloro 2-methyl phenoxyacetic acid (MCPA, "methoxone") and gamma benzene hexachloride on mitosis. Internatl. Cong. Crop Protect. Abs. Commun. 2:36-37. 1949. 464.9 In832
- 49853 EIDMANN, F. E. Investigations on root respiration of 15 European tree species characterizing their pioneer quality in virgin soils. World Forestry Cong. Proc. 3(3):22-25. 1949, pub.1950. 99.9 C76912A
- 49854 EREMENKO, L. L. On difference in quality of blossoms and seeds in the carrot umbel. (In Russian.) Agrobiologiya 1950(6):123-127. Nov./Dec.1950. 20 Ag822
- 49855 ERICKSON, L. C. Overtreatment with 2,4-D. Citrus Leaves 31(4):14. Apr.1951. 80 C492
- Also in Calif. Citrog. 36:268. May 1951. 80 C125
- 49856 ERYGIN, P. S. Fiziologicheskie osnovy orosheniya risa [Physiological principles of rice irrigation]. Moskva, Akademiya Nauk SSSR, 1950. 207 p. 463.3 Er9
- 49857 FELDMAN, J., and FELDMAN, G. Sur un champignon vivant dans les sporogones de l'*Anthraceros loevis* L. Rev. Bryologique et Lichénologique (n.s.):19:224-228. Ref. 1950. 450 R325
- 49858 FIDLER, J. C. A comparison of the aerobic and anaerobic respiration of apples. J. Expt. Bot. 2(4):41-64. Ref. Feb.1951. 450 J8224
- 49859 FILIPPOV, A. V. Effect of insufficient light intensity on carbohydrate and protein content in leaves and developing spikes of spring wheats. (In Russian.) Akad. Nauk SSSR. Dok. 75:135-136. Nov.1,1950. 511 P444A
- 49860 FISCHER, H. Über protoplasmatische Veränderungen beim altern von pflanzenzellen. Protoplasma 39:661-676. Ref. 1950. 442.8 P94
- 49861 FOSTER, J. R. The effect of chemicals on barley. West. Canad. Weed Control Conf. Proc. 4:19-26. Apr.1951. 79.9 W522
- Includes abstracts from other workers.
- 49862 FRAKES, M. G., and CHILDS, A. Tracing during the growing season the nitrogen, phosphate, potash and refractometer solids of beets from plots receiving varying amounts of nitrogen. Amer. Soc. Sugar Beet Technol. Proc. 6:332-333. 1950. 66.9 Am35
- 49863 FULTS, J. L., and others. Intensification of red skin color in Red McClure potatoes by use of the sodium salt of 2,4-D. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:62. Oct.1950. 500 C717
- L. A. Schaal, N. Landbloom, and M. G. Payne, joint authors.
- 49864 GALINAT, W. C., and NAYLOR, A. W. Relation of photoperiod to inflorescence proliferation in *Zea mays* L. Amer. J. Bot. 38:38-47. Ref. Jan.1951. 450 Am36
- 49865 GALSTON, A. W., and BAKER, R. S. Studies on the physiology of light action. III. Light activation of a flavoprotein enzyme by reversal of a naturally occurring inhibition. Amer. J. Bot. 38:190-195. Ref. Mar. 1951. 450 Am36
- 49866 GAUTHERET, R. J. La culture des tissus végétaux et les phénomènes d'histogénèse. Ann. Biol. 54:719-744. Dec.1950. 442.8 An7
- Includes discussion.
- 49867 GELLER, I. A., and KHARITON, E. G. Reasons for varied effect of Azotobacter on different varieties of sugar beets. (In Russian.) Akad. Nauk SSSR. Dok. 75:127-130. Ref. Nov.1,1950. 511 P444A
- 49868 GENKEL', P. A., and MARGOLINA, K. P. On protoplasm viscosity and heat resistance of vegetative and reproductive organs in plants. (In Russian.) Akad. Nauk SSSR. Dok. 76:587-590. Ref. Feb.1,1951. 511 P444A
- Includes experiments with grain.
- 49869 GLOVER, P. E. The root systems of some British Somaliland plants. II. East African Agr. J. 16:154-162. Jan.1951. 24 Ea74
- 49870 GODNEV, E. D. Capability of Pinus to regenerate its trunk. (In Russian.) Lesn. Khoz. 3(9):53-55. Sept.1950. 99.8 L5622
- 49871 GOLUBINSKIĬ, I. N. Effect of admixture of pollen from surrounding plants on pollen germination. (In Russian.) Akad. Nauk SSSR. Dok. 76:591-592. Feb.1, 1951. 511 P444A
- 49872 GOLUBINSKIĬ, I. N. Influence of seeds on each other during germination. (In Russian.) Priroda 39(10):58-59. Ref. Oct.1950. 410 P933
- Chiefly on stimulation of vegetable seeds.
- 49873 GORDON, S. A., and WEBER, R. P. Colorimetric estimation of indoleacetic acid. Plant Physiol. 26:192-195. Jan.1951. 450 P692
- 49874 GREENWOOD, R. M. Physiological studies on the germination and early seedling growth of clovers. New Zeal. Grassland Conf. Papers 12:99-106. 1950. 60.19 N48
- 49875 GUZMAN, V. L. Estudio de las características vegetativas de frijoles cultivados en un medio deficiente en algunos elementos menores. Agronomía [Lima] 15(64):23-34. Ref. Dec.1950. 9.8 Ag83
- 49876 HAC, L. R., WALKER, A. C., and DOWLING, B. B. The effect of fertilization on the glutamic acid content of sugar beets in relation to sugar production. I. Amer. Soc. Sugar Beet Technol. Proc. 6:401-411. 1950. 66.9 Am35
- 49877 HADDOCK, J. L. Nutritional status of sugar beets as revealed by chemical analyses of petioles. Amer. Soc. Sugar Beet Technol. Proc. 6:334-347. Ref. 1950. 66.9 Am35
- 49878 HAINES, F. M. The dynamics of cell expansion by turgor. Ann. Bot. (n.s.):15:219-220. Apr.1951. 450 An7
- 49879 HARRIS, W. B. Copper deficiency of fruit trees. So. Austral. Dept. Agr. J. 54:277-279. Jan.1951. 23 So84
- 49880 HARTT, C. E. The assimilation of radioactive carbon dioxide by leaves of the sugar cane plant. (Abs.) Hawaii. Acad. Sci. Proc. 25:6. 1949/50, pub.1950. 500 H31A
- 49881 HASMAN, M. The action of 6-amino undecane on wheat seedlings. Experientia 7:137-138. Apr.15,1951. 475 Ex7
- 49882 HATCHER, E. S. J. The use and effect of plant growth regulators in rootstock propagation. Internatl. Cong. Crop Protect. Abs. Commun. 2:80-81. 1949. 464.9 In832
- 49883 HEATH, O. V. S. Response of stomata to subnormal carbon dioxide concentrations. J. Expt. Bot. 2(4):110. Feb.1951. 450 J8224
- 49884 HEATH, O. V. S., and RUSSELL, J. The wheat-stone bridge porometer. J. Expt. Bot. 2(4):111-116. Ref. Feb.1951. 450 J8224
- 49885 HELLINGA, F. Water management. (In Dutch.) Fruitteelt 41:148-150. Mar.1,1951. 86 N28
- Plants and soils.
- 49886 HERRMANN, S. Heteroplastische transpirationen bei holzpflanzen. Naturwissenschaften 38:101. Feb.15,1951. 474 N213

- 49887 HIDALGO FERNANDEZ-CANO, L. Neoplasias de origen químico provocadas en estaquillas de 161-49 de Couderc. Spain. Inst. Nac. de Invest. Agron. B. 10: 625-630. Dec.1950. 105.6 Sp14
Effect of different chemicals on grapes.
- 49888 HITCHCOCK, A. E., and ZIMMERMAN, P. W. A quantitative method of measuring response of plants to growth regulators. Boyce Thompson Inst. Contrib. 16:225-248. Ref. Jan./Mar.1951. 451 B69
- 49889 HOFER, K. New facts on water permeability. Protoplasma 39:677-683. Ref. 1950. 442.8 P94
In plants.
- 49890 HOLKESVIG, O. A. Effects of 2,4-D on sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:456-458. 1950. 66.9 Am35
- 49891 HOLLIS, J. P. Bacteria in healthy potato tissue. Phytopathology 41:350-366. Ref. Apr.1951. 464.8 P56
- 49892 HOLT, A. S., SMITH, R. F., and FRENCH, C. S. Dye reduction by illuminated chloroplast fragments. Plant Physiol. 26:164-173. Ref. Jan.1951. 450 P692
Leaves of Swiss chard and spinach used in the experiment.
- 49893 HOPF, P. P., and HEY, G. L. Some experiments with phytotherapeutics. Internatl. Cong. Crop Protect. Abs. Commun. 2:103-106. 1949. 464.9 In832
- 49894 HYDE, B. Forsythia polyploids. Arnold Arboretum. J. 32:155-156. Apr.1951. 451 Ar6J
- 49895 IAKOVLEVA, V. V. Effect of boron on the conversion of phosphorus combinations in plants. (In Russian.) Akad. Nauk SSSR. Dok. 75:95-98. Ref. Nov.1, 1950. 511 P444A
Experiments with sunflower seedlings.
- 49896 IVANOVSKIĬ, D. I. On chlorophyll in living chloroplasts. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 1950(6):54-60. Nov./Dec.1950. 511 Sa2B
- 49897 JAMESON, H. R., and CALLAN, I. W. M. Effect of gamma-BHC seed dressings on the germination of cereals. Nature [London] 167:490. Mar.24,1951. 472 N21
- 49898 JOHAM, H. E. The nutritional status of the cotton plant as indicated by tissue tests. Plant Physiol. 26:76-89. Ref. Jan.1951. 450 P692
- 49899 JOHNSON, C. M., STOUT, P. R., and PEARSON, G. A. Constant-temperature baths for use in freezing-point measurements. Plant Physiol. 26:196-197. Jan. 1951. 450 P692
- 49900 JONES, E. W. Production in potato of leaf symptoms observed on plants on acid soils together with associated tuber necrosis. Nature [London] 167:568-569. Ref. Apr.7,1951. 472 N21
- 49901 JONES, M. D., and BROWN, J. G. Pollination cycles of some grasses in Oklahoma. Agron. J. 43:218-222. May 1951. 4 Am34P
- 49902 JONES, M. W., KIVEL, B., and BLESS, A. A. The bioelectric potential of seeds as a function of growth and of X-ray dosage. Plant Physiol. 26:19-29. Jan.1951. 450 P692
- 49903 JUDAH, J. D., and WILLIAMS-ASHMAN, H. G. The mode of action of nitrated phenols. Internatl. Cong. Crop Protect. Abs. Commun. 2:53-54. 1949. 464.9 In832
- 49904 KEENER, P. D. Mycoflora of buds. II. Results of histological studies of non-irradiated buds of certain woody plants. Amer. J. Bot. 38:105-110. Ref. Feb.1951. 450 Am36
- 49905 KELLY, S., and AVERY, G. S., JR. The age of pea tissue and other factors influencing the respiratory response to 2,4-dichlorophenoxyacetic acid and dinitro compounds. Amer. J. Bot. 38:1-5. Ref. Jan.1951. 450 Am36
- 49906 KHANNA, K. L., and SEN, S. C. Studies in the effects of water-logging on the biochemistry of sugarcane plant. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.2):46-47. 1951. 65.9 C766
- 49907 KHOLODNYĬ, N. G. Soil atmosphere as a source of organic nutritive substances for plants. (In Russian.) Pochvovedenie 1951:16-29. Ref. Jan.1951. 57.8 P34
Experiments with corn and blue lupine roots.
- 49908 KHOLODNYĬ, N. G. Soil atmosphere in root nutrition. (In Russian.) Akad. Nauk SSSR. Dok. 76:141-144. Jan.1,1951. 511 P444A
- 49909 KLAPTSOVA, N. K. New method of obtaining culture of smut fungus *Ustilago tritici* (Pers.) Rostr. (In Russian.) Bot. Zhur. 35:512-513. Sept./Oct.1950. 451 R929
- 49910 KLOEN, D. Yarovization of rape seed. (In Dutch.) Plattelands-Post 7(3):7. Jan.20,1951. 12 P69
- 49911 KOZHEVNIKOV, A. V. Vesna i osen' v zhizni rastenii [Spring and autumn in the life of plants]. Ed. 2. Moskva, Moskovskoe ob-vo Ispytatelei Prirody, 1950. 237 p. (Moskovskoe Obshchestvo Ispytatelei Prirody. Sredi Prirody. vyp. 24) 463.84 K84
- 49912 KRAMER, P. J. Effects of respiration inhibitors on accumulation of radioactive phosphorus by roots of loblolly pine. Plant Physiol. 26:30-36. Jan.1951. 450 P692
- 49913 KROTKOV, G., WILSON, D. G., and STREET, R. W. Acid metabolism of McIntosh apples during their development on the tree and in cold storage. Canad. J. Bot. 29:79-90. Ref. Feb.1951. 470 C16C
- 49914 KRYZHANOVSKIĬ, K. V. Quercus growth and the light regime. (In Russian.) Agrobiologiya 1950(6):70-77. Nov./Dec.1950. 20 Ag822
Effect of solar radiation.
- 49915 KUPERMAN, F. M. On the development of barleys of intermediate type, *Hordeum intermedium* Vav. et Orl. from subspecies *Hordeum vulgare* L. and *H. distichum* L. (In Russian.) Akad. Nauk SSSR. Dok. 75: 131-133. Nov.1,1950. 511 P444A
Explained on the basis of Lysenko's theory of phasic development of plants.
- 49916 LAL, K. N., and MEHROTRA, O. N. Studies in crop physiology. Indian Acad. Sci. Proc. Sect. B. 32:179-204,252-268. Ref. Nov.-Dec.1950. 513 In25B
Physiology of sugarcane.
- 49917 LAL, K. N., DE, R., and RAO, M. S. S. Studies in crop physiology. Effect of nitrogen, phosphorus and potassium deficiencies on respiration rate of sugarcane leaves. Indian Acad. Sci. Proc. Sect. B 33:1-13. Ref. Jan.1951. 513 In25B
- 49918 LANGSTON, R. Effects of different concentrations of nitrate on the growth and vitamin content of oat plants. Plant Physiol. 26:115-122. Ref. Jan.1951. 450 P692
- 49919 LAWNICZAK, SISTER M. J. A comparative study of the cytological effects of colchicine and naphthalene acetic acid on the bulb roots and seedling roots and shoots of *Allium cepa*. (Abs.) Fordham U. Diss. 17:10-11. 1950. 241.8 F75
- 49920 LECAT, P. La question des hormones végétales, leurs applications en agriculture. Agr. Prat. 115: 185-188. Apr.1951. 14 J82
- 49921 LEGGETT, H. W. The effect of chemicals on legumes. West. Canad. Weed Control Conf. Proc. 4:34-44. Apr.1951. 79.9 W522
Includes abstracts from other workers.
- 49922 LEVINE, M. The effect of growth substances and chemical carcinogens on fibrous roots of carrot tissue grown in vitro. Amer. J. Bot. 38:132-138. Feb. 1951. 450 Am36
- 49923 LINDNER, E. Zellphysiologische resistenzuntersuchungen an ruderal-, wiesen- und kulturpflanzen. Protoplasma 39:507-534. Ref. 1950. 442.8 P94
Resistance to solutions containing potassium and calcium and also sugar solutions.
- 49924 LOHNIS, M. P. Manganese toxicity in beans. Internatl. Cong. Soil Sci. Trans. 4(1):226. 1950. 56.09 In844
- 49925 LUCKWILL, L. C. The effect of growth substances applied at full bloom on fruit set and fruit drop in the apple. Internatl. Cong. Crop Protect. Abs. Commun. 2:84. 1949. 464.9 In832
- 49926 MAERCKE, D. VAN. Elements mineurs et maladies de carence. Annu. Agr. et Hort. (1950/51)3:58-62. 1951. 13 An7
In plants.
- 49927 MAKSIMOV, N. A. D. I. Ivanovskii as a plant physiologist. (In Russian.) Mikrobiologiya 19:499-505. Nov./Dec.1950. 448.3 M582
- 49928 MAKSIMOV, N. A. Kak zhivët rastenie [How the plant lives]. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 100 p. 463.36 M28
- 49929 MANTEIFEL', A. IÄ., ZHUKOVA, A. I., and DEM'ANOVA, E. K. Study of microflora of oak rhizosphere. (In Russian.) Mikrobiologiya 19:547-556. Ref. Nov./Dec.1950. 448.3 M582
- 49930 MER, C. L. A critical study of the auxin theory of growth regulation in the mesocotyl of *Avena sativa*. Ann. Bot. (n.s.)15:179-207. Ref. Apr.1951. 450 An7
- 49931 MILLER, E. V. Physiological studies of the fruits of the pineapple [*Ananas comosus* (L.) Merr.] with special reference to physiological breakdown. Plant Physiol. 26:66-75. Jan.1951. 450 P692
- 49932 MILLER, M. S. In regard to distribution of absorbed nitrogen among the shoots in the spring wheat plant. (In Russian.) Bot. Zhur. 35:469-474. Ref. Sept./Oct.1950. 451 R929

- 49933 MITSCHERLICH, E. A. Pflanzenphysiologische boden- und klima-untersuchungen. Ed. 2. Halle, Niemeyer, 1950. 16 p. 463.8 M69
- 49934 MONNOT, M. B. Une nouvelle application des hormones végétales. Agriculture [Paris] 15:73. Mar. 1951. 14 Ag823
- Also in Agro d'Angers 29:118-119. Apr. 1951. 105.3 An4
- 49935 MOON, H. H., REGEIMBAL, L. O., and HARLEY, C. P. Does nitrogen affect red color development in bud sports? Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:119-121. 1950. 81 C91
- In apples.
- Also in N. J. State Hort. Soc. Hort. News 32:2378, 2382. Mar. 1951. 81 N46
- 49936 MOREL, G., and WETMORE, R. H. Fern callus tissue culture. Amer. J. Bot. 38:141-143. Ref. Feb. 1951. 450 Am36
- 49937 MOREL, G., and WETMORE, R. H. Tissue culture of monocotyledons. Amer. J. Bot. 38:138-140. Feb. 1951. 450 Am36
- 49938 MOROZOV, V. F. Water regime of grapes under arid conditions of the dryland in Middle Asia. (In Russian.) Akad. Nauk SSSR. Dok. 76:731-734. Feb. 11, 1951. 511 P444A
- 49939 MORRISON, F. O. The effects of hexachlorocyclohexane added to the soil on seed germination, crop growth and barley yield. Quebec Soc. Protect. Plants. Rpt. 31:122-126. Dec. 31, 1950. 464.9 Q3
- 49940 MOSHKOV, B. S. Effect of spectral composition of radiant energy on growth of strawberries and Bryophyllum. (In Russian.) Akad. Nauk SSSR. Dok. 76:593-596. Feb. 1, 1951. 511 P444A
- 49941 MULLARD, S. R. Growing plants without soil. Country Life [London] 109:104-105. Jan. 12, 1951. 80 C83
- 49942 NEISH, A. C. Carbohydrate nutrition of *Chlorella vulgaris*. Canad. J. Bot. 29:68-78. Ref. Feb. 1951. 470 C16C
- 49943 NELSON, R. T. Effect of some growth-regulating substances on sugar beet development. Amer. Soc. Sugar Beet Technol. Proc. 6:396-400. 1950. 66.9 Am35
- 49944 NYSTERAKIS, F. Rôle de l'organe traité par l'hétéroauxine dans le déclenchement d'une courbure. Acad. des Sci. Compt. Rend. 232:1005-1007. Mar. 5, 1951. 505 P21
- In grape tendrils.
- 49945 OEHLKERS, F., and MARQUARDT, H. Die auslösung von chromosomenveränderungen durch injektion wirksamer substanzen in die knospen von *Paeonia tenuifolia*. Z. f. Induktive Abstam.- u. Vererblehre. 83:299-317. Ref. 1950. 442.8 Z34
- Buds treated with solution of m/20 ethylurethane + m/200 KC1. Includes observations on effects of X rays on meiosis.
- 49946 OKNINA, E. Z., and MARKOVICH, A. A. Methods for increasing the frost resistance of *Rosa gallica* L. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 1951(1):107-114. Ref. Jan./Feb. 1951. 511 Sa2B
- 49947 OLSON, P. J. The effect of chemicals on wheat. West. Canad. Weed Control Conf. Proc. 4:1-11. Apr. 1951. 79.9 W522
- Includes abstracts from other workers.
- 49948 OSBORNE, D. J., and WAIN, R. L. The effect of substitution in the side chain of certain aryloxy-acetic acids on growth-regulating activity. Internatl. Cong. Crop Protect. Abs. Commun. 2:20. 1949. 464.9 In832
- 49949 OSBORNE, D. J., and WAIN, R. L. Experiments with growth substances for the setting of parthenocarpic pears. Internatl. Cong. Crop Protect. Abs. Commun. 2:84-85. 1949. 464.9 In832
- 49950 OZEROV, G. V., and PAVLOV, A. N. After-effect of low temperatures on growth of quayule plants developed on soils with moisture variations. (In Russian.) Akad. Nauk SSSR. Dok. 76:597-600. Feb. 1, 1951. 511 P444A
- 49951 OZOL, A. M. Cold resistance and some other ecological and physiological properties of species of *Juglans* genus. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Lab. Evoluts. Ekol. Rast. im. B. A. Kellera. Trudy 2:142-168. Ref. 1950. 451 Ak13
- 49952 PAECH, K. Biochemie und physiologie der sekundären pflanzenstoffe. Berlin, Springer, 1950. 268 p. (Lehrbuch der Pflanzenphysiologie 1. Bd., 2. T.) 463.34 P13
- 49953 PAINTER, J. H. More about walnut shrivel. Oreg. State Hort. Soc. Proc. 65:134-137. 1950. 81 Or32
- 49954 PALMER, C. B. The function of roots. Austral. Junior Farmer 3(3):3-5. Jan./Feb. 1951. 23 Au782
- 49955 PALMER, E. L. Some flavors and scents. Nat. Mag. 44:249-256. May 1951. 409.6 N214
- 49956 PARMENTIER, G. Symptômes de carence chez la chicorée witloof. Parasitica 6:113-116. 1950. 464.8 P21
- 49957 PLANT, W. The control of "whiptail" in broccoli and cauliflower. J. Hort. Sci. 26:109-117. Ref. Mar. 1951. 80 J825
- 49958 PODDUBNAÏA-ARNOL'DI, V. A. In regard to di- and polyspermy in higher plants. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 1951(1):3-30. Ref. Jan./Feb. 1951. 511 Sa2B
- 49959 POLIAKOV, I. M., and MIKHAYLOVA, P. V. Growth of pollen tubes in various parts of the pistil and selective pollination. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 1951(1):31-55. Ref. Jan./Feb. 1951. 511 Sa2B
- Experiments with tobacco varieties.
- 49960 POLIAKOV, I. M. History of the discovery of dichogamy and role of Russian scientists in this discovery. (In Russian.) Uspekhi Sovrem. Biol. 30:291-306. Ref. Sept./Oct. 1950. 442.8 Er3
- 49961 POLSTER, H. Die physiologischen grundlagen der stoffherzeugung im walde; untersuchungen über assimilation, respiration und transpiration unserer hauptholzarten. München, Bayerischer Landwirtschaftsverlag, 1950. 96 p. 463.3 P76
- 49962 PRICE, C., STEWART, W. S., and ERICKSON, L. C. Some effects of plant growth regulators on bolting and other responses of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:130-136. 1950. 66.9 Am35
- 49963 PRITCHETT, W. L., and NELSON, L. B. The effect of light intensity on the growth characteristics of alfalfa and brome grass. Agron. J. 43:172-177. Ref. Apr. 1951. 4 Am34P
- 49964 PULLIN, A. DE M., and RUSSO, A. The use of 2,4-D to obtain seedless tomatoes. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:32-42. Jan./Feb. 1951. 9.2 R324
- 49965 RAALTE, M. H. VAN. Root formation by the petioles of *Ageratum houstonianum* Mill. as a test for auxin activity in tropical countries. Bogor. Bot. Gard. Ann. Bogorienses 1:13-26. Ref. Oct. 1950. 451 B63
- 49966 RAGGIO, M., and MORO DE RAGGIO, N. Recientes aplicaciones biológicas y químicas de derivados del tetrazol. Cien. e Invest. 7:35-39. Ref. Jan. 1951. 475 C482
- Use in determination of viability of seeds.
- 49967 RAINERI, C. What the plants say with radioactive tracers. (In Italian.) B. dell'Agr. 85(6):2-3. Mar. 23, 1951. 16 B87
- 49968 RANJAN, S., and KAUR, R. Hormone induced parthenocarp in *Hibiscus esculentum* and *Solanum melongena*. Cur. Sci. 20:69-70. Mar. 1951. 475 Sci23
- 49969 RAUTANEN, N., and MIKKULAINEN, P. On the phosphorus fractions and the uptake of phosphate by low-phosphorus *Torulopsis utilis*. Acta Chem. Scand. 5:89-96. 1951. 385 Ac82
- 49970 RAWLINGS, C. O., PAINTER, J. H., and MILLER, P. W. Importance of black-line in certain Oregon walnut orchards. Oreg. State Hort. Soc. Proc. 65:150-151. 1950. 81 Or32
- 49971 REESE, E. T., and DOWNING, M. H. Activity of the Aspergilli on cellulose, cellulose derivatives, and wool. Mycologia 43:16-28. Jan./Feb. 1951. 450 M99
- 49972 REGEIMBAL, L. O., MOON, H. H., and HARLEY, C. P. An attempt at controlling Stayman crackling. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:111-112. 1950. 81 C91
- 49973 REICHERT, I. Experiments in hormone control of flower-drop in tomatoes. Internatl. Cong. Crop Protect. Abs. Commun. 2:82-83. 1949. 464.9 In832
- 49974 REITZ, H. J. A study of certain factors affecting the acidity of Florida grapefruit following arsenic sprays. Ohio. State U. Abs. Doct. Diss. 60:249-254. Spring Q. 1948/49. 241.8 Oh3
- 49975 REMPE, E. KH., and SOROKINA, T. A. On penetration of bacteria into root cells. (In Russian.) Agrobiologiya 1950(6):135-138. Nov./Dec. 1950. 20 Ag822
- Microscopic investigation of flax and wheat root.
- 49976 REUTSKII, F. V. Difference in quality of potato tubers from the very same plants. (In Russian.) Selekt. i Semen. 17(11):33-36. Nov. 1950. 61.9 Se5
- Caused by temperature, precipitation, etc. during period of growth.
- 49977 RHODES, A., TEMPLEMAN, W. B., and THRUSTON, N. M. The effect of the plant growth regulator, 4-chloro 2-methyl phenoxyacetic acid (MCPA, "methoxone") on the mineral and nitrogen contents of plants. Internatl. Cong. Crop Protect. Abs. Commun. 2:32-33. 1949. 464.9 In832

- 49978 ROBBINS, W. J., and MCVEIGH, I. Observations on the inhibitory action of hydrolyzed agar. *Mycologia* 43:11-15. Jan./Feb.1951. 450 M99
Experiments with *Trichophyton mentagrophytes*.
- 49979 ROBERTS, A. N., and HANSEN, E. Effects of 2,4,5-T sprays on color development and ripening of apples, peaches and pears. *Oreg. State Hort. Soc. Proc.* 65:43-44. 1950. 81 Or32
- 49980 ROBERTS, D. W. A. Some effects of ethylene on germinating wheat. *Canad. J. Bot.* 29:10-25. Ref. Feb.1951. 470 C16C
- 49981 ROBERTS, H. A. Selective herbicides for leguminous crops. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:54-55. 1949. 464.9 In832
- 49982 ROHDE, G. Bor und wuchsstoffe. *Deut. Landwirt.* 2:208-211. Ref. Apr.1951. 18 D4822
- 49983 ROTOR, G., JR. Daylength and temperature in relation to flowering in orchids. *Amer. Orchid Soc. B.* 20:210-214. Apr.1951. 80 Am329
- 49984 ROTOR, G., JR., and MACDANIELS, L. H. Flower bud differentiation and development in *Cattleya labiata* Lindl. *Amer. J. Bot.* 38:147-152. Feb.1951. 450 Am36
- 49985 RUBIN, B. A. Role of metabolism in interrelations of organism and environment. (In Russian.) *Akad. Nauk SSSR. Izv. Ser. Biol.* 1950(6):61-76. Nov./Dec.1950. 511 Sa2B
Observations on plants.
- 49986 RUBTSOV, N. I. New data on the growing together of root systems of some forest species. (In Russian.) *Agrobiologifā* 1950(6):57-65. Nov./Dec.1950. 20 Ag822
- 49987 RYSER, G. K., STOUT, M., and OWEN, F. V. Bolting in annual beets induced by one-half hour supplemental illumination during long winter nights. *Amer. Soc. Sugar Beet Technol. Proc.* 6:155. 1950. 66.9 Am35
- 49988 SALA ROQUETA, R. La floración tardía del manzano en el litoral extremo sur de Cataluña. *Balearic Isl. Diputación Prov. B. de Agr.* 77:4-6. Feb.1951. 15 B19
- 49989 SAVITSKY, H. A method of determining self-fertility and self-sterility in sugar beets, based upon the stage of ovule development shortly after flowering. *Amer. Soc. Sugar Beet Technol. Proc.* 6:198-201. 1950. 66.9 Am35
- 49990 SCHENK, P. J. Whiptail and borers of cauliflower. (In Dutch.) *Groenten en Fruit* 6:600-601. Feb. 22,1951. 80 G89
- 49991 SCHINDLER. Über die blüte. *Gartenbauwirtschaft [Wien]* 1951:23. (Cont.) Jan.25,1951. 80 G1936
- 49992 SCHNEIDER, H., FOOTE, F., and MASTERS, L. C. New angle on collapse [of lemons]. *Citrus Leaves* 31:10-11,35. Apr.1951. 80 C492
- 49993 SCHOPFER, W. H. Les régulateurs vitaminiques et leur équilibre dans la cellule. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:17-18. 1949. 464.9 In832
- 49994 SEEMANN, F. Der einfluss der wärme und UV-bestrahlung auf die wasserpermeabilität des protoplasmas. *Protoplasma* 39:535-566. Ref. 1950. 442.8 P94
Experiments with *Maianthemum bifolium* and *Convallaria majalis*.
- 49995 SEMIKHATOVA, O. A. Interrelationship of respiration and water-retentive capacity of plant leaves. (In Russian.) *Bot. Zhur.* 35:461-468. Ref. Sept./Oct. 1950. 451 R929
Experiments with oats.
- 49996 SERGEEV, L. I. Theory of phasic development - fundamental law of plant physiology. (In Russian.) *Uspekhi Sovrem. Biol.* 30:357-371. Ref. Nov./Dec.1950. 442.3 Er3
- 49997 SHIELDS, L. M. Leaf xeromorphy in dicotyledon species from a gypsum sand deposit. *Amer. J. Bot.* 38:175-190. Ref. Mar.1951. 450 Am36
- 49998 SHOJI, K., ADDICOTT, F. T., and SWETS, W. A. Auxin in relation to leaf blade abscission. *Plant Physiol.* 26:189-191. Jan.1951. 450 P692
- 49999 SLATTER, E. M. The culture of *Iris* embryos on nutrient agar. *Kew B.* 1950:425-430. 451 K51B
- 50000 SKRIPITSYNA, N. E. Effect of 2,4-dichlorophenoxyacetic acid on tomatoes during variations of mineral nutrition. (In Russian.) *Akad. Nauk SSSR. Dok.* 75:457-460. Nov.21,1950. 511 P444A
- 50001 SMITH, D. C., and NIELSEN, E. L. Comparisons of clonal isolations of *Poa pratensis* L. from good and poor pastures for vigor, variability, and disease reactions. *Agron. J.* 43:214-218. May 1951. 4 Am34P
- 50002 SMITH, P. F., and REUTHER, W. The response of young Valencia orange trees to differential boron supply in sand culture. *Plant Physiol.* 26:110-114. Ref. Jan.1951. 450 P692
- 50003 SOMERS, G. F. The influence of light, temperature, and some enzyme poisons upon the total organic acid content of leaf tissue of *Kalanchoe daigremontiana* (Hamet and Perrier). *Plant Physiol.* 26:1-18. Ref. Jan.1951. 450 P692
- 50004 SRIVASTAVA, T. N. Studies of the differential toxicity of herbicides to tree species. *Indian Forester* 77:109-117. Feb.1951. 99.8 In2
- 50005 STEENBJERG, F. On the relative contents of plant nutrients in crops. *Internatl. Cong. Soil Sci. Trans.* 4(1):254-258. 1950. 56.09 In844
- 50006 STEINBERG, R. A. Influence of acidity, calcium and magnesium on growth of *Xanthi* tobacco in water-culture. *Plant Physiol.* 26:37-44. Jan.1951. 450 P692
- 50007 STEWARD, F. C., and CAPLIN, S. M. A tissue culture from potato tuber: the synergistic action of 2,4-D and of coconut milk. *Science* 113:518-520. May 4,1951. 470 Sci2
- 50008 SUCKLING, F. E. T. The passage of white clover seeds through the body of sheep and the effect on germination capacity. *New Zeal. Grassland Conf. Papers* 12:87-98. 60.19 N84
- 50009 SWINK, J. F., and DOXTATOR, C. W. A bolting oddity in sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:152-154. 1950. 66.9 Am35
- 50010 TABOR, P. Tolerance of young seedlings of lespedeza and kudzu to cold and naphtha. *Agron. J.* 43:205. Apr.1951. 4 Am34P
- 50011 TAGMAZ'IAN, I. A. Effect of time of nitrogen introduction into the culture medium on growth and development of plants. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:601-604. Feb.1,1951. 511 P444A
- 50012 TAUSON, T. A. On the physiology of Actinomycetes. (In Russian.) *Mikrobiologifā* 19:557-574. Ref. Nov./Dec.1950. 448.3 M582
- 50013 TAYLOR, S. A. Plant growth related to forces that hold water in the soil. *Farm & Home Sci. [Utah Sta.]* 12:10-11,17,20. Mar.1951. 100 UtiF
- 50014 TOMBESI, L. Glutination and ascorbic acid content and oxidase and catalase activity as related to available soil moisture in leaves of Virginia Bright tobacco during the vegetative cycle and curing. 2. (In Italian.) *Tabacco* 55:52-57. Feb.1951. 69.8 T115
English summary.
- 50015 TSEL'NIKER, I. U. L. In regard to physiological causes of rhythmical growth in trees. (In Russian.) *Bot. Zhur.* 35:445-460. Ref. Sept./Oct.1950. 451 R929
- 50016 TUNBLAD, B. Be careful with azobenzene preparations. (In Swedish.) *Sweden. Stat. Växtskyddsanst. Växtskyddsnot.* 1950:69-70. Dec.1950. 464.9 Sw3V
Injuries to plants.
- 50017 TUREŤSKAĬA, R. KH. Effect of [artificial] light on the process of root formation in cuttings of some plants. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:137-140. Jan.1,1951. 511 P444A
- 50018 VALLANCE, K. B. Studies on the germination of the seeds of *Striga hermonthica*. II. The effect of the stimulating solution on seed respiration. *J. Expt. Bot.* 2(4):31-40. Ref. Feb.1951. 450 J8224
- 50019 VALLEE, B. L. The function of trace elements in biology. *Sci. Mon.* 72:368-376. June 1951. 470 Sci23
- 50020 VEENBAAS, A., and POLL, K. J. Het verband tussen de mate van voorkomen van kwade harten en de consumptiekwaliteit bij peulvruchten [The connection between the extent of the occurrence of marsh spots and the consumer quality of legumes]. *Tech. Ber.* 55,13 p. Dec.1950. 60.39 T22
Peas.
- 50021 VELDSTRA, H. On the relation structure/activity with plant growth regulators. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:18-19. 1949. 464.9 In832
- 50022 VENINO, P., and MOIA, A. Findings on the employment of some phytohormone preparations. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:297-308. 1951. 16 An76
English summary.
- 50023 VENKATARATNAM, L. A hormone for improving fruit set and inducing seedlessness in tomatoes. *Indian Farming* 11:191-193. May 1950. 22 In283
- 50024 VERDUIN, J. Photosynthesis in naturally reared aquatic communities. *Plant Physiol.* 26:45-49. Jan.1951. 450 P692

- 50025 VIDAL, J. L. Maladies physiologiques de la vigne. *Potasse* 25:45-48. Mar.1951. 57.8 P84
- 50026 VYVYAN, M. C. Use of growth regulators to control the shedding of fruits. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:81-82. 1949. 464.9 In832
- 50027 WAIN, R. L. Plant growth-regulating and systemic fungicidal activity: the aryloxyalkylcarboxylic acids. *J. Sci. Food & Agr.* 2:101-106. Ref. Mar.1951. 382 So12
- 50028 WALKER, A. C., LONG, M. L., and HAC, L. R. Sand culture experiments with sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:412-421. 1950. 66.9 Am35
- 50029 WARBURTON, R. H., EAGLES, B. A., and CAMPBELL, J. J. R. The intermediate metabolism of *Pseudomonas aeruginosa*. *V. Canad. J. Bot.* 29:143-146. Apr.1951. 470 C16C
- 50030 WEAVER, E. A., and CORDON, T. C. Increasing potencies of enzymes produced by *Aspergillus niger*. *Mycologia* 43:5-10. Jan./Feb.1951. 450 M99
- 50031 WEISSMAN, G. S. Nitrogen metabolism of wheat seedlings as influenced by the ammonium: nitrate ratio and the hydrogen-ion concentration. *Amer. J. Bot.* 38:162-174. Ref. Mar.1951. 450 Am36
- 50032 WILDE, M. H. Anatomical modifications of bean roots following treatment with 2,4-D. *Amer. J. Bot.* 38:79-91. Ref. Jan.1951. 450 Am36
- 50033 WILLEGEN, A. J. V. Is pollination of self-fertilizing pear varieties by bees necessary? (In Dutch.) *Maandschr. v. Bijenteelt* 53:43. Mar.1951. 424.9 V58
- 50034 WILSON, K. S. The effects of shale kerosene upon the growth and development of species of *Penicillium* (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:57. Oct.1950. 500 C717
- 50035 WINNIK, M. Some effects of P and K deficiencies on orange tree growth, composition and fruit quality. *Internatl. Cong. Soil Sci. Trans.* 4(1):240-242. 1950. 56.09 In844
- 50036 WORT, D. J. Effects of non-lethal concentrations of 2,4-D on buckwheat. *Plant Physiol.* 26:50-58. Ref. Jan.1951. 450 P692
- 50037 WORT, D. J. The effect of some chemical growth regulators on the vitamin content of plants. *West. Canad. Weed Control Conf. Proc.* 4:45-46. Apr.1951. 79.9 W522
- 50038 ZIMMERMAN, P. W., and HITCHCOCK, A. E. Growth-regulating effects of chlorosubstituted derivatives of benzoic acid. *Boyce Thompson Inst. Contrib.* 16:209-213. Ref. Jan./Mar.1951. 451 B69
- ### BIOCHEMISTRY
- 50039 ALLSOPP, A. The sugars and non-volatile organic acids of some archegoniates: a survey using paper chromatography. *J. Expt. Bot.* 2(4):121-124. Ref. Feb.1951. 450 J8224
- 50040 BARBIER, G., and CHABANNES, J. Accumulation du sodium dans les racines des plantes. *Acad. des Sci. Compt. Rend.* 232:1372-1374. Apr.2,1951. 505 P21
- 50041 BECKER, Y., and others. Sur la présence d'excrétats racinaires toxiques. *Acad. d'Agr. de France. Compt. Rend.* 36:689-697. Ref. Dec.13/20,1950. 14 P215Bc
- L. Guyot, M. Massenot, and J. Montégut, joint authors. Includes discussion.
- 50042 BENNETT, E. The sugars of the hemicelluloses of cornstalks. *Plant Physiol.* 26:182-185. Jan.1951. 450 P692
- 50043 BLAGOVESHCHENSKIĬ, A. V. *Biokhimicheskie osnovy evolyutsionnogo professura u rastenii* [Biochemical principles of the evolutionary process in plants]. Moskva, Akademiiā Nauk SSSR, 1950. 268 p. 463.2 B57
- 50044 BOIKO, E. V. Iodometric micro-method of determining the alkaloid quantity in lupine. (In Russian.) *Biokhimia* 15:548-551. Nov./Dec.1950. 385 B523
- 50045 BOKUCHAVA, M. A., POPOV, V. R., and SHUBERT, T. A. Role of tannins in the oxidation-reduction processes of plants. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:439-442. Ref. Jan.21,1951. 511 P444A
- Experiments with tea leaves.
- 50046 BORCHERS, R., and ACKERSON, C. W. A method for the extraction of the nitrogen fraction from alfalfa. *Agron. J.* 43:204-205. Apr.1951. 4 Am34P
- 50047 CORNFIELD, A. H., and POLLARD, A. G. An indirect colorimetric determination of calcium in plant material. *J. Sci. Food & Agr.* 2:135-136. Mar.1951. 382 So12
- 50048 DERX, H. G. Diacetyl as a flower-scent; with some remarks on chiropterophily. *Bogor. Bot. Gard. Ann. Bogorienses* 1:49-52. Oct.1950. 451 B63
- 50049 DOXTATOR, C. W., and CALTON, F. R. Sodium and potassium content of sugar beet varieties in some western beet growing areas. *Amer. Soc. Sugar Beet Technol. Proc.* 6:144-151. 1950. 66.9 Am35
- 50050 DURMISHIDZE, S. V., and BUKIN, V. N. Physiological properties of tannins and pigments in grapes. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:703-706. Ref. Feb.11,1951. 511 P444A
- 50051 ERGLE, D. R., and EATON, F. M. Succinic acid content of the cotton plant. *Plant Physiol.* 26:186-188. Jan.1951. 450 P692
- 50052 FIORE, J. V. Lipases and fat formation in *Fusaria*. (Abs.) *Fordham U. Diss.* 17:28-29. 1950. 241.8 F75
- 50053 FLING, M., and HOROWITZ, N. H. Threonine and homoserine in extracts of a methionineless mutant of *Neurospora*. *J. Biol. Chem.* 190:277-285. Ref. May 1951. 381 J824
- 50054 FOGG, G. E. Studies on nitrogen fixation by blue-green algae. II. Nitrogen fixation by *Mastigocladus laminosus* Cohn. *J. Expt. Bot.* 2(4):117-120. Feb.1951. 450 J8224
- 50055 GOVINDARAJAN, V. S., and SREENIVASAYA, M. Papyrographic micromethod for the study of organic acids in plants. *Cur. Sci.* 20:43-44. Feb.1951. 475 Sci23
- 50056 HENRIET, J. Note sur les déterminations de la rotenone dans les racines de *Derris*. *Parasitica* 6: 117-118. 1950. 464.8 P21
- 50057 HIRST, E. L. The chemistry of plant gums and mucilages. *Endeavour* 10:106-111. Ref. Apr.1951. 472 En2
- 50058 HOWARD, A., and PELC, S. R. Synthesis of nucleoprotein in bean root cells. *Nature [London]* 167: 599-600. Apr.14,1951. 472 N21
- 50059 IACOBUCCI, G. A. Aislamiento de un alcaloide de *Coclea puberula* Nees. *Cien. e Invest.* 7:48. Jan.1951. 475 C482
- 50060 JOHNSON, M., and FULTS, J. L. A cumulative fluorescent chemical found in certain plants treated with 2,4-D identified as scopoletin (6-methoxy-7-hydroxy 1:2 benzo-pyrone). (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:61-62. Oct.1950. 500 C717
- 50061 KAUSHAL, R., and WALKER, T. K. Formation of cellulose by certain species of *Acetobacter*. *Biochem. J.* 48:618-621. Ref. May 1951. 382 B52
- 50062 KREITMAN, G. Studies on the structure and functions of lycopersin, a pigment from *Fusarium lycopersici* and *Fusarium vasinfectum*. (Abs.) *Fordham U. Diss.* 17:30-32. 1950. 241.8 F75
- 50063 LEVITT, J. The isolation and preliminary fractionation of proteins from dormant and growing potato tubers. *Plant Physiol.* 26:59-65. Jan.1951. 450 P692
- 50064 LEVY, H., and others. Yeast growth, nucleic acid concentration, and cobalt. *Wallerstein Lab. Commun.* 14(44):43-48. Mar.1951. 390.9 W15
- M. G. Hale, J. S. Wallerstein, and A. L. Schade, joint authors.
- 50065 MANDELS, G. R. The invertase of *Myrothecium verrucaria* spores. *Amer. J. Bot.* 38:213-221. Ref. Mar.1951. 450 Am36
- 50066 MAYER, A. M., and GORHAM, E. The iron and manganese content of plants present in the natural vegetation of the English Lake District. *Ann. Bot. (n.s.)* 15:247-263. Ref. Apr.1951. 450 An7
- 50067 NOGGLE, G. R., and BOLOMEY, R. A. The biosynthesis of carbon-14-labeled compounds. I. The chromatographic separation of glucose and fructose. *Plant Physiol.* 26:174-181. Ref. Jan.1951. 450 P692
- 50068 NORDAL, A., and KLEVSTRAND, R. Studies of the constituents of crassulacean plants. I. Paper chromatographic investigation of the free sugars of some *Sedum*, *Sempervivum*, *Echeveria*, and *Crassula* species. *Acta Chem. Scand.* 5:85-88. Ref. 1951. 385 Ac82
- 50069 PLOUVIER, V. Sur la présence de québrachitol chez les Elaeagnacées. Sa recherche dans quelques autres Myrtiflorae. *Acad. des Sci. Compt. Rend.* 232:1239-1241. Mar.19,1951. 505 P21
- 50070 ROBERTS, E. A. H., and WOOD, D. J. Oxidation of anthoxanthins by tea-oxidase. *Nature [London]* 167:608. Apr.14,1951. 472 N21
- 50071 RUBINSHTEIN, I. I. Biochemical properties of *Fusarium* cultures. (Section *Sporotrichiella*). (In Russian.) *Mikrobiologiya* 19:438-443. Ref. Sept./Oct. 1950. 448.3 M582
- 50072 RUINEN, J. Microscopy of the "lutoids" in *Hevea latex*. *Bogor. Bot. Gard. Ann. Bogorienses* 1:27-47. Ref. Oct.1950. 451 B63

- 50073 SAVINOV, B. G., and LUSHCHEVSKAYA, G. M. On some simplified methods for carotene determination in green plants. (In Russian.) Akad. Nauk SSSR. Dok. 76: 103-104. Jan.1,1951. 511 P444A
- 50074 SHU, P., and BLACKWOOD, A. C. Studies on carbon and nitrogen sources for the production of amylolytic enzymes by submerged culture of *Aspergillus niger*. Canad. J. Bot. 29:113-124. Ref. Apr.1951. 470 C16C
- 50075 SISAQIAN, N. M., and VASIL'EVA, N. A. On the nature of amino acid action on the saccharose synthesis in the living plant cell. (In Russian.) Biokhimiya 15:394-400. Ref. Sept./Oct.1950. 385 B523 Experiments with wheat sprouts.
- 50076 SISAQIAN, N. M., and FILIPPOVICH, I. I. On the nature of changes in activity of respiration enzymes during the process of phasic development of plants. (In Russian.) Akad. Nauk SSSR. Dok. 76:443-446. Ref. Jan.21,1951. 511 P444A Experiments with wheat and barley.
- 50077 SISLER, F. D., and ZOBELL, C. E. Nitrogen fixation by sulfate-reducing bacteria indicated by nitrogen/argon ratios. Science 113:511-512. May 4,1951. 470 Sci2
- 50078 SOMERS, G. F., and KELLY, W. C. Ascorbic acid and dry matter accumulation in turnip and broccoli leaf discs after infiltration with inorganic salts, organic acids, and some enzyme inhibitors. Plant Physiol. 26:90-109. Ref. Jan.1951. 450 P692
- 50079 SREENIVASAN, A., and WANDREKAR, S. D. Biosynthesis of vitamin C during germination. II. Indian Acad. Sci. Proc. Sect. B 32:231-251. Ref. Dec. 1950. 513 In25B
- 50080 STARK, E., and TETRAULT, P. A. Observations on amylolytic bacteria. I-II. Canad. J. Bot. 29:91-112. Ref. Apr.1951. 470 C16C
- 50081 STEWARD, F. C., and others. The amino acids of alfalfa as revealed by paper chromatography with special reference to compounds labelled with S35. Plant Physiol. 26:123-135. Ref. Jan.1951. 450 P692 J. F. Thompson, F. K. Millar, M. D. Thomas, and R. H. Hendricks, joint authors.
- 50082 STIMPFLING, J. H., and SHUBERT, M. L. Iron fluctuations in *Acer saccharinum*. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:55-56. Oct.1950. 500 C717
- 50083 TEAS, H. J. Effect of canavanine on mutants of *Neurospora* and *Bacillus subtilis*. J. Biol. Chem. 190: 369-375. Ref. May 1951. 381 J824
- 50084 THOAI, N. V., ROCHE, J., and SALTMAN, P. Sur la purification et sur les caractères de l'apyrase de pomme de terre. Soc. de Biol. Compt. Rend. 144:1588-1589. Dec.1950. 442.9 P21
- 50085 TRECCANI, C. P. Researches on the fluctuations and on the displacing of the carbohydrate and nitrogenous reserves of the roots and of the foliage of young apple trees; preliminary note. (In Italian.) Ann. della Sper. Agr. (n.s.) 5:337-358. Ref. 1951. 16 An76 English summary.
- 50086 TRIM, A. R. Occurrence of asperuloside in *Daphniphyllum macropodum* (Euphorbiaceae) and a closely related glucoside in *Monotropa hypopitys* Walt. (Pyrolaceae). Nature [London] 167:485. Mar.24,1951. 472 N21
- 50087 YANOFSKY, C., and BONNER, D. M. Studies on the conversion of 3-hydroxyanthranilic acid to niacin in *Neurospora*. J. Biol. Chem. 190:211-218. Ref. May 1951. 381 J824
- 50088 ZUEV, L. A., and PORUCHIKOVA, V. I. Conversion of phosphorus compounds in the ripening kernel of spring wheat. (In Russian.) Priroda 39(9):63. Sept. 1950. 410 P933
- 50092 GYSEL, A. Beiträge zur technik des landwirtschaftlichen versuchswesens. I. Geschichtliche entwicklung, wesen und ziele der versuchstechnik dargestellt am feldversuch. Schweiz. Landwirt. Monatsh. 1951:98-102. Ref. Mar.20,1951. 17 Sch93
- 50093 HAMY, A. Nouvelle méthode d'expérimentation. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron. 1:762-767. Nov./Dec.1950. 14 F8499
- 50094 HANSEN, A. Seed growing experiments by the farmers and cotters associations in 1950. (In Danish.) Tidsskr. f. Frøavl 20:168-180. Mar.1951. 61.8 T43
- 50095 HEDLIN, R. What about crop rotations? Country Guide 1951:13,34. Apr.1951. 7 G76
- 50096 HUBERT, Mitschurin-feld und pflanzenschutz. Deut. Landwirt. 2:77-79. Feb.1951. 18 D4822
- 50097 HURST, F. Louisiana's new pasture-rice rotation. Prog. Farmer, Miss.-Ark.-La. Ed. 66(4):16,126. Apr.1951. 6 So81
- 50098 INTERNATIONAL CROP IMPROVEMENT ASSOCIATION. Thirty-second annual report. Beltsville, 1950. 118 p. 61.9 In8Pr
- 50099 JOHNSON, A. A. Methods of teaching the value of good seed. Internatl. Crop Impr. Assoc. Annu. Rpt. 32: 84-92. 1950. 61.9 In8Pr
- 50100 JOHNSON, I. J. Varieties and cropping practices for 1951. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:131-134. Mar.1951. 275.28 Io94
- 50101 KRESS, Die bedeutung und die ergebnisse eines versuchsfeldes für das volkseigene gut und die umliegende landwirtschaft. Deut. Landwirt. 2:200-203. (To be cont.) Apr.1951. 18 D4822
- 50102 LAUMONT, P. Rotations et assolements. Soc. des Agr. d'Algérie. B. 94:62-93. 1950/1951. 24 Sol
- 50103 LEONARD, W. H., and WOOD, D. R. General field crops laboratory manual. Ed. 3. Minneapolis, Burgess, 1950. 91 p. 64 L552G
- 50104 LI, J. C. R., and KELLER, K. R. An application of serial correlation in field experiments. Agron. J. 43:201-203. Ref. Apr.1951. 4 Am34P
- 50105 MOSOLOV, V. P. Agrotekhnika [Agricultural technique]. Ed. 2, rev. and enl. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 430 p. 64 M85A For field crops.
- 50106 NILSSON-LEISSNER, G. Production of improved seed in Sweden. Internatl. Crop Impr. Assoc. Annu. Rpt. 32:79-83. 1950. 61.9 In8Pr
- 50107 ROEMER, T. Die erzeugung von pflanzlichem nahrungselweiss. Kühn-Arch. 63:91-101. 1950. 105.8 H15Ku
- 50108 RÜTHER, H. Der anbau von untersaaten. Deut. Landwirt. 2:188-191. Apr.1951. 18 D4822
- 50109 SAATZUCHT und saatgutversorgung als mittel zur produktionssteigerung. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949:170-173. 1950. 19 Au72J
- 50110 WHITTET, J. N. Temporary pastures in the wheat rotation to maintain soil fertility. Agr. Gaz. N. S. Wales 62:69-72. Feb.1,1951. 23 N472
- Cereals**
- 50111 AHARONOVITZ, J., and BERCOVITZ, J. Experiments in sorghum growing. (In Hebrew.) Hassadeh 31:208-211,263-264. Feb.-Mar.1951. 26 H27
- 50112 AHARONOVITZ, J., and BERCOVITZ, J. Leoti sorghum for ensilage, sugar and grain. (In Hebrew.) Hassadeh 31:313-315. Apr.1951. 26 H27
- 50113 BLES, J. Summer barley. (In Dutch.) Boer en Tuinder 5(217):3. Mar.17,1951. 12 B632 Netherlands.
- 50114 CALDWELL, A. C. More corn at no extra cost. Better Crops Plant Food 35(4):11-16. Apr.1951. 6 B46
- 50115 COTTE, A. Les sorghos à grain ont fait leur apparition en culture. Prog. Agr. et Vitic. 1951:207-209. Apr.15/22,1951. 14 P94
- 50116 CUTTACK, INDIA. CENTRAL RICE RESEARCH INSTITUTE. Annual report, 1948/49. Cuttack, 1950. 44 p. 59.9 C98
- 50117 DERICK, R. A. A new variety of oats for eastern Ontario. Sci. Agr. 31:176. Apr.1951. 7 Sci2
- 50118 DUMEIGE, A. Le programme d'amélioration de la production du blé dur en Tunisie. Colon Franç. de Tunisie (ser.7) 44(2194):1,3. Apr.21,1951. 24 C712
- 50119 ENGEL. Beurteilung der getreidesorten für das anbaubiet Sachsen-Anhalt. Deut. Landwirt. 2:37-39. Jan.1951. 18 D4822

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

- 50089 ARNOLD, L. E. Seed improvement—looking ahead. Internatl. Crop Impr. Assoc. Annu. Rpt. 32:72-79. 1950. 61.9 In8Pr
- 50090 DMITRIEV, V. S. From the history of the Chair of Agronomy in Moscow University. (In Russian.) Sovet. Agron. 8(2):89-95. Ref. Feb.1951. 20 So84
- 50091 GILEAD, H. The place of purple vetch in the 3-year rotation. (In Hebrew.) Hassadeh 31:316-317. Apr.1951. 26 H27

- 50120 FAJERSSON, F. Baking quality of Pongus spring wheat. (In Swedish.) Weibulls Illus. Årsb. 46:25-29. 1951. 64.9 L232
- 50121 FAJERSSON, F. How Pongus holds its position within different yield classes. (In Swedish.) Weibulls Illus. Årsb. 46:8-10. 1951. 64.9 L232
Wheat variety.
- 50122 FEDERAZIONE ITALIANA DEI CONSORZI AGRARI. SERVIZIO PIANTE E SEMENTI. Frumenti da seme. Blés de semence. Roma, 1951. 50 p. 59.26 F31
- 50123 FREW, S. Pop corn: a Marlborough venture. New Zeal. J. Agr. 82:39, 41, 43, 45. Jan. 15, 1951. 23 N48J
Chiefly culture.
- 50124 FUGGLES-COUCHMAN, N. R. Wheat production in Tanganyika. World Crops 3:183-187. May 1951. 281.8 W892
- 50125 GELIN, O. E. V. Silage corn. (In Swedish.) Weibulls Illus. Årsb. 46:21-24. 1951. 64.9 L232
Culture.
- 50126 GEYER, B. Sortenfragen im getreideanbau Mecklenburgs. Deut. Landwirt. 2:36-37. Jan. 1951. 18 D4822
- 50127 GODOY, L. C. DE. The culture of wheat in Veadeiros; historical data. (In Portuguese.) Lavoura 55: 9-11. Jan./Feb. 1951. 9.2 L39
- 50128 GREBENNIKOV, S. D. Oves v Novosibirskoi oblasti [Oats in Novosibirsk Region]. Novosibirsk, Novosibirskoe Obl. Gos. Izd-vo, 1950. 95 p. 59.23 G79
- 50129 HAGBERTH, N. O. Weibull's original Bambu oat II. (In Swedish.) Weibulls Illus. Årsb. 46:14-16. 1951. 64.9 L232
- 50130 HANSON, D. How to plant corn. Successful Farming 49(5):34-35, 86-87. May 1951. 6 Su12
- 50131 HARRISON, C. M. The story of hybrid corn. Hoard's Dairyman 96:392, 413. May 10, 1951. 44.8 H65
- 50132 HARTLEY, C. W. S. Establishment of new rice areas in Malaya. World Crops 3:171-175. May 1951. 281.8 W892
- 50133 HAYAKAWA, K. Saga-ken inasaku tsuokari no kenkyu [A study on the harvest of rice crop in Saga prefecture]. Tokyo? Norin-sho Nogyo Sogo Kenkyu-sho, 1950. 331 p. 59.24 H32
- 50134 HERENG, L. Les blés et les semis. Agriculture [Paris] 15:69, 71. Mar. 1951. 14 Ag823
- 50135 HIGH grain seed quality demands careful control. (In Swedish.) Weibulls Illus. Årsb. 46:3-7. 1951. 64.9 L232
- 50136 HÖRBERG, Y. Weibull's original Rika barley. (In Swedish.) Weibulls Illus. Årsb. 46:11-14. 1951. 64.9 L232
- 50137 JONES, M. D., and BROOKS, J. S. Effectiveness of distance and border rows in preventing outcrossing in corn. Internat. Crop Impr. Assoc. Annu. Rpt. 32:117-118. 1950. 61.9 In8Pr
- 50138 KANNENBERG, H. Lehrreiches frühjahr für auswintern des roggens auf hochmoor. Landwirtbl. Weser Ems 98:298-299. Apr. 5, 1951. 18 L2345
- 50139 KAPER, R. E. Registration of sorghum varieties, VI. Agron. J. 43:243. May 1951. 4 Am34P
- 50140 KAVANAGH, L. R. The story of hybrid maize. Agr. Gaz. N. S. Wales 62:61-66, 72. (To be cont.) Feb. 1, 1951. 23 N472
- 50141 KELLER, E. R. Pflanzenbauliche und züchterische fragen beim brotgetreidebau. Grüne 78:1434-1440. Dec. 29, 1950. 17 Sch9
Switzerland.
- 50142 KOOPMAN, C. The culture of corn compared to grain. I-II. (In Dutch.) Drents Landtbl. 32(1):8; (2):5. Jan. 6-13, 1951. 12 D812
Yield.
- 50143 KOZYR, A. T. Economic and biological characteristics of rye hybrids. (In Russian.) Selek. i Semen. 17(11):27-29. Nov. 1950. 61.9 Se5
- 50144 M'INTOSH, T. P., and THOMSON, J. R. Seed oats certification; maintenance of pure stocks. Scot. Agr. 30:225-228. Spring 1951. 10 Sco82So
- 50145 MALONI, G. Results of second crop corn varieties. (In Italian.) Campagna 50(1060):2-3. Jan. 15, 1951. 16 C152
- 50146 MANGELSDORF, P. C., and OLIVER, D. L. Whence came maize to Asia? Harvard U. Bot. Mus. L. 14:263-291. Ref. Apr. 18, 1951. 451 H262
- 50147 MANONI, R. Hybrid corn imported from America. (In Italian.) Agr. Tosc. 6:88-90. Mar. 1951. 16 Ag827
- 50148 MARTIN, R. Variety selection made Okeene the 'wheat capital' of Oklahoma. Farmer-Stockman 54(4): 10, 19. Apr. 1951. 6 Ok45
- 50149 MATSUO, D. Inasaku [Cultivation of rice plant], v. 1. Tokyo, Yokendo, 1950. 361 p. 59.24 M42
- 50150 MAY, E. La producción del maíz híbrido en Iowa. Asoc. Argentina Criadores de Cerdos. Rev. 30 (343):9. Mar. 1951. 46.9 As5
- 50151 MENZEL, O. Die bedeutung der getreidesortenwahl für Sachsen. Deut. Landwirt. 2:149-150. Mar. 1951. 18 D4822
- 50152 MÜLLER, F. Höhere haferernten; ein blick in die haferzüchtung von Kirsches Pfiffelbacher Gelb. Deut. Landwirt. 2:99-100. Feb. 1951. 18 D4822
- 50153 NICHOLSON, A. A hand in the future of hybrid corn. Country Gent. 121(5):22, 124-126. May 1951. 6 C833
- 50154 NICHOLSON, G. Oat and barley varieties recommended for 1951 sowings. Agr. Gaz. N. S. Wales 62: 97-100. Feb. 1, 1951. 23 N472
- 50155 OHIO STATE UNIVERSITY. COLLEGE OF AGRICULTURE AND DOMESTIC SCIENCE. EXTENSION SERV. What oats in 1950? by C. A. Lamb. Columbus, 1950. 2 p. 275.2 Oh32What
Varieties.
- 50156 ORGANISATION FOR EUROPEAN ECONOMIC COOPERATION. Hybrid maize (corn) in European countries; report by United States specialists, M. T. Jenkins, W. P. Watkins, C. E. Ferguson, and R. C. Eckhardt. Paris, 1950. 68 p. 59.22 Or3
- 50157 PISAREV, V. Luchshie sorta zernovykh kul'tur dlia Moskovskoi oblasti [Best varieties of cereals for Moscow Region]. Moskov, Moskovskii Rabochii, 1951. 74 p. 59 P67
- 50158 POLL, H. Zur sortenfrage bei getreide in Thüringen. Deut. Landwirt. 2:87-88. Feb. 1951. 18 D4822
- 50159 SCHAUS, R. Hegari: forage wonder. West. Livestock J. 29(27):39, 70. Apr. 15, 1951. 6 F2278
- 50160 SCHMALFUSS, K. Siebzig jahre "ewiger roggenbau." Kühn-Arch. 63:1-14. 1950. 105.8 H15Ku
- 50161 SINGH, M. P. Demarcation of tracts for improved barleys in Bihar. Allahabad Farmer 25(1):25-31. Jan. 1951. 22 AL5
Variety trials.
- 50162 SPRAGUE, G. F., and MILLER, P. A. New corn hybrids for Iowa. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:137-138. Mar. 1951. 275.28 I094
- 50163 STAFFELD, U. Einfluss der chemischen zusammensetzung des kornes auf den ertrag. Deut. Landwirt. 2:136-141. Ref. Mar. 1951. 18 D4822
- 50164 STREIFTHAU, H. J. Steinklee als landwirtschaftliche nutzpflanze. Deut. Landwirt. 2:85-87. Feb. 1951. 18 D4822
- 50165 SUZUKI, S., and HIRANO, Y. Researches on the method of rice planting in the "Akiochi-area". (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p. 155-168. Shidzuoka, 1950. 107.6 Sh6Co
- 50166 VIANNAY, C. Cinquante années d'expériences sur les blés à Avrillé. Agro d'Angers 29:113-117. Apr. 1951. 105.3 An4
- 50167 WALDRON, L. R. Breeding common wheat in North Dakota. Dakota Farmer 71(8):22-23. Apr. 21, 1951. 6 D14
- 50168 WELLHAUSEN, E. J. El maíz híbrido y su utilización en Mexico. Mex. Sec. de Agr. y Ganad. Fol. Téc. 6:57 p. Apr. 1951. 8 M577F
English summary.
- 50169 WELLHAUSEN, E. J., and others. Razas de maíz en Mexico; su origen. Características y distribución. Mex. Sec. de Agr. y Ganad. Fol. Téc. 5:237 p. Ref. Apr. 1951. 8 M577F
L. M. Roberts, E. Hernández X., and P. C. Mangelsdorf, joint authors.
English summary.
- Fiber Crops**
- 50170 BARNHART, F. Cotton. Ed. 3. Caruthersville, Mo., 1951. 370 p. Ref. 72 B26
Includes insect pests.
- 50171 BRITISH COTTON GROWING ASSOCIATION. Forty-sixth annual report and statement of accounts for the twelve months ended December 31st, 1950. Manchester, 1951. 32 p. 72.9 B77P
- 50172 BROWN, C. H. The variety pattern for 1951. Egypt. Cotton Gaz. 12:25-27. Jan. 1951. 72.8 Eg9
- 50173 CHAUDHRI, S. D. Sunn-hemp in East Pakistan. Agr. Pakistan 1:156-160. 1950. 22 Ag832
- 50174 DUJARDIN, A. J. Le lin (culture et préparation). Annu. Agr. et Hort. (1949/50):2:49-52. 1950. 13 An7

- 50175 GARDENHIRE, J. H., and DUDLEY, D. I. Denton cotton variety tests, 1946-50. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1366, 2 p. Apr. 23, 1951. 100 T31P
- 50176 HOLTHUIS, J. E., and others. Sisal, maguey, and manila hemp. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. *De landbouw in de Indische Archipel*, III, p.103-178. 's-Gravenhage, 1950. 37 H14L
- C. J. J. van Hall, E. C. J. Mohr, and C. van de Koppel, joint authors.
Culture and processing.
- 50177 HOUTEN, J. G. TEN. Roselle. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. *De landbouw in de Indische Archipel*, III, p.179-225. Ref. 's-Gravenhage, 1950. 37 H14L
- Culture.
- 50178 KHADILKAR, T. R. Improvement in Khandesh cottons. *Indian Cotton Growing Rev.* 4:212-226. Oct. 1950. 72.8 In23
- 50179 KHAN, M., A., and AFZAL, M. Vicinism in cotton. *Indian Cotton Growing Rev.* 4:227-239. Ref. Oct. 1950. 72.8 In23
- 50180 LABRIEGO, J. El ramio. *Charla Rur.* 148:34-35, 53. (Concl.) Feb. 1951. 9 C37
- Culture and industrial utilization.
- 50181 LEMONS, E. Efficient cotton production will pay dividends at harvest time. *Farmer-Stockman* 54(5): 13, 23. May 1951. 6 Ok45
- 50182 LHUILLIER, J. Coton et recherches cotonnières. *Marchés Colon.* 7:1211-1216. Apr. 28, 1951. 286.8 M33
- Ivory Coast.
- 50183 LUNA ERCILLA, C. A. Bromeliáceas indígenas textiles. *Soc. Rur. Argentina. An.* 84(12):36-42. Dec. 1950. 9 Sol
- 50184 MEDINA, J. C. L'expérimentation sisalière au Brésil. *Coton et Fibres Trop.* 6:45-54. Ref. Mar. 1951. 73.8 C82
- 50185 OJEDA O., D. El cultivo del algodón y la fertilidad de los suelos de la Laguna. *Campo [Guadalajara]* 19(708):73-74, 76-79. (To be cont.) Feb. 28, 1951. 8 G76
- 50186 O'KELLY, J. F. Registration of improved cotton varieties. *Agron. J.* 43:241. May 1951. 4 Am34P
- 50187 PAERELS, B. H. Cotton. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. *De landbouw in de Indische Archipel*, III, p.7-52. Ref. 's-Gravenhage, 1950. 37 H14L
- Culture, and the world cotton industry.
- 50188 PATEL, G. B., and THAKAR, B. J. Cotton improvement through interspecific hybridization. *Indian Cotton Growing Rev.* 4:185-198. Oct. 1950. 72.8 In23
- 50189 PEEBLES, R. H. Spacing cotton for higher yield. *Ariz. Farmer* 30(8):18-19. Apr. 14, 1951. 6 Ar44
- 50190 PFLIEGER, P. Cotton important to Belgian Congo. *Cotton Trade J.* 31(19):10-11, 15. May 4, 1951. 72.8 C8214
- 50191 PLEDGER, D. J., and PLEDGER, D. J., JR. Cotton culture on Hardscramble Plantation: conservation, mechanization. *Shelby, Miss., Hardscramble Plantation*, 1951. 234 p. 72 P71
- 50192 REMUSSI, C. La producción de lino textil en la Argentina. *Cien. e Invest.* 7:51-64. Ref. Feb. 1951. 475 C482
- 50193 ROSE, M. F. The Nuba Mountains cotton crop: some factors affecting yield. *Empire Cotton Grow ing Rev.* 28:103-113. Apr. 1951. 72.8 Em7
- 50194 SCHREVEN, A. C. VAN, and HUIJSMAN, C. A. Ramie. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. *De landbouw in de Indische Archipel*, III, p.226-236. Ref. 's-Gravenhage, 1950. 37 H14L
- Culture and processing.
- 50195 TOXOPEUS, H. J. Kapok. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. *De landbouw in de Indische Archipel*, III, p.53-102. Ref. 's-Gravenhage, 1950. 37 H14L
- Culture and processing.
- 50196 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. TECHNICAL COLLABORATION BR. Kenaf; a fact sheet on a new soft-fiber crop for the Americas. *Washington?* 1951? 4 p. 1.943 K33
- 50197 VSESOFUZYNYI NAUCHNO-ISSLEDOVATEL'-SKII INSTITUT LUBIANYKH KUL'TUR. *Lubiánye kul'tury; konoplja, kenaf, kanatnik, rami, dzhut, bamiia [Bast crops: hemp, kenaf, abutilon, ramie, jute and okra]. Moskva, Gos. Izd-vo, Selkhoz Lit-ry, 1950. 399 p. 73 V96*

Forage Crops and Grasses

- 50198 ABBOTT, J. B. Management problems in grassland farming; a good many of the solutions which have been proposed in the past are not standing the test of time too well. *New Eng. Homestead* 124(6):10-11. Mar. 24, 1951. 6 N442
- 50199 AVNI, A. Sown pasture at Givat-Brenner. (In Hebrew.) *Hassadeh* 31:342-343. Apr. 1951. 26 H27
- 50200 BECKER, R. Gedanken zur grünlandbewirtschaftung. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A: 628. Apr. 26, 1951. 18 L2346
- 50201 BIGNOLI, D. P. Nuevos metodos en el manejo de pastoreos. *Soc. Rur. Argentina. An.* 85:23-24. Jan. 1951. 9 Sol
- 50202 BROWN, B. A. Ladino clover comes of age. *Crops & Soils* 3(7):18-19. Apr./May 1951. 6 W55
- 50203 BUCKINGHAM, M., and POTTS, R. C. Crops for silage and forage at Mt. Pleasant, 1950. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1344, 1 p. Mar. 22, 1951. 100 T31P
- 50204 BUDD, J. L. A rancher's viewpoint. *Wyo. Wool Grower* 6(12):4-5, 7. Mar. 29, 1951. 280.38 W99
- Range management.
- 50205 BURCALOW, F. V. Good pastures don't just happen. *Hoard's Dairyman* 96:386-387. May 10, 1951. 44.8 H65
- 50206 BUZI, V. C. A mountain problem: improvement of permanent pastures. (In Italian.) *Humus* 7(3):6-8. Mar. 1951. 16 H88
- Italy.
- 50207 CARPENTER, F. R. What's the matter with Nat'l forest grazing? *N. Mex. Stockman* 16(4):2-4. Apr. 1951. 49 N462
- 50208 CASSADY, J. T. Bluestem [*Andropogon* spp.] range in the piney woods of Louisiana and East Texas. *J. Range Mangt.* 4:173-177. May 1951. 60.18 J82
- 50209 CHRISTENSEN, N. A. Experiments with seed crops. (In Danish.) *Tidsskr. f. Frøavl* 20:143-150. Feb. 1951. 61.8 T43
- Forage plants.
- 50210 CONFERENCE ON GRASSLAND IMPROVEMENT, PARIS, 1950. Farm advisory methods for grassland improvement; conference organized by the Ministry of Agriculture for France, in co-operation with the Organisation for European Economic Cooperation. *Proceedings*. Paris, 1950. 135 p. 60.19 C762
- 50211 CONNOR, H. E. The agricultural significance of the study of native bluegrass *Agropyron scabrum*. *New Zeal. Grassland Conf. Papers* 12:73-79. 1950. 60.19 N48
- 50212 CRISEMANN, E. Die bedeutung von heu und grummet für die ernährung des rindes, bei aufzucht, milchproduktion und mast. *Bodenkultur* 4:426-450. Ref. 1950. 19 B635
- 50213 DALE, N. C. Grow a plot of birdsfoot trefoil [*Lotus corniculatus*]. *Susquehanna-Wyo. Farm & Home News* 4(3):11. Apr. 1951. 6 Su82
- 50214 DER KHATCHADOURIAN. Improvement of fodder production: advisory methods used in France. In *Conference on Grassland Improvement, Paris, 1950*. Farm advisory methods for grassland improvement. *Proceedings*, p.18-26. Paris, Organ. European Econ. Co-op., 1950. 60.19 C762
- 50215 EBERLY, N. M. Pennsylvania is going to grass this year! *East. States Coop.* 27(5):8-9. May 1951. 280.28 Ea7
- 50216 ELROD, J. M. Crimson clover variety and strain test, 1947-50. *Ga. Agr. Expt. Sta. Press B.* 631, 2 p. Mar. 28, 1951. 100 G29P
- 50217 ESKUCHEN. Weisse schlupine—deutsche soja? *Deut. Landwirt. Presse* 74:58. Mar. 3, 1951. 18 D482
- 50218 EVANS, G. Seed production requirements. In *Conference on Grassland Improvement, Paris, 1950*. Farm advisory methods for grassland improvement. *Proceedings*, p.111-120. Paris, Organ. European Econ. Co-op., 1950. 60.19 C762
- Includes discussion.
- 50219 EVANS, R. J. Legume-grass mixtures for hay. *Farm & Home Sci. [Utah Sta.]* 12:5, 19-20. Mar. 1951. 100 U1F
- 50220 EVANS, T. A. Renovation of an aged seed stand of S.143 cocksfoot. *Brit. Grassland Soc. J.* 5:287-290. Dec. 1950. 60.19 B773

- 50221 EVANS, T. W. Grassland improvement and the advisory service. In Conference on Grassland Improvement, Paris, 1950. Farm advisory methods for grassland improvement. Proceedings, p.44-47. Paris, Organ. European Econ. Co-op., 1950. 60.19 C762 United Kingdom.
- 50222 EVERSON, A. C. American Society of Range Management, Arizona Section. Ariz. Cattlelog 6(7):36-37. Mar. 1951. 43.8 Ar42
- 50223 FARRON, P. E. Aménagement sylvo-pastoral. World Forestry Cong. Proc. 3(3):230-235. 1949, pub. 1950. 99.9 C76912A Switzerland.
- 50224 FOURY, A. Note au sujet de la Kochia. Terre Marocaine 25:109-110. Apr. 1951. 24 T44
- 50225 FOX, W. H. Birdsfoot trefoil, the long lasting legume. Kraftsman, Prod. Ed. 9(2):4-5. Mar./Apr. 1951. 44.8 K85
- 50226 FRANKENA, H. J. Difficulties and possibilities of putting into practice the results of agricultural research on grassland improvement. In Conférence on Grassland Improvement, Paris, 1950. Farm advisory methods for grassland improvement. Proceedings, p.27-34. Paris, Organ. European Econ. Co-op., 1950. 60.19 C762
- 50227 FRISCHKNECHT, N. C. Seedling emergence and survival of range grasses in central Utah. Agron. J. 43:177-182. Ref. Apr. 1951. 4 Am34P
- 50228 FROBERG, B. Pasture program helps. New Eng. Homestead 124(6):28-29. Mar. 24, 1951. 6 N442
- 50229 GELIN, O. E. V. Weibull's Alfa lucerne: (In Swedish.) Weibulls Illus. Årsb. 46:25. 1951. 64.9 L232
- 50230 GERVAIS, P. Le trèfle ladino et l'amélioration des pâturages. Terre de Chez Nous 23(10):7. May 2, 1951. 7 T27
- 50231 GIERING, E. Unterscheidungsmerkmale an sommer- und winterwicksamen. Deut. Landwirt. 2:84-85. Feb. 1951. 18 D4822
- 50232 GORMAN, L. W. Timothy and cocksfoot strain selection. New Zeal. Grassland Conf. Papers 12:58-65. 1950. 60.19 N48
- 50233 GOVANDE, G. K. Improved varieties of pulses and lesser millets for Gujarat. Indian Farming 11:194-193. May 1950. 22 In283
- 50234 GRANDFIELD, C. O. How to double yields of alfalfa seed. Internatl. Crop Impr. Assoc. Annu. Rpt. 32:69-71. 1950. 61.9 In8Pr
- 50235 GRAUMANN, H. O. Effect of harvest practice on root reserves and performance of alfalfa. Nebr. U. Abs. Doct. Diss. 1950:1-9. 241.8 N28
- 50236 HANSON, W. R. Condition classes on mountain range in southwestern Alberta. J. Range Mangt. 4:165-170. May 1951. 60.18 J82
- 50237 HAUSSMANN, G. Improvement of permanent pastures. (In Italian.) B. dell' Agr. 85(5):2-3. (Cont.) Mar. 9, 1951. 16 B87
- 50238 HEDRICK, D. W. Brushland management in California. J. Range Mangt. 4:181-183. May 1951. 60.18 J82
- 50239 HENSON, L. Determining means whereby the seed yields of red clover can be increased. Internatl. Crop Impr. Assoc. Annu. Rpt. 32:99-102. 1950. 61.9 In8Pr
- 50240 HESS, N. Probleme der futterpflanzenzüchtung. Bodenkultur 4:415-421. 1950. 19 B635
- 50241 HODSON, E. A. Field observations on tall fescue. Better Crops Plant Food 35(4):21-24, 39-40. Apr. 1951. 6 B46
- 50242 HOFFMANN, R., and LANGLET, J. Zur methode der ertragsermittlung auf dauerweiden. 3. Kühn-Arch. 63:71-90. 1950. 105.8 H15Ku
- 50243 HOLLAND, J. W. Green Pastures farming for defense; planned grass program fits into long-term mobilization plan, also as land improvement. Ky. Banker 310:7-8. Apr. 1951. 284.8 K41
- 50244 HOLLOWELL, E. A. Registration of varieties and strains of red clover, II. Agron. J. 43:242. May 1951. 4 Am34P
- 50245 HOLOPAINEN, W. Need high producing pastures. New Eng. Homestead 124(6):12, 48. Mar. 24, 1951. 6 N442
- Pasture management.
- 50246 HUGHES, H. D., and SCHOLL, J. M. For us pasture renovation paid off. Iowa State Col. Agr. Ext. Iowa Farm Sci. 5:135-136. Mar. 1951. 275.28 In94
- 50247 HULL, A. C., JR. Reseeding sagebrush lands of western Colorado and southern Wyoming. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:54-55. Oct. 1950. 500 C717
- 50248 HUTSON, H. C., and POTTS, R. C. Crops for silage and forage at Nacogdoches, 1949-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1358, 2 p. Apr. 10, 1951. 100 T31P
- 50249 HYDE, E. O. C. Studies on the development of white clover seed. New Zeal. Grassland Conf. Papers 12:80-86. 1950. 60.19 N48
- 50250 JOHNSON, A. A. Hay and pasture can and need to be better. Metrop. Milk Prod. News 11(4):16-18. Apr. 1951. 280.28 M56
- Pasture management.
- 50251 JOHNSON, H. W. Factors involved in the vegetative propagation of Medicago sativa. Nebr. U. Abs. Doct. Diss. 1950:10-12. 241.8 N28
- 50252 JOHNSON, W. M. Which grass is best? Amer. Cattle Prod. 32(11):11-13, 26. Apr. 1951. 49 P94
- In reseeded programs.
- 50253 KANNENBERG, H. Der goldene huf und zahn der weidetiere? Tierzüchter 3:223-225. Apr. 20, 1951. 49 T445
- Chiefly sheep pasture management.
- 50254 KASPIROV, A. I. On some problems in cultural practices for perennial grasses and legumes. (In Russian.) Vsesoŭzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(1):15-21. 1951. 20 Ak1
- 50255 KAUTER, A. Fodder cultivation in Switzerland and the part played in its improvement by advisory methods. In Conference on Grassland Improvement, Paris, 1950. Farm advisory methods for grassland improvement. Proceedings, p.35-43. Paris, Organ. European Econ. Co-op., 1950. 60.19 C762
- 50256 KAUTER, A. Weidewirtschaft und weidetechnik. Arb. gemeinsch. zur Förd. des Futterbaues. Mitt. 36:1-16. Oct. 25, 1950. 60.9 Ar1
- Switzerland.
- 50257 KELLER, W. New styles of grasses. Internatl. Crop Impr. Assoc. Annu. Rpt. 32:93-98. Ref. 1950. 61.9 In8Pr
- 50258 KLAGES, K. H. W. Grasses and legumes are both income producers and the stabilizers of our agriculture. Idaho. Agr. Col. Idaho Agr. Sci. 36:4-5. First Q. 1951. 276 Id13N
- Culture.
- 50259 KOHNLEIN, J. Die leistungen verschiedener einjähriger feldfutterpflanzen im anbau als haupt-, zweit- und zwischenfrucht auf grundmoräneverwitterung in Schleswig-Holstein. Kieler Milchwirt. Forschber. 2:231-259. 1950. 44.9 K542
- 50260 KÖNEKAMP, A. H. Grünlandwirtschaft und futterbau im lichte internationaler forschung und ihre praxis in den niederlanden. Berlin, Parey, 1950. 68 p. 60 K833G
- 50261 LAMBERT, J. P. The Gore Sub-Station of the Grasslands Division. New Zeal. Grassland Conf. Papers 12:52-57. 1950. 60.19 N48
- 50262 LEACH, T. Alfalfa creeps into new pastures; Rhizoma is proving itself as a high quality hay and pasture plant under conditions where other alfalfa will not survive. Family Herald & Wk. Star 82(17):5, 18. Apr. 26, 1951. 7 F21
- 50263 LEVY, E. B. Some aspects of grassland farming in Southland. New Zeal. Grassland Conf. Papers 12:34-47. 1950. 60.19 N48
- 50264 LOUI, D. Quickest grower, that's just one good point about Ladino. Prairie Farmer 123(6):28-29. Mar. 17, 1951. 6 P883
- 50265 M'INTYRE, J. C. F. Grassland improvement in Fife. Scot. Agr. 30:204-209. Spring 1951. 10 Sco82So
- 50266 MACPHERSON, D. Pasture management on a Southland fat lamb farm. New Zeal. Grassland Conf. Papers 12:17-25. 1950. 60.19 N48
- 50267 MAYER, R. Lucerne and its utilisation. In Conference on Grassland Improvement, Paris, 1950. Farm advisory methods for grassland improvement. Proceedings, p.62-72. Paris, Organ. European Econ. Co-op., 1950. 60.19 C762
- Includes discussion.
- 50268 MINOR, W. A. Giving grass a chance. Fert. Rev. 26(2):3. Apr./June 1951. 57.8 F414
- 50269 MINOR, W. A. Grasslands for abundance. Com. Fert. 82(3):28-30, 48. Mar. 1951. 57.8 C73
- With foreword by Cooper Morcock.
- 50270 MORAN, C. H. Forage crops recommendations. Maine. Agr. Expt. Sta. Mimeog. Rpt. 13, 9 p. Jan. 1951. 100 M28M
- Fertilizers and varieties.
- 50271 MOSCOW. VSESŌŪZNYI NAUCHNO-ISSLEDOVATEL'SKIĖ INSTITUT KORMOV. L'ŭbŭerna [Alfalfa]. Moskva, Gos. Izd-vo Sel'khoz Lit-ry, 1950. 389 p. 60.3 M852L
- 50272 MOSER, L. Good grassland farms conserve soil & water and build farm income. Better Farms 10(10):6, 12. Apr. 1951. 6 B462

- 50273 MURRI, M. T. Hard seeds help spread white clover. *Farm Res.* [N. Y. State Sta.] 17(2):5. Apr. 1951. 40 N48A
- 50274 MURPHY, R. P., and KUHLE, S. P. Results in New York State from the testing of several different increases of Ranger alfalfa. *Internat. Crop Impr. Assoc. Ann. Rpt.* 32:103-116. 1950. 61.9 N8Pr
Includes discussion.
- 50275 MYERS, W. M. The grasslands program in the national emergency. *Amer. Plant Food Council. J.* 5:2-6. Jan./Mar. 1951. 57.8 N992
- 50276 MYERS, W. M. Registration of varieties and strains of Bermuda grass (*Cynodon dactylon* (L.) Pers.). *Agron. J.* 43:240. May 1951. 4 Am34P
- 50277 MYERS, W. M. Registration of varieties and strains of bromegrass (*Bromus* spp.). *Agron. J.* 43:237-258. May 1951. 4 Am34P
- 50278 MYERS, W. M. Registration of varieties and strains of fescue (*Festuca* spp.). *Agron. J.* 43:237. May 1951. 4 Am34P
- 50279 MYERS, W. M. Registration of varieties and strains of timothy (*Phleum pratense*, L.). *Agron. J.* 43:240-241. May 1951. 4 Am34P
- 50280 MYERS, W. M. Registration of varieties and strains of wheatgrass (*Agropyron* spp.). *Agron. J.* 43:239. May 1951. 4 Am34P
- 50281 NEW ZEALAND GRASSLAND CONFERENCE. Papers delivered at the twelfth annual conference, Invercargill, New Zealand. n.p., 1950. 116 p. 60.19 N46
- 50282 NORDEN, F., and HÖRBERG, Y. Why grow root crops? Weibull's Original Triumf food sugar beet. Novally 1951. (In Swedish.) *Weibulls Illus. Arb.* 46:17-20. 1951. 64.9 L232
- 50283 OHIO STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Legume seed production in Ohio, by D. F. Beard. Columbus, 1950. 4 p. 275.2 Q632L6
- 50284 PEARRE, C. K. Stockmen, look to the future! Crops & Soils 3(7):13-17. Apr./May 1951. 6 W55
Chiefly range management.
- 50285 PENDER, J. M. A. Toward a pasture plan. (In Dutch.) *Drents Landbl.* 32(14):4. Apr. 7, 1951. 12 N812
Netherlands.
- 50286 PETERSON, M. L. Management makes the difference! What's your pasture IQ? Apply know how to make pastures pay! *West. Livestock J.* 29(27):44, 73-74, 76, 78. Apr. 15, 1951. 6 F2278
- 50287 PORTER, K. B., and WHITEFIELD, C. J. Sorghum varieties for the hard lands of the Texas Panhandle. *Cattlemen* 37(12):50-51. May 1951. 49 C29
- 50288 POWELL, T. RCC [Receding crimson clover] the miracle crop. *Org. Farmer* 2(8):24-27. Mar. 1951. 57.8 Or3
- 50289 REYNTENS, H. Influence de fumure et de pâturage sur la production en semences du raygrass anglais type pré à paturer R. v. P. Mello. *Annu. Agr. et Hort.* (1949/50)2:37-44. 1950. 13 An7
- 50290 SAVAGE, D. A. A challenge to stockmen and range officials. *J. Range Mangt.* 4:139-142. May 1951. 60.16 JH3
- 50291 SCHMAUDER, G. Die genossenschaftswirtschaftsproblem? *Deut. Landwirt.* 2:59-62. Feb. 1951. 16 D4022
Russian sons of Germany
- 50292 SCHMID, A. R. When is the best time to renovate? *Minn. Farm & Home Sci.* [Minn. Sta.] 8(2):8-9. Feb. 1951. 100 M66A
Minnesota pastures
- 50293 SEARS, P. D. The establishment of clovers in pasture. *New Zeal. Grassland Conf. Papers* 12:107-116. 1950. 60.19 N46
- 50294 SHIGETOMU, I., and IWAKIRI, R. Rengaso no kenkyu [Study on the Chinese milk vetch [*Antragalinus*]]. Tokyo, Yokendo, 1950. 126 p. 60.3 H62
- 50295 SHILCOCK, K. M. Planning the dairy farm for controlled grazing. *Victoria. Dept. Agr. J.* 49:63-64. Feb. 1951. 23 V60J
- 50296 SINIKFA, E. N., ed. *Myogoleitnie bobovye travy* [Perennial leguminous plants]. Moskva, Gos. Izd-vo Sel'khoz. Lit-ry, 1950. 536 p. (Leningrad. Institut Rastenievodstva. Kul'turnaya Flora SSSR. v. 13) 402.8 W69
- 50297 SLAATS, M. Amélioration de la flore de non herbages. *Annu. Agr. et Hort.* (1949/50)2:31-36. 1950. 13 An7
- 50298 SLAATS, M. Quelques caractéristiques du ray-grass anglais amélioré type à paturer; essai démonstratif établi en 1944. *Annu. Agr. et Hort.* (1950/51)3:21-25. 1951. 13 An7
- 50299 SLIJCKEN, A. VAN. Quelques considérations relatives à la culture de la luzerne. *Annu. Agr. et Hort.* (1950/51)3:33-39. 1951. 13 An7
- 50300 SOVETOV, A. V. *Izbrannye sochineniia* [Selected works]. Moskva, Gos. Izd-vo Sel'khoz. Lit-ry, 1950. 446 p. 33.31 N68
Chiefly on grass and legume culture.
- 50301 STAHR, A. Grasses of the Northeast. II. *Org. Farmer* 2(10):34-38. May 1951. 57.8 Or3
- 50302 STEVENSON, G. The development of low-country tussock grassland. *New Zeal. Grassland Conf. Papers* 12:48-51. 1950. 60.19 N46
- 50303 STUBBS, J. R. Grass, the foundation of fertility; grass is Britain's most important crop. More and more, the ability of a farmer should be judged by the quality of his grassland management. *Brit. Farm Mech.* 3:95-97. Mar. 1951. 58.8 H772
- 50304 TANTZEN, J. Zur Intensivierung der Grünlandbetriebe. *Landwirtsch. Weser-Ems* 98:276-278. Mar. 29, 1951. 18 L2345
- 50305 TESAR, M. B. They like Ladino. *Mich. Farmer* 215:293, 320-321. Apr. 7, 1951. 6 M58
- 50306 THOMPSON, W. R. Plan your pastures for profit. *Crops & Soils* 3(7):24-26. Apr./May 1951. 6 W55
- 50307 TOINER, J. The culture of lupines. III-IV. (In Dutch.) *Plattelands-Post* 7(3):6; (4):6. Jan. 20-27, 1951. 12 P69
- 50308 TOME, G. A. Verdeses Invernales; ventajas de su siembra temprana. *Soc. Rur. Argentina. An.* 85:18-20. Jan. 1951. 9 N61
- 50309 TROLL, H. J. Der stand der züchtung der schmalblättrigen blauen süßklee. *Deut. Landwirt.* 2:142-147. Mar. 1951. 18 D4622
- 50310 TWENTYMAN, R. L. Dairy pastures in Victoria. *Victoria. Dept. Agr. J.* 49:49-57, 89-91. Feb. 1951. 23 V66J
Management.
- 50311 U. S. FOREST SERV. A quiz about Grass and Cattle, a 16 mm. color-sound motion picture of the Forest Service. Washington, 1951? 4 p. 1.962 A2Q48
- 50312 VACCHEI, G. Alfalfa. (In Italian.) *Campagna* 60:19-21. Feb. 15/26, 1951. 16 C152
Culture.
- 50313 VASIL'CHENKO, I. T. *Novye dlya kul'tury vity* [New species of alfalfa for cultivation]. Moskva, Akademiia Nauk SSSR, 1950. 70 p. (Nauchno-Populjarnaja Seriia) 60.3 V44
- 50314 WALTHOFF, P. J. Résultat des expériences obtenues par l'exploitation intensive des prairies et la culture des fourrages verts sur l'exploitation mixte en terrain sablonneux. *Annu. Agr. et Hort.* (1949/50)2:22-31. 1950. 13 An7
Belgium.
- 50315 WASHINGTON STATE COLLEGE. EXTENSION SERV. Information program, grassland agriculture, State of Washington. Wash. State Col. Ext. Mimeog. 1010, 5 p. 1951? 275.29 W27M1
- 50316 WASHKO, J. B. A look at alfalfa production in the Northeast. *Better Crops Plant Food* 35(3):18-22, 46-48. Mar. 1951. 6 B46
- 50317 WASSENAAR, T. Grass the key to permanent farming; planning of sowing requirements. (In Afrikaans.) *Landbouweekblad* 32(1657):20-21. Apr. 18, 1951. 24 L232
Union of South Africa.
- 50318 WASSENAAR, T. Threat of desert in S. A. (In Afrikaans.) *Landbouweekblad* 32(1652):20-21, 23. Mar. 14, 1951. 24 L232
Forage planting.
- 50319 WEAVER, H. Observed effects on perennial grasses of prescribed burning tests in ponderosa pine. *Ariz. Cattlelog* 6(6):24-29. Ref. Feb. 1951. 43.8 Ar42
- 50320 WHITE, M. H. New Talent alfalfa makes good in Oregon. *Amer. Hereford J.* 41(24):66. Apr. 16, 1951. 43.8 Am33
- 50321 WILLIAMS, R. E. Patite fine [*Panicum hemitomon*]. *J. Range Mangt.* 4:171-172. May 1951. 60.16 JH2
- 50322 WILLIAMSON, C. E. Comparative forage utilization of Rocky Mountain mule deer and domestic livestock. (Abstr.) *Colo.-Wyo. Acad. Sci. J.* 4:55. Oct. 1950. 500 C717
- 50323 WINTERBOTHAM, J. Trefoll; old legume holds new promise. *Chemurg. Digest* 10(4):8-9. Apr. 1951. 381 N313Na
- 50324 WRIGHT, L. The Echo-Chalk Creek Range Owners' Protective Association [Utah]. *J. Range Mangt.* 4:178-180. May 1951. 60.16 JH2
- 50325 YOUNGSTROM, C. O. Stress grassland farming in Idaho. *Idaho. Agr. Col. Idaho Agr. Sci.* 36:1-2. First Q. 1951. 276 Id13N

50326 ZIMMERMANN, K. Luzernensamenbau auf neuen wegen. Deut. Landwirt. 2:175-178. Apr.1951. 18 D4822

50327 ZUGLIANI. Die alpweldebewertung. Auf der Alpe 1951:26-27. Apr.1951. 18 Au3

50328 ZURN, F. Alpine gräserzüchtung notwendig? Erfolgreiche versuche in Tirol. Auf der Alpe 1951:28-29. Apr.1951. 18 Au3

50329 ZURN, F. Grünlandwirtschaft. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949: 173-181. 1950. 19 Au72J

Oil Crops

50330 CALZECCHI-ONESTI, A. The peanut. (In Italian.) Italia Agr. 88:131-135. Mar.1951. 16 R1
Chiefly on culture.

50331 HUGHES, P. C. More bushels per acre, that's the answer! Ohio Farmer 207(7) 3,45. Apr.7,1951. 6 Oh3

Soybean production in Ohio.

50332 KESTER, E. B. Minor oil-producing crops of the United States. Econ. Bot. 5:38-59. Jan./Mar.1951. 450 Ec7

50333 KOENS, A. J. Ricinus. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. De landbouw in de Indische Archipel, III, p.609-620. 's-Gravenhage, 1950. 37 H14L

Culture and the industry.

50334 KREBS. Zur frage des sommerraps-anbaues. Deut. Landwirt. 2:22-24. Jan.1951. 18 D4822

50335 LEMBKE, H. Zum anbau der sommeröl-früchte. Deut. Landwirt. 2:117-120. Mar.1951. 18 D4822

50336 NAGEL, H. J. Versuche mit winterrapsorten zu Wybelsum (Ostfr.). Landwirtsbl. Weser-Ems 98:278-279. Mar.29,1951. 18 L2345

50337 QUINBY, J. R., and VAN HORN, D. L. Castor beans as a crop in the northern Rolling Plains area. Tex. Agr. Expt. Sta. Prog. Rpt. 1354,2 p. Apr.6,1951. 100 T31P

50338 ZIMMERMANN, H. G. Erfahrungen mit der nutzung der sonnenblume (Helianthus annuus). Deut. Landwirt. 2:89-91. Feb.1951. 18 D4822
Chiefly culture.

Sugar Crops

50339 AGGARWAL, D. C., and KISHORE, G. Sugarcane varietal position in the western tract of the Uttar Pradesh. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):53-58. 1951. 65.9 C766

50340 BARMINGTON, R. D. The extent of sugar beet emergence studies at Colorado A & M College. Amer. Soc. Sugar Beet Technol. Proc. 6:222-224. 1950. 66.9 Am35

50341 BOSE, R. D. Sugarcane development in India. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):128-138. 1951. 65.9 C766

50342 BREDOW-STECHOW, VON. Zur technik des zuckerrübenanbaues. Landwirtsbl. Weser-Ems 98 317-318. Apr.12,1951. 18 L2345

50343 BREWBAKER, H. E., BUSH, H. L., and WOOD, H. R. A quarter century of progress in sugar beet improvement by the Great Western Sugar Company. Amer. Soc. Sugar Beet Technol. Proc. 6:202-207. 1950. 66.9 Am35

50344 BURGESSER, F. W. The use of coated seed in modern agriculture. Amer. Soc. Sugar Beet Technol. Proc. 6:79-84. 1950. 66.9 Am35

For sugar beets and vegetables.

50345 CAMPBELL, S. C. Methods of utilizing the male sterile factor in sugar beet seed production. Amer. Soc. Sugar Beet Technol. Proc. 6:187-190. 1950. 66.9 Am35

50346 CHARNY, F. Le sucre. Paris, Presses Universitaires de France,1950. 125 p. ("Que Sais-je?" Le Point des Connaissances Actuelles, 417) 65 C38

50347 COOK, R. L. Tillage practices and sugar beet yields. Amer. Soc. Sugar Beet Technol. Proc. 6:286-293. 1950. 66.9 Am35

50348 COONS, G. H., and others. The U.S. 15 variety of sugar beet. Amer. Soc. Sugar Beet Technol. Proc. 6:208. 1950. 66.9 Am35

L. Stewart, C. Price and H. A. Elcock, joint authors.

50349 DAHLBERG, H. W. Chemical methods for breeding sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:137-138. 1950. 66.9 Am35

Selection based on sugar and purity determination.

50350 DEMING, G. W. Plant population experiments with sugar beets at Fort Collins, Colorado. Amer. Soc. Sugar Beet Technol. Proc. 6:256-260. 1950. 66.9 Am35

50351 DEMING, G. W. Recent results with sugar X red garden beet hybrids. Amer. Soc. Sugar Beet Technol. Proc. 6:180-183. 1950. 66.9 Am35

50352 DUTT, N. L., and RAO, J. T. Colmbators canes in cultivation, their morphological descriptions and agricultural characteristics. New Delhi, Indian Central Sugarcane Committee,1950. 82 p. 65 D952

50353 DUTT, N. L. The present cane varietal position in India. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.1):17-18. 1951. 65.9 C766

50354 DUTT, N. L., and RAO, J. T. Progeny tests on inheritance of pith in sugarcane seedlings. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.1):27. 1951. 65.9 C766

50355 EGGERBRECHT, H. Das rübensaatgut; erzeugung, herrichtung und vertrieb von zucker- und futter-rübensaatgut unter besonderer berücksichtigung der untersuchung und bewertung. Radebeul, Neumann, 1950. 84 p. 66 Eg3

50356 GASKILL, J. O. Possibilities for improving storage-rot resistance of sugar beets through breeding. Amer. Soc. Sugar Beet Technol. Proc. 6:664-669. 1950. 66.9 Am35

50357 HEALD, W. R., MOODIE, C. D., and LEAMER, R. W. The production of sugar beets on a saline soil as affected by the type of leaching. Amer. Soc. Sugar Beet Technol. Proc. 6:448-452. 1950. 66.9 Am35

50358 HEINISCH, O. Probleme des rübensamenbaues. Deut. Landwirt. 2:193-199. Ref. Apr.1951. 18 D4822

50359 HOLKENSVIG, O. A. Getting stands. Amer. Soc. Sugar Beet Technol. Proc. 6:225-227. 1950. 66.9 Am35

50360 HUNTER, J. R., and DEXTER, S. T. Some seed-soil moisture studies with sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:270-274. 1950. 66.9 Am35

50361 HUSSAINY, S. A. On certain factors affecting the germination of sugarcane setts. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):24-36. Ref. 1951. 65.9 C766

50362 KHANNA, K. L., and SEN, S. C. Pre-harvest defoliation of cane and its bearing on tonnage and juice quality. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.2):45-46. 1951. 65.9 C766

50363 LARSEN, J. B., ANDERSON, S. S., and ARMER, A. A. Yield studies of mechanically thinned sugar beet trials in California. Amer. Soc. Sugar Beet Technol. Proc. 6:239-242. 1950. 66.9 Am35

50364 MAGGIONI, G. The sugar beet in mountain areas. (In Italian.) Agr. Tosc. 6:93-94. Mar.1951. 16 Ag827

50365 MAZLUMOV, A. L. Selskislia sakharnoi svëkly [Selection of sugar beets]. Moskva, Gos. Izd-vo Selkhoz. Lit-ry,1950. 175 p. Ref. 66 M45

50366 MOLLER A., E. Las fallas más frecuentes que impiden un mayor éxito de los cultivos de betarraga sacarina. Agr. Austral 19:55-58. Feb.1951. 9.3 Ag842

50367 MURPHY, A. M., and others. Performance of three male-sterile sugar beet hybrids. Amer. Soc. Sugar Beet Technol. Proc. 6:184-186. 1950. 66.9 Am35

G. K. Ryser, C. H. Smith, and F. V. Owen, joint authors

50368 OCHERETIANY, V. A. Effect of injuries to sugar beets for planting on the natural characteristics of the seeds. (In Russian.) Sakh. Promysh. 24(12):36-38. Dec.1950. 65.8 Sa2

50369 OWEN, F. V. The sugar beet breeder's problem of establishing male-sterile populations for hybridization purposes. Amer. Soc. Sugar Beet Technol. Proc. 6:191-194. 1950. 66.9 Am35

50370 PACK, D. A., and OWEN, F. V. Viability of sugar beet seed held in cold storage for 22 years. Amer. Soc. Sugar Beet Technol. Proc. 6:127-129. 1950. 66.9 Am35

50371 PARTHASARATHY, S. V., and LAKSHMIKANATHAM, M. Characteristics of cane varieties and their importance in cultivation. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):37-45. Ref. 1951. 65.9 C766

50372 PARTHASARATHY, S. V., and REDDY, K. R. A new method for propping sugarcane. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):22-24. 1951. 65.9 C766

50373 PARTHASARATHY, S. V. The problem of varietal schedule in Madras State. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):46-53. 1951. 65.9 C766

50374 PATWARDHAN, N. B. Is Co. 419 deteriorating? Conf. Sugarcane Res. Workers Indian Union. Proc. 9(2,sect.1):2-3. 1951. 65.9 C766

- 50375 PENDLETON, R. A. Effects of freezing of sugar beets being overwintered in the field for seed production in western Oregon. *Amer. Soc. Sugar Beet Technol. Proc.* 6:122-126. 1950. 66.9 Am35
- 50376 PENDLETON, R. A. Soil compaction and tillage operation effects on sugar beet root distribution and seed yields. *Amer. Soc. Sugar Beet Technol. Proc.* 6:278-285. 1950. 66.9 Am35
- 50377 PETERSON, D. F., and CORMANY, C. E. Hybrid combinations among mother line progenies. *Amer. Soc. Sugar Beet Technol. Proc.* 6:173-175. 1950. 66.9 Am35
- 50378 PETO, F. H. Moisture content and germination of sugar beet seed. *Amer. Soc. Sugar Beet Technol. Proc.* 6:97-99. 1950. 66.9 Am35
- 50379 RIETBERG, H. Sugar beet problems in the Netherlands, as contrasted with those in America. *Amer. Soc. Sugar Beet Technol. Proc.* 6:15-19. 1950. 66.9 Am35
- 50380 ROBBINS, W. W. The future of the sugar beet. *Amer. Soc. Sugar Beet Technol. Proc.* 6:2-8. 1950. 66.9 Am35
- 50381 SAVITSKY, V. F. A method of selection for earliness of root development in sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:195-198. 1950. 66.9 Am35
- 50382 SAVITSKY, V. F. Monogerm sugar beets in the United States. *Amer. Soc. Sugar Beet Technol. Proc.* 6:156-159. 1950. 66.9 Am35
- 50383 SINGH, J. Sugarcane in Uttar Pradesh. *Al-lahabad Farmer* 25(1):40-47. Jan. 1951. 22 AL5
- 50384 STEWART, D. Sugar beet X Beta procumbens, the F1 and backcross generations. *Amer. Soc. Sugar Beet Technol. Proc.* 6:176-179. 1950. 66.9 Am35
- 50385 STEWART, D. Sulphuric acid scarification of seedballs of Beta trigyna and other Beta spp. *Amer. Soc. Sugar Beet Technol. Proc.* 6:101-102. 1950. 66.9 Am35
- 50386 TALLARICO, G. Sugar and oil from the Sila plain. (In Italian.) *Glor. di Agr.* 61:117. Apr. 15, 1951. 16 I11G
- Culture of sugar beets and sunflowers.
- 50387 TINGLEY, R. J. Beet seed standardization. *Amer. Soc. Sugar Beet Technol. Proc.* 6:85-87. 1950. 66.9 Am35
- Segmented seed.
- 50388 VOGELSANG, P. New techniques in seed pelleting. *Amer. Soc. Sugar Beet Technol. Proc.* 6:76-78. 1950. 66.9 Am35
- 50389 WOOD, R. R., BREWBAKER, H. E., and BUSH, H. L. Cold resistance in sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:116-121. 1950. 66.9 Am35
- Tobacco**
- 50390 BENNETT, R. R., HAWKS, S. N., JR., and GARRISS, H. R. Tobacco varieties in North Carolina. *N. C. Agr. Col. Ext. C.* 302, rev., 19 p. Feb. 1951. 275.29 N811
- 50391 BOURGIN, L. La culture du tabac (burley) au Maroc. *Inform. Marocaine* 533:1,3;534:4. (Cont.) Mar. 31-Apr. 7, 1951. 281.8 In3
- 50392 CHRISTOPEIT, E. Erfahrungen des qualitäts-tabakbaues. *Landwirts. Wchnbl. f. Westfalen u. Lippe* 108A:483. Mar. 29, 1951. 18 L2346
- 50393 CORBETT, G. Burley tobacco. *Countryman [Nicosia]* 5(3):6-7. Mar. 1951. 25 C82
- 50394 MAES, L. La culture tabacicole belge. *Annu. Agr. et Hort.* (1949/50)2:53-60. 1950. 13 An7
- 50395 OOKUMA, K. Tabako no saibai [Cultivation of tobacco]. Tokyo, 1950. 230 p. (New Agr. Libr. 4.) 22.5 Sh66
- 50396 SIMON, A. M. Perspectives d'avenir du tabac indigène belge. *Annu. Agr. et Hort.* (1950/51)3:44-50. 1951. 13 An7
- Culture.
- HORTICULTURAL CROPS**
- Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.
- General**
- 50397 AUSSET, F. Lutte contre les gelées dans le département de l'Aude. *France. Min. de l'Agr. B. Tech. d'Inform.* 56:106-112. Jan./Feb. 1951. 14 F844B
- 50398 BERG, B., and KASS, G. Die gärtnerische berufsschule. Stuttgart, Ulmer, 1950-51. 3 v. 90.4 B45
- 50399 BETTER HOMES AND GARDENS. Garden book; a year-round guide to practical home gardening. Des Moines, Iowa, Meredith, 1951. 480 p. 90 B463G
- 50400 BETTER HOMES AND GARDENS. Gardening guide. Rev. ed. Des Moines, Meredith, 1951. 202 p. 90 B463
- 50401 BODE, H. Der ländliche hausgarten. Arolsen, Weizacker, 1950. 160 p. (Luisenhofer Lehrbücher. Heft 3) 90 B637
- 50402 BRANAS, J. Lutte contre les gelées. *Prog. Agr. et Vitic.* 1951:137-142. Mar. 18/25, 1951. 14 P94
- 50403 BROWN, A. R. Far North [Canada] gardens Country Guide 1951:14, 52. Apr. 1951. 7 G76
- 50404 CONNORS, C. H. Weights and measures for gardeners. *Flower Grower* 38(5):40-41. May 1951. 80 M72
- 50405 CORNU, C. Précisions sur l'opération de paraffinage (adjuvant du greffage). *Prog. Agr. et Vitic.* 1951:171-172. Apr. 1/8, 1951. 14 P94
- 50406 EIDISSEN, H. Horticultural instruction. (In Norwegian.) *Gartneryrket* 41:151-153. Mar. 3, 1951. 80 G1938
- 50407 GLAZE BROOK, J. H. Plant propagation. 6. Layering. *Lincoln Col. Rur. Educ. B.* 6:26-28. Mar. 1951. 109 C162
- 50408 GRAVES, H. Don't over garden. *Dakota Farmer* 71(8):50-51. Apr. 21, 1951. 6 D14
- 50409 HASTINGS, W. R. Expected introductions for 1952 are four flower varieties and seven vegetable winners. *Seed Trade News* 56(10):1,4-5. Mar. 7, 1951. 61.8 Se3
- All-America Selections.
- 50410 HENRIOT, E. Procédés de multiplication et de greffage. *Prog. Agr. et Vitic.* 1951:172-174. Apr. 1/8, 1951. 14 P94
- 50411 HIEMELEERS, J. War damage to fruit trees. (In Flemish.) *Tuinbouwberichten* 15:41-43. Mar. 15, 1951. 80 T817
- 50412 HOFF, S. Up to date vocational school for gardeners in Stockholm. (In Norwegian.) *Gartneryrket* 41:222-223. Mar. 31, 1951. 80 G1938
- 50413 KANSAS STATE HORTICULTURAL SOCIETY. The biennial report, v. 50. Topeka, 1950. 157 p. 81 K13
- 50414 KELLY, G. W. Rocky Mountain horticulture is different; how to modify our climate to fit the plants and how to select plants to fit our climate. Denver, Green Thumb Council, 1951. 160 p. 90.3 K29
- 50415 LANG, F. Frost protection in Switzerland. *Fruit-Grower* 2889:851-852. May 10, 1951. 80 F941
- 50416 MEISSNER, K. Überlegungen, die sich lohnen! Landfrauenarbeit 1951:91-92. Mar. 24, 1951. 18 L2347
- Horticulture.
- 50417 MERFIELD, A. G. Further aspects of cloche culture. *Orchardist New Zeal.* 24(2):13-14, 17. Mar. 5, 1951. 80 Or19
- 50418 MOSER, J. C. List of Tennessee certified nurseries, collectors of native shrubs, greenhouses, strawberry plant growers and bulb growers, 1950-1951. Tenn. Div. Insect & Plant Dis. Control. B. 106, 45 p. 1951. 423 T25
- 50419 NEW YORK STATE HORTICULTURAL SOCIETY. Proceedings of the 96th annual meeting, 1951. Rochester? 1951. 351 p. 81 N484
- 50420 NORDAL, O. Horticultural instruction. (In Norwegian.) *Gartneryrket* 41:239-240. Apr. 7, 1951. 80 G1938
- 50421 OREGON STATE HORTICULTURAL SOCIETY. Proceedings, sixty-fifth annual meeting, Corvallis, November 30 and December 1, 1950. n.p., 1950. 159 p. 81 Or32
- Includes Nut Growers Society of Oregon and Washington thirty-sixth annual meeting, Salem, December 7-8, 1950.
- 50422 PRIMOST, E. Bericht über den stand der obstbauforschung an der versuchsstation East-Malling (England). *Bodenkultur* 4:514-517. 1950. 19 B635
- 50423 REBHAN, J. Horticultural census. *Florists' Rev.* 108(2791):15-16. May 24, 1951. 80 W41
- 50424 REYNTENS, H. Intensive use of high crowned grassed orchards. (In Flemish.) *Tuinbouwberichten* 15:39-41. (To be cont.) Mar. 15, 1951. 80 T817
- 50425 SAKURA, K. Engaika hitsukei [Handbook for the gardener]. Tokyo, Yokendo, 1950. 512 p. 90.1 Sa22
- 50426 SCHEER, C. D. The horticultural plan. (In Dutch.) *Groenten en Fruit* 6:615. Mar. 1, 1951. 80 G89
- 50427 SCHEER, C. D. Plan for horticultural expansion. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:81. Mar. 16, 1951. 80 V22
- 50428 SCHUBERT, W. Dein helfer im garten. Ed. 2. Frankfurt am Main, Lutzeyer, 1950. 148 p. (Friesdorfer Hefte. Heft 10) 91.15 Sch82

50429 SEYMOUR, E. L. D., ed. The Wise garden encyclopedia; a complete, practical and convenient guide to every detail of gardening, written by a group of horticultural experts. With a special supplement on Your first garden, a guide for the beginner, by C. H. Woodward. New York, Wise, 1951. 1380 p. 90.01 Se9

Published 1946 under title: The new garden encyclopedia

50430 SMITH, B. C. Seed cleaning studies at Ohio.

Amer. Nurseryman 93(9):9. May 1, 1951. 80 Am371

50431 SONESSON, N. Sweden's Pomological Association 50 years. (In Swedish.) Sveriges Pomol. För. Årsskr. 1950:17-108. 86 Sv2

50432 STIRNBERG. Die bebauung des bäuerlichen hausgartens. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:447-448. Mar. 22, 1951. 18 L2346

50433 STOUGHTON, H. H. Cultivos sin tierra: hidroponicos. Charla Rur. 149:55-57. Mar. 1951. 9 C37

50434 STRATTON, C. L. Market gardening within the city limits. New Eng. Homestead 124(5):14-15. Mar. 10, 1951. 6 N442

50435 STUIVENBERG, J. H. M. V. The Bremerton. (In Dutch.) Fruitteelt 41:151-153. Mar. 1, 1951. 86 N28 Orchard management.

50436 SUZUKI, K. Green house farming in Shizuoka prefecture. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p.90-97. Shidzuoka, 1950. 107.6 Sh6Co

50437 TAKAGI, T. Kani onshitsu engei [Simple hot-house gardening]. Tokyo, Asakura-Shoten, 1950. 173 p. 90.13 T122

50438 TORREGIANI, I. The practice of grafting. (In Italian.) Lotte Contadine 2(5):5. Mar. 25, 1951. 16 L91

50439 U. S. EXTENSION SERV. Renewed emphasis in 1951 on gardening and home food preservation. Tentative. Washington, 1951. 5 p. 1.913 F4R292

50440 WELLS, J. S. Pointers on propagation. Amer. Nurseryman 93(8):11,73. Apr. 15, 1951. 80 Am371

50441 WOOD, A. H., JR. The first American gardens. Horticulture 29:175. May 1951. 80 H787

Fruits--General

50442 ABMEYER, E. Northeast Kansas experiment fields. Kans. State Hort. Soc. Bien. Rpt. 50:42-43. 1950. 81 K13

Fruit culture investigation.

50443 ALDERMAN, W. H. New Minnesota fruits for 1951. Amer. Nurseryman 93(8):13-14, 29-31. Apr. 15, 1951. 80 Am371

50444 BARGIONI, G. Activity and program of the Fruit Production Center of Ferrare. (In Italian.) Riv. della Ortoflorofrutticoltura. Ital. 35:93-98. Ref. Mar./Apr. 1951. 86 R22

50445 BEAR, E. M. Waterlogging may be the death of some trees. Grower [London] 35:816-817. Apr. 21, 1951. 286.83 M34

Fruit.

50446 BURKHOLDER, C. L. A few interesting things fruit growers are doing in the Eastern States. Kans. State Hort. Soc. Bien. Rpt. 50:76-81. 1950. 81 K13

Includes discussion

50447 BUSH, R. A fruit-grower's diary. London, Faber and Faber, 1950. 248 p. 93.24 B96Fru

50448 COUCHMAN, B. California fruit interests see need for increased facilities at the UC College of Agriculture: our industry is being short-changed! West. Fruit Grower 5(5):19. May 1951. 95.8 G762

50449 CUMBERLAND-SHENANDOAH FRUIT WORKERS CONFERENCE. Proceedings, 26th annual meeting, Frederick, Maryland, Nov. 24-25, 1950. n.p., 1950. 121 p. 81 C91

50450 CUTTING, M. C. Fruit breeding in northern Great Plains. Amer. Fruit Grower 71(5):26. May 1951. 80 G85

50451 DELMAS, H. G. Problèmes pratiques concernant plantation des arbres fruitiers. Prog. Agr. et Vitic. 1951:198-202. Apr. 15/22, 1951. 14 P94

50452 GARAYAR, H. N. Como acelerar el crecimiento de los injertos. Agronomia [Lima] 15(64):51-53. Dec. 1950. 9.8 Ag83

Fruit.

50453 GOULD, E. Benzene hexachloride soil treatment in relation to tree growth and fruiting responses. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:117-118. 1950. 81 C91

50454 GRUNBERG, I. P. Raleo de plantas frutales. Soc. Rur. Argentina. An. 85:14. Jan. 1951. 9 So1

50455 HALL, C. W. B. The farm orchard. Estate Mag. 51:154-155. Apr. 1951. 10 Es8 Management in England.

50456 HARTMAN, H. The quality factor in fruit production. Oreg. State Hort. Soc. Proc. 65:56-58. 1950. 81 Or32

50457 HILTON, R. J. Prairie fruit garden. Family Herald & Wk. Star 82(17):3,17. Apr. 26, 1951. 7 F21 Chiefly varieties.

50458 JAENICHEN, R. Obstbaumpflanzung, ein ratgeber für kleingärtner und siedler, für gartenbesitzer und obstbaumfreunde. Berlin, Gartenverlag, 1950. 60 p. 93.5 J25

50459 KUNEYL, H. L'arboriculture en Argentine. Fruits et Primeurs de l'Afrique du Nord 21:81-90. Mar. 1951. 80 F9482

50460 LEGHIS, L. M. L'effort italien en viticulture et arboriculture. Paysan Franç. 26(399):20. Mar. 1951. 14 P29

50461 LEVERING, S. L. Fruit growing in Virginia. N. Y. State Hort. Soc. Proc. 96:236-238. 1951. 81 N484

50462 MÜLLER, H. Pillnitzer vegetativ vermehrte birnenunterlagen. (2. mitteilung). Züchter 20:352-356. 1950. 442.8 Z8

50463 MURNEEK, A. E. How successful is chemical thinning of fruit? Kans. State Hort. Soc. Bien. Rpt. 50:117-121. 1950. 81 K13

50464 MUTTOO, R. N. Honey bees and fruit crops. Indian J. Hort. 7(3/4):17-20. Sept./Dec. 1950. 80 In2

50465 NATIVIDADE, J. V. Pruning and productivity of fruit trees. (In Portuguese.) Portugal. Junta Nac. das Frutas. B. 10:197-209. Second Q. 1950. 286.3939 P83 English summary.

50466 NORO, K. Some studies on the fruit trees. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p.1-11. Ref. Shidzuoka, 1950. 107.6 Sh6Co

50467 POENICKE, W. Anzucht hochwertiger obstbäume und beerensträucher. Ed. 3. Berlin, Deutscher Bauernverlag, 1950. 103 p. (Schriftenreihe Deutscher Bauernverlag. Bd. 26) 93.26 P77A

50468 RUDLOFF, C. F., and SCHANDERL, H. Die befruchtungsbiologie der obstgewächse und ihre anwendung in der praxis. Ed. 3. Stuttgart, Ulmer, 1950. 152 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 64) 93.6 R83

50469 SCHMIDT, M. Die bedeutung Mitschurins für die obstzüchtung und den deutschen obstbau. Deut. Landwirt. 2:10-14. (Concl.) Jan. 1951. 18 D4822

50470 SENNER, A. Praktischer obstbau; anbau, pflege und verwendung des kern-, stein-, schalen- und beerenobstes. Ed. 4. Frankfurt am Main, Diesterweg, 1950. 63 p. 93 Se5

50471 SØRENSEN, M. Observation plantings of fruit varieties. (In Danish.) Haven 51:8-9. Jan. 1951. 80 H29

50472 SPRENG, H., and others. Obstbau. Zollikofen Oekonomische und Gemeinnützige Gesellschaft des Kantons Bern, 1950. 23 p. 93.26 Sp70

H. Schmid, A. Bauer, and F. Bieri, joint authors.

50473 STARK, P., JR. The fruit areas of America; the Ozarks. Amer. Fruit Grower 71(4):14-15, 36-37. Apr. 1951. 80 G85

50474 VARMA, S. R. Science of orcharding. Indian J. Hort. 7(3/4):34-36. Sept./Dec. 1950. 80 In2

50475 VERCIER, H. J. Arboriculture fruitière. Ed. 25, enl. Paris, Hachette, 1950. 405 p. (Encyclopédie des Connaissances Agricoles) 93.5 V58A

50476 WINKELMANN, H. Das schneiden der obstbäume und beerensträucher. Ed. 5. Stuttgart, Ulmer, 1950. 103 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 69) 93.5 W72S

Fruits--Citrus and Subtropical

50477 BEN-HAIM, N. The Ettinger avocado at Mikveh-Israel. (In Hebrew.) Hassadeh 31:338-339. Apr. 1951. 26 H27

50478 BISSLAND, H. R. Planting citrus on the contour. Fla. Grower 59(5):11,15. May 1951. 80 F6622

50479 BRISKER, H. Thinning of citrus groves. (In Hebrew.) Hassadeh 31:336-337. Apr. 1951. 26 H27

50480 CALIFORNIA FIG INSTITUTE. Annual report, sixteenth annual meeting, January 26, 1951, Fresno, Calif. Fresno, 1951. 46 p. 93.44 C122A

50481 COOPER, W. C., and OLSON, E. O. The citrus rootstock problem. Tex. Farming & Citricult. 27(10):10. Apr. 1951. 80 T31

50482 CRANE, J. C. Figs, wasps and hormones. Amer. Fruit Grower 71(4):11,30-34. Apr. 1951. 80 G85

50483 GIORGINI, G. Como se coltiva l'olivo; manuale pratico dell'agricoltore [How to grow olives; practical manual for the farmer]. Milano, Hoepli, 1951. 141 p. 94.7 G43

- 50484 GOOR, A. On the olive tree. (In Hebrew.) Hassadeh 31:239-241. (Concl.) Feb.1951. 26 H27
- 50485 HARTMANN, H., and PAPAIOANNOU, P. Olive varieties in California. Calif. Agr. Expt. Sta. B. 720, 55 p. Ref. Feb.1951. 100 C12S
- 50486 ITIE LECOAT, M. El cultivo del plátano. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(64):17-21. Oct./Dec.1950. 9.5 M31
- 50487 JEATER, J. G., CANN, H. J., and EASTWOOD, H. W. Hormones used to destroy bananas; a cheap, easy and efficient method. Agr. Gaz. N. S. Wales 62:77-81. (Cont.) Feb.1,1951. 23 N472
- 50488 KITCHIN-KERR, G. E. Per tree yields low; Victorian averages indicate high percentage of dying trees and neglected holdings. Citrus News 27:26,30-31. Feb.1951. 80 C494
- 50489 LA CULTURE de l'olivier au Maroc. Terre Marocaine Spec. No. 1951:3-19. Ref. 24 T44
- 50490 LAGOS U., J. A. Frutas tropicales: el limón-ro. Agr. Costarricense 9:96. Feb.1951. 8 Ag895
- 50491 LAWRENCE, F. P. Care of the young citrus grove. 3. Fla. Grower 59(5):29. May 1951. 80 F6622
- 50492 MCGILLIVRAY, K. D. Group education for citrus growers; new orchardists attend one-day schools. Agr. Gaz. N. S. Wales 62:29-31. Jan.1,1951. 23 N472
- 50493 MALKIN, J. The problem of citrus development in southern Israel. (In Hebrew.) Hassadeh 31:237-239. Feb.1951. 26 H27
- 50494 MAURI, N. Le controle des pépinières au Maroc. Fruits et Primeurs de l'Afrique du Nord 21:102-103. Mar.1951. 80 F9482
- Citrus.
- 50495 MOHANTY, K. B. Citrus cultivation. Allahabad Farmer 25(1):32-39. Ref. Jan.1951. 22 AL5
- 50496 PASQUINUCCI, G. Sexual or asexual reproduction of the olive? (In Italian.) Terra [Firenze] 62(14):6. Apr.8,1951. 16 T274
- 50497 PELEGRIN, P. L'Institut des Fruits et Agrumes Coloniaux en Côte d'Ivoire. Marchés Colon. 7:1207-1209. Apr.28,1951. 286.8 M33
- Importance of research for the economy of the Ivory Coast.
- 50498 PESCOTT, E. E. The tree of peace. Westralian Farmers Co-op Gaz. 20(388):39,41. Jan.1951. 280.28 W522
- Olive culture.
- 50499 POPENO, W. Toltec, another new horticultural variety of avocado. Ceiba 1:225-227. Apr.18, 1951. 475 C32
- 50500 ROY, R. S. Cultivation of banana in Bihar. Indian Farming 11:179-182. May 1950. 22 In283
- 50501 RUTHERFORD, D. M. Coachella to Yuma. Calif. Citrog. 36:284-286. May 1951. 80 C125
- Citrus culture.
- 50502 SAMISH, Z. Olive industry in Greece and Turkey. (In Hebrew.) Hassadeh 31:279-282,334-336. Mar.-Apr.1951. 26 H27
- 50503 SAVAGE, Z. Movement of citrus trees from nurseries. Citrus Mag. 13(8):30-32. Apr.1951. 80 C498
- Varieties in Florida.
- 50504 SMOYER, K. M. Planting citrus trees. Calif. Citrog. 36:269,308. May 1951. 80 C125
- Also in Citrus Leaves 31(5):14-15. May 1951. 80 C492
- 50505 THORPE, A. E. The California Fig Institute. Calif. Fig Inst. Annu. Rpt. 16:1-11. 1951. 93.44 C122A
- 50506 VALLEGGI, M. The effect of annular incisions on the production of table olives. (In Italian.) Olearia 5(1/2):19-23. Jan./Feb.1951. 307.8 OL2
- English summary.
- 50507 WARNER, R. M. Research department. Calif. Fig Inst. Annu. Rpt. 16:12-19. 1951. 93.44 C122A
- California Fig Institute.
- 50508 WHITE, F. A. Parent tree identification. Citrus Leaves 31(4):33-34. Apr.1951. 80 C492
- Fruits--Deciduous
- 50509 ALDERMAN, W. H. A new cherry and apple developed for Minnesota. Minn. Farm & Home Sci. [Minn. Sta.] 8(2):16. Feb.1951. 100 M668
- 50510 BLOOIS, J. DE. Pollination and fruit set of peach and plum under glass. (In Dutch.) Groenten en Fruit 6:636. Mar.8,1951. 80 G89
- 50511 BORUP, O. V. Winter pruning of apples. (In Danish.) Haven 51:21-22. Feb.1951. 80 H29
- 50512 BRASE, K. D. Propagating clonal apple rootstocks. Farm Res. [N. Y. State Sta.] 17(2):7. Apr.1951. 100 N48A
- 50513 BREAZEALE, J. V. Some chemical thinning experience in New Jersey. N. J. State Hort. Soc. Hort. News 32:2376,2380. Mar.1951. 81 N46
- Apples.
- 50514 BRUNNER, H. Bauer, das schicksal des obstbaues liegt in deiner hand! Grüne 79:130-134. Feb.2,1951. 17 Sch9
- Switzerland.
- 50515 BURKHOLDER, C. L., and SHARVELLE, E. G. Kinks and cuffs of the peach and apple business. Kans. State Hort. Soc. Bien. Rpt. 50:49-53. 1950. 81 K13
- Cultural problems.
- 50516 CENTRE D'EXPERIMENTATION DE PÉPINIÈRES. Sélection de porte-greffes, v. 1. n.p.,1950. 89 p. 86 C33
- For apples.
- 50517 CURTIS, C. H. Apples of gold. Young Farmer 19:101-102. Mar./Apr.1951. 10 Y8
- Apple varieties.
- 50518 EVREINOFF, V. A. Biological observations on the apricot. (In Italian.) Humus 7(3):18-20. Mar.1951. 16 H88
- Culture and effects of drought and cold.
- 50519 GERRITSEN, J. D., and JONGE, C. D. The Red Goudreinet. (In Dutch.) Fruitteelt 41:188-189. Mar.15, 1951. 86 N28
- Apple varieties
- 50520 HEESEN, G. J. Spring treatment of peaches and plums. (In Dutch.) Groenten en Fruit 6:671-672. Mar.22,1951. 80 G89
- Thinning of fruit.
- 50521 HERR, F. Vorzeitige vergreisung unserer apfelbuschanlagen. Obstbauversuchsring. Mitt. 6:3-5. Jan.1951. 85 J76
- 50522 HIEMELEERS, J. News in fruit growing. (In Flemish.) Tuinbouwberichten 15:7-9. Jan.15,1951. 80 T817
- 50523 HOFFMAN, M. B. Post-bloom thinning of peaches and apples. N. Y. State Hort. Soc. Proc. 96:225-230. 1951. 81 N484
- 50524 HOFFMAN, M. B. Results with hormone for delaying the harvest drop of apples. N. Y. State Hort. Soc. Proc. 96:219-225. 1951. 81 N484
- 50525 HUBBARD, E. S. McIntosh flavor contest. N. Y. State Hort. Soc. Proc. 96:294-296. 1951. 81 N484
- 50526 KOOPMANS, W. New apples. (In Dutch.) Fruitteelt 41:206-207. Mar.22,1951. 86 N28
- 50527 KUEHNER, C. L. How to prune young fruit trees. Wis. Hort. 42,i.e.41:208. May 1951. 80 W752
- 50528 LIJSTEN, R. Selection of new fruit varieties. (In Dutch.) Fruitteelt 41:204-205. Mar.22,1951. 86 N28
- 50529 MICHIGAN. BUR. OF PLANT INDUSTRY. A report on certification of stone fruit nursery stock in Michigan. Lansing,1950. 23 p. 464.06 M582
- 50530 PEARCE, S. C., and THOM, J. M. S. The variability of apple trees. II. The optimum size for unguarded plots. J. Hort. Sci. 26:98-108. Ref. Mar.1951. 80 J825
- 50531 STRUCKMEYER, B. E. Thinning apples with chemicals. Wis. Hort. 42:168-170. Apr.1951. 80 W752
- Fruits--Small
- 50532 AUSSET, F. Plantations et motorisation dans le département de l'Aude. France. Min. de l'Agr. B. Tech. d'Inform. 56:34-37. Jan./Feb.1951. 14 F844B
- Viticulture.
- 50533 BASTELEUS, R. Les procédés de plantation des boutures utilisés dans les serres belges. Prog. Agr. et Vitic. 1951:151-155. Mar.18/25,1951. 14 P94
- Grapes.
- 50534 BERARDO, C. Enquête sur les nouveaux porte-greffes de la vigne. Agriculture [Paris] 15:86. Mar.1951. 14 Ag823
- 50535 BEVILACQUA, I. Cherry varieties in the Modena region. (In Italian.) Campagnolo 6:17-18. Mar. 1951. 16 C15
- 50536 BIRON, M. Gamay en Turquie. Prog. Agr. et Vitic. 1951:194-198. Apr.15/22,1951. 14 P94
- Grape variety.
- 50537 BOULAY, F. Le greffage à la paraffine; un peu de nouveauté en matière de multiplication de la vigne. France. Min. de l'Agr. B. Tech. d'Inform. 56:70-73. Jan./Feb.1951. 14 F844B
- 50538 BOYER, L. L'approvisionnement en boutures greffables en Champagne. France. Min. de l'Agr. B. Tech. d'Inform. 56:47-51. Jan./Feb.1951. 14 F844B
- 50539 BROOKS, A. N., and KELSHEIMER, E. G. Strawberries in Florida; culture, diseases, and insects. Fla. Agr. Col. Ext. B. 148,32 p. Feb.1951. 275.29 F66

- 50540 BRUNO, B. Etudes ampélographiques. *Prog. Agr. et Vitic.* 1951:165-167. Apr.1/8,1951. 14 P94
- 50541 CALZECCHI-ONESTI, A. Culture of the strawberry. VI. (In Italian.) *Gior. di Agr.* 61:99-100. Apr.1, 1951. 16 It1G
- 50542 CAMPBELL, R. W. Performance records of more than forty varieties of grapes in the College vineyard. *Kans. State Hort. Soc. Bien. Rpt.* 50:70-73. 1950. 81 K13
- 50543 CHRIST, E. G. Small fruit production in New Jersey. *N. Y. State Hort. Soc. Proc.* 96:292-294. 1951. 81 N484
- 50544 COUVREUR-PERIN, R., and FRANÇOT, P. L'amélioration de l'encépagement en Champagne. France. *Min. de l'Agr. B. Tech. d'Inform.* 56:60-62. Jan./Feb. 1951. 14 F844B
- 50545 CUSSON, J. Une coopérative d'approvisionnement en boutures greffables. France. *Min. de l'Agr. B. Tech. d'Inform.* 56:51-52. Jan./Feb.1951. 14 F844B
- 50546 DALMASSO, G. Genetics to the aid of Piedmont wine manufacture. (In Italian.) *Cron. Econ.* 97:11-14. Jan.1951. 280.8 C882
- 50547 DEMPSEY, P. W. Grow your own strawberries. *New Eng. Homestead* 124(5):21-23. Mar.10,1951. 6 N442
- 50548 GARMÍ, J., and ZIEV, S. Hymonatica—a late grape variety. (In Hebrew.) *Hassadeh* 31:283-284. Mar.1951. 26 H27
- 50549 GIRAUD, L. Porte-greffes a base de Berlandieri. *Inform. Marocaine* 532:1,4. (Cont.) Mar.24, 1951. 281.8 In3
- 50550 HEUSS, T. Weinbau und weingärtnerstand in Heilbronn a. N. Neudruck, Neustadt/Haardt, Meininger, 1950. 128 p. 95.3 H48
- 50551 HIDALGO FERNÁNDEZ-CANO, L. Contribución al estudio de portainjertos. Indices de vigor. Spain. *Inst. Nac. de Invest. Agron. B.* 10:501-524. Dec. 1950. 105.6 Sp14
- For grapes.
English summary.
- 50552 IDENTIFICATION of grape varieties; a seminar. *Amer. Soc. Enol. Proc.* 1:16-20. 1950. 390.9 Am33
- H. P. Olmo, leader.
- 50553 JAUBERT, P. Híbridos productores directos, en la Prov. de Bs. Aires. *Vinos, Vinas y Frutas* 45:372-373. Feb.1951. 9 Ag89
- 50554 LEVADOUX, L. La sélection des greffons. France. *Min. de l'Agr. B. Tech. d'Inform.* 56:52-60. Ref. Jan./Feb.1951. 14 F844B
- Grapes.
- 50555 LONG, J. Que faut-il penser des hybrides en viticulture? France. *Min. de l'Agr. B. Tech. d'Inform.* 56:62-67. Jan./Feb.1951. 14 F844B
- 50556 MANDIGO, J. Experiences with small fruit production in Michigan. *N. Y. State Hort. Soc. Proc.* 96:202-206. 1951. 81 N484
- 50557 MARRES, P. La vigne et le vin en France. Paris, 1950. 224 p. (Collection Armand Colin (Section de Géographie) No. 263) 95.35 M34
- 50558 MOREAU, E., and NICAISE, C. La stratification des boutures greffées en chambre chaude. France. *Min. de l'Agr. B. Tech. d'Inform.* 56:67-69. Jan./Feb. 1951. 14 F844B
- Grapes.
- 50559 PARKS, T. H. Making record grape yields. *Amer. Fruit Grower* 71(4):12,37. Apr.1951. 80 G85
- 50560 PARSONS, H. Dutchlight structures for grapes? *Fruit-Grower* 2888:801-802. May 3,1951. 80 F941
- 50561 REMOND, J. Le rôle de l'Institut Coopératif de Sélection de Bois et Plants de Vigne et de Génétique Viticole. France. *Min. de l'Agr. B. Tech. d'Inform.* 56:46-47. Jan./Feb.1951. 14 F844B
- 50562 RIVEROS, J. E. Consideraciones sobre el empleo de porta-injertos americanos resistentes. *Vinos, Vinas y Frutas* 45:370-372. Feb.1951. 9 Ag89
- 50563 SCHELLENBERG, A. Tätigkeitsbericht des Schweizerischen Weinbauvereins für das Jahr 1950. Schweiz. Z. f. Obst- u. Weinbau 60:144-148. Apr.7,1951. 80 Sch9
- 50564 SCHEU, G. Mein winzerbuch. Neustadt, Meininger, 1950. 395 p. 95.3 Sch22
- 50565 SCHROEDER, E. H. My experiences with six hundred fifty varieties of grapes. *Kans. State Hort. Soc. Bien. Rpt.* 50:97-100. 1950. 81 K13
- 50566 SELS, L. Eclaircissements à l'usage des cultivateurs de fraises. *Annu. Agr. et Hort.* (1949/50)2:111-118. 1950. 13 An7
- 50567 SHAULIS, N. Observations in Concord vineyards of Washington State. *N. Y. State Hort. Soc. Proc.* 96:196-201. 1951. 81 N484
- Similar title in *West. Fruit Grower* 5(5):17-18. May 1951. 95.8 G762
- 50568 SIMON, P. Le contrôle de la production et du commerce des bois et plants de vigne. France. *Min. de l'Agr. B. Tech. d'Inform.* 56:43-45. Jan./Feb.1951. 14 F844B
- 50569 SMEDT, A. DE. Budding of grapes. (In Flemish.) *Tuinbouwberichten* 15:24-25. Feb.15,1951. 80 T817
- 50570 SOUZA, J. S. I. DE. The fruit problem of the day: old vines. (In Portuguese.) *Chacaras e Quintais* 83:295-297. Mar.15,1951. 9.2 C34
- 50571 THEDEN, H. My fifty years with strawberries. *Kans. State Hort. Soc. Bien. Rpt.* 50:74-75. 1950. 81 K13
- 50572 VESSELLE, C., LAUMOIS, R., and BOYER, L. Aménagement de la structure du vignoble de Champagne. France. *Min. de l'Agr. B. Tech. d'Inform.* 56:29-33. Jan./Feb.1951. 14 F844B
- 50573 VIJFWINKEL, L. Strawberry culture: (In Dutch.) *Groenten en Fruit* 6:675,677. Mar.22,1951. 80 G89
- 50574 WALDO, G. F. Harvest seasons and characteristics of small fruits in Oregon. *Oreg. State Hort. Soc. Proc.* 65:59-68. 1950. 81 Or32
- 50575 WATIN, G. Mise au point concernant l'adaptation des hybrides et méteils français à la viticulture algérienne. *Soc. des Agr. d'Algérie. B.* 94:52-61. 1950/1951. 24 So1
- 50576 WINKELMANN, H. Pflanzung und pflege des beerenobstes. Ed. 5. Stuttgart, Ulmer, 1950. 23 p. 94 W72
- 50577 WINKLER, A. J. Pitfalls of vine propagation. *Amer. Soc. Enol. Proc.* 1:5-15. 1950. 390.9 Am33

Nuts

- 50578 COIT, J. E., and MILLER, W. W. What about the Macadamia? *Calif. Citrog.* 36:300-302. May 1951. 80 C125
- 50579 GERRITSEN, C. J. Walnut selections. (In Dutch.) *Fruiteelt* 41:244-245. Apr.5,1951. 86 N28
- 50580 GRASER, H. I. The walnut rootstock problem. *West. Fruit Grower* 5(5):23. May 1951. 95.8 G762
- 50581 HANDER, N., and BRISON, F. Be sure you're right about pecan varieties. *Prog. Farmer, Tex. Ed.* 66(4):16,130. Apr.1951. 6 T311
- 50582 HUBER, M. G. Nut harvesting panel. *Oreg. State Hort. Soc. Proc.* 65:152-153. 1950. 81 Or32
- 50583 HYAMS, E. Quick-bearing walnut trees. *Country Life [London]* 109:187-188. Jan.19,1951. 80 C83

Shade Trees and Ornamental Plants

- 50584 ALDOUS, A. M. To prune or not to prune. *Natl. Rose Soc. Rose Annu.* 1951:53-55. 84 N21
- 50585 ALLEN, R. C. Modern concepts of rose pruning. *Natl. Rose Soc. Rose Annu.* 1951:33-35. 84 N21
- 50586 ALLEN, R. C. Standards for judging roses. *Amer. Rose Annu.* 36:117-121. 1951. 81 Am31A
- 50587 ALLEN, R. E., comp. The one hundred favorite Iris for 1950. *Amer. Iris Soc. B.* 121:77-78. Apr.1951. 81 Am39
- 50588 AMERICAN ROSE SOCIETY. American rose annual, 36, 1951. Harrisburg, 1951. 280 p. 81 Am31A
- 50589 ANDERSON, E. Ten Missouri wild flowers for St. Louis gardens. *Mo. Bot. Gard. B.* 39:52-55. Mar.1951. 451 M69B
- 50590 ANLEY, G. The ginger beer standard. *Iris Ybk.* 1950:57-61. 84 Ir4
- Color in Iris varieties.
- 50591 ARELLANO, R. C. Roses in the grass. *Amer. Rose Annu.* 36:27-30. 1951. 81 Am31A
- 50592 BARTRUM, D. Rhododendrons. *Estate Mag.* 51:112-113. Mar.1951. 10 Es8
- Culture and varieties.
- 50593 BEDBROOK, C. Bulbous irises. *Roy. Hort. Soc. J.* 76:89-91. Mar.1951. 84 L84J
- 50594 BEER, Die zwerg- oder wacholder-mistel (Arceuthobium) und ihre künstliche aufzucht. *Gart.-Z. Illus. Flora* 74:13-15. Feb.1951. 80 G1991
- 50595 BENBOW, D. E., and BENBOW, M. The shows of 1950. *Iris Ybk.* 1950:15-25. 84 Ir4
- 50596 BEVAN, R. Iris baldschuanica (Fedchenko). *Iris Ybk.* 1950:108. 84 Ir4

- 50597 BICKLE, MRS. H. Notes from Canada. *Iris Ybk.* 1950:74-75. 84 Ir4
Varieties.
- 50598 BLACKBURN, B. Plant for permanence. *Flower Grower* 38(5):8-9. May 1951. 80 M72
Viburnum.
- 50599 BLUNT, W. Tulipomania. Harmondsworth, Middlesex, Eng., 1950. 29 p. (The King Penguin Books, 44)
96.49 B62
- 50600 BOERNER, E. Use them in many places, the versatile floribunda. *Horticulture* 29:135. Apr. 1951.
80 H787
- 50601 BOUTELL, C. H. C. Rose growing in Argentina. *Natl. Rose Soc. Rose Annu.* 1951:94-96. 84 N21
- 50602 BOWLES, E. A. *Crocus speciosus* and two *Colchicums* at Myddelton House, Enfield. *Roy. Hort. Soc. J.* 76:78-79. Mar. 1951. 84 L84J
- 50603 BOWLES, E. A. *Iris* memories. *Iris Ybk.* 1950:72-73. 84 Ir4
Varieties.
- 50604 BRAUN, A. *Rhododendrons* in Wyoming. *Gard. Club Amer. B.* 39(3):58-59. May 1951. 90.32 G16
- 50605 BRAY, R. E. Tastes and trends. *Canad. Gladiolus Soc. Annu.* 1951:98-100. 82 C164Q
Varieties.
- 50606 BRENNER, L. J. Spontaneous wild flowers. *Mo. Bot. Gard. B.* 39:57-60. Mar. 1951. 451 M69B
- 50607 BRIGGS, L. W. Charleston gardens. Columbia, U. South Carolina Press, 1951. 156 p. 97 B763
- 50608 BUCK, G. J. Varieties of rose understocks. *Amer. Rose Annu.* 36:101-116. 1951. 81 Am31A
- 50609 BURKE, E. Climbing roses for landscape pictures. *Amer. Rose Annu.* 36:91-94. 1951. 81 Am31A
- 50610 CALIFORNIA FUCHSIA SOCIETY. A to Z on fuchsias. Ed. 3, enl. Los Angeles, 1951. 136 p.
96.532 C12
- 50611 CANADIAN GLADIOLUS SOCIETY. 1951 annual. *Guelph?* 1951. 178 p. 82 C164Q
- 50612 CARABIN, J. R. The admirable old roses. *Amer. Rose Annu.* 36:194-201. 1951. 81 Am31A
- 50613 CARLETON, E. M. Let's groom our Begonias for the flower show. *Begonian* 18:94-95. May 1951.
96.511 B39
- 50614 CASSEBEER, F. W. Ways to use *Iris*. *Flower Grower* 38(5):30-31, 73-74. May 1951. 80 M72
- 50615 CAVE, F. C. Hybridizing. *Canad. Gladiolus Soc. Annu.* 1951:82-83. 82 C164Q
- 50616 CAVE, N. L. The *Iris*. London, Faber and Faber, 1950. 216 p. 96.45 C31
- 50617 CAVE, N. L. Should hybridisers leave the species alone? *Iris Ybk.* 1950:37-40. 84 Ir4
- 50618 CHESNEL, G. The French rose trials. *Natl. Rose Soc. Rose Annu.* 1951:97-98. 84 N21
- 50619 CHRISTIE-MILLER, C. W. Some notes on the Evansia *Iris*s. *Iris Ybk.* 1950:94-95. 84 Ir4
- 50620 COHEN, N. Orchids in New Orleans, Louisiana. *Amer. Orchid Soc. B.* 20:228-230. Apr. 1951.
80 Am329
- 50621 COOK, J. H. To produce winners—don't overfeed. *Gladiolus Mag.* 15(2):17-20. Apr. 1951. 96.43 N44
Suppl.
- 50622 COOK, L. Commercial roses under glass. *Natl. Rose Soc. Rose Annu.* 1951:40-42. 84 N21
- 50623 CORDILL, J. P. *Lycoris aurea*. *Gard. Club Amer. B.* 39(3):55. May 1951. 90.32 G16
- 50624 CORMACK, M. W. Small flowered *Gladiolus*. *Canad. Gladiolus Soc. Annu.* 1951:88-89. 82 C164Q
- 50625 CUMMING, R. W. From England and Holland, new perennials for you. *Horticulture* 29:142-143. Apr. 1951. 80 H787
- 50626 CUTAK, L. Fashions in succulents: versatile plants find use in all types of arrangements. *Florists' Rev.* 108(2788):29-32. May 3, 1951. 80 W41
- 50627 DAVIS, B. A. Holland's handbook for southern gardeners, South and Southwest. New York, Farrar, 1951. 240 p. 97 D29
- 50628 DAVIS, C. Know varieties. *Amer. Rose Annu.* 36:121-124. 1951. 81 Am31A
- 50629 DAVIS, M. R. Primroses. *Green Thumb [Denver]* 8(5):10-11. May 1951. 80 G82
- 50630 DEAKIN, O. A. Highway planting design. *Ohio State U. Short Course Highway Devlpmt.* 9:23-30. 1950. 288.9 Oh3
- 50631 DEAUX, E. La moisson des fleurs en été. *Fruits et Primeurs de l'Afrique du Nord* 21:95. Mar. 1951. 80 F9482
- 50632 DILATUSH, T. J. Growing methods for salable holly. *Amer. Nurseryman* 93(10):11-12, 52. May 15, 1951. 80 Am371
- 50633 DILLON, J. L. *Roses of the Old South*. *Amer. Rose Annu.* 36:182-184. 1951. 81 Am31A
- 50634 DORSETT, R. D. Single roses I grow and love. *Amer. Rose Annu.* 36:177-181. 1951. 81 Am31A
- 50635 DORT, H. W. VAN. *Foliage Begonia*. (In Dutch.) *Bloemisterij* 25(3):3;(4):4. Jan. 19-26, 1951. 80 B624
- 50636 DOUGLAS, G. Once in a lifetime. *Amer. Iris Soc. B.* 121:9-18. Apr. 1951. 81 Am39
Iris hybrids.
- 50637 DOUGLAS, G. Reflections on *Iris*-breeding today. *Iris Ybk.* 1950:96-99. 84 Ir4
- 50638 DRAHOS, N. Landscaping a farm pond. *N. Y. State Conserv.* 5(5):26-27. Apr./May 1951. 279.8 N48
- 50639 DRINKWATER, G. H. Differences of opinion. *Amer. Rose Annu.* 36:37-40. 1951. 81 Am31A
- 50640 DRURY, MRS. W. H. Some wild aristocrats. *Gard. Club Amer. B.* 39(3):51-55. May 1951. 90.32 G16
Orchidaceae.
- 50641 DUPLAN, L. La primevère obconique. *Tarn-et-Garonne Agr.* 14:50. Mar. 1951. 14 T17
Primula obconica.
- 50642 EDLAND, H. The rose analysis. *Natl. Rose Soc. Rose Annu.* 1951:159-169. 84 N21
- 50643 EDLAND, H. The trial ground. *Natl. Rose Soc. Rose Annu.* 1951:66-74. 84 N21
Varieties.
- 50644 EDMUNDS, F. Pacific Northwest roses. *Amer. Rose Annu.* 36:46-48. 1951. 81 Am31A
- 50645 ELLIS, C. K. Propagating shrubs for the flower garden by cuttings. *New Zeal. J. Agr.* 82:77, 79. Jan. 15, 1951. 23 N48J
- 50646 EMSWELLER, S. L. Problems of the rose breeder. *Amer. Rose Annu.* 36:138-144. 1951. 81 Am31A
- 50647 EVERETT, C. A., comp. Added parentages 1951. *Gladiolus Mag.* 15(2):27, 40. Apr. 1951. 96.43 N44
Suppl.
- 50648 FEENSTRA, P. *Gladiolus*. (In Dutch.) *Volks-tuin* 34:30. Mar. 1951. 80 V88
- 50649 FISHER, R. Perennials in the gardens at Mount Vernon. *Horticulture* 29:180-181. May 1951. 80 H787
- 50650 FORET, J. A. Does waxing affect growth? *Amer. Rose Annu.* 36:185-187. 1951. 81 Am31A
- 50651 FOX, H. M. Victor Lemoine and the Deutzias. *Natl. Hort. Mag.* 30:83-100, 126. Ref. Apr. 1951. 80 N216
- 50652 GANAY, E. COMTE DE. *Beaux jardins de France*. Paris, Plon, 1950. 274 p. (Les Maitres de l'Histoire) 98 G15B
- 50653 GAUTHIER, H. J. Raising water lilies [Nymphaea]. *New Eng. Homestead* 124(5):11, 18. Mar. 10, 1951. 6 N442
- 50654 GIVENS, R. M. The "Rock" *Rhododendrons*. *Gard. Club Amer. B.* 39(3):47-49. May 1951. 90.32 G16
- 50655 GOTTSCHO, S. H. Wild flower preserve. *Flower Grower* 38(5):26-29, 49-51. May 1951. 80 M72
Woodbury, Connecticut.
- 50656 GOTTSCHO, S. H. Wildflowers; how to know and enjoy them. New York, Dodd, Mead, 1951. 192 p. 455 G71
- 50657 GRAU, F. V. Lawns, nothing but the best. *Amer. Rose Annu.* 36:95-100. 1951. 81 Am31A
- 50658 GRAVES, A. H. Street trees. *Outdoors Illus.* 3:50-52. Mar./Apr. 1951. 410 C162
- 50659 GRAYSON, E. C. Oriental poppies; try the new hybrids for a real splash of garden color. *Flower Grower* 38(5):14-17. May 1951. 80 M72
- 50660 GRIEBEL, A. Vergessene kulturpflanzen, die wieder zu beachten wären. *Gartenbauwirtschaft [Wien]* 1951:17-18. Jan. 25, 1951. 80 G1936
House plants.
- 50661 GRIMMER, W. W. Greenhouse operation. *Florists' Rev.* 108(2790):23-24. May 17, 1951. 80 W41
- 50662 HAMBLIN, S. F. Hardier hybrid teas. *Amer. Rose Annu.* 36:173-176. 1951. 81 Am31A
- 50663 HAMBLIN, S. F. A question of sex; the private life of four good ornamental trees. *Landscape Architect.* 41:107-109. Apr. 1951. 80 L23
Ailanthus, *Ginkgo*, *Ilex*, and *Gleditsia*.
- 50664 HAMILTON, G. H. Start early for a vigorous lawn. *Family Herald & Wk. Star* 82(16):6, 15. Apr. 19, 1951. 7 F21
- 50665 HAMILTON, R. T. Showing roses in Australia. *Amer. Rose Annu.* 36:170-172. 1951. 81 Am31A
- 50666 HANSELL, D. E. Pep up your rock garden! *Flower Grower* 38(5):39, 66-67. May 1951. 80 M72
Plantings.

- 50667 HARP, H. F. Gay flower borders from seed sown outside. *Farm & Ranch Rev.* 47(3):26-27. Mar. 1951. 7 F223
- 50668 HARP, H. P. Small trees and small gardens go very well together. *Farm & Ranch Rev.* 47(3,i.e.4):16-17. Apr. 1951. 7 F223
- Ornamental plants in Canada.
- 50669 HARRIS, W. B. A living fence; *Rosa multiflora* requires long-term planning and is only for those who are long-term planners. *New Eng. Homestead* 124(5):38-39. Mar. 10, 1951. 6 N442
- 50670 HAUSER, E. Wertvolle wenig bekannte Daphne. *Gartenwelt* 50:138-139. May 6, 1950. 80 G196
- 50671 HAWORTH-BOOTH, M. Close planting with flowering shrubs. *Country Life* [London] 109:546-547. Feb. 23, 1951. 80 C83
- 50672 HAWORTH-BOOTH, M. Portable gardening. *Country Life* [London] 109:1187. Apr. 20, 1951. 80 C83
- 50673 HAZLEWOOD, H. H. Roses in Australia. *Natl. Rose Soc. Rose Annu.* 1951:154-158. 84 N21
- 50674 HELLYER, A. G. L. Daffodils in the grass. *Country Life* [London] 109:953. Mar. 30, 1951. 80 C83
- 50675 HERPEY, M. Les jardins suspendus de Meknès. *Marseille. Inst. Colon. Cahiers Colon.* 34:116-117. Mar. 1951. 286.8 M35
- 50676 HERRICK, A. C. Notes on some *Iris* species. *Iris Ybk.* 1950:117-120. 84 Ir4
- 50677 HETHERINGTON, E. E. *Cymbidium* culture in southern California. *Amer. Orchid Soc. B.* 20:192-195. Apr. 1951. 80 Am329
- 50678 HIGHWOOD, R. W. An oncocyclus *Iris* of the Syrian Desert. *Iris Ybk.* 1950:76-78. 84 Ir4
- 50679 HILL, E. C. *Eucharis amazonica* (grandiflora) (Amaryllidaceae). *Gard. Club Amer. B.* 39(3):68. May 1951. 90.32 G16
- 50680 HOISINGTON, MRS. H. S. Protecting roses. *Green Thumb* [Denver] 8(5):32. May 1951. 80 G82
- 50681 HOISINGTON, MRS. H. S. Ten best roses for Denver. *Green Thumb* [Denver] 8(5):29-30. May 1951. 80 G82
- 50682 HOISINGTON, P. Propagate and share your plants. *Begonian* 18:98. May 1951. 96.511 B39
- 50683 HOLLAND, L. J. Spring beauty from bulbs. *Green Thumb* [Denver] 8(5):12-16. May 1951. 80 G82
- 50684 HOLLIS, L. Hybrid musk roses from seed. *Natl. Rose Soc. Rose Annu.* 1951:37-39. 84 N21
- 50685 HUBBARD, S. C. Five points to keep in mind; planning a perennial border. *Horticulture* 29:132-133. Apr. 1951. 80 H787
- 50686 HULL, R. B. Work on trees, shrubs during winter season. *Midwest Turf* 5:5,7. Jan. 1951. 60.18 M58
- 50687 HUSTON, N. E. Pros and cons on colour classification. *Canad. Gladiolus Soc. Annu.* 1951:114-115. 82 C164Q
- 50688 HUTH, K. Trotz diesjähriger absatzkrise *Primula malacoides* kultivieren! *Gartenwelt* 50:132. May 6, 1950. 80 G196
- 50689 IDA, S. Hana no tsukuri-kata [How to cultivate flowers]. Tokyo, Taibunkan, 1950. 223 p. 96 Id1
- 50690 IRIS SOCIETY. *Iris* year book 1950. London, 1950. 160 p. 84 Ir4
- 50691 JANNE, E. E., and CHADWICK, L. C. The influence of storage temperatures and pruning practices on some outdoor roses. *Amer. Rose Annu.* 36:188-190. 1951. 81 Am31A
- 50692 JARDINE, M. I. Small trees for home grounds. *Amer. Forests* 57(5):18-19, 28, 30, 32. May 1951. 99.8 F762
- 50693 JELITTO, C. R. *Podophyllum emodi*. *Gartenwelt* 50:139. May 6, 1950. 80 G196
- 50694 JELITTO, L., and PFITZER, P. Dahlien im garten und im haus. Ed. 2. Stuttgart, Ulmer, 1950. 91 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 65) 96.524 J39
- 50695 JENSEN, E. S. In the winter, when— —. (In Danish.) *Haven* 51:37-39. Mar. 1951. 80 H29
- Culture of perennials.
- 50696 JOHNSON, A. T. Rose species: a garden selection. *Natl. Rose Soc. Rose Annu.* 1951:150-153. 84 N21
- 50697 JOHNSON, D. F. Critique of progress. *Amer. Iris Soc. B.* 121:32-34. Apr. 1951. 81 Am39
- Varieties.
- 50698 JOHNSTON, A. T. Rhododendrons in woodland. *Roy. Hort. Soc. J.* 76:128-134. Apr. 1951. 84 L84J
- 50699 JOHNSTONE, D. J. Annual flowers for Minnesota. *Minn. Hort.* 79:52-53. Apr. 1951. 81 M66
- 50700 JONES, MRS. L. W. A flowering bulb [*Veltheimia viridifolia*] from South Africa. *Gard. Club Amer. B.* 39(3):104. May 1951. 90.32 G16
- 50701 KIRKPATRICK, MRS. F. A farm woman's viewpoint of roadside development. Ohio. State U. Short Course Highway Devlpmt. 9:14-22. 1950. 288.9 Oh3
- 50702 KOMIANOS, MRS. P. Cleome Pink Queen. *Gard. Club Amer. B.* 39(3):74. May 1951. 90.32 G16
- 50703 KOPPESCHAAR, W. F. Japanese Azaleas. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:107. Apr. 6, 1951. 80 V22
- 50704 KURATA, M. Mitsumata, kozo, kiri no saibai [Cultivation of *Edgeworthia chrysantha*, paper-mulberry and *Paulownia*]. Tokyo, Azumi-shobo, 1950. 217 p. 73.5 K96
- 50705 LAMMERTS, W. E. Just how fragrant are the old roses. *Amer. Rose Annu.* 36:145-148. 1951. 81 Am31A
- 50706 LAWLOR, P. P. Winter protection of roses in cold climates. *Amer. Rose Annu.* 36:163-166. 1951. 81 Am31A
- 50707 LENTZ, J. W. Seeding the roadsides. Ohio. State U. Short Course Highway Devlpmt. 9:68-75. 1950. 288.9 Oh3
- 50708 LEWIS, C. H. Form. *Amer. Rose Annu.* 36:124-127. 1951. 81 Am31A
- 50709 LEWIS, P. H. Notes of a neophyte. *Amer. Rose Annu.* 36:41-45. 1951. 81 Am31A
- Culture.
- 50710 LINK, C. B. Summary. *Amer. Rose Annu.* 36:133-137. 1951. 81 Am31A
- Points for judging roses.
- 50711 LIPPINCOTT, G. E. How to tell hybrid perpetuals. *Amer. Rose Annu.* 36:202-204. 1951. 81 Am31A
- 50712 LITTLEFIELD, E. W. Shadbush. N. Y. State Conserv. 5(5):17. Apr./May 1951. 279.8 N48
- 50713 MACSELF, A. J. Roses as ordinary garden flowers. *Natl. Rose Soc. Rose Annu.* 1951:22-27. 84 N21
- 50714 MALKIN, G. F. Making flower friends. *Outdoors Illus.* 3:40-41. Mar./Apr. 1951. 410 C162
- Wildflowers.
- 50715 MALLORY, F. Quick and easy flower arrangements. *Hoard's Dairyman* 96:404. May 10, 1951. 44.8 H65
- 50716 MANLEY, T. R. 1950 report Valleevue Test Garden. *Canad. Gladiolus Soc. Annu.* 1951:140-146. 82 C164Q
- 50717 MARINARI, A. The Azalea in Belgium and Italy. (In Italian.) *Riv. della Ortoflorofrutticoltura Ital.* 35:82-87. Mar./Apr. 1951. 86 R22
- 50718 MASCARO, T. Park turf. II. Parks & Recreation 34(4):15-16. Apr. 1951. 98.8 P23
- 50719 MATTERN, H., ed. Die wohnlandschaft; eine sammlung von aussagen über die menschliche tätigkeit in der landschaft. Stuttgart, Hatje, 1950. 174 p. 98 M43
- 50720 MAYNARD, E. J. Culture of roses. *Green Thumb* [Denver] 8(5):31. May 1951. 80 G82
- 50721 MAYNARD, E. J. Types of roses. *Green Thumb* [Denver] 8(5):28. May 1951. 80 G82
- 50722 MAYNTZHUSEN, G. What shall we seed in March? (In Danish.) *Haven* 51:40-42. Mar. 1951. 80 H29
- Ornamentals.
- 50723 MEADE, MRS. R. Why lawns? *Gard. Club Amer. B.* 39(3):78-80. May 1951. 90.32 G16
- Ground cover plants.
- 50724 MENNINGER, E. A. The tree crapemyrtles [*Lagerstroemia*]. *Natl. Hort. Mag.* 30:101-109. Apr. 1951. 80 N216
- 50725 MERCER, F. A., and HAY, R., eds. Gardens and gardening, 1951. New York, Studio P., 1951. 174 p. (Studio P.) 84 G16
- 50726 MEYER, F. Kritische durchsicht des syringens-sortiments. *Gartenwelt* 50:137-138. (To be cont.) May 6, 1950. 80 G196
- 50727 MEYER, F. G. Harbingers of spring. *Mo. Bot. Gard. B.* 39:63-64. Mar. 1951. 451 M69B
- Wild flower varieties.
- 50728 MILLER, A. Rock garden from road making; a Vermont rock garden made use of local materials with pleasing results. *New Eng. Homestead* 124(5):29-30. Mar. 10, 1951. 6 N442
- 50729 MILNE, F. E. 1950-51 registrations. *Canad. Gladiolus Soc. Annu.* 1951:153-170. 82 C164Q
- 50730 MILTON, W. T. Observations on germination. *Iris Ybk.* 1950:100-105. 84 Ir4
- 50731 MINTER, M. Begonia Mme. Lionnet. *Begonian* 18:65. Apr. 1951. 96.511 B39

- 50732 MINTER, M. More about Begonia Ricky Minter. *Begonian* 18:74. Apr. 1951. 96.511 B39
- 50733 MITCHELL, S. B. Pick your parents. *Iris Ybk.* 1950:65-71. 84 Ir4
- 50734 MOORE, W. E. Half-a-century. *Natl. Rose Soc. Rose Annu.* 1951:17-21. 84 N21
- Varieties.
- 50735 MORSE, L. R. Old roses. *Green Thumb [Denver]* 8(5):25-27. May 1951. 80 G82
- 50736 MORTON, EARL OF. The bearded Iris as a garden plant. *Iris Ybk.* 1950:34-37. 84 Ir4
- 50737 NATIONAL ROSE SOCIETY. The rose annual, 1951. Croydon, 1951. 194 p. 84 N21
- 50738 NEDERPEL, L. G. Asparagus plumosus as a greenhouse culture. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:82. Mar. 16, 1951. 80 V22
- 50739 NEEL, L. Some uncommon Irises for pot culture. *Amer. Iris Soc. B.* 121:52,54-55. Apr. 1951. 81 Am39
- 50740 NEPOROZHNYI, G. D. *Gladiolus*. [In Russian.]. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 165 p. 96.43 N35
- 50741 NESMITH, E. N. Iris through the seasons. *Horticulture* 29:177,196. May 1951. 80 H787
- 50742 NEW ROSES of the world. *Amer. Rose Annu.* 36:271-276. 1951. 81 Am31A
- 50743 NICHOLS, B. Green grows the city; the story of a London garden. New ed. London, Cape, 1950. 285 p. 97.05 N52
- 50744 1950 NEW VARIETY symposium. *Canad. Gladiolus Soc. Annu.* 1951:24-39. 82 C164Q
- 50745 NORD, E. O. Roses in the mile high country. *Amer. Rose Annu.* 36:49-56. 1951. 81 Am31A
- Rocky Mountain region.
- 50746 NORMAN, A. The theory and practice of pruning. *Natl. Rose Soc. Rose Annu.* 1951:28-32. 84 N21
- 50747 NORTON, C. Just lilacs. *Green Thumb [Denver]* 8(5):6-10. May 1951. 80 G82
- 50748 NORTON, R. C. Meet the aril Iris. *Flower Grower* 38(5):33,55-56. May 1951. 80 M72
- 50749 OGG, S. Dahlias and their cultivation. *Roy. Hort. Soc. J.* 76:80-85. Mar. 1951. 84 L84J
- Includes discussion.
- 50750 OHIO. STATE UNIVERSITY. Ninth short course on roadside development. Columbus, 1950. 116 p. 288.9 Oh3
- 50751 OHL, J. J. Mohr progress in 1950. *Amer. Iris Soc. B.* 121:20-23. Apr. 1951. 81 Am39
- Iris breeding.
- 50752 OLIVER, R. W. Gardening Canadian style; here's the answer to those who claim we haven't any distinctive features in the gardens of this country. *Family Herald & Wk. Star* 82(15):3. Apr. 12, 1951. 7 F21
- Ornamental gardening.
- 50753 PFISTER, C. E. Stem and foliage. *Amer. Rose Annu.* 36:132-133. 1951. 81 Am31A
- 50754 PIESSE, C. L. Glads in Western Australia. *Canad. Gladiolus Soc. Annu.* 1951:71-73. 82 C164Q
- 50755 PIESTER, E. A. Roses for the television age. *Amer. Rose Annu.* 36:19-22. 1951. 81 Am31A
- 50756 PILKINGTON, G. L., TOWNDROW, K. R., and DREWETT, A. W. Impressions of the 1950 Iris season. *Iris Ybk.* 1950:79-93. 84 Ir4
- 50757 PLACE, R. M. Michigan garden traditions. I. *Thru Gard. Gate* 1951:3-5. Mar./Apr. 1951. 90.32 T41
- 50758 PROOF of the pudding. *Amer. Rose Annu.* 36:217-270. 1951. 81 Am31A
- Reports from growers on new rose varieties.
- 50759 PYLE, R. Rose trial grounds of Europe and America. *Natl. Rose Soc. Rose Annu.* 1951:88-90. 84 N21
- 50760 RAFFILL, C. P. Iris notes. *Iris Ybk.* 1950:41-47. 84 Ir4
- 50761 RANDALL, H. J. America re-visited. *Iris Ybk.* 1951:121-135. 84 Ir4
- 50762 RANDOLPH, L. F. The Iris records of Sir Michael Foster. *Iris Ybk.* 1950:105-107. 84 Ir4
- 50763 REBHAN, J. Gerberas under glass. *Florists' Rev.* 108(2790):19-21. May 17, 1951. 80 W41
- 50764 REGAN, C. W. Primroses for early spring. *Horticulture* 29:134. Apr. 1951. 80 H787
- 50765 REINSMITH, W. H., and HALSEY, H. R. Further observations on use of *Zoysia matrella* for lawns. *Landscape Architecture* 41:71-76. Jan. 1951. 80 L23
- 50766 RICHTER, W. Anzucht und kultur der Bromeliaceen, mit besonderer berücksichtigung der für den handel wichtigsten arten. Stuttgart, Ulmer, 1950. 84 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 76) 452.3 R41
- 50767 ROWNTREE, L. A garland from California. *Horticulture* 29:141,161. Apr. 1951. 80 H787
- 50768 ROYAL HORTICULTURAL SOCIETY, LONDON. Classified list of daffodil names. London, 1950. 336 p. 96.47 R81
- 50769 RUBEN, W. Gardening indoors as a hobby. Asbury Park, N.J., 1951. 64 p. 96.06 R82
- 50770 RYTZ-MILLER, W. *Fleurs des bois*. Lausanne, 1950? 64 p. 459.6 R99Af
- Issued also in German under title: *Waldblumen* (459.6 R99).
- 50771 SCATORI, L. We learned to grow mums in Oklahoma. *Flower Grower* 38(5):43,72. May 1951. 80 M72
- 50772 SCHENK, P. J. Birches. (In Dutch.) *Neder-land. Heidemaatsch. Tijdschr.* 61:261-266. Sept. 1950. 12 N282
- 50773 SCHNEIDER, C. K. Hecken im garten, ihre herstellung und bedeutung. Stuttgart, Ulmer, 1950. 48 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 77) 97.3 Sch5
- 50774 SCHUBERT, K., and BECKER-DILLINGEN, H. Einjährige sommerblumen ohne vorkultur. *Fruchtbare Erde* 3,56 p. 1950. 80 F9429
- 50775 SCHULTZ, F. Long live the king! *Begonian* 18:67-70. Apr. 1951. 96.511 B39
- Rex Begonia.
- 50776 SCHULZ, K. M. A fruit bearing window garden. *Minn. Hort.* 79:36-37. Mar. 1951. 81 M66
- 50777 SCHWARZROCK, R. Der blumenbau 1950 und 1951. *Gartenbauwirtschaft [Wien]* 1951:13-14. Jan. 25, 1951. 80 G1936
- In Austria.
- 50778 SCULLY, R. M. Growing the unusual orchids. *Amer. Orchid Soc. B.* 20:207-209. Apr. 1951. 80 Am329
- 50779 SHANKS, J. B. Studies on the effects of several environmental factors upon the growth and functioning of the roots of the greenhouse rose variety Better Times. Ohio. State U. Abs. Doct. Diss. 59:397-401. 1950. 241.8 Oh3
- 50780 SHANKS, J. B. Substance and color. *Amer. Rose Annu.* 36:127-132. 1951. 81 Am31A
- 50781 SHEPHERD, R. E. Hybrid musks. *Amer. Rose Annu.* 36:167-168. 1951. 81 Am31A
- 50782 SHEWELL-COOPER, W. E. Starting a fernery; this is one part of the garden which, once established, almost looks after itself. *Field* 197:599. Apr. 21, 1951. 10 F45
- 50783 SHOJI, K., and JOHNSON, V. The Japanese principles of design in flower arrangement, Senke school. Seattle, Chieftain Press, 1950. 153 p. 96.03 Sh7
- 50784 SIMPSON, C. C. Turf research and experimental station. *Parks & Recreation* 34(4):12-13. Apr. 1951. 98.8 P23
- 50785 SMITH, H. R. A hobby has gone to pot. *Amer. Iris Soc. B.* 121:55-58. Apr. 1951. 81 Am39
- Iris as house plant.
- 50786 SMITH, J. E., JR. Home floriculture. *Mo. Agr. Expt. Sta. C.* 352,20 p. Dec. 1950. 100 M693
- 50787 SMITH (SEYMOUR) & SON. How to prune to improve your shrubs, fruits and flowers. Oakville, Conn., 1950. 28 p. (The Seymour Smith Booklet) 90.12 Sm6
- 50788 SMUTS, H. Flowers for the dinner table. (In Afrikaans.) *Landbouweekblad* 32(1655):46. Apr. 4, 1951. 24 L232
- Arrangement.
- 50789 SOKOLOV, S. I. A. Michurinite biology and landscape gardening. (In Russian.) *Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo* 1950:7-19. 451 Ak15
- 50790 SPAULDING, S. Hillebrandia tubers obtained for A. B. S. [American Begonia Society]. *Begonian* 18:66. Apr. 1951. 96.511 B39
- 50791 SPEK, J. Roses in Holland. *Natl. Rose Soc. Rose Annu.* 1951:91-93. 84 N21
- 50792 SPENCER, L. How to grow roses, in 7000 easy lessons. *Amer. Rose Annu.* 36:31-36. 1951. 81 Am31A
- 50793 SPENDER, R. E. S. Iris stylosa—the winter-flowering Iris. *Iris Ybk.* 1950:109-112. 84 Ir4
- 50794 STAUTEMAS, E. Anthurium. (In Flemish.) *Tuinbouwberichten* 15:43-45. Mar. 15, 1951. 80 T817
- 50795 STAUTEMAS, E. La conception moderne de l'architecture de jardins. *Annu. Agr. et Hort.* (1949/50)2:126-129. 1950. 13 An7
- 50796 STAUTEMAS, E. Zinnias under glass. (In Flemish.) *Tuinbouwberichten* 15:26. Feb. 15, 1951. 80 T817
- 50797 STEFFEK, E. F. More and better Trilliums. *Nat. Mag.* 44:180. Apr. 1951. 409.6 N214

- 50798 STEFFEK, E. F. Save the fire pinks [*Silene virginica*]. Nat. Mag. 44:241. May 1951. 409.6 N214
- 50799 STEFFEN, A. Handbuch der marktgärtneri; zum praktischen gebrauch für den topfpflanzen- und schnittblumengärtner und zum studium für den gärtnerischen nachwuchs. Ed. 4, rev. Berlin, Parey, 1951. 536 p. 96.04 St3
- 50800 STERN, F. C. Snowdrops [*Galanthus nivalis*] and snowflakes [*Leucojum*]. Roy. Hort. Soc. J. 76:73-77. Mar. 1951. 84 L84J
- 50801 STEVENS, J. Crested Irises in New Zealand. Iris Ybk. 1950:54-56. 84 Ir4
- 50802 STEVENSON, J. B. Dates are not wanted when stopping chrysanthemums. Grower [London] 35:913-914. May 5, 1951. 286.83 M34
- 50803 STEYERMARK, J. A. The snow Trillium. Mo. Bot. Gard. B. 39:55-56. Mar. 1951. 451 M69B
- 50804 SUART, O. H. Preparing Gladiolus for exhibition. Canad. Gladiolus Soc. Annu. 1951:124-125. 82 C164Q
- 50805 SUNSET MAGAZINE. Sunset planting ideas for your northern California garden. San Francisco, Lane Pub., 1951. 64 p. 97.2 Su7Su
- 50806 SUNSET MAGAZINE. Sunset planting ideas for your Northwest garden. San Francisco, Lane Pub., 1951. 64 p. 97.2 Su7S
- 50807 SUNSET MAGAZINE. Sunset planting ideas for your southern California garden. San Francisco, Lane Pub., 1951. 64 p. 97.2 Su7
- 50808 TANTAU, M., and WEINHAUSEN, K. Die rose, ihre kultur und verwendung. Stuttgart, Ulmer, 1950. 100 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 61) 96.1 T15
- 50809 TEGTMEIER, A. For summer and winter interest, some favorite rock plants. Horticulture 29: 146, 162-163. Apr. 1951. 80 H787
- 50810 TEGTMEIER, A. Two unusual yellow perennials. Horticulture 29:133. Apr. 1951. 80 H787
- 50811 TENNER, H. J. A survey of hybrid perpetuals. Amer. Rose Annu. 36:205-216. 1951. 81 Am31A
- 50812 TEUSCHER, H. Dischidia rafflesiana. Natl. Hort. Mag. 30:110-112. Apr. 1951. 80 N216
- 50813 THOMAS, G. S. Perpetual flowering shrub roses. Natl. Rose Soc. Rose Annu. 1951:56-62. 84 N21
- 50814 THORNETT, E. B. C. Mainly on moving house in March. Iris Ybk. 1950:113-116. 84 Ir4
- 50815 URBAN, A. L. The Seabrook Gardens, an adaptation of formal gardening to modern living. Landscape Architecture 41:49-56. Jan. 1951. 80 L23
- 50816 VAILLAT, L. The future arranger of gardens. (In Portuguese.) Agr. e Pecuaria 22(329):35-36. Feb. 1951. 9.2 Ag89
- 50817 WATERER, D. D. The new Knap Hill Azaleas. Flower Grower 38(5):11-13. May 1951. 80 M72
- 50818 WATKINS, J. V. Herbaceous perennials. Fla. Agr. Col. Ext. B. 146, 32 p. Jan. 1951. 275.29 F66
- 50819 WEBSTER, G. A. The priceless ingredient. Canad. Gladiolus Soc. Annu. 1951:53-58. 82 C164Q
- 50820 WELCH, W. Modern dwarf bearded Irises. Iris Ybk. 1950:47-53. 84 Ir4
- 50821 WELLS, A. Q. Some Iris species. Iris Ybk. 1950:61-65. 84 Ir4
- 50822 WIDMER, R. E. Starting seedlings indoors. Minn. Hort. 79:38-39. Mar. 1951. 81 M66
- 50823 WLEZKO, H. Ein klein wenig neues. Gärt.-Kur. 6(4):2-3. Feb. 15, 1951. 80 G1942
- 50824 WOESSNER, D. Wie ich meine blumen pflege. Ed. 4, enl. Frauenfeld, Huber, 1950. 86 p. 96 W82
- 50825 WURZBACHER, H. Pavonia intermedia. Gartenwelt 50:133-134. May 6, 1950. 80 G196
- 50826 WYMAN, D. The Larz Anderson collection of Japanese dwarf trees. Arnoldia 11:29-35. May 11, 1951. 451 Ar6Ba
- 50827 WYMAN, D. The new ground cover display plots at the Arnold Arboretum. Arnoldia 11:21-24. Apr. 13, 1951. 451 Ar6Ba
- 50828 WYSONG, N. Tree maintenance. Amer. Nurseryman 93(8):18, 20. Apr. 15, 1951. 80 Am371
- 50829 YODER, H. Snapdragons in season; propagation of plants for round-the-year sales. Florists' Rev. 108(2789):29-30, 32. May 10, 1951. 80 W41
- 50830 ZAMBRA, G. L. Violets for garden & market. Rev. ed. London, Collingridge, 1950. 79 p. 96.595 Z1

Vegetable and Truck Crops (Including Potatoes)

- 50831 ALEKSEENKO, IU. K. Cross-pollination in tomatoes and production of hybrid seeds without flower castration. (In Russian.) Selek. i Semen. 17(11):37-40. Nov. 1950. 61.9 Se5
- 50832 ASHTON, J. R. A new system that gives a quicker lettuce crop. Grower [London] 35:918-919. May 5, 1951. 286.83 M34
- 50833 AUWERA, G. VAN DER. Hints to witloof growers. (In Flemish.) Tuinbouwberichten 15:18-19. Feb. 15, 1951. 80 T817
- 50834 AXELSSON, F. Greenhouse culture of cauliflower. (In Swedish.) Weibulls Allehanda 11:5-12. 1951. 80 W42
- 50835 BASIN, M. Z. Spravochnik po ogorodnichestvu [Handbook on vegetable gardening]. Ed. 5, enl. Moskva, Profizdat, 1950. 191 p. (V promoshch' rabochim i Sluzhashchim Ogorodnikom) 91 B29
- 50836 BENDER, E. K. Maryland vegetable varieties for 1951 for planting and freezing. Md. Agr. Col. Ext. Fact Sheet 1, 1 p. Feb. 1951. 275.29 M36Fa
- 50837 BERGSMAN, J. Asparagus culture. (In Dutch.) Volkstuin 34:16-17. Feb. 1951. 80 V88
- 50838 BOSWELL, V. R. Federal research on vegetable crops. Kans. State Hort. Soc. Bien. Rpt. 50:127-135. 1950. 81 K13
- 50839 BOSWELL, V. R. The National Sweet Potato Research Program. Kans. State Hort. Soc. Bien. Rpt. 50:111-116. 1950. 81 K13
- 50840 BOUHELIER, R. La culture de la tomate. Colon Franç. de Tunisie (ser. 7) 44(2190):3-4. Mar. 24, 1951. 24 C712
- 50841 BRYANT, M. D., and LYERLY, P. J. Tomato variety trials in the El Paso Valley, 1950. Tex. Agr. Expt. Sta. Prog. Rpt. 1365, 2 p. Apr. 21, 1951. 100 T31P
- 50842 BUDDE, Anstehende kartoffelbestellung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:509-510. Apr. 5, 1951. 18 L2346
- 50843 BURRAGE, A. C. Minimum effort vegetable garden. Gard. Club Amer. B. 39(3):93-98. May 1951. 90.32 G16
- 50844 BURRAGE, A. C., JR. A garden of onions. Horticulture 29:136-137, 162. Apr. 1951. 80 H787
- 50845 CAMPBELL, L. G. What potato farmers can do. N. J. Farm & Gard. 22(2):20, 68-69. Feb. 1951. 6 G162
- 50846 COMBS, O. B. Vegetable varieties for home gardens. Wis. Hort. 42:188. Apr. 1951. 80 W752
- 50847 CONNELL, K. H. Essays in bibliography and criticism. XVII. The history of the potato. Econ. Hist. Rev. (ser. 2) 3:388-395. 1951. 277.8 Ec7
- 50848 COOLEY, J. S. Origin of the sweet potato and primitive storage practices. Sci. Mon. 72:325-331. Ref. May 1951. 470 Sci23
- 50849 CORDNER, H. B. Sweet potato investigations at the Oklahoma Agricultural Experiment Station. Kans. State Hort. Soc. Bien. Rpt. 50:58-65. Ref. 1950. 81 K13
- 50850 COULTER, F. C. Vegetables for late planting. Horticulture 29:176. May 1951. 80 H787
- 50851 DANA, B. F., and FRAZIER, W. A. New varieties of beans. Oreg. State Hort. Soc. Proc. 65:99-101. 1950. 81 Or32
- 50852 DESSELMANN, P. Massnahmen zur steigerung der kartoffelerträge. Deut. Landwirt. 2:157-159. Mar. 1951. 18 D4822
- 50853 ELMER, O. H. Sweet potato investigations in Kansas. Kans. State Hort. Soc. Bien. Rpt. 50:66-69. 1950. 81 K13
- 50854 FILOV, A. I., ed. Kratkie rezul'taty rabot nauchnykh uchrezhdenii Srednei Azii po ovoshchnym, bakhchevym kul'turam i kartoffelu [Brief results of the work of scientific institutions of Middle Asia with vegetables, melons, and potatoes]. Stalinabad, Tadzhik-gosizdat, 1950. 125 p. (Stalinabad. Tadzhikskii Nauchno-Issledovatel'skii Institut Plodo-Vinogradnogo i Ovoshchnogo Khozjalstva. Bülleten' po Plodovodstvu, Vinogradarstvu i Ovoshchevodstvu. No. 11) 106 F48
- 50855 FRAZIER, W. A. Sweet corn variety tests. Oreg. State Hort. Soc. Proc. 65:115-124. 1950. 81 Or32
- 50856 FRAZIER, W. A. Tomato production problems. Oreg. State Hort. Soc. Proc. 65:105-109. 1950. 81 Or32
- 50857 FRIEDHEIM, P. Massnahmen zur steigerung der kartoffelerträge. Deut. Landwirt. 2:48-52. Jan. 1951. 18 D4822
- 50858 FUJII, T. Sosai zosan glijitsu [Technology of increasing vegetable crops]. Tokyo, Yokendo, 1950. 238 p. 91 F95

- 50859 GALINAT, W. Hidden treasure in the back-yard garden. *New Eng. Homestead* 124(5):12,16. Mar.10, 1951. 6 N442
Sweet corn varieties.
- 50860 GLEISBERG, J. Gemüsetreiberei in früh-beetkästen. Ed. 6, rev. Stuttgart, Ulmer, 1950. 111 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 41) 91.12 G48
- 50861 GORIS, J. Vegetable breeding problems. III-IV. (In Flemish.) *Tuinbouwberichten* 15:20-21,37-38. Feb.15, Mar.15,1951. 80 T817
- 50862 GRAEFE, W. L. You ought to know the sweet pepper family better. *Canner* 112(16):11-12. Apr.21,1951 286.83 C16
Varieties.
- 50863 GUERIN, B. C. DE. "Half-pots" are popular on the island. *Fruit-Grower* 2887:759. Apr.26,1951. 80 F941
Pots for tomato culture on Guernsey.
- 50864 HAAN, H. DE. The cultivation of new potato varieties. (In Dutch.) *Landboude* 4(50):11. Dec.23,1950. 12 L234
Netherlands.
- 50865 HAHMANN, K., and MÜLLER, H. Frühere und reichere tomatenernten durch wuchshormone? *Gartenwelt* 50:130-131. May 6,1950. 80 G196
- 50866 HAHN, E. Reads schnurgurke und ihre kultur. *Gartenwelt* 50:130. May 6,1950. 80 G196
- 50867 HALL, H. S. Raising tomatoes for fun. *Minn. Hort.* 79:59. Apr.1951. 81 M66
- 50868 HANSEN, L. The new test varieties. (In Danish.) *Haven* 51:20. Feb.1951. 80 H29
Cabbage.
- 50869 HOFSTJÖ, E. Cabbage culture at Norsborg. (In Swedish.) *Weibulls Allehanda* 11:20-21. 1951. 80 W42
- 50870 HOLMBERG, D. M., and MINGES, P. A. Field seeding of tomatoes. *Calif. Farmer, North. Ed.* 194:394-395. Apr.21,1951. 6 C126
Similar title in *West. Grower & Shipper* 22(6):24,36-37. May 1951. 280.38 W52
- 50871 HOSONO, S. Atarashii shiitake saibai-ho [New method of cultivation for Cortinellus shiitake]. Tokyo, Taibunkan, 1950. 395 p. 91.7 H79
- 50872 HUFFINGTON, J. M. Growing cucumber crops for pickling. *Canning Trade* 73(45):8-9. May 28,1951. 286.83 T67
- 50873 KIDNER, A. W. The breeding and cultivation of asparagus. *Roy. Hort. Soc. J.* 76:134-138. Apr.1951. 84 L84J
- 50874 KLAPP, E. L. Kartoffelbau. Ed. 3, rev. Stuttgart, Ulmer, 1950. 101 p. (Schriften über Neuzeitlichen Landbau. Bd. 10) 75 K66
- 50875 KNOBLICH. Zum kohlrübenbau im Sauerland. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:629. Apr. 26,1951. 18 L2346
- 50876 KOERT, J. L. Inspection and certification of seed onions by the General Netherlands Inspection Service for Vegetable Seeds, a guarantee of good plant material. (In Dutch.) *Zaadbelangen* 5:47. Feb.28,1951. 61.8 Z1
- 50877 KOPETZ, L. M. Licht- oder dunkelkeime? Ein beitrage zur frage der vorbehandlung von kartoffelsaatgut. Vorläufige-mitteilung. *Bodenkultur* 4:422-425. 1950. 19 B635
- 50878 KRAFT, J. Improved white cabbage culture. (In Swedish.) *Weibulls Illus. Årsb.* 46:35-40. 1951. 64.9 L232
Also in *Weibulls Allehanda* 11:21-27. 1951. 80 W42
- 50879 LAWRENCE, W. J. C. Glasshouse production efficiency. *Grower* [London] 35:818-819,866-867,915,917. Apr.21-May 5,1951. 286.83 M34
Vegetables.
- 50880 LEEPER, P. W., and BURLESON, C. A. Cabbage variety trials in the Lower Rio Grande Valley, 1950-51. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1361,2 p. Apr.14, 1951. 100 T31P
- 50881 LEWIS, W. H. Some points regarding vegetables and the weather. *Fruit Grower* 2886:717. Apr.19, 1951. 80 F941
- 50882 LINDEN, L. VAN DER. Practical hints for growing tomatoes under glass. (In Flemish.) *Tuinbouwberichten* 15:22-23. Feb.15,1951. 80 T817
- 50883 LOBENSTEIN, C. W. Observations on the sweet potato industry in Louisiana. *Kans. State Hort. Soc. Bien. Rpt.* 50:30-33. 1950. 81 K13
- 50884 MINGUZZI, L. Asparagus, a valuable crop for the garden and open field. (In Italian.) *Agr. in Prov. di Varese* 23(2):3. Feb.1,1951. 16 Ag8265
- 50885 MOELLER, S. The cultivation of non-irrigated vegetables: b. summer vegetables. (In Hebrew.) *Hassadeh* 31:271-274. (Concl.) Mar.1951. 26 H27
- 50886 MØGEDAL, O. Double crop of vegetables. (In Norwegian.) *Gartneryrket* 41:200. Mar.17,1951. 80 G1938
- 50887 MONTESINOS V., J. M. Un ensayo de aclimatación de aji. *Agronomia* [Lima] 15(64):43-49. Dec.1950. 9.8 Ag83
In Peru.
- 50888 MORETTINI, A. The problem of vegetable seed production. (In Italian.) *Riv. della Ortoflorofrutticoltura. Ital.* 35:70-73. Mar./Apr.1951. 86 R22
- 50889 MORO, M. Pre-germination of potatoes. (In Italian.) *Agr. in Prov. di Varese* 23(2):3. Feb.1,1951. 16 Ag8265
- 50890 NEUER. Kohlsortenversuche auf marschboden. *Landwirtsbl. Weser-Ems* 98:254. Mar.22,1951. 18 L2345
- 50891 NICOLAISEN, N. Faustzahlen für den gemüseanbau. *Holzminde*, 1950. 32 p. (Trowitzsch-Hefte für den Gartenbau) 91.15 N54
- 50892 NICOLAISEN, N., and LIETH, L. Die pflanzenanzucht im gemüsebau. *Fruchtbare Erde* 2,28 p. 1950. 80 F9429
- 50893 NICOLAISEN, N. Voraussetzungen für einen erfolgreichen gemüsebau. *Fruchtbare Erde* 1,31 p. 1950. 80 F9429
- 50894 NILSSON, A. Brussels sprouts are being appreciated. (In Swedish.) *Weibulls Allehanda* 11:1-4. 1951. 80 W42
Culture.
- 50895 NORDGAARD, K. Experiences with parsnips. (In Danish.) *Haven* 51:20-21. Feb.1951. 80 H29
- 50896 ODA, K. Sosai engei [Horticultural vegetables]. Osaka, Fuminsha, 1950. 257 p. 91 Od1
- 50897 PERSSON, A. R. Norwegian strains of fall and winter white cabbage. (In Norwegian.) *Gartneryrket* 41:194-196. Mar.17,1951. 80 G1938
- 50898 ROBERTSON, C. Stakes for bean supports. *Oreg. State Hort. Soc. Proc.* 65:79. 1950. 81 Or32
- 50899 RØEN, O. Potato culture and potato varieties. (In Norwegian.) *Landbrukstidende* 57:148-150. Feb.21, 1951. 11 L236
- 50900 ROJNING, P. Modern field culture of cabbage. (In Swedish.) *Weibulls Allehanda* 11:27-28. 1951. 80 W42
- 50901 ROLLAND, L. La pomme de terre industrielle dans les Vosges. *Potasse* 25:49-53. Mar.1951. 57.8 P84
- 50902 SCHEIDEGGAR, F. Permanent bean yards. *Oreg. State Hort. Soc. Proc.* 65:78-79. 1950. 81 Or32
- 50903 SCHERY, R. W. Broccoli for the home vegetable garden. *Mo. Bot. Gard. B.* 39:60-63. Mar.1951. 451 M69B
- 50904 SCHICK. Ratschläge für den frühkartoffelbau. *Deut. Landwirt.* 2:63-64. Feb.1951. 18 D4822
- 50905 SCHUTTER, B. DE. Les semences de chicorée witloof. *Annu. Agr. et Hort.* (1950/51)3:94-97. 1951. 13 An7
Culture.
- 50906 SIMON, G. Melon culture. (In Flemish.) *Tuinbouwberichten* 14:85-86. June 15,1950. 80 T817
- 50907 SMITS, S. La production de carottes sous verre. *Annu. Agr. et Hort.* (1949/50)2:136-142. 1950. 13 An7
- 50908 STIRLING, W. F. Cauliflowers all the year round. *Grower* [London] 35:923,925. May 5,1951. 286.83 M34
- 50909 SVENSSON, V. Cauliflower culture in the field. (In Swedish.) *Weibulls Allehanda* 11:13-19. 1951. 80 W42
- 50910 ULLMAN, H. Remarks on the growing of onions from seed. (In Hebrew.) *Hassadeh* 31:220-221. Feb.1951. 26 H27
- 50911 VERSLEYEN, G. Asparagus culture. II-III. (In Dutch.) *Boer en Tuinder* 5(217):5;(219):4. Mar.17, 31,1951. 12 B632
- 50912 VITTUM, M. T. Thirty tons of tomatoes per acre. *Better Crops Plant Food* 35(4):17,42. Apr.1951. 6 B46
- 50913 WALKER, S. Broccoli growing in the West Riding. (Sum.) *Grower* [London] 35:773. Apr.14,1951. 286.83 M34
- 50914 WARNE, L. G. G. Spacing experiments on vegetables. I-II. *J. Hort. Sci.* 26:79-97. Ref. Mar.1951. 80 J825
- I. The effect of the thinning distance on earliness in globe beet and carrots in Cheshire, 1948; II. The effect of the thinning distance on the yields of globe beet, long beet, carrots and parsnips grown at a standard inter-row distance in Cheshire, 1948.
- 50915 WATANABE, S. Sosai no sokusei to keiei [Quick vegetable cultivation and management]. Tokyo, Seibundo Shinkosha, 1950. 237 p. 91.12 W29
- 50916 WERNER, H. O. Growing and storing Progress potatoes. *Nebr. Agr. Col. Ext. C.* 1272,15 p. Mar.1951. 275.29 N272Ex

- 50917 WEYDAHL, E. Leek variety trials. (In Norwegian.) Gartneryrket 41:241-242. Apr.7,1951. 80 G1938
- 50918 ZIMMERMAN-GRISS, S., and FEILER, E. Non-irrigated potatoes in the southern zone. (In Hebrew.) Hassadeh 31:324-326. Apr.1951. 26 H27

WEEDS AND POISONOUS PLANTS

- 50919 ALFARO-POLANCO, S. Aplicación de malezas en cereales menores. Agr. Trop. 7(3):15-16. Mar.1951. 26 Ag8
- 50920 ANDERSEN, E. T. Weed control in horticultural crops. West. Canad. Weed Control Conf. Proc. 4: 94-101. Apr.1951. 79.9 W522
Includes abstracts from other workers.
- 50921 AUFENVENNE, J. Neuzettliche unkrautbekämpfung auf genossenschaftlicher Grundlage. Landwirt. Wehnl. f. Westfalen u. Lippe 108A:632-633. Apr.26,1951. 18 L2346
Use of U46.
- 50922 BALDACCI, E. Results of control of plants infesting rice and wheat in 1950. (In Italian.) B. dell'Agr. 85(6):1. Mar.23,1951. 16 B87
Italy.
- 50923 BANFIELD, G. L. Control of buttercup [*Ranunculus*] and pennyroyal [*Mentha pulegium*] on Hauraki Plains. New Zeal. J. Agr. 82:69,71,73-74. Jan.15,1951. 23 N48J
- 50924 BORDELEAU, R. Essai du 2,4-D en pré-émergence pour l'enraiment des mauvaises herbes dans les cultures de maïs fourrager. Quebec Soc. Protect. Plants. Rpt. 31:107-116. Dec.31,1950. 464.9 Q3
- 50925 BREakey, W. J. Chemical control of pasture weeds. West. Canad. Weed Control Conf. Proc. 4:102-110. Apr.1951. 79.9 W522
Includes abstracts from other workers and discussion.
- 50926 CARDER, A. C. Chemical control of weedy grasses. West. Canad. Weed Control Conf. Proc. 4:81-94. Apr.1951. 79.9 W522
Includes abstracts from other workers.
- 50927 CARLSON, A. E. Brushland into beefland. West. Livestock J. 29(27):57-58,60-61. Apr.15,1951. 6 F2278
- 50928 CARPENTER, K., and DICKSON, G. K. Evaluation of 2:4 D. ethyl ester in cereals, in Britain. Internatl. Cong. Crop Protect. Abs. Commun. 2:35-36. 1949. 464.9 In832
- 50929 CARTIER, R. D. Le désherbage chimique des cultures d'oignons. Quebec Soc. Protect. Plants. Rpt. 31:117-118. Dec.31,1950. 464.9 Q3
- 50930 CONNOR, H. E. Poisonous plants in New Zealand. IV. New Zeal. J. Agr. 82:47-48. Jan.15,1951. 23 N48J
- 50931 CRAIG, H. A. Federal-Provincial weed surveys in western Canada. West. Canad. Weed Control Conf. Proc. 4:144-148. Apr.1951. 79.9 W522
- 50932 CRAIG, H. A. Weed work in Manitoba. West. Canad. Weed Control Conf. Proc. 4:157-158. Apr.1951. 79.9 W522
- 50933 DAVIES, G. M., and DAVIES, R. P. The control of bracken. Westralian Farmers Co-op Gaz. 20:113-114. Feb.1951. 280.28 W522
- 50934 DEMING, G. W. Use of IPC [Isopropyl-N-phenyl-carbamate] for weed control in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:453-455. 1950. 66.9 Am35
- 50935 DENNISON, R. H. La qufmica en múltiple función herbicida. Hacienda 46(5):48-49. May 1951. 6 H11
- 50936 DION, A., and CARTIER, R. D. Contrôle chimique du liseron des champs (*Convolvulus arvensis* L.). Quebec Soc. Protect. Plants. Rpt. 31:119-121. Dec.31,1950. 464.9 Q3
- 50937 DUNCAN, D. A. Chemical control of common perennial weeds. West. Canad. Weed Control Conf. Proc. 4:57-64. Apr.1951. 79.9 W522
Includes abstracts from other workers.
- 50938 ESCRITT, J. R. Turf weed control by means of M.C.P.A. and 2:4 D. Internatl. Cong. Crop Protect. Abs. Commun. 2:37-39. 1949. 464.9 In832
- 50939 FARRER, R. P. The use of selective herbicides in forestry in general, and in nursery work in particular. Empire Forestry Rev. 30:66-71. Ref. Mar.1951. 99.8 Em72
- 50940 FICHT, J. P. Chemical control of annual weeds. West. Canad. Weed Control Conf. Proc. 4:47-57. Apr.1951. 79.9 W522
Includes abstracts from other workers.
- 50941 FISHER, C. E., YOUNG, D. W., and MARION, P. T. Control of mesquite. Tex. Livestock J. 10(3):7,32-33,36. Mar.15,1951. 49 T29
- 50942 FRASER, D. D. Merchandising of herbicides. West. Canad. Weed Control Conf. Proc. 4:117-120. Apr. 1951. 79.9 W522
- 50943 FRASER, G. R. Weed work in Saskatchewan. West. Canad. Weed Control Conf. Proc. 4:155-156. Apr. 1951. 79.9 W522
- 50944 FREED, V. H., and PENDLETON, R. A. Weed control studies on sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:459-462. 1950. 66.9 Am35
- 50945 FRIESEN, H. A. Tillage and cropping methods for weed control. West. Canad. Weed Control Conf. Proc. 4:131-140. Apr.1951. 79.9 W522
- 50946 GOVINDU, H. C. Study of weeds on our farm lands. Mysore Agr. J. 26:54-56. Jan.1951. 22 M993
Varieties.
- 50947 GRIGSBY, B. H., and STAHLER, L. M. Latest developments in the use of herbicides for selective weed control in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:463-467. 1950. 66.9 Am35
- 50948 HAMILTON, R. D., WHITFIELD, C. J., and REA, H. E. Chemical control of Johnson grass on a heavy soil in northwest Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1345,3 p. Mar.27,1951. 100 T31P
- 50949 HOLLY, K. The use of synthetic growth regulating substances for the control of perennial weeds. Internatl. Cong. Crop Protect. Abs. Commun. 2:34. 1949. 464.9 In832
- 50950 HUPPERT, V. Neuzettliche unkrautbekämpfung mit wuchsstoffen. Neue Mitt. f. die Landwirt. 6:216-217. Apr.7,1951. 18 N39
- 50951 JACOBS, H. L. Chemical brush control on rights-of-way. Du Pont de Nemours, E. I. & Co. Agr. News Let. 19:51-54. May/June 1951. 6 D92
- 50952 JOHNSON, H. P. H. Some new ideas for weed control. Amer. Soc. Sugar Beet Technol. Proc. 6:473-475. 1950. 66.9 Am35
- 50953 MCFARLAND, J. W. Poisonous plants used for fishing. Yosemite Nat. Notes 30:14-21. Ref. Feb. 1951. 409.6 Y8
- 50954 MASCAZZINI, F. Las malezas del Sudan grass; consideraciones generales. Charla Rur. 148:22-23 54. (Concl.) Feb.1951. 9 C37
- 50955 MATTHEWS, L. J. Hormone weedkillers for scrub control. New Zeal. J. Agr. 82:11,13-14. Jan.15, 1951. 23 N48J
- 50956 NEVADA. STATE DEPT. OF AGRICULTURE. Halogeton glomeratus, a poisonous plant in Nevada. n.p., 1950. 12 p. 452.83 N41
- 50957 NUTTER, G. C. Crabgrass control for 1951. Farm Res. [N. Y. State Sta.] 17(2):10-11. Apr.1951. 100 N48A
- 50958 NYLUND, R. E. Weed control. Minn. Hort. 79:44-45. Mar.1951. 81 M66
- 50959 PAVLYCHENKO, T. K. Development of new herbicides. West. Canad. Weed Control Conf. Proc. 4: 114-117. Apr.1951. 79.9 W522
- 50960 PHILIPS, A. Destruction de mauvaises herbes dans les cultures et les prairies. Annu. Agr. et Hort. (1949/50):2:225-230. 1950. 13 An7
- 50961 PLAYFAIR, L. Chemical control of woody brush. West. Canad. Weed Control Conf. Proc. 4:75-80. Apr.1951. 79.9 W522
Includes abstracts from other workers.
- 50962 PUTNAM, N. F. Weed work in British Columbia. West. Canad. Weed Control Conf. Proc. 4:148-152. Apr.1951. 79.9 W522
- 50963 ROBERTS, H. A., and BLACKMAN, G. E. Studies in selective weed control. III. The control of annual weeds in leguminous crops with 2:4-dinitro-6-secondary-butyl-phenol. J. Agr. Sci. 40:263-274. Ref. July 1950. 10 J822
- 50964 SALT CEDAR INTERAGENCY TASK FORCE, NEW MEXICO. Report to the Salt Cedar Interagency Council, v. 1. Albuquerque,1951. various pagings. 99.48 Sa3
Includes Appendix 1, Chemical control methods, by F. L. Timmons; 2, Mechanical control methods, by W. P. Crawford; 3, Revegetation of cleared areas, by C. G. Marshall; 4, Comparative consumptive use of water by salt cedars and replacement vegetation, by C. V. Theis; 5, Bibliography and partial digest, by C. F. Rork and V. O. Gangwer; 6, Distinguishing characteristics of *Tamarix gallica*.
- 50965 SEXSMITH, J. J. Chemical control of persistent perennial weeds. West. Canad. Weed Control Conf. Proc. 4:64-74. Apr.1951. 79.9 W522
Includes abstracts from other workers.
- 50966 SLIFE, F. W., and SCOTT, W. O. Giant foxtail [*Setaria faberii*] new Cornbelt weed menace. Crops & Soils 3(7):22-23. Apr./May 1951. 6 W55

- 50967 SPERRY, O. E. Experimental control of poisonous range plants. *Cattleman* 37(12):100-102. May 1951. 49 C29
- 50968 SRIVASTAVA, T. N. The application of selective herbicides to forestry practice. II. *Indian Forester* 77:176-191. Mar. 1951. 99.8 In2
- 50969 STERLING, G. R. Weed work in Alberta. *West Canad. Weed Control Conf. Proc.* 4:152-154. Apr. 1951. 79.9 W522
- 50970 STOECKELER, J. H. Killing weed seeds. *Amer. Nurseryman* 93(8):10. Apr. 15, 1951. 80 Am371
- Pre-emergence treatment with methyl bromide.
- 50971 STRYCKERS, J. Aperçu des herbicides selectifs. *Annu. Agr. et Hort.* (1949/50)2:216-224. 1950. 13 An7
- 50972 SWARBRICK, T. Petroleum oil fractions as total and selective weed killers. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:56-57. 1949. 464.9 In832
- 50973 TAFURO, A., and VAN GELUWE, J. 2,4-D and 2,4,5-T [for poison ivy control]. *Amer. Fruit Grower* 71(4):20-21. Apr. 1951. 80 G85
- 50974 THORNTON, B. J. Results of four years treatment of Canada thistle [*Cirsium arvense*] and Russian knapweed [*Centaurea repens*] with 2,4-D. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:62. Oct. 1950. 500 C717
- 50975 THORNTON, B. J. Spring versus spring and fall treatment of whiteweed and bindweed with 2,4-D. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:63. Oct. 1950. 500 C717
- 50976 VENT, E. Der kalkstickstoff als helfer im kampf gegen die unkraüter und seine anwendung. *Deut. Landwirt.* 2:155-157. Mar. 1951. 18 D4822
- 50977 WALKER, A. H. Chemical control of mesquite. *Sheep & Goat Raiser* 31(7):22-23. Apr. 1951. 45.8 Sh3
- 50978 WARREN, L. E. Control of annual grasses in sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:468-472. 1950. 66.9 Am35
- 50979 WERRY, F. E. A farmer appraises 2,4-D. *West. Canad. Weed Control Conf. Proc.* 4:123-128. Apr. 1951. 79.9 W522
- 50980 WESTERN CANADIAN WEED CONTROL CONFERENCE. Proceedings and abstracts of the fourth conference, Regina, Saskatchewan, November 21st, 22nd, 1950. *Saskatchewan, 1950.* 177 p. 79.9 W522
- 50981 WILLARD, C. J. Chemical weed killers. *Successful Farming* 49(5):48, 122-124. May 1951. 6 Su12
- 50982 WOOD, H. E. "Selling" chemical weed control. *West. Canad. Weed Control Conf. Proc.* 4:120-123. Apr. 1951. 79.9 W522
- 50983 WRIGHT, C. C. The mesquite tree; mainly personal. *Prog. Farmer, Tex. Ed.* 66(4):120-121. Apr. 1951. 6 T311
- 50984 YEATES, J. S. Farm trees and weeds. *Massey Agr. Col. Dairyfarming Annu.* 3:93-95, 97-100. Nov. 1950. 44.9 M382
- Planting for weed control.
- ### MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, Etc.)
- 50985 AKUGAWA, N. Jochugiku to sauran no saibai [Cultivation of pyrethrum & Crocus]. Tokyo, Fuminsha, 1950. 100 p. (Fumin Nogyo Sensho, 3) 96 Ak8
- 50986 AKUTAGAWA, N. Konyaku no saibai to kako [Cultivation and processing of *Hydrosme rivieri*]. Tokyo, Fuminsha, 1950. 144 p. 77 Ak8
- Amorphallus rivieri*.
- 50987 BEHRNDT, G. Mitbanbau von arzneipflanzen auf forstkulturen. *Landwirtsbl. Weser-Ems* 98:258-259. Mar. 22, 1951. 18 L2345
- 50988 BELT, J. B. M. VAN DEN. The Dutch bee pasture. IV-V. (In Dutch.) *Maandschr. v. Bijenteelt* 53:4-5, 38-39. Jan., Mar. 1951. 424.9 V58
- Honey plants.
- 50989 BEREGOVY, P. M. Poisonous nectar-bearing plants. (In Russian.) *Pchelovodstvo* 27:610-615. Nov. 1950. 424.8 P295
- 50990 BONILLÁ, G. Efectos de la sombra y de otros factores en el trasplante de cafetos del almácigo al criadero. *Turrialba* 1:140-143. Jan. 1951. 8 T86
- 50991 CARRÉ, M. L'avenir de la piperculture dans la péninsule indochinoise. *B. Econ. de l'Indochine* 53:295-320. Nov./Dec. 1950. 22.5 In2
- 50992 CASEY, J. Importance of plants. *Sowest. Crop & Stock* 5(3):38-39, 44. Mar. 1951. 6 So8942
- 50993 CHERNYSHEV, G. V. Ground ivy [*Glechoma hederacea*]—an early honey plant. (In Russian.) *Pchelovodstvo* 27:620. Nov. 1950. 424.8 P295
- 50994 CHIU, S. F. Effectiveness of Chinese insecticidal plants with reference to the comparative toxicity of botanical and synthetic insecticides. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:42-43. 1949. 464.9 In832
- 50995 COIT, J. E. Carob or St. John's bread. *Econ. Bot.* 5:82-96. Ref. Jan./Mar. 1951. 450 Ec7
- Ceratonía siliqua*.
- 50996 CURTIS, C. H. Between the parsley and the rue. VI. *Young Farmer* 19:25, 27. Jan./Feb. 1951. 10 Y8
- 50997 DOPF, K. Über die errichtung einer arzneipflanzenanlage. *Gärt.-Kur.* 6(4):1-2. Feb. 15, 1951. 80 G1942
- 50998 EBES, K. Stem form improvement by selection (In Dutch.) *Nederland. Boschbouw-Tijdschr.* 23:1-7. Jan. 1951. 99.8 N28
- English summary.
- Cinchona*.
- 50999 FREITAS, L. G. DE. Culture and research in the black Acacia in Rio Grande do Sul. (In Portuguese.) *Agr. e Pecuaria* 22(329):30-31. Feb. 1951. 9.2 Ag89
- 51000 GALLARDO H., L. Alimento y medicina del campo: el capulín [*Prunus serotina salicifolia*]. *Mensajero Forest.* 9(79):4, 17. Jan. 1951. 99.8 M522
- 51001 GELDER, A. VAN. Gutta-percha. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. *De landbouw in de Indische Archipel*, III, p. 476-520. Ref. 's-Gravenhage, 1950. 37 H14L
- Culture and various aspects of the industry.
- 51002 GELDER, A. VAN. Native rubber culture. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. *De landbouw in de Indische Archipel*, III, p. 427-475. Ref. 's-Gravenhage, 1950. 37 H14L
- Culture and various aspects of the industry.
- 51003 GLEISS, F. Landwirtschaftliche kulturpflanzen als bienenweide. *Imkerfreund* 6:40-42. Feb. 1951. 424.8 Im43
- 51004 HARRISON, S. G. Manna and its sources. *Kew B.* 1950:407-417. Ref. 451 K51B
- 51005 HEE, L. VAN. La culture des plantes medicinales et aromatiques dans le Benelux. *Annu. Agr. et Hort.* (1950/51)3:50-58. 1951. 13 An7
- 51006 IMMUNITY BULLETIN. Capt. N. N. Dutta; commemoration volume, April 1950. Calcutta, Bengal, Immunity Res. Inst., 1950. 131 p. 448 Im6
- Contains: On the collection of medicinal plants for a drug museum, by S. N. Bal, p. 80-85; *Cinchona* in India; a plea for a forward *Cinchona* policy, by S. Mukherjee, p. 86-94.
- 51007 IVANOVA-PAROÏSKAIA, M. I. Honey yield of the cotton plant in Uzbekistan. (In Russian.) *Pchelovodstvo* 27:479-483. Sept. 1950. 424.8 P295
- 51008 IVASHEN'KO, A. A. Rhizomic method of growing peppermint. (In Russian.) *Sovet. Agron.* 8(2):80-88. Feb. 1951. 20 So84
- 51009 KEHL, F. H. The effect of manure on the rooting of internode cuttings. *Ceylon. Tea Res. Inst. Tea Q.* 21(2/3):36-37. June/Sept. 1950. 68.18 C33
- 51010 KELLER, K. R., and LI, J. C. R. Further information on the relationship between the number of vines per hill and yield in hops (*Humulus lupulus* L.). *Agron. J.* 43:243-245. May 1951. 4 Am34P
- 51011 KEMPTON, J. H. Nutmeg—East Indian settler in the West. *Foreign Agr.* 15:84-87. Apr. 1951. 1.9 Ec7For
- Culture and the industry on the Island of Grenada.
- 51012 KESER, T. 53 wichtige heil- und gewürzpflanzen mit genauen anweisungen für anbau, ernte und verwendung. *Stuttgart, Pflanzenwerke, 1950?* 120 p. 452.8 K48
- 51013 KOPPEL, C. VAN DE. Benzoin. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. *De landbouw in de Indische Archipel*, III, p. 654-685. Ref. 's-Gravenhage, 1950. 37 H14L
- Culture and processing.
- 51014 KRAUSS, E. Die technik der weidenvermehrung und -pflanzung. *Imkerfreund* 6:38-40. Feb. 1951. 424.8 Im43
- As honey plant.
- 51015 KURATA, M. Tokuyo jushu [Plants for special uses]. Tokyo, Asakura Shoten, 1950. 276 p. (Zorin Zensho No. 4) 452.8 K96
- 51016 LINKE, W., and REBL, A. Der hopfenbau. Ed. 2, enl. *Nürnberg, Carl, 1950.* 345 p. 70 L64
- 51017 MAAS, J. G. J. A., and BOKMA, F. T. Estate rubber culture. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. *De landbouw in de Indische Archipel*, III, p. 237-426. Ref. 's-Gravenhage, 1950. 37 H14L
- Culture and various aspects of the industry.

- 51018 MAUREAU, P. Culture du genêt [*Cytisus*]. Prog. Agr. et Vitic. 1951:168-171. Apr.1/8,1951. 14 P94
- 51019 MOLDENKE, H. N. Poisonous plants of the world. Ed. 3. Yonkers, N.Y., 1951. 25 p. 452.83 M73
- 51020 MOLFINO, J. F. Balsamos medicinales. Chacra 21(245):51,57. Apr.1951. 9 C34
- Myroxylon perelrae and M. peruliferum.
- 51021 MURDOCK, O. Malaya rubber farmers grow their crops with a gun. Impl. Rec. 48(6):26. May 1951. 58.8 Im73
- Hevea culture.
- 51022 PELLETT, F. C. Purple loosestrife for bees; a good honey plant for naturalizing in marshes and along streams. Amer. Bee J. 91:191. May 1951. 424.8 Am3
- 51023 PERKINS, G. G. A method of bringing tea plants into bearing without centering. Ceylon. Tea Res. Inst. Tea Q. 21(2/3):4. June/Sept.1950. 68.18 C33
- 51024 PROTASIO BOGÉA, J. La palmera "Licurí." Hacienda 46(5):37. May 1951. 6 H11
- Syagrus coronata.
- 51025 SCOTNEY, D. J. Many uses for sphagnum moss. Farmer's Mag. 48(4):58-59. Apr.1951. 7 C165
- 51026 SHEPSTONE, D. The oil palm in western Tanganyika. East African Agr. J. 16:126-130. Jan.1951. 24 Ea74
- 51027 SHUISKIY, L. P. Lemon catnip [*Nepeta cataria* L. var. *citriodora* Dum.] as a honey plant. (In Russian.) Pchelovodstvo 27:621. Nov.1950. 424.8 P295
- 51028 SIMOES, Z. M. Commandments of a good coffee producer. (In Portuguese.) Chacaras e Quintais 83:324. Mar.15,1951. 9.2 C34
- Culture.
- 51029 SPOON, W., and TOXOPEUS, H. J. Derris root. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. De landbouw in de Indische Archipel, III, p.578-608. Ref. 's-Gravenhage, 1950. 37 H14L
- Culture and other aspects of the industry.
- 51030 TESTA, J. Industrialization of coffee culture. (In Portuguese.) São Paulo Supt. dos Serv. do Café. B. 21-23. Jan.1951. 68.29 Sa63
- 51031 TOXOPEUS, H. J. Some new plants. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. De landbouw in de Indische Archipel, III, p.706-726. 's-Gravenhage, 1950. 37 H14L
- Economic plants.
- 51032 WILDE, L. O. J. DE. Considerations générales au sujet de quelques cultures au Congo Belge. Annu. Agr. et Hort. (1950/51)3:165-209. 1951. 13 An7
- Economic plants.
- 51033 WIT, F. Chinese wood oil. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. De landbouw in de Indische Archipel, III, p.621-653. Ref. 's-Gravenhage, 1950. 37 H14L
- Tung-oil tree.
- 51034 YARHAM, E. R. World's seashore harvest. Canad. Geog. J. 42:192-199. May 1951. 470 C162
- Seaweed.
- 51035 ZEIJLSTRA FZN, H. H. Tanning and dyeing materials. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. De landbouw in de Indische Archipel, III, p.542-577. Ref. 's-Gravenhage, 1950. 37 H14L
- 51036 ZHDANOV, L. A. In regard to increasing the productivity and oil content of India mustard (*Brassica juncea* (L.) Czern.). (In Russian.) Vsesoizn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(1):3-9. 1951. 20 Ak1
- 51037 ZIKKEEV, B. V. Pererabotka vodnogo nerybnogo syr'ia [Processing of aquatic "non-piscatorial" raw material]. Moskva, Pishchepromizdat, 1950. 313 p. 461.4 Z6
- Includes seaweeds.

SOILS AND FERTILIZERS

SOIL SCIENCE

- 51038 ARAUJO, J. E. G. Teaching soil science. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:663-667. 1950. 56.09 R31
- 51039 BALLS, W. L. Below soil level. Empire Cotton Growing Rev. 28:81-96. Apr.1951. 72.8 Em7
- 51040 BAREN, F. A. VAN. A century of soil science in Indonesia. Organ. Sci. Res. Indonesia. O. S. R. P. 24, 15 p. 1951. 330.9 Or30

- 51041 BRAZIL. CENTRO NACIONAL DE ENSINO E PESQUISAS AGRONÔMICAS. COMISSÃO DE SOLOS. Suggestions for uniformity of methods of soil study. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:605-662. 1950. 56.09 R31
- 51042 COELHO FILHO, T. A. T. Uniformity of methods of study and representation of soils. The question of terminology. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:567-568. 1950. 56.09 R31
- 51043 DIECKMANN, K. Unser acker, zusammensetzung, entstehung, bearbeitung und düngung für bauern und landwirte, landwirtschaftsschulen, höhere landbauschulen. Ed. 4, rev. Berlin, Parey, 1950. 245 p. 56.24 D56
- 51044 FABRY, R. Bodenkunde für schule und praxis. Ed. 2, rev. München, Hanser, 1950. 258 p. 56 F112
- 51045 FABRY, R. Bodenuntersuchung im gelände. München, Hanser, 1950. 141 p. 56 F12
- 51046 GAUCHER, G. Les recherches pédologiques en Hollande; les enseignements à en tirer pour l'étude des sols nord-africains. Fruits et Primeurs de l'Afrique du Nord 21:97-100. Mar.1951. 80 F9482
- 51047 GORDIENKO, M. Humus- und strukturbildung im boden im lichte der neuesten sowjetischen forschung. Deut. Landwirt. 2:80-84. Feb.1951. 18 D4822
- 51048 IVANOV, V. V. A small rodent [*Citellus pygmaeus*]—corrector of saline soils. (In Russian.) Vsesoizn. Geog. Obshch. Izv. 82:551-553. Ref. Sept./Oct.1950. 511 L546
- 51049 LEENHEER, L. DE. Pedologie et production agricole. Annu. Agr. et Hort. (1949/50)2:11-15. 1950. 13 An7
- Belgium.
- 51050 MITSCHERLICH, E. A. Bodenkunde für landwirte, forstwirte und gärtner in pflanzenphysiologischer ausrichtung und auswertung. Ed. 6. Berlin, Parey, 1950. 371 p. 56.4 M69
- 51051 OGG, SIR W. Experimenting with soil. Sci. Mon. 72:332-334. May 1951. 470 Sci23
- 51052 RAMSAUER, B. Boden- und wassernutzung und erhaltung im rahmen der FAO. Oesterr. Wasserwirt. 3:76-78. Apr.1951. 55.8 Oe8
- 51053 REUNIAO BRASILEIRA DE CIÊNCIA DO SOLO, RIO DE JANEIRO, 1947. Anais [Annals]. Rio de Janeiro, 1950. 679 p. 56.09 R31
- 51054 RUSSELL, SIR E. J. Lessons on soil. Cambridge, U. Press, 1950. 133 p. 56 R91L
- 51055 SIMONSON, R. W. The soil under natural and cultural environments. J. Soil & Water Conserv. 6:63-69. Apr.1951. 56.8 J822
- 51056 STERNBERG, H. O. Additions to a glossary of soil science. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:675-679. 1950. 56.09 R31

Soil Physics

- 51057 BAUMANN, H. Zur ermittlung des wasserbedarfs der landwirtschaft. Wasser u. Boden 2:225-227. Nov.1950. 56.8 W28
- 51058 BLAKE, G. R. The aeration of soils with special emphasis on the diffusion process in soil air renewal. Ohio. State U. Abs. Doct. Diss. 59:263-269. 1950. 241.8 Oh3
- 51059 BOL'SHAKOV, A. F. Experiment in determining the moisture of wilting under field conditions. (In Russian.) Pochvovedenie 1951:54-56. Ref. Jan.1951. 57.8 P34
- Effect of soil moisture on wheat.
- 51060 BUROV, D. I. In regard to the zone of water evaporation under conditions of Chernozem soils in the Volga Area. (In Russian.) Pochvovedenie 1951:43-53. Ref. Jan.1951. 57.8 P34
- 51061 HENIN, S., and ROBICHET, O. Observations sur le gel du sol et ses conséquences agronomiques. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron. 1:732-747. Nov./Dec.1950. 14 F8499
- 51062 INSTITUTION OF CIVIL ENGINEERS, LONDON. Bibliography on soil mechanics, v. 1. London, 1950. 380 p. 241.4 In72
- Have also Supplement 1947-1948, 112 p.; Supplement 1949. 42 p. 1950-51.
- 51063 KACHINSKIY, N. A. Opyt agrofizicheskoy kharakteristiki pochvy na primere Tsentral'nogo Urala [Result of agrophysical study of soils of Central Ural]. Moskva, Akademiya Nauk SSR, 1950. 239 p. 56.43 K110
- 51064 OLBERTZ, M. H. Zur wirkung der dränage auf die krümelstruktur des bodens. Deut. Landwirt. 2:73. Feb.1951. 18 D4822

51065 PAIVA NETTO, J. E. DE, and JORGE, W. DE. Preliminary study of the water-soil-plant system in the State of São Paulo. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:59-78. Ref. 1950. 56.09 R31 English summary.

51066 PCHELINTSEV, A. M. A new auger for taki frozen soil and ground samples with an unbroken structure. (In Russian.) Pochvovedenie 1951:57-58. Jan.1951. 57.8 P34

51067 PRAILL, F. E. M. Wheel spinning tractors can spoil the soil texture. Grower [London] 35:820-821. Apr. 21.1951. 286.83 M34

51068 PROCTER, C. Subsoil moisture needs careful watching. Grower [London] 35:769. Apr.14.1951. 286.83 M34

For growing tomatoes.

51069 SEGEBERG, H. Die bedeutung der probeentnahme und volumengewichtsbestimmung von moorböden und ihre praktische durchführung. Wasser u. Boden 2:215-217. Oct.1950. 56.8 W28

Soil Chemistry and Mineralogy

51070 BARRERA, A. A reconnaissance soil reaction survey of Occidental Negros. Soil Sci. Soc. Philippines. J. 3:26-29. First Q.1951. 56.9 So35

51071 BASTISSE, E. M. Recherches sur les conditions théoriques et pratiques permettant le maintien de l'assimilabilité de l'acide phosphorique dans les terres latéritiques: deuxième mémoire: expériences au laboratoire. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron. 1:748-761. Nov./Dec.1950. 14 F8499

51072 BYKOVA, L. N. Methods of work in studying the nitrogen cycle and ash content in forest plantations. (In Russian.) Pochvovedenie 1951:59-64. Ref. Jan.1951. 57.8 P34

51073 CALDWELL, A. C., HUSTRULID, A., and MACGREGOR, J. M. Radioactive phosphorus, a new tool in soil research. Minn. Farm & Home Sci. [Minn. Sta.] 8(2):5,7. Feb.1951. 100 M668

51074 CAMERON, A. E. Mildura soils; analyses to determine differences between red types on north and south sides of Murray. Citrus News 27:5. Jan.1951. 80 C494

51075 DE JONG, P. The analysis of the soil. Planters Chron. 46(4):93-95. Feb.15.1951. 22 P693

51076 DEMOLON, A., and BOISCHOT, P. Sur l'appréciation au laboratoire du niveau phosphorique des sols. Acad. d'Agr. de France. Compt. Rend. 36:711-713. Dec.13/20.1950. 14 P215Bc

51077 DIEZ CANSECO, O. Laboratorio químico para análisis de suelos. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(64):29-39. Oct./Dec.1950. 9.5 M31

51078 ENGLE, E. A., and MACDONALD, M. H. Micro determination of selenium in agricultural materials. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:20. Oct.1950. 500 C717

Soils and plants.

51079 FIREMAN, M., and WADLEIGH, C. H. A statistical study of the relation between pH and the exchangeable-sodium-percentage of western soils. Soil Sci. 71:273-285. Apr.1951. 56.8 So3

51080 FREITAS, G. G. DE. Phosphorus in soils and its determination. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:109-144. Ref. 1950. 56.09 R31

51081 FULLER, W. H. Availability of added phosphates. Prog. Agr. Ariz. 3:5,11. Apr./June 1951. 6 P9452

First of a series about phosphates in calcareous Arizona soils.

51082 FULLER, W. H., and MCGEORGE, W. T. Phosphates in calcareous Arizona soils: III. Distribution in some representative profiles. Soil Sci. 71:315-323. Apr.1951. 56.8 So3

51083 GIDDENS, J., and TOTH, S. J. Growth and nutrient uptake of Ladino clover grown on Red and Yellow and Grey-Brown Podzolic soils containing varying ratios of cations. Agron. J. 43:209-214. Ref. May 1951. 4 Am34P

51084 HENDERSON, A. F. C. Soil acidity. Queensland Prod. 32(29):17. Jan.17.1951. 23 Q35

51085 HERMAN, F. A. Chemical changes of orchard soils. Quebec Soc. Protect. Plants. Rpt. 31:82-86. Dec.31.1950. 464.9 Q3

51086 JEFFRIES, C. D. Occurrence of fluorine in limestones and dolomites. Soil Sci. 71:287-289. Apr. 1951. 56.8 So3

51087 JOUIS, E., and LECACHEUX, M. T. Les méthodes rapides dans l'analyse des sols; résultats obtenus pour les sols normands. Acad. d'Agr. de France. Compt. Re nd. 37:80-82. Jan.24/31.1951. 14 P215Bc

51088 JUON, P. L. Know the agricultural soil. (In Italian.) Agenzia Romana Note e Inform. Agr. 26:6. Apr.18.1951. 281.8 Ag3

Analysis and properties.

51089 KLECHKOVSKIĬ, V. M., and ZHERDETSKAĬA, G. N. Study of phosphate-ion sorption in soils with the aid of the reaction of isotopic displacements. (In Russian.) Akad. Nauk SSSR. Dok. 76:717-720. Feb.11. 1951. 511 P444A

51090 KORABLEVA, L. I. Effect of systematic application of manure and plant cover on phosphate regime of turfy-Podzolic soils. (In Russian.) Pochvovedenie 1951:101-114. Ref. Feb.1951. 57.8 P34

51091 MALQUORI, A. Stability of the mineral absorbing complex of soil. (In Italian.) Chim. e l'Indus. 33:15-17. Jan.1951. 385 G43

51092 MATELSKI, R. P. Separation of minerals by subdividing solidified bromoform after centrifugation. Soil Sci. 71:269-272. Apr.1951. 56.8 So3

51093 MOHR, W. Indirect method of determination of exchangeable magnesium in the soil. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:155-159. 1950. 56.09 R31

51094 MOHR, W. Soil analysis to help the farmer; its technique and interpretation. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:185-215. 1950. 56.09 R31

51095 NICHOLAS, D. J. D., and FIELDING, A. H. The use of *Aspergillus niger* (M.) for the determination of magnesium, zinc, copper and molybdenum available in soils to crop plants. J. Hort. Sci. 26:125-147. Ref. Mar.1951. 80 J825

51096 OWEN, O., ROBERTS, D. W., and WINSOR, G. W. The nitrogen status of soils; the nitrification of some nitrogenous fertilisers. Fert. Feed. Stuffs & Farm Supplies J. 37:277-279. (Concl.) May 2.1951. 57.8 F413

51097 PAIVA NETTO, J. E. DE, and others. Contribution to a study of analytic methods and extraction for the chemical analysis of soils in the State of São Paulo. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:79-108. Ref. 1950. 56.09 R31

R. A. Catani, M. S. Queiroz, and A. Küpper, joint authors.

English summary.

51098 PRASAD, S. N., and JONEJA, K. L. A preliminary survey of manganese in different soil types of Bihar and its differential uptake by sugarcane on these types. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.2):47-48. 1951. 65.9 C766

51099 RAMOS, B. M. Determination of available phosphorus in the soil. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:281-287. Ref. 1950. 56.09 R31

51100 RAMOS, F., and KEHRIG, A. G. Description and criticism of methods of analysis. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:583-604. 1950. 56.09 R31

51101 RENDIG, V. V. Fractionation of soil nitrogen and factors affecting distribution. Soil Sci. 71:253-267. Ref. Apr.1951. 56.8 So3

51102 ROBERTS, R. C. Chemical effects of salt-tolerant shrubs on soils. Internatl. Cong. Soil Sci. Trans. 4(1):404-406. 1950. 56.09 In844

Guayule and *Adenostoma* compared with *Sarcobatus*.

51103 SILVA, J. A. DA. Determination of optimum pH for the development of organisms decomposing cellulose in laboratory media. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:169-172. 1950. 56.09 R31

51104 STEPHENSON, R. E. The availability and absorption of fertilizer elements. Oreg. State Hort. Soc. Proc. 65:15-19. 1950. 81 Or32

51105 STOCKDALE, A. The meaning of pH. Amer. Orchid Soc. B. 20:199-201. Apr.1951. 80 Am329

51106 TEIXEIRA, A. DA S., and others. Contribution to standardization of methods for chemical and physical soil analysis. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:173-183. 1950. 56.09 R31

J. W. da C. Lima, G. C. L. Almeida, A. Krutman, and E. C. Azevedo, joint authors.

51107 THORNE, J., and TOLMAN, B. Use of available phosphate test as a help in determining need of phosphate. Amer. Soc. Sugar Beet Technol. Proc. 6:315-316. 1950. 66.9 Am35

51108 TOLMAN, B., and GADDIE, R. S. Levels of available phosphate in soils in Utah, Idaho, Washington, Montana and South Dakota as shown by soil tests. Amer. Soc. Sugar Beet Technol. Proc. 6:311-314. 1950. 66.9 Am35

51109 U. S. REGIONAL SALINITY LABORATORY RIVERSIDE, CALIF. List of publications. Riverside, Calif., 1950? 10 p. 1.965 A2L693

51110 VETTORI, L., and FIGUEIREDO, T. P. DE. Determination of SiO₂ in soils. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:145-154. 1950. 56.09 R31

51111 WASSINK, J. T. Potassium deficiency in afforested inland sand dunes covering a former heath formation. (In Dutch.) Nederland. Boschbouw-Tijdschr. 23:65-67. Mar. 1951. 99.8 N28

51112 WEBER, L. R., and CHEN, Y. M. A semi-quantitative spectrographic analysis of soils. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:48-49. Oct. 1950. 500 C717

51113 WILLIAMS, C. H. Studies on soil phosphorus. I-III. J. Agr. Sci. 40:233-262. Ref. July 1950. 10 J822
I, A method for the partial fractionation of soil phosphorus; II, The nature of native and residual phosphorus in some South Australian soils; III, Phosphorus fractionation as a fertility index in South Australian soils.

51114 YUEN, S. H., and POLLARD, A. G. The availability of soil phosphate. I. Examination of the soil solution with special reference to the fixation of phosphate. J. Sci. Food & Agr. 2:186-192. Ref. Apr. 1951. 382 So12

Soil Biology

51115 BAFILE, M. Industrial production of humus and the artificial breeding of earthworms. II. (In Italian.) Italia Agr. 88:143-151. Mar. 1951. 16 It1

51116 BLAIR, I. D. Micro-organisms and plant growth; the scope of recent soil microbiological research. Lincoln Col. Tech. P. 5, 42 p. Ref. Feb. 1951. 109 C162T

51117 CASAS-CAMPILLO, C. Rizobacidina, un antibiotico con particular actividad para las bacterias de los nodulos de las leguminosas. Ciencia 11(1/2):21-28. Ref. 1951. 475 C48

English summary.

51118 DERX, H. G., VRIES, J. T. DE, and WITTENBERNS-KLERKX, E. L. Further researches on Beijerinckia. Bogor. Bot. Gard. Ann. Bogorienses 1:1-11. Ref. Oct. 1950. 451 B63

51119 GLADILOVICH, B. R., and TARASOVA, A. A. Experiment in application of AMB [autochthonic microflora B] bacterial fertilizer on some soils of the turfy-Podzolic zone. (In Russian.) Sovet. Agron. 8(2):64-70. Feb. 1951. 20 So84

51120 GUILD, W. J. M. Earthworms in agriculture. Scot. Agr. 30:220-223. Spring 1951. 10 Sco82So

51121 KICK, H. Ertragssteigerung durch bakterienimpfung. Württemb. Wehnl. f. Landwirt. 118:237-238. Mar. 24, 1951. 18 W96

Azotobacter.

51122 KONIKOVA, A. S., and KRITSMAN, M. G. Use of method of tagged atoms in microbiology. (In Russian.) Mikrobiologiya 20:58-71. Ref. Jan./Feb. 1951. 448.3 M582

Includes nitrogen fixation.

51123 MARAVALHAS, N. New method for the isolation of fungistatic microorganisms in the soil. (In Portuguese.) Dusenía 2:21-24. Jan. 25, 1951. 410 D94

English summary.

51124 MARCILLA ARRAZOLA, J., AGUIRRE ANDRES, J., and XANDRI TAGÜENA, J. M. Inoculación de las semillas de leguminosas con bacterias radicícolas. Experiencias sobre inoculación de alfalfa con preparados comerciales de "Rhizobium meliloti." 4. Spain. Inst. Nac. de Invest. Agron. B. 10:305-367. Ref. Dec. 1950. 105.6 Sp14

51125 MILLER, J. J., PEERS, D. J., and NEAL, R. W. A comparison of the effects of several concentrations of oxgall in platings of soil fungi. Canad. J. Bot. 29:26-31. Feb. 1951. 470 C16C

51126 MOFFETT, B. W. Earthworms are highly beneficial to soil. Farm & Gard. [Watertown] 1951:4. Mar. 17, 1951. 6 F234

51127 MOSTAFA, M. A., and MAHMOUD, M. Z. Bacterial isolates from root nodules of Zygophyllaceae. Nature [London] 167:446-447. Mar. 17, 1951. 472 N21

51128 NOVIOROSSOVA, L. E. On the biological accumulation of silicic acid in Picea forest soils. (In Russian.) Pochvovedenie 1951:115-118. Feb. 1951. 57.8 P34

51129 PRAMANIK, B. N., and MISRA, S. A. N. Certain bacteriological investigations carried out at the main Sugarcane Research Station, Shahjahanpur. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):97-108. 1951. 65.9 C766

In soils.

51130 PSCHORN-WALCHER, H. Bodenleben und humusbildung in waldböden. Allg. Forstz. 6:197. Apr. 25, 1951. 99.8 AL52

51131 SILVA, J. A. DA. Determination of optimum pH in the development of the nitrifying soil bacteria in laboratory media. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:173-183. 1950. 56.09 R31

51132 STREMMER, Regenwürmer im bodenprofil und ihre vernichtung durch salze. Deut. Landwirt. 2:67-70. Feb. 1951. 18 D4822

51133 TEIXEIRA, A. DA. S., and others. Standards adopted by the Soils Section of the Instituto de Pesquisas Agronômicas in the microbiological analysis of Pernambuco soils. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:161-167. 1950. 56.09 R31

J. W. da C. Lima, A. Krutman, S. da C. Santos, G. C. L. Almeida, and E. C. de Azevedo, joint authors.

51134 TOLNER, J. Results of soil inoculation for peas and tick-beans. (In Dutch.) Landbode 5(16):2. Apr. 21, 1951. 12 L234

Soil-Plant-Animal Relationships

51135 ALBRECHT, W. A. Soil and livestock work together. Queensland Prod. 32(27):6-11. Jan. 3, 1951. 23 Q35

51136 ALLISON, I. Human health and trace minerals. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:70-74. Apr. 1951. 281.8 Am32

51137 JENNINGS, O. E. Dairy production and trace minerals. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:65-69. Apr. 1951. 281.8 Am32

Trace minerals in animal nutrition.

51138 LANDIS, C. C. Relation of soil to health. New Agr. 33(6):6-9. Mar. 1951. 66.8 Su32

Soil Genesis, Formation, Classification, and Mapping

51139 BRAMAO, D. L., and others. The soil map of Portugal. Internatl. Cong. Soil Sci. Trans. 4(1):290-292. 1950. 56.09 In844

S. Garcia, S. Marques, and A. Teixeira, joint authors.

51140 BURINGH, P. The soil of Gelderland. I-II. (In Dutch.) Landbode 5(15):2;(16):11. Apr. 14-21, 1951. 12 L234

51141 CLEMENTS, D. J. M. Examination of the properties of a moorland soil. Blundell's Sch. Sci. Soc. Mag. 5:64-66. 1950. 410 B62

England.

51142 CUTLER, E. J. B. Soils of Southland County. New Zeal. Grassland Conf. Papers 12:1-7. 1950. 60.19 N48

51143 FAGUNDES, A. B., and others. Contribution to a study of soils of the Sepetiba lowlands. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:393-526. 1950. 56.09 R31

L. Vettori, C. del Negro, and F. Ramos, joint authors.

51144 FRANCO, A. Silt or "limon." (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:669-670. 1950. 56.09 R31

51145 GERASIMOV, I. P., and PETROV, B. F. On principles of drawing soil survey maps. (In Russian.) Pochvovedenie 1951:119-123. Feb. 1951. 57.8 P34

51146 HESTER, J. B., SHELTON, F. A., and ISAACS, R. L., JR. Know your soil. VIII. Penn Silt Loam. Better Crops Plant Food 35(3):15-17, 48. Mar. 1951. 6 B46

51147 JANSSENS, J. La carte des sols de la Belgique. Annu. Agr. et Hort. (1949/50)2:15-22. 1950. 13 An7

51148 KELLER, W. D. Geology for the farmer. II. Org. Farmer 2(8):36-41. Mar. 1951. 57.8 Or3

51149 KELLOGG, C. E., and NYGARD, I. J. Exploratory study of the principal soil groups of Alaska. U. S. D. A. Agr. Monog. 7, 138 p. Ref. Mar. 1951. 1 Ag84Am

51150 KOHLER, E. J. Reconnaissance soil survey of Japan: Nagoya area. Supreme Commander Allied Powers. Nat. Resources Sect. Rpt. 110-F, 79 p. Apr. 1951. 280.9 AL5

51151 KRUSEKOPF, H. H. Soil resources. In Gist, N. P., ed. Missouri, its resources, people, and institutions, p. 29-57. Columbia, 1950. 280.047 G44

51152 LORENZ, W. Bodenkarten und beispiele ihrer nutzanwendung durch wissenschaft und praxis. Deut. Landwirt. 2:25-32. Jan. 1951. 18 D4822

51153 LOZET, J. L'examen du profil pédologique au Congo Belge. Belgium. Dir. Gén. de l'Agr. et de l'Elevage. Tract 31, 66 p. Ref. 1951. 13 B414

51154 MELLO, E. M. DE. Soil classification. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:527-539. Ref. 1950. 56.09 R31

51155 PRASAD, S. N., BHATTACHARYA, P. B., and SINHA, S. D. Characterisation and classification of soils of the sugarcane tracts in the State of Bihar. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1 (1,sect.2):44-45. 1951. 65.9 C766

- 51156 RAMOS, F., and VARZEA, A. Preliminary cartograms of agricultural micro-regions of the Federal District. (In Portuguese.) *Reunião Bras. de Ciên. do Solo*. An. (1947)1:541-559. 1950. 56.09 R31
- 51157 SETZER, J. Project for agro-geological data for Brazil. (In Portuguese.) *Reunião Bras. de Ciên. do Solo*. An. (1947)1:671-674. 1950. 56.09 R31

SOIL MANAGEMENT

- 51158 ANTIPOV-KARATAEV, I. N., PAK, K. P., and FILIPPOVA, V. N. Increasing the fertility of Solonetz soils during irrigation under conditions of the grass-field crop rotation system of agriculture. (In Russian.) *Sovet. Agron.* 8(2):48-63. Feb.1951. 20 So84
- 51159 BRICHET, J. La conservation de l'humidité utile dans le sol des orangeries adultes. *Fruits et Primeurs de l'Afrique du Nord* 21:77-80. Mar.1951 80 F9482
- 51160 CARAH, W. M. Keswick erases erosion. *Amer. Forests* 57(5):21,38. May 1951. 99.8 F762
A California watershed.
- 51161 CHEVALIER, G. Nouvelles données sur l'amélioration de certains sols nord-africains. *Fruits et Primeurs de l'Afrique du Nord* 21:124-126. Apr.1951. 80 F9482
- 51162 COLEMAN, N. M. Clinics for sick soil. *Better Crops Plant Food* 35(3):23-24,46. Mar.1951. 6 B46
- 51163 CUMMING, M. Building up run-out land; many Maritime farmers face problem of improving their soils without the benefit of manure. *Family Herald & Wk. Star* 82(18):6. May 3,1951. 7 F21
- 51164 DAUNOY, H. L. New concepts of soil improvement. *Amer. Rose Annu.* 36:66-70. 1951. 81 Am31A
- 51165 DAVIS, J. F. Soil management practices for sugar beets grown on organic soils. *Amer. Soc. Sugar Beet Technol. Proc.* 6:294-301. 1950. 66.9 Am35
- 51166 D'ELEUSIS, C. Bugs are a vested interest; does agricultural science close its eyes to organiculture because the poison interests control its purse strings? *Org. Farmer* 2(10):42-45. May 1951. 57.8 Or3
- 51167 FEDERICO, S. The mountain is revenged. (In Italian.) *Humus* 7(3):3-5. Mar.1951. 16 H88
Reclamation in Italy.
- 51168 FRENCH, N. H. New land; range waterspread-ing builds new land for the West. *Amer. Cattle Prod.* 32 (12):9-10. May 1951. 49 P94
- 51169 FUCHS, K. Meine erfahrungen in der moor-wirtschaft. *Landwirtbl. Weser-Ems* 98:256-258. Mar.22, 1951. 18 L2345
Soil management.
- 51170 HERBERT, J. Where do you stand? *Org. Farmer* 2(8):56-58. Mar.1951. 57.8 Or3
Organic farming.
- 51171 HICKS, SIR C. S. Food and folly. *Mother Earth* 5:13-26. Ref. Winter 1950/51. 56.8 M85
Soil management.
- 51172 HUBERTY, M. R., and PILLSBURY, A. F. Reclamation of saline soils in Coachella Valley, Calif., U. S. A. *Internatl. Cong. Soil Sci. Trans.* 4(1):383-385. 1950. 56.09 In844
- 51173 JOHNSON, O. H., JR., and HITZ, C. W. Use of the Bouyoucos moisture meter in determining moisture under different systems of orchard soil management. *Cumberland-Shenandoah Fruit Workers' Conf. [Proc.]* 26:115-116. 1950. 81 C91
- 51174 KANNENBERG, H. Über die kulturwürdigkeit der niederungs-und hochmoore im nordwestdeutschen raum. *Wasser u. Boden* 2:217-218. Oct.1950. 56.8 W28
- 51175 MOHRMANN, K. J. M. Some observations on arable land previously used for airfields. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:43-57. Feb.1951. 12 N282
- 51176 POTTER, G. F., and CRANE, H. L. Soil management in the tung orchard. *Tung World* 5(10):13, 15-17. Feb.1951. 77.8 T83
- 51177 POULSON, E. N., and SWARNER, L. R. Whats in a soil? *Utah Farmer* 71:312,342-344. Apr.19,1951. 6 D45
Soil management.
- 51178 RAMADORO, A. Hastening [reclamation] on the Southern Bank. (In Italian.) *Agr. Ital.* 2(1/2):26-30. Jan.1/15,1951. 16 Ag822
Reclamation programs in connection with the European Recovery Program.
- 51179 RAMIREZ VILLALOBOS, M. La tierra se empobrece con la práctica viciada de las quemadas. *Agr. Costarricense* 9:57-58. Feb.1951. 8 Ag895

- 51180 RIGON, P. Recuperación de terrenos. *Soc. Rur. Argentina. An.* 84(12):48-49. Dec.1950. 9 S01
- 51181 RÜHMANN, Erfahrungen bei der durchführung von landwirtschaftlichen folgemaßnahmen im Eidergebiet. *Wasser u. Boden* 2:153-155. Aug.1950. 56.8 W28
- 51182 SEARLES, R. D. The problems of brush as it affects the run-off on the watershed. *Ariz. Cattlelog* 6(7): 50-53. Mar.1951. 43.8 Ar42
- 51183 SWANSON, C. L. W. Lime removals by—erosion, leaching, crops, fertilizers, sprays, and dust. *Better Crops Plant Food* 35(4):18-20,44-45. Apr.1951. 6 B46
- 51184 SYKES, F. Can mineral deficiencies be rectified artificially? *Mother Earth* 5:47-49. Winter 1950/51. 56.8 M85
- 51185 TEIPEL, R. Bodenverdichtungen in Thüringen. *Deut. Landwirt.* 2:151-155. Ref. Mar.1951. 18 D4822
- 51186 TILL, A. Zur bewertung landwirtschaftlich genutzter böden Österreichs. *Bodenkultur* 4:385-393. 1950. 19 B635
- 51187 UCHIDA, K., and others. Soil, manure and fertilizers of the reclaimed land in Shidzuoka Prefecture. (In Japanese.) In *Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary*, p.169-182. Shidzuoka,1950. 107.6 Sh6Co
T. Amano, Z. Korenaga, and K. Yamada, joint authors.
- 51188 VAN CLUTE, J. With nature's help. *Org. Farmer* 2(8):32-35,55. Mar.1951. 57.8 Or3
An organic dairy farm.
- 51189 WITTEKIND. Gründung von bodenverbänden zur verhütung oder vermindierung von industrieschäden in der landwirtschaft. *Wasser u. Boden* 2:239-242. Nov.1950. 56.8 W28
- 51190 ZANINI, E. The Gela Plain district; projects planned for its development. (In Italian.) *Agr. Ital.* 2: 115-124. Mar.1,1951. 16 Ag822
Reclamation in Sicily.
- 51191 ZHIVOV, V. I. On one important measure in improving the use of land on collective and state farms (on eliminating depressions in fields). (In Russian.) *Sovet. Agron* 8(2):71-75. Feb.1951. 20 So84

Soil Fertility

- 51192 AALTONEN, V. T. Über den einfluss des waldes auf die fruchtbarkeit des bodens. *World Forestry Cong. Proc.* 3(3):62-67. 1949, pub.1950. 99.9 C76912A
- 51193 ALDRICH, D. G. Trees: response of lemon trees tested by California growers. *Com. Fert.* 82(4): 31-32,34-36. Apr.1951. 57.8 C73
- 51194 ALEXANDER, J. T., and CORMANY, C. E. Effect of rate and date of nitrogen application on sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:353-355. 1950. 66.9 Am35
- 51195 ANDRIES, A. Essais comparatifs de fumure sur pré à faucher. *Annu. Agr. et Hort.* (1949/50)2:44-48. 1950. 13 An7
- 51196 APPLE, S. B., JR. Preliminary report of 1950 fertilizer experiments with pole beans. *Oreg. State Hort. Soc. Proc.* 65:102-104. 1950. 81 Or32
- 51197 AVDONIN, N. S. *Primeneniye granulirovannogo superfosfata [Application of granulated super phosphate]*. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 118 p. 57.24 Av2
- 51198 BARBIER, G., and GUENNELON, R. Variation actuelle de l'humus dans des fermes sans fumier. *Acad. d'Agr. de France. Compt. Rend.* 37:119-123. Feb.7/14,1951. 14 P215Bc
Includes discussion.
- 51199 BAUR, K., and TREMBLAY, F. T. Fertilizer placements, vegetables and small fruits. *Oreg. State Hort. Soc. Proc.* 65:95-97. 1950. 81 Or32
- 51200 BEAR, F. E. Soil nutrients build your pasture. *Crops & Soils* 3(7):9-12. Apr./May 1951. 6 W55
- 51201 BERGER, K. C. Sugar beet fertilization in Wisconsin. *Amer. Soc. Sugar Beet Technol. Proc.* 6:440-444. 1950. 66.9 Am35
- 51202 BERGER, K. C. Trace elements. *Successful Farming* 49(5):40,146-149. May 1951. 6 Su12
In plant nutrition.
- 51203 BLOM, A. Salting of soil in greenhouses. (In Dutch.) *Groenten en Fruit* 6:596-597. Feb.22,1951. 80 G89
- 51204 BOS, J. Fertilizing in fruit culture. (In Dutch.) *Stichting Nederlands Landb. Kalk Bur. Voorlichtingsbl.* 4:18-28. Jan.1951. 57.9 St5
- 51205 BOUBALS, D., and HUGLIN, P. Observations sur la sensibilité au salant de certaines espèces et hybrides d'espèces du genre Vitis. *Prog. Agr. et Vitic.* 1951:145-146. Mar.18/25,1951. 14 P94

- 51206 BOYNTON, D. Use of foliage sprays and ways to meet fertilizer shortages. N. Y. State Hort. Soc. Proc. 96:230-235. 1951. 81 N484
- 51207 BRESAOLA, M. Esperienze sulla concimazione del prato stabile di piano e di monte [Experiments on fertilizing permanent prairie of plains and mountain regions]. Roma, Istituto Poligrafico dello Stato, 1950. 234 p. 57.07 B75E
- 51208 BRIMHALL, L. L., and MCGEORGE, W. T. Cotton fertilization. Ariz. Agr. Expt. Sta. B. 234, 21 p. Mar. 1951. 100 Ar4
- 51209 BRUNELLI, P. Business conditions and increase of production in agriculture. (In Italian.) Avvenire Agr. 59:89-91. Apr. 1951. 16 Av9
- Chiefly on increasing production through proper use of fertilizers.
- 51210 BUSH, R. Cherries flourish on an acid soil. Grower [London] 35:862-863. Apr. 28, 1951. 286.83 M34
- 51211 CALDWELL, A. C. Fertilizer recommendations for 1951. Hormel Farmer 14(7):4-5. Mar. 15, 1951. 49 H782
- 51212 CALZADA BENZA, J. Efecto de las combinaciones de los abonos nitrogenados en el cultivo del algodón. Co. Admin. del Guano, Peru. B. 26:85-90. June/July 1950. 57.9 C73B
- 51213 CHAPLIN, P. Cocksfoot gives a fibrous turf. Grower [London] 35:823. Apr. 21, 1951. 286.83 M34
- Making turf for carnation soils.
- 51214 CHAPMAN, C. J. Fertilizing the corn crop in Wisconsin. Better Crops Plant Food 35(3):6-10, 44-45. Mar. 1951. 6 B46
- 51215 CHAPMAN, H. D. Why so much nitrogen? Citrus Leaves 31(4):6-7, 24-26, 42. Ref. Apr. 1951. 80 C492
- Nitrogen requirement of California citrus soils.
- 51216 COOK, E. D., and others. Nitrogen, phosphorus & potassium affect Camellia oats. Tex. Livestock J. 10(3):25, 29. Mar. 15, 1951. 49 T29
- J. C. Smith, L. E. Crane, and R. P. Bates, joint authors.
- 51217 CUMMINGS, R. W. Importance of chemical fertilizers in Southern farming. Amer. Plant Food Council. J. 5:10-13. Jan./Mar. 1951. 57.8 P692
- 51218 CURCIO, M. Fertilizing tobacco. (In Italian.) Tabacco 55:73-80. (Concl.) Ref. Feb. 1951. 69.8 T115
- 51219 DAVIS, F. L. Nutritional problems of peanuts in southeastern Alabama. Better Crops Plant Food 35(4):6-10, 45-48. Apr. 1951. 6 B46
- 51220 DAY, V. F. P. More soil problems. Natl. Rose Soc. Rose Annu. 1951:50-52. 84 N21
- 51221 DEGMAN, E. S. The effect of nitrogen fertilizer sprays on pears. Oreg. State Hort. Soc. Proc. 65:45-46. 1950. 81 Or32
- 51222 DERIBERE, M. Utilisation des radioisotopes dans l'étude des engrais et dans les techniques agricoles. II. Indus. Chim. 38:65-67. Mar. 1951. 383 In2
- 51223 DICKEY, J. B. R. Fitting fertilizer treatment to soil needs. Pa. Farmer 144:302, 326, 343. Apr. 14, 1951. 6 P383
- 51224 DOMSCH, M. Über die auswirkung ausreichender gaben phosphorsäuredünger auf thüringer böden. Deut. Landwirt. 2:186-188. Apr. 1951. 18 D4822
- 51225 DÖRING, H. Über das phosphorsäure-aufschliessungsvermögen der spitzklette. Deut. Landwirt. 2:58. Feb. 1951. 18 D4822
- 51226 DOWNIE, A. R. Summary of fertilizer results—1949. Amer. Soc. Sugar Beet Technol. Proc. 6:445-447. 1950. 66.9 Am35
- 51227 DROSDOFF, M., and LAGASSE, F. S. USDA experts outline tung soil qualifications. Tung World 5(7):10-12. Nov. 1950. 77.8 T83
- 51228 DUMENIL, L. Don't starve your corn. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:150-152. Apr. 1951. 275.28 Io94
- 51229 DUYVERMAN, J. J. Lime requirements of some Dutch soils. III. (In Dutch.) Stichting Nederlands Landb. Kalk Bur. Voorlichtingsbl. 4:12-17. Jan. 1951. 57.9 St5
- 51230 EICHMANN, O. T. A new look at fertilizers. Gladiolus Mag. 15(2):21-22, 34, 36, 38. Apr. 1951. 96.43 N44 Suppl.
- 51231 ELBERT, W. Beseitigung der bodenverarmung durch hüttenkalk. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:435-436. Mar. 22, 1951. 18 L2346
- 51232 EYSTER, W. H. Hungry plants cost money. Org. Farmer 2(10):25-29. May 1951. 57.8 Or3
- 51233 FAGUNDES, A. B., KALCKMANN, R. E., and VEIGA, F. M. Fertilizer tests for sugarcane in the Campos region. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:249-276. 1950. 56.09 R31
- English summary.
- 51234 FAGUNDES, A. B., and KALCKMANN, R. E. Field tests of fertility problems. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:217-231. 1950. 56.09 R31
- 51235 FISHER, E. G. Uses of foliage sprays and ways to meet fertilizer shortages and soil difficulties. N. Y. State Hort. Soc. Proc. 96:290-291. 1951. 81 N484
- 51236 GARCIA, A. Existe un agudo problema de fertilidad en la mayorfa de los suelos del Ecuador. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(64):25-27. Oct./Dec. 1950. 9.5 M31
- 51237 GIDDENS, J., PERKINS, F. H., and COLLINS, W. O. Can soil organic matter be accumulated? Better Crops Plant Food 35(4):25-26, 42-43. Apr. 1951. 6 B46
- 51238 GOTTFELD, S. F. Two remarks about fertilisation. (In Hebrew.) Hassadeh 31:303-304. Mar. 1951. 26 H27
- 51239 GOVINDARAJAN, S. V. More effective use of fertilizers. Mysore Agr. J. 26:57-59. Jan. 1951. 22 M993
- 51240 GREGG, C. M., and HARRISON, C. M. A study of the effects of some different sods and fertilizers on sugar beet yields. Amer. Soc. Sugar Beet Technol. Proc. 6:306-310. 1950. 66.9 Am35
- 51241 GROVEN, I. Vegetable fertilizing. (In Norwegian.) Gartneryrket 41:203-208. Mar. 17, 1951. 80 G1938
- 51242 GUGGEMOS, L. Düngung auf wiesen und ihre rentabilität. Allgäuer Bauernbl. 19:178-179. Mar. 29, 1951. 18 AL53
- 51243 GUIMARÃES, D. Considerations on the use of superphosphates. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:277-279. 1950. 56.09 R31
- 51244 HARTIG, H. Zur zeitlichen anwendung des stickstoffdüngers. Deut. Landwirt. 2:147-149. Mar. 1951. 18 D4822
- 51245 HAUSSMANN, G. Phosphate fertilizers for forage crops. (In Italian.) Italia Agr. 88:125-130. Mar. 1951. 16 It1
- 51246 HERPERS, H. Dünge richtig, das ist wichtig! Ed. 4, enl. Stuttgart, Ulmer, 1950. 49 p. 57 H43
- 51247 HERRERA, C. Fertilización del café. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(64):5-8. Oct./Dec. 1950. 9.5 M31
- 51248 HILLS, F. J., and AXTELL, J. D. The effect of several nitrogen sources on beet sugar yields in Kern County, California. Amer. Soc. Sugar Beet Technol. Proc. 6:356-361. Ref. 1950. 66.9 Am35
- 51249 HODSOLL, F. Fertilizers in the sugar industry in the Philippines. Soil Sci. Soc. Philippines. J. 3:35-39. First Q. 1951. 56.9 So35
- 51250 HOPKINS, D. P. New ideas on soil fertility. I. World Crops 3:196-197. May 1951. 281.8 W892
- 51251 HORNE, E. C. Fertilizing and mulching roses. Green Thumb [Denver] 8(5):31-32. May 1951. 80 G82
- 51252 JACOB, A. Illustrierte düngerfibel. Radebeul, Neumann, 1950. 88 p. 57 J15L
- 51253 JORET, G. Etude comparée de sols en culture intensive. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron. 1:717-731. Nov./Dec. 1950. 14 F8499
- Sugar beet, wheat, and oat soils.
- 51254 JORGENSON, G. E. Foliage fertilization. Amer. Rose Annu. 36:78-82. 1951. 81 Am31A
- 51255 KAHAN, C. Trees: spray-fertilization of trees tested by California A. E. S. [Agricultural Experiment Station]. Com. Fert. 82(4):26, 28. Apr. 1951. 57.8 C73
- Oranges.
- 51256 KAMKE, H. W. Die anwendung von ammoniak-gaswasser in landwirtschaft und gartenbau. Deut. Landwirt. 2:64-66. Feb. 1951. 18 D4822
- 51257 KELLOGG, C. E. Soil considerations. Amer. Rose Annu. 36:57-65. 1951. 81 Am31A
- 51258 KLEMMME, A. W. New developments in fertilizer use. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:59-64. Apr. 1951. 281.8 Am32
- 51259 KOBERNUSS, E. C. Zur ursache und behebung der bodenmüdigkeit bei obstgehölzen. Kühn-Arch. 63:296-300. 1950. 105.8 H15Ku
- Boron deficiency.
- 51260 KRISHNAMURTHI, A. V., and IYER, K. V. G. Effect of soil conditions on the growth and the chemical composition of sugarcane. II—Status of available nitrogen and moisture. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2, sect. 1):108-118. Ref. 1951. 65.9 C766
- 51261 LANZA, F. Chemical fertilization of oriental tobacco. (In Italian.) Gior. di Agr. 61:115. Apr. 15, 1951. 16 ItIG
- Italy.

- 51262 LESPÉRANCE, R. La fertilisation des pâturages. *Terre de Chez Nous* 23(11):11. May 9, 1951. 7 T27
- 51263 LORENG, H. Düngungs- und kulturmethoden im gartenbau. Frankfurt, Lutzeyer, 1950. 137 p. (Friesdorfer Hefte, Heft 6) 57.07 L88
- 51264 LYON, A. V. Citrus soils; heavier types generally lack essential uniformity of texture to depth of 3 feet. *Citrus News* 27:37. Mar. 1951. 80 C494
- 51265 MCCOLLAM, M. E. Fertilizing fruit trees in the West. *West. Fruit Grower* 5(5):13-16. May 1951. 95.8 G762
- 51266 MCCOMB, A. L. Factores del suelo que más influyen en el incremento forestal. *Chapingo* 4:549-552. July 1950. 102 C36
- 51267 MCDADE, R., JR. Experiences with anhydrous ammonia in rice. *Rice J.* 54(4):14, 16. Apr. 1951. 59.8 R36
- 51268 MAGNITSKIĬ, K. P. Effect of magnesium fertilizers on light turfy-Podzolic soils. (In Russian.) *Sovet. Agron.* 8(2):35-47. Feb. 1951. 20 So84
Experiments with field crops.
- 51269 MALINKIN, N. P. Effect of fertilizers on increase in yields of legumes and grasses in the cotton grass-field rotations of Middle Asia. (In Russian.) *Sovet. Agron.* 8(2):25-34. Feb. 1951. 20 So84
Experiments with alfalfa chiefly.
- 51270 MAMISAO, J. P., POSADAS, S. S., and CAPINPIN, R. I. Lime and fertilizer on Aduyon clay loam for upland rice. *Soil Sci. Soc. Philippines. J.* 3:14-19. First Q. 1951. 56.9 So35
- 51271 MARYLAND. AGRICULTURAL EXPERIMENT STATION. One hundred questions and answers on liming land. Md. Agr. Expt. Sta. B. A-60, 32 p. Mar. 1951. 100 M36S
- 51272 MASMEJEAN, H. Fertilizers for Egyptian cotton. *Egypt. Cotton Gaz.* 12:39-42. Jan. 1951. 72.8 Eg9
- 51273 MATSUURA, S. Sehi no gijutsu [Technique of manuring]. Tokyo, Shiryosha, 1950. 261 p. 57 M423
- 51274 MAUME, L. Le contrôle biochimique de l'alimentation de la vigne: diagnostic foliaire. France. Min. de l'Agr. B. Tech. d'Inform. 56:75-78. Jan./Feb. 1951. 14 F844B
- 51275 MEHLICH, A., and REED, J. F. Hydrogen in soils in its relation to mineral content of plants. *Internat. Cong. Soil Sci. Trans.* 4(1):251-254. 1950. 56.09 In844
- 51276 MELLOR, J. L., JOHNSON, H. P. H., and GARDNER, R. Fertilizer placement for sugar beet production. *Amer. Soc. Sugar Beet Technol. Proc.* 6:428-435. 1950. 66.9 Am35
- 51277 MENDES, W. Pot tests for soil fertility diagnosis. (In Portuguese.) *Reunião Bras. de Ciên. do Solo. An.* (1947)1:233-248. 1950. 56.09 R31
- 51278 MÉTIVIER, S. Fumure en couverture. *Défense Agr. de la Beauce et du Perche* 48:173. Apr. 21, 1951. 14 D36
- 51279 MIEARS, R. J. 1950 rice fertilization experiments at Crowley. *Rice J.* 54(4):33-34. Apr. 1951. 59.8 R36
- 51280 MITSCHERLICH, E. A. Über die fehler bei ertragsversuchen. Berlin, Akademie-Verlag, 1950. 26 p. (Deutsche Akademie der Wissenschaften, Berlin. Vorträge und Schriften. Heft 37) 57.07 M69U
- 51281 MULLER-DELITZSCH. Zielsetzung und methoden bodenkundlicher untersuchungen für die praxis des weinbaues. *Deut. Landwirt.* 2:204-207. Apr. 1951. 18 D4822
- 51282 NELSON, R. T. Fertilizers plowed under versus soil application at or after planting. *Amer. Soc. Sugar Beet Technol. Proc.* 6:436-439. 1950. 66.9 Am35
- 51283 OLSEN, S. R., and others. Utilization of phosphorus from various fertilizer materials by sugar beets in Colorado. *Amer. Soc. Sugar Beet Technol. Proc.* 6:317-331. Ref. 1950. 66.9 Am35
R. Gardner, W. R. Schmehl, F. S. Watanabe, and C. O. Scott, joint authors.
- 51284 PARKER, E. R., and JONES, W. W. Effects of organic fertilizers. *Citrus Leaves* 31(5):10-11, 32. May 1951. 80 C492
- 51285 PARKS, R. Q. Fertilizer use and soil fertility research; USDA's annual report, via Commercial Fertilizer to the entire industry. *Com. Fert.* 82(5):20-24, 26, 29-34. May 1951. 57.8 C73
- 51286 PATIL, S. K. The soils of the factory estates in the Bombay Deccan. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.1):119-124. 1951. 65.9 C766
- 51287 PATTERSON, M. E. Trees: leaf-feeding tests in New York A. E. S. [Agricultural Experiment Station]. *Com. Fert.* 82(4):28, 30. Apr. 1951. 57.8 C73
Fruit.
- 51288 PEQUIGNOT, R. La motorisation et la fertilisation des terres. *Agriculture [Paris]* 15:63, 65-67. Mar. 1951. 14 Ag823
- 51289 PERSI, R. Our demonstration fields. (In Italian.) *Campagna* 50:21-22. Feb. 15/28, 1951. 16 C152
Wheat fertilizers.
- 51290 PINEDA, C. C. Farmers and fertilizers. *Soil Sci. Soc. Philippines. J.* 3:49-52. First Q. 1951. 56.9 So35
- 51291 POLSTER, H. Kritische bemerkungen zu Arlands "Kurzfristige vorprüfung: von kulturmassnahmen nach einem neuen verfahren." *Deut. Landwirt.* 2:96-99. Feb. 1951. 18 D4822
Mitscherlich fertilizing.
- 51292 POTTS, R. C. The influence of certain fertilizer treatments on selected species of warm season grasses grown in pure stands. *Nebr. U. Abs. Doct. Diss.* 1950:13-18. 241.8 N28
- 51293 PRAMANIK, B. N., and GUPTA, A. K. S. Effect of continuous application of nitrogenous, phosphatic and potassic fertilisers on the composition of soil. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.1):92-97. 1951. 65.9 C766
- 51294 QUATTROCCHI, G. A method of studying the surface soil and subsoil of wooded areas. (In Italian.) *World Forestry Cong. Proc.* 3(3):153-159. 1949, pub. 1950. 99.9 C76912A
- 51295 RAO, N. V. M., and NARASIMHAM, R. L. Studies on the nitrogen fertilisation of sugarcane. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.1):64-73. Ref. 1951. 65.9 C766
- 51296 RIETBERG, H. Soil structure in relation to beet growth. *Amer. Soc. Sugar Beet Technol. Proc.* 6:139-143. 1950. 66.9 Am35
- 51297 ROBB, M. J. Fertilizing grassland. *Milk Indus.* 31(10):59-61. Apr. 1951. 44.8 M593
- 51298 ROBERTS, A. N., and others. Croft lilies; effects of fertilizers on growth, bud count and leaf scorch. *Florists' Rev.* 108(2788):25-27. May 3, 1951. 80 W41
R. E. Stephenson, S. E. Wadsworth, F. P. McWhorter, and N. W. Stuart, joint authors.
- 51299 ROBERTSON, L. S. Plant tissue testing as a guide to side-dressing sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* 6:348-352. 1950. 66.9 Am35
- 51300 ROLET, P. Avant le défoncement, le repos du sol. France. Min. de l'Agr. B. Tech. d'Inform. 56:37-41. Jan./Feb. 1951. 14 F844B
In grape culture.
- 51301 ROSSI, U. Know how to fertilize. (In Italian.) *Campagnolo* 6:18-19. Mar. 1951. 16 C15
- 51302 ROY, R. S., and CHOUDHURY, B. Effect of fertilizers on the yield of cauliflower (*Brassica oleracea*). *Indian J. Hort.* 7(3/4):1-6. Ref. Sept./Dec. 1950. 80 In2
- 51303 ROZANOV, A. N. Sierozem soils and grass-field crop rotations. (In Russian.) *Pochvovedenie* 1951:86-100. Ref. Feb. 1951. 57.8 P34
Chiefly on effect of grass and legume mixtures.
- 51304 RUSSELL, SIR J. What we owe to Rothamsted. I. Artificial fertilizers. *Westralian Farmers Co-op Gaz.* 20:73-76. Feb. 1951. 280.28 W522
- 51305 SAUCHELLI, V. Phosphates in soils and fertilizers for truck and canning crops. *Com. Fert.* 82(3):36-40. Mar. 1951. 57.8 C73
- 51306 SCARLETT, R. L. Green manuring and fertility. *Gard. Chron.* 129:100. Mar. 31, 1951. 80 G162
- 51307 SCHUTTER, B. DE. Fertilizing of lettuce under glass. (In Flemish.) *Tuinbouwberichten* 15:35-36. Mar. 15, 1951. 80 T817
- 51308 SEARS, P. D. Soil fertility and pasture growth. *Brit. Grassland Soc. J.* 5:267-280. Dec. 1950. 60.19 B773
- 51309 SELKE, W. Die kalkung unserer kulturböden. *Deut. Landwirt.* 2:114-117. Mar. 1951. 18 D4822
- 51310 SELS, L. Le probleme de la fumure dans la culture des fraises. *Annu. Agr. et Hort.* (1949/50)2:118-126. 1950. 13 An7
- 51311 SMITH, N. G. Fertility-building for the amateur gardener. *Mother Earth* 5:51-53. Winter 1950/51. 56.8 M85
- 51312 SOMOZA, A. L. El suelo y sus relaciones con los cultivos. *Soc. Rur. Argentina. An.* 85:8-9, 13. Jan. 1951. 9 So1
- 51313 STANBERRY, C. O., and CLORE, W. J. Improved Bing quality. How do nitrogen and phosphorous fertilizers affect the composition and keeping quality of Bing cherries? *West. Fruit Grower* 5(5):33. May 1951. 95.8 G762

- 51314 STANFORD, G., DUMENIL, L., and MELDRUM, H. R. Top-dress your legume meadow. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:139-140. Mar.1951. 275.28 Io94
- 51315 STARK, F. C. Fertilizer recommendations for tomatoes in Maryland. Md. Agr. Col. Ext. Fact Sheet 2, 2 p. Feb.1951. 275.29 M36Fa
- 51316 STEPHENSON, R. E. Nitrogen in the orchard fertilizer program. Nowest. Nut Bowl 2(8):3,6. Feb.1951. 94.68 N81
- 51317 STIRLING, W. F. Cauliflowers need a rich soil to stop buttoning. Grower [London] 35:864-865. Apr.28, 1951. 286.83 M34
- 51318 TABUCHI, T., and others. Effect of ammonium nitrate on the rice plants. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p.82-89. Shidzuoka, 1950. 107.6 Sh6Co
- I. Yamane, K. Katumata, and T. Kawamori, joint authors
- 51319 THERIOT, H. Rice and anhydrous ammonia. Rice J. 54(4):18,20. Apr.1951. 59.8 R36
- 51320 THORKELOSON, G. F. Commercial nitrogen adds profits on corn. Hormel Farmer 14(7):8. Mar.15, 1951. 49 H782
- 51321 THORNE, D. W. pH and its relation to soil fertility. Farm & Home Sci. [Utah Sta.] 12:12. Mar.1951. 100 Ut1F
- 51322 TISDALE, S. L. You might save \$5 a ton on tobacco fertilizer. Prog. Farmer, Carolinas-Va. Ed. 66 (4):18,126. Apr.1951. 6 P945
- Use of an all-mineral fertilizer.
- 51323 TULIN, A. F. Dosages for mineral fertilizer application to soils in relation to their local source of acidification. (In Russian.) Pochvovedenie 1951:30-42. Ref. Jan.1951. 57.8 P34
- 51324 TOLMAN, B. Time and method of fertilizer application. Amer. Soc. Sugar Beet Technol. Proc. 6: 422-427. 1950. 66.9 Am35
- 51325 TROGDON, W. O. The effect of acid and base forming nitrogenous fertilizers on certain soil factors affecting soil productivity. Ohio. State U. Abs. Doct. Diss. 59:409-416. 1950. 241.8 Oh3
- Experiment with corn.
- 51326 TRUCCO, J. A. Elección del suelo para la siembra de cebada cervicera. Soc. Rur. Argentina. An. 84(12):27-28. Dec.1950. 9 So1
- 51327 TRUOG, E. The effect of chemical fertilizers on soils, crop quality and yields. Amer. Plant Food Council. J. 5:6-9. Jan./Mar.1951. 57.8 P692
- 51328 TUSA, G. The basket-fertilizer spreader. (In Italian.) Terra e Sole 104:167. Apr.1951. 16 T273
- 51329 U. S. SOIL CONSERVATION SERV. NORTHERN GREAT PLAINS REGION. Grass saves rainfall, by F. L. Duley. Lincoln? 1950. 5 p. 1.9607 G764
- Effect of cover on intake of water.
- 51330 VERDEYEN, J. The problem of manuring pastures. In Conference on Grassland Improvement, Paris, 1950. Farm advisory methods for grassland improvement. Proceedings, p.94-110. Paris, Organ. European Econ. Co-op. 1950. 60.19 C762
- Includes discussion.
- 51331 VIGUERIE, P. DE. Le chaulage des cultures en cours d'assolement. Tarn-et-Garonne Agr. 14:47-48. (To be cont.) Mar.1951. 14 T17
- 51332 VITTUM, M. T., and CAREW, J. Fertilizers for vegetable canning crops. Farm Res. [N. Y. State Sta.] 17(2):14. Apr.1951. 100 N48A
- Similar title in Canning Trade 73(44):7. May 21, 1951. 286.83 T67
- 51333 VOLKOVSKY, N. Organic manure in new smallholder's settlements. (In Hebrew.) Hassadeh 31: 360. Apr.1951. 26 H27
- 51334 WALLACE, T. The mineral nutrition of crops with special reference to fruit crops. 1. World Crops 3:189-192. May 1951. 281.8 W892
- 51335 WELCH, C. D., and NELSON, W. L. Increasing cotton yields in North Carolina. Better Crops Plant Food 35(3):11-14,43-44. Mar.1951. 6 B46
- Soil fertility
- 51336 WHALLON, A. P. Discovering a new land. Org. Farmer 2(8):28-31. Mar.1951. 57.8 Or3
- Muck soil.
- 51337 WILLIAMS, D. H. The key to soil fertility. Amer. Rose Annu. 36:71-77. 1951. 81 Am31A
- 51339 BAYER, G. Bodenbedeckung als mittel zur steigerung und sicherung der ernteerträge. Deut. Landwirt. 2:14-17. Jan.1951. 18 D4822
- 51340 BRASE, O. Bestellungs- und pflegemassnahmen auf dem acker im frühjahr. Landwirtbl. Weser-Ems 98:296-297. Apr.5, 1951. 18 L2345
- 51341 BRASNETT, N. V. Mulching in tropical forestry. Empire Forestry Rev. 30:62-63. Mar.1951. 99.8 Em72
- 51342 FARRINGTON, E. I. Mulching makes gardening easy. Horticulture 29:183,188,191. May 1951. 80 H787
- 51343 HARLEY, C. P., MOON, H. H., and REGEIMBAL, L. O. Value of orchard mulching from the nutritional aspect. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:113-114. 1950. 81 C91
- 51344 JENKINS, H. Wood chips on the land. Better Farming Better Living 1951:11,13. Spring 1951. 6 B464
- 51345 LOEWEL, E. L. Die frage der bodenbearbeitung und unterkultur unter den obstbäumen. Obstbauversuchsring. Mitt. 6:2-3. Jan.1951. 85 J76
- 51346 MENIS, Y. Harrowing of potatoes. (In Hebrew.) Hassadeh 31:270-271. Mar.1951. 26 H27
- 51347 NAIR, M. S. Effects of tillage on the physical properties of the soil and its relation to growth and yield of corn. Ohio. State U. Abs. Doct. Diss. 60:229-235. Spring Q. 1948/49. 241.8 Oh3
- 51348 NASH, D. W. Dry-land farmer [Alberta]. Country Guide 70(3):10,33. Mar.1951. 7 G76
- 51349 NEIGER, Y. The ploughing problem in the Negev. (In Hebrew.) Hassadeh 31:216. Feb.1951. 26 H27
- 51350 RIGON, P. Terrenos cultivados con retención de aguas transitorias y sus resultados. Soc. Rur. Argentina. An. 85:21-22. Jan.1951. 9 So1
- 51351 SPARKS, A. Mulch makes a master farmer. Org. Farmer 2(10):14-17. May 1951. 57.8 Or3
- 51352 STADELMANN, Fehler bei der frühjahrsbestellung. Neue Mitt. f. die Landwirt. 6:134. Mar.3, 1951. 18 N39
- 51353 STEWART, J. A. Depth of plowing in relation to soil life. Canad. Countryman 40(4):3-5. Ref. Feb.24, 1951. 7 C833
- 51354 TEBB, C. P. Preparation of soil for sowing greenfeed and grass. Lincoln Col. Rur. Educ. B. 6:22-26. Mar.1951. 109 C162
- 51355 THOMANN, Sorgfältige saatenpflege. Württemb. Wchnbl. f. Landwirt. 118:320-321. Apr.21, 1951. 18 W96
- Tillage.
- Drainage, Irrigation, Water Supply, and Flood Control
- 51356 AINSWORTH, C. M. International irrigation developments along Rio Grande started. Civ. Engin. 21: 268-271. May 1951. 290.8 C49
- 51357 ALI-ZADE, M. A. Tea irrigation under conditions of Lenkoran-Astarinsk zone in Azerbaidzhan SSR. (In Russian.) Vsesofuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 15(12):30-32. 1950. 20 Ak1
- 51358 ALVAREZ-ESTEBAN, J. En la actualidad se realizan obras de regadío en Segovia que afectarán a 790 hectáreas. Aliment. Nac. 11(184):8-10,16. Jan.25, 1951. 389.8 AL42
- 51359 AMARAL, E. Hygroscopicity of soils and the interval between irrigations. (In Portuguese.) Reunião Bras. de Ciên. do Solo. An. (1947)1:561-566. 1950. 56.09 R31
- 51360 APPLETON, J. M., and WYND, F. L. A preliminary study of the application of the percentage yield concept to the response of forage crops to irrigation water. Sci. Agr. 31:139-147. Apr.1951. 7 Sci2
- 51361 BAUKNIGHT, W. Elkins flood control project. Mil. Engin. 43:203-204. May/June 1951. 290.8 Un3
- 51362 BISSET, D. R. Land reclamation in Orkney. III. Scot. Agr. 30:212-215. Spring 1951. 10 Sco82So
- 51363 BOLLMANN, H. Auswertung und nutzanwendung des grundwasserbeobachtungsdienstes im lande Sachsen-Anhalt. Wasser u. Boden 2:234-236. Nov.1950. 56.8 W28
- 51364 BOND, M. C., and VROMAN, H. B. Relationship of irrigation and other practices to yields of potatoes, eastern Long Island, 1949. N. Y. Agr. Col. A. E. 722, rev., 18 p. July 1950. 281.9 C81
- 51365 BOUWMAN, L. H. Irrigation works and problems of overhead. (In Dutch.) Fruitteelt 41:158-160. Mar.1, 1951. 86 N28
- 51366 BURGESS, P. S. A water policy for the American people. Prog. Agr. Ariz. 3:2,12. Apr./June 1951. 6 P9452
- 51367 BUSTAMANTE, J. C. Falcon Dam stimulates irrigation in Mexico. Civ. Engin. 21:272-273. May 1951. 290.8 C49

Soil Tilth and Tillage

- 51338 BARMINGTON, R. D. Physical factors of the soil affecting beet seedling emergence. Amer. Soc. Sugar Beet Technol. Proc. 6:228-233. 1950. 66.9 Am35

- 51368 CAMERON, A. E. Spray irrigation; need to base capacity of installations on hot weather requirements of mature trees. *Citrus News* 27:45. Mar. 1951. 80 C494
- 51369 CAPULER, B. Summaries and problems of irrigated crop rotation. (In Hebrew.) *Hassadeh* 31:311-313. Apr. 1951. 26 H27
- 51370 CASTRO Y RAMOS, R. DE. Los suelos y las aguas de riego de la zona tabacalera granadina. Spain. *Inst. Nac. de Invest. Agron. B.* 10:369-396. Ref. Dec. 1950. 105.6 Sp14
English summary.
- 51371 CAVANILLAS RODRIGUEZ, L., and VALIAS GOMEZ, E. Avance de las experiencias sobre el riego de tomate tardío. Spain. *Inst. Nac. de Invest. Agron. B.* 10:477-499. Dec. 1950. 105.6 Sp14
English summary.
- 51372 CLARK, N. M. Water is their life. *Country Gent.* 121(5):32-33, 126-129. May 1951. 6 C833
Water conservation and resources in New Mexico's Pecos Valley.
- 51373 CLYDE, G. D. What determines the value of water? *J. Soil & Water Conserv.* 6:87-91, 106, 110. Apr. 1951. 56.8 J822
- 51374 DARLOT, A. Utilisation de siphons pour la distribution de l'eau d'irrigation. *Terre Marocaine* 25:122-126. Apr. 1951. 24 T44
- 51375 DENKS. Die entwässerung von niederungsflächen in wasserwirtschaftlich ungünstigen lagen. *Wasser u. Boden* 2:268-269. Dec. 1950. 56.8 W28
- 51376 DOUGLAS, L. H. The development of public policies in water use in the West, with special emphasis on the Missouri Basin. *Nebr. U. Abs. Doct. Diss.* 1950:137-145. 241.8 N28
- 51377 ELENEV, A. New machines for digging the temporary irrigation system. (In Russian.) *Mashinno-Traktornaya Sta.* 10(11):22-27. Nov. 1950. 58.8 M11
- 51378 ETTINGER, J. Summary of experiments in grain growing under irrigation. (In Hebrew.) *Hassadeh* 31:211-213. Feb. 1951. 26 H27
- 51379 EVDOKIMOV, I. Machines and devices for field leveling, digging and flattening of temporary irrigation canals. (In Russian.) *Tekhsociety MTS* 11(45/46):1-11. 1950. 58.8 T233
- 51380 FERGUSON, F. L. Indications and benefits of farm drainage. *Farmer's Mag.* 48(3):50-52. Mar. 1951. 7 C165
- 51381 FREMER. Erfahrungen mit raupenbaggern bei arbeiten für die entwässerung und landgewinnung. *Wasser u. Boden* 2:144-145. July 1950. 56.8 W28
- 51382 FRY, H. S. Manageable moisture for dry land. *Country Guide* 1951:12, 28-29. Apr. 1951. 7 G76
Irrigation in western Canada.
- 51383 GERZON, M. Conclusions regarding movable sprinklers. (In Hebrew.) *Hassadeh* 31:295-296. Mar. 1951. 26 H27
- 51384 GLERUM, J. C. Demonstration with ditch cleaning equipment at Middelstum. (In Dutch.) *Landbode* 4(50):24. Dec. 23, 1950. 12 L234
- 51385 HAISE, H. R. Flow pattern studies in irrigated coarse textured soils. *Ohio. State U. Abs. Doct. Diss.* 59:103-110. 1950. 241.8 Oh3
- 51386 HALEVI, B. Experiment in the growing of irrigated maize. (In Hebrew.) *Hassadeh* 31:264-265. Mar. 1951. 26 H27
- 51387 HARGREAVES, G. Datos básicos para computar las necesidades en materia de agua de riego. *Agronomia [Lima]* 15(64):55-60. Dec. 1950. 9.8 Ag83
- 51388 HEIMPEL, L. G. Water is important. *Family Herald & Wk. Star* 82(14):3, 16. Apr. 5, 1951. 7 F21.
Drainage and water conservation in Victoria County, Ontario.
- 51389 HIBON, J. Les conséquences de l'excès d'eau et les moyens d'y remédier dans les orangeries. *Fruits et Primeurs de l'Afrique du Nord* 21:115-116. Apr. 1951. 80 F9482
- 51390 HILGEMAN, R. H. Effects of irrigation on Valencia oranges. *Prog. Agr. Ariz.* 3:3, 11. Apr./June 1951. 6 P9452
- 51391 HOLTSCHMIDT, W. Wasserhaushalt. *Wasser u. Boden* 2:156-159. Aug. 1950. 56.8 W23
- 51392 IRAQ to-day. III. Irrigation is the key to Iraq's agriculture. *Gt. Brit. & East* 67(1816):22-25. Apr. 1951. 286.8 N27
- 51393 ISAKOVSKI, V. Ditch digger built on base of horse drawn B-9 potato-digger. (In Russian.) *Tekhsociety MTS* 11(45/46):13-16. 1950. 58.8 T233
Irrigation equipment.
- 51394 ISIDORO, G. Technical and economic aspects of certain types of irrigation in Tuscany. (In Italian.) *Agr. Tosc.* 6:104-108. (To be cont.) Mar. 1951. 16 Ag827
- 51395 ISRAELEN, O. W., PETERSON, D. F., JR., and REEVE, R. C. Effectiveness of gravity drains and experimental pumping for drainage, Delta Area, Utah. *Utah. Agr. Expt. Sta. B.* 345, 64 p. Feb. 1950. 100 U1
U. S. Regional Salinity and Rubidoux Laboratories co-operating.
- 51396 KENDALL, R. G. Improving the mole drainer; a stable roof is the first essential of good work. *Power Farmer* 6(4):37-38. Apr. 1951. 58.8 P872
- 51397 KING, A. S. Soil management practices with sprinkler irrigation. *Oreg. State Hort. Soc. Proc.* 65:34-36. 1950. 81 Or32
- 51398 KOSTIAKOV, A. N. The Great Plan for transforming nature and problems of hydro-meliorative science. (In Russian.) *Vsesoyuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 15(12):14-24. 1950. 20 Ak1
Irrigation and water supply chiefly.
- 51399 KOTOV, V. F., and KISSA, O. N. Machines for improvement work in the new system of irrigation. (In Russian.) *Sel'khoz mashina* 1951:5-7. Jan. 1951. 58.8 Se42
- 51400 KUFFELER, V. J. P. DE. B. VAN. Drainage of the southern part of IJsselmeer. III. (In Dutch.) *Drents Landbbl.* 32(1):5. Jan. 6, 1951. 12 D812
- 51401 KURGANSKI, A. G., and BAZILEVICH, N. I. In regard to irrigation and water supply of near Caspian lowlands. (In Russian.) *Pochvovedenie* 1951:6-15. Ref. Jan. 1951. 57.8 P34
- 51402 LINCKELMANN, K. Überblick über die geschichte der wasser- und bodenverbände. *Wasser u. Boden* 2:139-144. July 1950. 56.8 W28
- 51403 MEEREBOER, P. J. Drainage and washing out. (In Dutch.) *Groenten en Fruit* 6:637. Mar. 8, 1951. 80 G89
- 51404 MELLO, F. E. DE S. Agrological study of the São Gonçalo public irrigation reservoir in Paraíba. (In Portuguese.) *Reunião Bras. de Ciên. do Solo. An.* (1947)1:288-391. 1950. 56.09 R31
- 51405 METZKES, E. Herstellung eines entwässerungskanal und eines deiches im spülverfahren. *Wasser u. Boden* 3:19-20. Jan./Feb. 1951. 56.8 W28
- 51406 MILLER, C. K. Doomed [Wyoming] land re-deemed; co-operative drainage project stops creeping paralysis of seepage. *Mont. Farmer-Stockman* 38(12):20, 22. Feb. 15, 1951. 6 M764
- 51407 MILNER, R. How to drain flat land. *Successful Farming* 49(5):66, 68-69. May 1951. 6 Su12
- 51408 MORGAN, A. Practical irrigation. *Queensland Prod.* 32(27):4-5. Jan. 3, 1951. 23 Q35
- 51409 MUYZENBERG, E. W. B. VAN DEN, and WIJK, C. J. VAN. Irrigation in fruit culture. (In Dutch.) *Fruitteelt* 41:154-155. Mar. 1, 1951. 86 N28
- 51410 PARMETER, W. N., and WINKLER, F. C. Belle Fourche vs. crayfish; today's battle against canal saboteurs in South Dakota. *Reclam. Era* 37:73-75. Apr. 1951. 156.84 R24
- 51411 PENN, M. B. Electricity makes flower production profitable. *Farm Electrification* 5(2):5-6. Mar./Apr. 1951. 335.8 F224
Chiefly on irrigation equipment.
- 51412 PURDON, B. S. This story tells how the floods were banished from the Muskingum River. *Forest & Outdoors* 47(4):12-13, 17. Apr. 1951. 99.8 C16
- 51413 RAMSAUER, B. Gewinnung von kulturboden durch ent- und bewässerung. *Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahr- u. Adressb.* 1949:191-194. 1950. 19 Au72J
- 51414 RASMUSSEN, W. W. Drainage problems follow irrigation. *Farm & Home Sci. [Utah Sta.]* 12:14-17. Mar. 1951. 100 U1F
- 51415 REGE, R. D., and SANT, U. A. The value of rain water in sugarcane culture. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2, sect. 1):20-22. 1951. 65.9 C766
- 51416 REICH, W. Cotton unlimited; but what of the water limit? *Land* 10:49-53. Spring 1951. 279.8 L22
Irrigation and water supply in California.
- 51417 RIAZ, A. G., and KHAN, M. H. The problem of flood control in west Pakistan. *Pakistan J. Forestry* 1:31-36. Jan. 1951. 99.8 P17
- 51418 RICHARDS, L. An agricultural empire is born; there may be a pot of gold waiting new farmers in the million-acre Columbia Basin irrigation project, where the first water flows from Grand Coulee this month—but it's not at the foot of any rainbow, and it comes only in family-sized pots. *Country Gent.* 121(5):34, 113-118. May 1951. 6 C833

- 51419 RUSSELL, M. The best new thing in agriculture. Colo. Rancher & Buyer 5(7):1,12,34-35. Apr.14, 1951. 6 C714
Irrigated pasture.
- 51420 SAMSONOVA, N. Mechanization of construction and leveling of temporary irrigation channels. (In Russian.) Mashinno-Traktornaya Sta. 10(11):12-21. Nov. 1950. 58.8 M11
- 51421 SAVCHENKO-BEL'SKII, A. Blackening [with ashes] snow with the aid of airplanes for the retention of thawing waters. (In Russian.) Sovet. Agron. 8(2):76-79. Feb.1951. 20 So84
- 51422 SCHONNOPP, G. Der derzeitige stand und die möglichkeiten der beregnung. Wasser u. Boden 2:159-162. Aug.1950. 56.8 W28
- 51423 SCHONNOPP, G. Erfahrungen und probleme der beregnung. Landtechnik 6:119-122. Feb.28,1951. 58.8 L235
- 51424 SCHULZ, W. G. What price irrigation? West. Dairy J. 7(6):14,25-26. Apr.1,1951. 44.8 W524
- 51425 SCHWAB, G. O., and KIRKHAM, D. The effect of circular perforations on flow into subsurface drain tubes. II. Experiments and results. Agr. Engin. 32:270-274. May 1951. 58.8 Ag83
- 51426 SEARLE, K. D. Better irrigation ups production. Utah Farmer 71:311. Apr.19,1951. 6 D45
- 51427 SEGEBERG, H. Der gegenwärtige stand des problems der moorsackung. Wasser u. Boden 3:28-33. Jan./Feb.1951. 56.8 W28
Germany.
- 51428 SMIT, A. The cost of drainage. (In Dutch.) Fruitteelt 41:156-157. Mar.1,1951. 86 N28
- 51429 STEELANT, L. Le drainage. Annu. Agr. et Hort. (1949/50)2:194-199. 1950. 13 An7
Belgium.
- 51430 STEIN, C. Neue gesichtspunkte bei der landwirtschaftlichen ent- und bewässerung. Wasser u. Boden 2:209-212. Oct.1950. 56.8 W28
Germany.
- 51431 SWART, A. G. Good drainage one of the fundamentals for efficient farm management. (In Dutch.) Landboude 5(15):1. Apr.14,1951. 12 L234
Netherlands.
- 51432 THURMOND, R. V. Irrigation and care of equipment. Sowest. Crop & Stock 5(3):12,67. Mar.1951. 6 So8942
- 51433 TROW-SMITH, R. Those Essex marshes; production in sixty square miles of potentially fertile land is handicapped by too much water, too few roads. Farmer & Stock-Breeder 65(3208):101-102. Apr.17,1951. 10 F228
- 51434 UHDEN, O. Bewässerungs- und düngungsver-suche bei der kanalisierung der Mittelweser. Wasser u. Boden 2:201-207. Oct.1950. 56.8 W28
- 51435 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. International co-operation on water control and utilization. New York, 1950. 4 p. (United Nations. [Doc.] E/1894) 292 Un39861
- 51436 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR ASIA AND THE FAR EAST. BUR. OF FLOOD CONTROL. Silt problem. New York, 1950. 55 p. (United Nations. [Doc.] E/CN.11/Flood/2) 56.7 Un38
- 51437 U. S. BUR. OF RECLAMATION. Working water for California's Central Valley. Washington, 1951? 19 p. 156.85 W892
- 51438 U. S. SOIL CONSERVATION SERV. SOUTH-WEST REGION. Irrigated areas in Arizona. Albuquerque, 1950. 8 p. 1.9608 Ir722
- 51439 VIJFINKEL, L. Drainage. (In Dutch.) Volks-tuin 34:31. Mar.1951. 80 V88
- 51440 VUKOLOV, A. Repair of pumping equipment of stations for machine irrigation. (In Russian.) Mashinno-Traktornaya Sta. 10(11):60-62. Nov.1950. 58.8 M11
- 51441 WEBER, A. Wildbach- und lawinenverbauung. Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahr- u. Adressb. 1949:195-197. 1950. 19 Au72J
- 51442 WELLS, J. V. B., and WILLIAMS, A. H. The water situation in the United States. J. Soil & Water Conserv. 6:78-86. Apr.1951. 56.8 J822
- 51443 WENHOLT, K. Deichbauten in Ostfriesland. Wasser u. Boden 3:16-18. Jan./Feb.1951. 56.8 W28
- 51444 WOJTA, A. J., TANNER, C. B., and MUCKEN-HIRN, R. J. Terrace drainage of Almena soils in central Wisconsin. J. Soil & Water Conserv. 6:70-74,98,100. Apr.1951. 56.8 J822
- 51445 WOOD, H. W., JR., and SHORT, J. A. Water resources. In Gist, N. P., ed. Missouri, its resources, people, and institutions, p.58-78. Columbia, 1950. 280.047 G44
- 51446 WUSTHOFF, A. Die bewirtschaftung unterir-dischen wassers durch wasser- und bodenverbände. Wasser u. Boden 2:238-239. Nov.1950. 56.8 W28
- 51447 ZORIANO. Fertirrigation. (In Hebrew.) Hassadeh 31:302-303. Mar.1951. 26 H27

Erosion and Erosion Control

- 51448 AUGHANBAUGH, J. E. Forest, soil and water conservation. Pa. Forests & Waters 3:26-31,45. Mar./Apr.1951. 99.8 P38
- 51449 BASU, J. K. Soil conservation—a vital need of the nation. (Abs.) Cur. Sci. 20:63. Mar.1951. 475 Sci23
India.
- 51450 BENNETT, H. H. Press and radio join forces in support of contest. Soil Conserv. 16:198,210. Apr. 1951. 1.6 So38
Awards for outstanding soil and water conservation accomplishments in Colorado.
- 51451 BHIMAYYA, C. P. Soil erosion on the plains. [of India]—a problem not yet fully appreciated. [Planters' Chron. 46(4):95-101. Feb.15,1951. 22 P693
- 51452 BROWN, C. B. Sediment steals water storage. J. Soil & Water Conserv. 6:92-98. Apr.1951. 56.8 J822
- 51453 BUTLER, E. Water works hard on Spur Station. Prog. Farmer, Tex. Ed. 66(4):19. Apr.1951. 6 T311
Soil and water conservation work at the Texas Experiment Station at Spur.
- 51454 COOK, J. Getting ready to take over. Soil Conserv. 16:201. Apr.1951. 1.6 So38
Soil and water conservation in Cayuga County, N. Y., due to the efforts of members of the newly organized FFA-4H Soil Conservation Clubs.
- 51455 CORDDRY, M. U. Country teacher. Land 10: 76-78. Spring 1951. 279.8 L22
Soil conservation education.
- 51456 CORDUKES, W. E., and others. Water erosion of soil. Sci. Agr. 31:152-161. Apr.1951. 7 Sci2
R. C. Turner, P. O. Ripley, and H. J. Atkinson, joint authors.
- 51457 CRIDER, F. J. New plants for the new agriculture. Soil Conserv. 16:204-209. Apr.1951. 1.6 So38
Chiefly grasses and legumes in soil conservation.
- 51458 ELLENDER, A. J. The [Soil Conservation] Districts and national defense. Soil Conserv. 16:198,210. 212. Apr.1951. 1.6 So38
- 51459 EWING, J. T. Squandering capital. Country Guide 70(3):12,51-52. Mar.1951. 7 G76
Soil erosion in Saskatchewan.
- 51460 FITZGERALD-LEE, G. Basutoland's success with soil conservation. New Commonwealth 21:520-523. Apr.1951. 280.8 C88
- 51461 FOX, SIR C. Land erosion. Westralian Farmers Co-op Gaz. 20(388):11,13-17. Jan.1951. 280.28 W522
- 51462 GORRIE, R. M. Patana fires in estates and water catchments. Ceylon. Tea Res. Inst. Tea Q. 21(2/3):45-46. June/Sept.1950. 68.18 C33
Soil erosion from grassland burning in Ceylon.
- 51463 GURVICH, I. IA. On the second anniversary of the Stalin Plan to change nature. (In Russian.) Vsesoluzn Geog. Obshch. Izv. 82:569-576. Nov./Dec.1950. 511 L546
- 51464 HOCKENSMITH, R. D. Bases científicas para la conservación del suelo en las Américas. Asoc. Gen. de Agr. B. 290:2-3. Mar.15,1951. 8 As52
- 51465 INGHAM, A. G. Farming the lazy way. Land 10:74-75. Spring 1951. 279.8 L22
Soil conservation.
- 51466 KOVDA, V. A. Stalin Plan for changing the nature of steppes and deserts. (In Russian.) Akad. Nauk SSSR. Vest. 21:49-65. Jan.1951. 511 Ak14V
- 51467 LOPEZ, F. The good earth. Soil Sci. Soc. Philippines. J. 3:11-13. First Q.1951. 56.9 So35
Soil conservation.
- 51468 MACDONALD, E. The importance of soils to the maintenance of life. Milk Bd. J. 2:66-67. Feb.15, 1951. 44.8 M5934
Need for soil conservation in Australia.
- 51469 NATIONAL ASSOCIATION OF SOIL CONSER-VATION DISTRICTS. The why, what and how of soil con-servation districts. League City, Tex., 1951. 11 p. 56.7 N213
- 51470 OSBORN, B. Bomb shelters for the land! Soil Conserv. 16:195-197,211. Apr.1951. 1.6 So38
Grass cover in raindrop erosion control.
- 51471 PUTMAN, C. A. Our land, our spirit. New York Natl. Assoc. Mfr. U. S. of Amer., 1951. 13 p. 279.12 P98
Soil conservation.

- 51472 REAM, H. W. AND MORRIS, G. M. Crowds are made up of clusters. *Soil Conserv.* 16:199-200,212-213. Apr.1951. 1.6 So3S
- Neighbor groups in soil conservation work.
- 51473 SATO, T. Tochi kairyo yosetsu [Replacing of top soil]. Tokyo, Azumi Shobo, 1950. 190 p. 56.7 Sa2
- 51474 SAUSMAN, V. A. N. Some soil conservation aspects of tea planting. *Planters' Chron.* 46:70-77. Feb.1,1951. 22 P693
- 51475 SCHWAB, G. O., FREVERT, R. K., and BARNES, K. K. Manual of soil and water conservation engineering. Dubuque, Iowa, Brown, 1950. 222 p. 56.7 Sch92
- 51476 SHUHART, D. V. Educating south China. *Org. Farmer* 2(10):18-19,45. May 1951. 57.8 Or3
- Soil conservation.
- 51477 STEVENSON, V. W. Soil erosion is a problem in Cornwall. *Grower* [London] 35:868-869. Apr.28,1951. 286.83 M34
- 51478 U. S. FEDERAL INTER-AGENCY RIVER BASIN COMMITTEE. The effects of land management upon runoff, erosion and related factors; a report by an Inter-Agency Group. Washington, 1950. 31 p. 173 In897E
- 51479 U. S. SOIL CONSERVATION SERV. Instructions concerning the evaluation of reservoir sedimentation for flood control surveys. Washington, 1951. 4 p. 1.96 R31Inc
- 51480 U. S. SOIL CONSERVATION SERV. The need for conservation education, by K. W. Chalmers. Ft. Collins, 1950. 7 p. 1.96 N28
- 51481 VAN VUREN, J. P. J. Wind erosion. (In Afrikaans.) *Landbouweekblad* 32(1656):21,23. Apr.11,1951. 24 L232
- Union of South Africa.
- 51482 WALSH, S. Straw mats for erosion control. Ohio. State U. Short Course Highway Devlpmt. 9:76-80. 1950. 288.9 Oh3
- 51483 WHITAKER, J. R., and ACKERMAN, E. A. American resources, their management and conservation. New York, Harcourt, Brace, 1951. 497 p. 279.12 W58
- Includes soils, grasslands, and forests.
- 51484 WILLIS, D. Save the soil and save Texas. *Amer. Forests* 57(5):6-9. May 1951. 99.8 F762
- 51485 ZINGG, A. W., and WOODRUFF, N. P. Calibration of a portable wind tunnel for the simple determination of roughness and drag on field surfaces. *Agron. J.* 43:191-193. Apr.1951. 4 Am34P
- 51486 ZINGG, A. W. A portable wind tunnel and dust collector developed to evaluate the erodibility of field surfaces. *Agron. J.* 43:189-191. Apr.1951. 4 Am34P

Sanitation

- 51487 CHRISTIE, J. R., and PERRY, V. G. Testing the efficacy of chemicals for killing soil-inhabiting nematodes under field conditions. *Helminthol. Soc. Wash. Proc.* 18:9-13. Jan.1951. 436.9 H36
- 51488 KASTING, R., and WOODWARD, J. C. Persistence and toxicity of parathion when added to the soil. *Sci. Agr.* 31:133-138. Apr.1951. 7 Sci2
- Toxicity to orchard cover crops and soil microorganisms.
- 51489 KIPS, R. H. La desinfection du sol. *Annu. Agr. et Hort.* (1949/50)2:208-213. 1950. 13 An7
- 51490 SPOELSTRA, P. A., and TAAL, M. M. Cheaper and better soil steaming. (In Dutch.) *Groenten en Fruit* 6:619. Mar.1,1951. 80 G89
- 51491 STIJMANS, J. G. Technical considerations in soil fumigation. (In Flemish.) *Tuinbouwberichten* 15:2-4. (Concl.) Jan.15,1951. 80 T817
- 51492 THORNE, G. Diffusion patterns of soil fumigants. *Helminthol. Soc. Wash. Proc.* 18:18-28. Jan.1951. 436.9 H36

MATERIALS FOR SOIL IMPROVEMENT

- 51493 KAPOOR, G. P., and KISHORE, G. Comparative efficiency of various organic manures and inorganic fertilizers in west Uttar Pradesh for sugarcane. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.1):83-92. Ref. 1951. 65.9 C766
- 51494 LONG, M. I. E., OWEN, O., and WINSOR, G. W. The availability of the nitrogen in some bone materials used in horticulture. *J. Sci. Food & Agr.* 2:125-134. Mar. 1951. 382 So12
- 51495 MOORE, H. C. Dictionary of fertilizer materials & terms. Rev. ed. Philadelphia, Amer. Fert., 1950. 40 p. 57 M78
- 51496 ZAVIEZO M., S. Abonos orgánicos y abonos químicos. *Campesino* [Santiago] 83(2):18-19. Feb.1951. 9.3 So12

Primary Materials

- 51497 FISK, H. G., and DUNCAN, W. E. Processing intermediate grade Wyoming phosphate rock. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:37. Oct.1950. 500 C717
- 51498 HIGNETT, T. P. Nitric acidulation of rock phosphate. *Chem. Engin.* 58(5):166-169. May 1951. 381 EL2
- Fertilizer manufacture.
- 51499 MEEK, W. E. Anhydrous ammonia; gas fertilizer multiplies yields on Southern farms—but there are hazards. *Farm Safety Rev.* 9(3):4-5. May/June 1951. 449.8 F22
- 51500 PLUSJE, M. H. R. J. European progress in nitric acidulation of rock phosphate. *Chem. Engin.* 58(5):169-171. May 1951. 381 EL2
- 51501 SINCLAIR, A. T. A natural fertilizer; finely ground rock phosphate from Florida appears to have merit as a soil builder over a long term period. *Family Herald & Wk. Star* 82(16):3. Apr.19,1951. 7 F21

Secondary and Minor Element Materials

- 51502 BRÜNING, D. Natrium—ein pflanzennährstoff? Ein Beitrag zur rechtfertigung der kalinitanwendung. *Deut. Landwirt.* 2:178-179. Apr.1951. 18 D4822
- 51503 CHARRIN, V. Quelques mots sur le bore. *Prog. Agr. et Vitic.* 1951:212-213. Apr.15/22,1951. 14 P94
- 51504 COIC, Y., and COPPENET, Manganèse et croissance du blé. *Acad. d'Agr. de France. Compt. Rend.* 37:157-159. Feb.21/28,1951. 14 P215Bc
- 51505 HAUN, T. H. Trace minerals, a medical view of agriculture. *New Agr.* 33(6):12. Mar.1951. 66.8 Su32
- 51506 JENKINS, E. H. Trace elements in plant nutrition. *Amer. Rose Annu.* 36:83-90. 1951. 81 Am31A
- 51507 PERREAULT, E. F. Copper: in Havana seed tobacco production in Connecticut. *Com. Fert.* 82(4):73-78. Apr.1951. 57.8 C73
- 51508 THORNE, J. P. Will sulfur improve soils. *Farm & Home Sci.* [Utah Sta.] 12:13. Mar.1951. 100 Ut1F

Fertilizer Statistics

- 51509 BEERS, Z. H. Development of the fertilizer industry in the Middle Western States. *Fert. Rev.* 26(2):4-7,14. Apr./June 1951. 57.8 F414
- 51510 BLAKE, R. W. Super-phosphate fertilizer shortage endangers Australian agriculture. *Foreign Trade* 9:639-640. Apr.21,1951. 286.8 C162
- 51511 COLEMAN, R. What's right with the fertilizer industry? *Farm Policy Forum* 4(4):22-24. Apr.1951. 281.8 F2274
- 51512 DEERING, F. J. Your fertilizer supply may depend on your yearly buying habits. *Farmer-Stockman* 54(4):12,16. Apr.1951. 6 Ok45
- 51513 DIGEST symposium: solving the fertilizer problem. *Coop. Digest* 11(10a):8-9. Apr.15,1951. 280.28 C7896
- Statement by H. M. Hagg before the Farm Machinery Subcommittee of the House Committee on Agriculture, and comments by J. W. Sims, J. C. Crissey, and W. T. Steele, Jr.
- 51514 ENFIELD, G. H. Agronomist tells when to buy your fertilizer. *Midwest Turf* 5:1-2. Jan.1951. 60.18 M58
- 51515 JONES, J. I. Fertilizers and the sulphur shortage. *Indus. Chem.* 27:147-151. Apr.1951. 382 In22
- 51516 KURRELMAYER, L. H. The potash industry; analysis of recent developments in the economics of the potash industry with particular reference to Carlsbad, New Mexico. *Albuquerque, 1951.* 83 p. (New Mexico. U. Dept. Govt. Div. Res. [P.] No. 27) 309 K96
- 51517 LODGE, F. S. A threat to agricultural production. *Fert. Rev.* 26(2):12-14. Apr./June 1951. 57.8 F414
- Sulfur shortage.
- 51518 MENZI, H. Fertilizer supply situation. *Soil Sci. Soc. Philippines. J.* 3:40-43. First Q.1951. 56.9 So35
- 51519 PINEDA, C. C. Government policies concerned with fertilizers and lime. *Soil Sci. Soc. Philippines. J.* 3:30-34. First Q.1951. 56.9 So35
- 51520 PORTER, L. G., and TREMEARNE, T. H. NPK situation for 1951. *Com. Fert.* 82(3):24-25. Mar. 1951. 57.8 C73
- 51521 SABATINI, F. L. One year's work of the B.A.C.A. [British Agricultural Contractors Association] Lime Spreading Committee. *Agr. Mach. J.* 5(3):52. Mar. 1951. 58.8 Ag86
- 51522 SMITH, A. M. Sulphur in agriculture. *Scot. Agr.* 30:195-199. Spring 1951. 10 Sco82So
- Reduced supplies and the effect on the manufacture of sulfuric acid and phosphates.

51523 SMITH, E. G. The chemical industry and British agriculture. *Sci. Worker* 6(2):5-9. Mar.1951. 382 Sci2

Fertilizers.

51524 TREMEARNE, T. H. Sulfur situation for 1951. *Com. Fert.* 82(3):20-21. Mar.1951. 57.8 C73

51525 WELCH, J. H. The sulphur supply for Valley agriculture. *Tex. Farming & Citricult.* 27(10):6. Apr. 1951. 80 T31

Mineral Soil Amendments

51526 AMBERTI, P. The lime industry in the Philippines. *Soil Sci. Soc. Philippines. J.* 3:44-48. First Q. 1951. 56.9 So35

51527 FABER, F. J. Winterswijkse dolomite. (In Dutch.) *Stichting Nederlands Landb. Kalk Bur. Voorlichtingsbl.* 4:3-11. Jan.1951. 57.9 St5

51528 HARDING, R. B. The use of blast furnace slag as a soil amendment. *Ohio. State U. Abs. Doct. Diss.* 59:329-335. 1950. 241.8 Oh3

51529 HAUSRATH, E. Die kosten für die mineralische düngung. *Gartenwelt* 50:129. May 6, 1950. 80 G196

51530 KAPPEN, H. Die hochfenschlacke (hüttenkalk) als mittel zur verbesserung des bodens und zur steigerung der ernten. *Berlin, Parey, 1950.* 156 p. 57.1 K14

51531 MEYER, T. A. Evaluation of the relative effectiveness of various particle sizes of calcitic and dolomitic limestones as soil amendments. *Ohio. State U. Abs. Doct. Diss.* 59:377-381. 1950. 241.8 Oh3

Manures and Composts

51532 ARDITI, A. Organic manure and agricultural development. (In Hebrew.) *Hassadeh* 31:255-256. Feb.1951. 26 H27

51533 ARNY, A. C. Does manuring permanent pastures pay? *Hoard's Dairyman* 96:347. Apr.25, 1951. 44.8 H65

51534 ARNY, A. C. Spread pasture droppings, too. *Hoard's Dairyman* 96:393. May 10, 1951. 44.8 H65

51535 BEAR, F. E. The wrong turn. *J. Soil & Water Conserv.* 6:75-77. Apr.1951. 56.8 J822

Soil fertility and sewage.

51536 BÖNICKE, G. Kompostbereitung und kompostanwendung. *Leipzig, Hachmeister & Thal, 1950?* 40 p. (Lehrmeister-Bücherei Nr.1271) 57.4 B64

51537 BÖSENBERG, T. Die landwirtschaftliche verwertung der städtischen abwasser. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:631-632. Apr.26, 1951. 18 L2346

Use as fertilizer.

51538 FAIRBANKS, S. Box method for obtaining humus. *Gard. Club Amer. B.* 39(3):76-77. May 1951. 90.32 G16

Compost.

51539 FALK, K. Fertilizer from straw. (In Norwegian.) *Gartneryrket* 41:172-173. Mar.10, 1951. 80 G1938

51540 GOTTFELD, S. F. The utilization of cattle urine. (In Hebrew.) *Hassadeh* 31:358-359. Apr.1951. 26 H27

For fertilizer.

51541 HINDSON, J. R. E. A method of making compost and how to lay out your stacks. *Rhodesian Farmer* 4(21):9. Ref. Feb.14, 1951. 24 R347

51542 HUBBARD, W. W. Memories of manure handling. *Family Herald & Wk. Star* 82(11):6. Mar.15, 1951.

51543 LAL, K. N., and YADAV, B. S. Studies in crop physiology. Effect of farmyard manure and castor cake upon development, yield and seed quality of wheat. *Indian Acad. Sci. Proc. Sect. B* 33:69-91. Feb. 1951. 513 In25B

51544 LAWRENCE, W. J. C. Good compost gives earlier fruit. *Grower [London]* 35:761-762. Apr.14, 1951. 286.83 M34

51545 MAMCHENKOV, L. P. Measures for improving the utilization of manures on collective and state farms. (In Russian.) *Sovet. Agron.* 8(2):9-24. Feb.1951. 20 So84

51546 MARIMPIETRI, L. A big project for the increase of agricultural production: utilization of waste waters. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 1951(20):1-2. Mar.23, 1951. 281.8 Ag3

For fertilizers.

51547 MATSUKI, G. Hiryo [Manure]. *Tokyo, Fuminsha, 1950.* 192 p. 57.3 M42

51548 MOCKETT, J. T. Stormy seas bring soil fertility; Nova Scotia farmers recognize the value of seaweed washed onto their shores as a source of humus and plant nutrients. *Family Herald & Wk. Star* 82(17):10. Apr.26, 1951. 7 F21

51549 PANJE, R. R. A note on the utilization of human excreta as manure for sugarcane. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.1):76-83. 1951. 65.9 C766

51550 PFEIFFER, E. E. Compost from city wastes. *Land* 10:60-63. Spring 1951. 279.8 L22

51551 POLL, H. Über einen versuch mit verschiedenen stallmistarten in einem bäuerlichen betriebe. *Deut. Landwirt.* 2:20-21. Jan.1951. 18 D4822

51552 RAIMO, H. F. Production and value as manure of poultry dung. (In Portuguese.) *Rev. dos Criadores* 21(12):21-23. Dec.1950. 43.8 R32

51553 REGE, R. D. The place of compost in sugarcane culture in the Bombay Deccan. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.1):73-76. 1951. 65.9 C766

51554 RODRIGUES, F. G. Compost. (In Portuguese.) *São Paulo Supt. dos Serv. do Café. B.* 26:24-28. Jan. 1951. 68.29 Sa63

51555 ROHDE, G. Stallmistkonserve oder kompost? *Deut. Landwirt.* 2:6-9, 70-72. Jan.1951. 18 D4822

51556 RYAN, D. W. S. Fish farming in the North. *Org. Farmer* 2(10):30-31. May 1951. 57.8 Or3

As fertilizer in Newfoundland.

51557 SAUERLANDT, W. Gülle und güllendüngung. *Wasser u. Boden* 2:187-188, 236-237, 256-257. Sept., Nov. Dec.1950. 56.8 W28

51558 THURIAUX, L. Fumier artificiel et terreau: un procédé rapide de fabrication. *Belgium. Dir. de l'Agr. de l'Elevage et de la Colon. Tract* 9, 28 p. 1951. 13 B414

51559 TORRES FILHO, A. Barnyard manure, basis of fertilization of our lands. (In Portuguese.) *Lavoura* 55:21-22. Jan./Feb.1951. 9.2 L39

51560 VAN CLUTE, J. Feather fertilizer. *Org. Farmer* 2(10):52-53. May 1951. 57.8 Or3

51561 WELLS, P. S. Rose gardening with bacteria. *Natl. Rose Soc. Rose Annu.* 1951:43-47. 84 N21

Compost.

51562 WILHELMER, J. A. Über die landwirtschaftliche abwasserverwerungsanlage bei Pinneberg. *Wasser u. Boden* 2:178-181. Sept.1950. 56.8 W28

FORESTRY

GENERAL

51563 AHMAD, Y. S. The short-sightedness of the tribesmen in Chittagong hill tracts. *Pakistan J. Forestry* 1:14-17. Jan.1951. 99.8 P17

Clearing forests for small farms.

51564 BEEKMAN, W. B. Bibliography on forests, trees, wood, and wood products in U. S. A. (In Dutch.) *Hout Handel* 3:449-451, 461-463, 469-470. Feb.15-Mar.1, 1951. 99.81 H81

51565 CHAMPION, H. G. The place of forestry in the countryside. *Country Life [London]* 109:692-694. Mar.9, 1951. 80 C83

51566 ENDER, R. Das österreichische forstwesen. *Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb.* 1949:292-302, 304-312. 1950. 19 Au72J

51567 GLOVER, SIR H. A tour of Latin America in 1950. *Empire Forestry Rev.* 30:37-41. (To be cont.) Mar.1951. 99.8 Em72

51568 GREELEY, W. B. Forests and men. *Garden City, N. Y., Doubleday, 1951.* 255 p. 99.04 G81

51569 HOUTZAGERS, G. Forestry and forestry research in the United States of America. II-V. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:8-17, 36-42, 61-67, 102-108. Jan.-Apr.1951. 12 N282

51570 JENKINS, J. H. Canadian economy demands research. *Canada Lumberman* 71(5):78-80, 150, 152, 154. May 1951. 99.81 C16

51571 KENNEY, E. T. A decade of forestry progress. *Brit. Columbia Lumberman* 35(4):47-48, 68. Apr.1951. 99.81 B77

51572 KLIMEK, H. Employment and unemployment in Polish forest economy. *World Forestry Cong. Proc.* 3(3):280-283. 1949, pub.1950. 99.9 C76912A

51573 LAAKSONEN, Y. W. Employment and unemployment in Finnish forestry. *World Forestry Cong. Proc.* 3(3):284-286. 1949, pub.1950. 99.9 C76912A

51574 MACDONALD, D. A. Employment and unemployment in forestry in Canada. *World Forestry Cong. Proc.* 3(3):287-303. 1949, pub.1950. 99.9 C76912A

51575 MELLINS, L. Die forst- und holzwirtschaft der Baltischen staaten. The forest and forest product economics of the Baltic States. Bundesanst. f. Forst- u. Holzwirt. Mitt. 18,45 p. Ref. July 1950. 99.9 R273
English summary.

51576 MORTIMER, J. L. Timber vs. iron; forest conservation struggles for a foothold in early England. Wood Working Digest 53:87-92. May 1951. 99.82 W87

51577 OUDEMANS, T. C. Forestry in Canada and the United States. (In Dutch.) Nederland. Boschbouw-Tijdschr. 23:8-11. Ref. Jan.1951. 99.8 N28

51578 RAGHAVAN, M. S., and MASANI, N. J. Forest Research Institute exhibits at the Indian International Engineering Exhibition at Delhi. Indian Forester 77:206-209. Mar.1951. 99.8 In2

51579 RODGER, SIR A. A visit to South Africa. Empire Forestry Rev. 30:25-36. (To be cont.) Mar.1951. 99.8 Em72

51580 SHIMADA, K. Ringaku gairon [Outline of forestry]. Tokyo, Keiei Hyoron-sha, 1950. 304 p. 99 Sh64

51581 SONOBE, I., and MIURA, I. Ringaku kogi [Lectures on the forestry]. Tokyo, Chikyu Shuppan, 1950. 842 p. 99 So52

Index also in English.

51582 VAHID, S. A. Forestry in Finland. Pakistan J. Forestry 1:5-13. Jan.1951. 99.8 P17

51583 WARD, J. D. U. Notes from a forest diary. Country Life [London] 109:404-405. Feb.9, 1951. 80 C83

51584 WORLD FORESTRY CONGRESS, 3, 1949. Proceedings. 3. Special papers. Helsinki, 1950. 377 p. 99.9 C76912A

Education

51585 ANVERY, S. A. A. Pakistan Forest College and Research Institute. Pakistan J. Forestry 1:62-66. Jan.1951. 99.8 P17

51586 BESLEY, L. Forest conservation in the schools of British Columbia. Brit. Columbia Lumberman 35(4):41-42, 62, 64, 66. Ref. Apr.1951. 99.81 B77

51587 DAVIS, K. P. Getting the most from your summer work. J. Forestry 49:356-358. May 1951. 99.8 F768

For forestry school students.

51588 HOSMER, R. S. Forestry at Cornell [1898-1948]. A retrospect of proposals, developments, and accomplishments in the teaching of professional forestry at Cornell University. Ithaca, 1950. 63 p. 99.06 H79

51589 HVIID, A. Technical education of forest labourers. World Forestry Cong. Proc. 3(3):319-321. 1949, pub.1950. 99.9 C76912A

Denmark.

51590 KRUEGER, M. Professional needs in forestry education. J. Forestry 49:333-337. May 1951. 99.8 F768

51591 LUNNUM, K. 4-H forestry guide. Wash. State Col. Ext. Mimeog. 993, 17 p. Apr.1951. 275.29 W27Mi

51592 MARTIN, W. G. Florida Association, Future Farmers of America forestry projects. Amer. Farm Youth 17(1):34. Mar.1951. 6 Am393

51593 ROSS, W. News of lumbermen's educational classes. Brit. Columbia Lumberman 35(4):60, 62. Apr.1951. 99.81 B77

51594 SEARS, P. B. Can we educate for wise use? Yale Forest Sch. News 39:32-33. Apr.1951. 99.8 Y1

51595 WEBER, H. W. Der forstbetriebsdienst; lehrbuch für den gehobenen forstdienst. Ed. 3. München, Bayerischer Landwirtschaftsverlag, 1950. 788 p. 99.66 W38

51596 WEIR, A. H. W. Future forestry education. Empire Forestry Rev. 30:17-21. Mar.1951. 99.8 Em72
With comment by H. C. Champion.

51597 YALE UNIVERSITY. SCHOOL OF FORESTRY. The first half-century of the Yale School of Forestry; in commemoration of the semicentennial reunion at New Haven, Conn., 11-12 December 1950. New Haven, 1950? 211 p. 99.08 Y1Fi

51598 ZENTGRAF, E. Einführung in die forstwirtschaftswissenschaft. Frankfurt am Main, Sauerländer, 1950? 78 p. 99.06 Z4

Policies, Programs, Administration

51599 ANVERY, S. A. A. Forests and forestry problems of Pakistan. Pakistan J. Forestry 1:18-30. Jan.1951. 99.8 P17

51600 AUBREVILLE, A. La forêt et le service forestier. Marchés Colon. 7:1175-1179. Apr.28, 1951. 286.8 M33

Ivory Coast.

51601 BERESFORD-PEIRSE, SIR H. Relation of forestry to agriculture in rural economy. World Forestry Cong. Proc. 3(3):218-222. 1949, pub.1950. 99.9 C76912A
Great Britain.

51602 BOTTENBURG, M. VAN. Forestry as related to agriculture in the rural economy of Indonesia. World Forestry Cong. Proc. 3(3):223. 1949, pub.1950. 99.9 C76912A

51603 DIETERICH, V. Wirtschaftliche auswertung der ergebnisse von standortskartierungen bei der forstlichen planung. Allg. Forst- u. Jagdztg. 122:75-81. Feb.1951. 99.8 AL3

51604 DUSCHEK, S. Die beziehungen zwischen waldwirtschaft und landwirtschaft. World Forestry Cong. Proc. 3(3):224-229. Ref. 1949, pub.1950. 99.9 C76912A
Austria

51605 ELIA, E. D'. A contribution to the statistical method for problems of forest economics and policy. (In Italian.) World Forestry Cong. Proc. 3(3):201-204. 1949, pub.1950. 99.9 C76912A

51606 ENDER, R. Die forstarbeiterfrage in Österreich forstpolitisch gesehen. World Forestry Cong. Proc. 3(3):304-314. 1949, pub.1950. 99.9 C76912A

51607 FANGEAT, A. L'évolution économique de la Côte d'Ivoire. Marchés Colon. 7:1143-1144. Apr.28, 1951. 286.8 M33

Includes development of forest resources.

51608 FROMER, R. Possibilities in planning the development of world forestry. World Forestry Cong. Proc. 3(3):265-268. 1949, pub.1950. 99.9 C76912A

51609 GLINKA, Z., and PIATKIEWICZ, W. Les relations entre l'agriculture et l'économie forestière. World Forestry Cong. Proc. 3(3):236-242. 1949, pub.1950. 99.9 C76912A

Poland.

51610 GRØN, A. H. Forest policy and sustained yield. World Forestry Cong. Proc. 3(3):269-271. 1949, pub.1950. 99.9 C76912A

51611 ISHAQ, S. M. Forests and forest utilization. Pakistan J. Forestry 1:41-50. Jan.1951. 99.8 P17

51612 JAGERSCHMIDT, L. La reconstitution des Landes de Gascogne ou en est-on au début de 1951? Acad. d'Agr. de France. Compt. Rend. 37:107-112. Jan. 24/31, 1951. 14 P215Bc

Reforestation after fire.

51613 JOHNSON, V. Here is our forest policy. Forest & Outdoors 47(5):16-19. May 1951. 99.8 C16
Canada.

51614 KERNAN, H. S. A forest policy for Bolivia. J. Forestry 49:353-356. May 1951. 99.8 F768

51615 LIHTONEN, V. Wirtschaft und wirtschaftspolitik bei der verwertung der wälder im naturzustand. World Forestry Cong. Proc. 3(3):196-200. 1949, pub.1950. 99.9 C76912A

Finland

51616 MARCON, Y. Importance des recherches pour orienter l'économie et la politique de mise en exploitation des forêts tropicales. World Forestry Cong. Proc. 3(3):190-195. 1949, pub.1950. 99.9 C76912A

51617 MEYER, H. Erfahrungen im gütierzusammenlegungswesen. Schweiz. Z. f. Forstw. 102:132-151. Feb./Mar.1951. 99.8 J82

51618 MIEGE, E. Le Fonds Forestier Marocain, rôle et importance des arbres. Inform. Marocaine 532:1,4. Mar.24, 1951. 281.8 In3

51619 NESTEROV, V. G. General results of the research of the Buzulukski Expedition of the All-Union Scientific-Research Institute of Forestry. (In Russian.) In Nesterov, V. G., ed. Buzulukskii bor, v. 2, p.166-174. Moskva, Goslesbumizdat, 1950. 99.34 N37

51620 OSARA, N. A. Relationship of forestry to agriculture in rural economy. World Forestry Cong. Proc. 3(3):243-245. 1949, pub.1950. 99.9 C76912A
Finland.

51621 OUDEMANS, T. C., and HALBERTSMA, S. J. Relations of forestry to agriculture in rural economy. World Forestry Cong. Proc. 3(3):246-252. 1949, pub.1950. 99.9 C76912A
Netherlands.

51622 PHILIPPIS, A. DE. Reboisement et recherche forestière dans l'Etat d'Israël. Schweiz. Z. f. Forstw. 102:97-107. Feb./Mar.1951. 99.8 J82

51623 RAMMELL, J. C. An economic survey of forestry in Kenya and recommendations regarding a Forest Commission. Empire Forestry Rev. 30:52-55. Mar.1951. 99.8 Em72

51624 REINBEK, GER. BUNDESANSTALT FÜR FORST- UND HOLZWIRTSCHAFT. Bundesanstalt für forst- und holzwirtschaft, Reinbek bei Hamburg, 1930-1950. Hamburg, 1950. 32 p. 99.08 R272

- 51625 SACCHI, G. Prospects for a forest policy. (In Italian.) Agr. Ital. 2(1/2):33-36. Jan.1/15,1951. 16 Ag822
- 51626 SCHEUBLE, R. Die Forstliche Bundesversuchsanstalt Mariabrunn. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949:324-329. 1950. 19 Au72J
- 51627 SCHMON, A. A. Here is our forest policy. Forest & Outdoors 47(4):14-16. Apr.1951. 99.8 C16
- 51628 SIERRA LEONE. FOREST ADMIN. Annual report for the year 1949. Freetown,1951. 19 p. 99.9 S112
- 51629 STEIJN, J. A. VAN. Economics and policy of afforestation. World Forestry Cong. Proc. 3(3):211-215. 1949, pub.1950. 99.9 C76912A
- Netherlands.
- 51630 TENNESSEE. DEPT. OF CONSERVATION. Biennial report, 1948-1950. Nashville,1950. 72 p. 279.9 T25
- Includes the Division of Forestry.
- 51631 VÖRY, J. La politique de reboisement des terrains incultes et son caractère spécial. World Forestry Cong. Proc. 3(3):216-217. 1949, pub.1950. 99.9 C76912A
- 51632 WHEELER, H. N. Church forests. Washington? U. S. Forest Serv., 1951. 2 p. 1.962 A2C47
- Legislation and Taxation
- 51633 EBERTS, H. Forstgesetzgebung in nordrhein-westfalen. III. Allg. Forstz. 6:121-123. Mar.14,1951. 99.8 AL52
- 51634 JOHANSSON, F. Some features in modern Swedish forest legislation. World Forestry Cong. Proc. 3(3):272-274. 1949, pub.1950. 99.9 C76912A
- 51635 KLOTZ, K. Wo bleibt das "Waldschutzgesetz" in Bayern? Allg. Forstz. 6:160-161. Apr.4,1951. 99.8 AL52
- 51636 LUNDBERG, H. Discussion of the forest protection law. (In Swedish.) Skogen [Stockholm] 38:4-5. Jan.1,1951. 99.8 Sk51
- 51637 STREYFFERT, T. The new forest law. (In Swedish.) Skogen [Stockholm] 38:16*-18*,22*. Feb.15, 1951. 99.8 Sk51
- 51638 WEATHERBY, H. Taxation tax amendment would encourage tree farming on crown-granted lands. Brit. Columbia Lumberman 35(4):43. Apr.1951. 99.81 B77
- 51639 WELANDER, R. Reflections concerning the 1948 forestry law. (In Swedish.) Skogen [Stockholm] 38:28*-30*. Mar.15,1951. 99.8 Sk51
- 51640 WODERA, H. Vergleichsfähige forsttaxation. World Forestry Cong. Proc. 3(3):179-185. 1949, pub.1950. 99.9 C76912A
- Forest Description and Resources
- 51641 BOON, D. A., and BOTTENBURG, M. VAN. Forest survey in Indonesia. World Forestry Cong. Proc. 3(3):173-175. 1949, pub.1950. 99.9 C76912A
- 51642 BRIMBLE, J. A. London's Epping Forest. London, Country Life, 1950. 176 p. 99.25 B772
- 51643 GT. BRIT. FORESTRY COMMISSION. Britain's forests: Tintern. London, 1950. 16 p. 99.66 G799T
- 51644 GURVICH, I. I. A. Postwar changes in the geography of forests. (In Russian.) Vsesoiuzn. Geog. Obshch. Izv. 82:367-379. July/Aug.1950. 511 L546
- Mainly on statistics of world forest resources.
- 51645 HOPKINS, A. S. Within and without the Blue Line. N. Y. State Conserv. 5(5):10-11. Apr./May 1951. 279.8 N48
- New York Forest Preserve.
- 51646 JOHNSON, V. E. How are your forests doing? Paper Trade J. 132(15):28,30,32,34. Apr.13,1951. 302.8 P196
- Canada.
- 51647 SOUTHERN NEWSPAPER PUBLISHERS ASSOCIATION. The South's forest resources. Chattanooga, 1950. 12 p. 99.61 S885
- 51648 URQUHART, B. Forests of Savoie. Wood [London] 16:154-156. Apr.1951. 99.82 W855
- 51649 WESTVELD, R. H. Forests. In Gist, N. P., ed. Missouri, its resources, people, and institutions, p.151-189. Ref. Columbia, 1950. 280.047 G44
- Individual Genera and Species
- 51650 AHMED, M. U. Golpatta [Nipa fruticans]. Pakistan J. Forestry 1:55-61. Jan.1951. 99.8 P17
- 51651 ALVINO, G. E. Alpine bamboo forests in East Africa. (In Italian.) World Forestry Cong. Proc. 3(3):11-17. 1949, pub.1950. 99.9 C76912A
- Arundinaria alpina.
- 51652 ANDERSEN, M. Growth and yield of Japanese larch [Larix leptolepis] in Denmark. World Forestry Cong. Proc. 3(3):160-162. 1949, pub.1950. 99.9 C76912A
- 51653 ARNSWALDT, H. J. VON. Stärkenwachstum der buche im nordwestdeutschen raum. Allg. Forstz. 6:173,175. Apr.11,1951. 99.8 AL52
- 51654 BECKING, J. H. The Douglas[fir] forests of the Pacific Northwest. (In Dutch.) Nederland. Boschbouw-Tijdschr. 23:35-50. (To be cont.) Feb.1951. 99.8 N28
- 51655 BEEFTINK, H. H. Some observations on tamarack or eastern larch (Larix laricina koch.). Forestry Chron. 27:38-39. Mar.1951. 99.8 F7623
- 51656 CAMIDGE, C. H. Wonders of the maple tree. Family Herald & Wk. Star 82(13):3,19. Mar.29,1951. 7 F21
- Experiments concerning the tree's manufacture of sugar and sirup.
- 51657 GÖHRE, K. Die Robinie (Akazie), ein wichtiges holz des bauernwaldes. Deut. Landwirt. 2:213-216. Ref. Apr.1951. 18 D4822
- 51658 GUINIER, P. La question du peuplier. World Forestry Cong. Proc. 3(3):111-116. 1949, pub.1950. 99.9 C76912A
- 51659 HELLINGA, G. Forest tree species for planting on a large scale. (Sum.) Organ. Sci. Res. Indonesia. O. S. R. News 3:7. Jan.1951. 330.9 Or3Ae
- 51660 LANGNER-SCHMALENBECK, W. Zur frage der Douglasien- und lärchenbastarde. Allg. Forstz. 6:195-197. Apr.25,1951. 99.8 AL52
- With notes by H. Junack and G. Meier.
- 51661 LEWIS, J. F. Black or speckled alder? J. Forestry 49:332. May 1951. 99.8 F768
- 51662 MOORE, D. M. Trees of Arkansas. Little Rock, 1950. 119 p. 99.3 M78
- Issued by Arkansas Resources and Development Commission, Division of Forestry and Parks, in cooperation with the University of Arkansas.
- 51663 MOSHER, M. M., and LUNNUM, K. Trees of Washington. Wash. State Col. Ext. B. 440,40 p. Mar. 1951. 275.29 W27P
- 51664 OUDIN. Semaine internationale du chataignier (5-17 septembre 1950). Acad. d'Agr. de France. Compt. Rend. 36:705-706. Dec.13/20,1950. 14 P215Bc
- 51665 PESCOTT, E. E. The amazing bamboo. Westralian Farmers Co-op Gaz. 20:97-98. Feb.1951. 280.28 W522
- Uses.
- 51666 PONTE, B. DA. Pinus sylvestris in Calabria. (In Italian.) World Forestry Cong. Proc. 3(3):96-110. 1949, pub.1950. 99.9 C76912A
- 51667 RISSEEUW, P. Sandalwood. (In Dutch.) In Hall, C. J. J. van, and Koppel, C. van de, eds. De landbouw in de Indische Archipel, III, p.686-705. Ref. 's-Gravenhage, 1950. 37 H14L
- Chiefly culture.
- 51668 RIU VULART, J. M. Nuestro arbolado forestal. III. Las especies importadas. Cám. Ofic. Sind. Agr. de Barcelona. B. 6:5-9. Jan.1951. 15 C14
- Spain.
- 51669 ROL, R. Types de hêtraies en France. World Forestry Cong. Proc. 3(3):55-61. 1949, pub.1950. 99.9 C76912A
- 51670 SÁNCHO, A. D. Observaciones sobre la explotación de eucaliptales en Mendoza. Soc. Rur. Argentina. An. 84(12):50-51. Dec.1950. 9 Sol
- 51671 SPRANGERS, A. A. C. The Siberian larch. (In Dutch.) Hout Handel 3:473. Mar.8,1951. 99.81 H81
- Larix sibirica and L. gmelini.
- 51672 WILLIAMS, M. W. The California buckeye [Aesculus californica]. Amer. Forests 57(5):26. May 1951. 99.8 F762

FOREST MANAGEMENT AND FINANCE

- 51673 ABETZ, K. Fragen der einheitsbewertung forstwirtschaftlicher betriebe. Allg. Forstz. 6:176-179. Apr.11,1951. 99.8 AL52
- 51674 ALEEM, S. A. Scope of co-operative forestry in east Bengal. Empire Forestry Rev. 30:58-61. Mar. 1951. 99.8 Em72
- 51675 DANNECKER, K. Wald alter bauerngeschlechter als lehrstätte. Allg. Forstz. 6:157-160. Apr.4, 1951. 99.8 AL52
- 51676 DANNECKER, K. Der waldwirt; grundbegriffe vom waldbau. Ed. 4, rev. Stuttgart, Ulmer, 1950. 177 p. 99.55 D23W
- 51677 ELSÄSSER, A. Das forstwirtschaftliche genossenschaftswesen in Österreich. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949:312-315. 1950. 19 Au72J

- 51678 ERIKSSON, E. Some observations on the forest. (In Swedish.) Skogen [Stockholm] 38:9. Jan.1,1951. 99.8 Sk51
Management.
- 51679 GÜDE, J. Wieder einmal "holzproduktion"! Allg. Forstztg. 62:41-42. Mar.1951. 99.8 AL53
- 51680 GUNZL, L. Forstwirtschaftliche planung im auwald. Allg. Forstztg. 62:37-39. Mar.1951. 99.8 AL53
- 51681 HAGENSTEIN, W. D. Tree farming in the Douglas fir region. Brit. Columbia Lumberman 35(4): 100,104,106. (Cont.) Apr.1951. 99.81 B77
- 51682 JOHNSON, V. E. A new era of forest management. Montreal,1950. 21 p. 99.55 J63
- 51683 KNUCHEL, H. Planung und kontrolle im forstbetrieb. Aarau,Sauerländer,1950. 346 p. Ref. 99.66 K78
- 51684 MEYER, H. A. Vorratzzunahme und nutzung im ungleichaltrigen wald. Schweiz. Z. f. Forstw. 102: 119-132. Feb./Mar.1951. 99.8 J82
- 51685 MIJERS, W. N., and SEVANDONO, R. Measures for safeguarding sustained yield in Indonesia. World Forestry Cong. Proc. 3(3):275-276. 1949,pub. 1950. 99.9 C76912A
- 51686 NESTEROV, V. G. Practical measures for the regeneration and management of Buzulukski Forest. (In Russian.) In Nesterov, V. G., ed. Buzulukskii bor, v. 2, p.144-165. Moskva,Goslesbumizdat,1950. 99.34 N37
Recommended by the Buzulukski Scientific Expedition of the All-Union Scientific-Research Institute of Forestry.
- 51687 SAARI, E. The sustained yield in forestry. World Forestry Cong. Proc. 3(3):277-279. 1949,pub.1950. 99.9 C76912A
- 51688 STEINLIN, H. Arbeitslehre und forstliches rechnungswesen. Schweiz. Z. f. Forstw. 102:158-164. Feb./Mar.1951. 99.8 J82
- 51689 WEBER, H. W., ed. Der Forstbetriebsdienst; anhang zum lehrbuch. Homa: unfallverhütungsregeln, arbeitsunterweisungen sowie baumasse, kosten und leistungsangaben (unterrichtende werte). München,Bayerischer Landwirtschaftsverlag,1950. 47 p. 99.66 W38A
- 51690 ZIVNUSKA, J. A. Future wood markets and forest management. J. Forestry 49:326-330. May 1951. 99.8 F768
- 51691 ZIVNUSKA, J. A. Use value vs. market value. J. Forestry 49:361-362. May 1951. 99.8 F768
- Farm Woodlands
- 51692 ABETZ, K. Bauernwald und höhenlandwirtschaft. Allg. Forst- u. Jagdztg. 122:69-75. Feb.1951. 99.8 AL3
- 51693 CHAPMAN, H. H. Should small woodlots be managed for sustained annual yield? J. Forestry 49: 343-344. May 1951. 99.8 F768
- 51694 CLUNE, R. M. Make that woodlot pay! A "slack season" income can be yours from a smaller investment that you think. Ford Farming 4:12-13. Winter 1951. 58.8 F752
- 51695 DUNCAN, D. P. Windbreaks for Kansas. Rev. Kans. State Col. Agr. Ext. L. 9,6 p.-folder. Feb.1951. 275.29 K13Le
Revised by P. E. Collins.
- 51696 GRANBERG, W. J. Farm logging pays off. Wood [Chicago] 6(5):25,38. May 1951. 99.82 W859
- 51697 HERRAN, K. Lebende schutzanlagen nach der naturbaumethode. Schweiz. Z. f. Forstw. 102:164-167. Feb./Mar.1951. 99.8 J82
- 51698 REITZ, T. R. A report on the Plains Shelterbelt Project. Kans. State Hort. Soc. Bien. Rpt. 50:146-153. 1950. 81 K13
- 51699 SPEE, F., GRAF VON. Die forstwirtschaftliche entwicklung im bauernwald des Kreises Olpe. Landwrt. Wchnbl. f. Westfalen u. Lippe 108A:519-520. Apr.5, 1951. 18 L2346
- 51700 STOECKELER, J. H. Windbreak and shelterbelt planting in the United States. World Forestry Cong. Proc. 3(3):253-264. 1949,pub.1950. 99.9 C76912A
- Mensuration
- 51701 BITTERLICH, W. Das forsttechnische messverfahren "winkelzählprobe" und das forstliche messgerät "relaskop." World Forestry Cong. Proc. 3(3):186-189. 1949,pub.1950. 99.9 C76912A
- 51702 FEDERICO, S. Study of increment in chestnuts grown for fruit in Italy. (In Italian.) World Forestry Cong. Proc. 3(3):167-169. 1949,pub.1950. 99.9 C76912A
- 51703 HAGBERG, E. Coordination of data of large areas; from two surveys to get the volume cut. World Forestry Cong. Proc. 3(3):176-178. 1949,pub.1950. 99.9 C76912A
- 51704 HUMMEL, F. C. Instruments for the measurement of height, diameter and taper on standing trees. Forestry Abs. 12:261-269. Ref. Mar.1951. 241.01 Im7
- 51705 PRINCE, E. The Prince timber ready reckoner; originally compiled by E. & H. Prince. New ed., thoroughly rev. by R. L. B. Sim. London,Benn, 1950. 90 p. 99.76 P932
- 51706 STOFFELS, A. L'exactitude des mesurages à l'aide du dendromètre modifié de Vorkomppf-Laue. (In Dutch.) Nederland. Boschbouw-Tijdschr. 23:68-74. Mar. 1951. 99.8 N28
French summary.
- 51707 VANGNITS, P. R. To make more accurate the methods for estimating standing timber for leasing. (In Russian.) Lesn. Promysh. 10(10):29-31. Oct.1950. 99.82 L56
- 51708 WILHELMI, T. Die zuwachsleistungen von Tectona grandis nach indischen und niederl.-indischen ertragstafeln. Bundesanst. f. Forst- u. Holzwirt. Mitt. 20,11 p. Ref. Oct.1950. 99.9 R273
English summary.
- Aerial Surveying and Photography
- 51709 COSMA, D. Utilization of aerial photography for the application of the hydro-geologic relation. (In Italian.) World Forestry Cong. Proc. 3(3):138-142. 1949,pub.1950. 99.9 C76912A
- 51710 CROMER, D. A. N. Aerial survey and photo interpretation in Australian forestry. World Forestry Cong. Proc. 3(3):143-146. 1949,pub.1950. 99.9 C76912A
- 51711 LÖFSTRÖM, K. G. Use of air photographs in Finnish forestry. World Forestry Cong. Proc. 3(3):147-152. 1949,pub.1950. 99.9 C76912A
- Silviculture
- 51712 ARONSSON, G. The birch excursion of the Scandinavian Forest Union in Finland. (In Swedish.) Skogen [Stockholm] 38:5*-6*. Jan.15,1951. 99.8 Sk51
- 51713 BURGER, H. Blattmenge und zuwachs an fichten in plenterwald auf verschiedenen standorten. World Forestry Cong. Proc. 3(3):163-166. 1949,pub.1950. 99.9 C76912A
Switzerland.
- 51714 COOK, D. B. Concluding notes on a larch plantation. J. Forestry 49:359-360. May 1951. 99.8 F768
- 51715 DRESZER, L. Principles of silvicultural planning. World Forestry Cong. Pr 3(3):205-210. 1949,pub.1950. 99.9 C76912A
- 51716 EIDMANN, F. E. Organisation und praktische durchführung der standorterkundung im rahmen der forsteinrichtung. Allg. Forstz. 6:181-182. Apr.25,1951. 99.8 AL52
- 51717 GUIGONIS, G. Les possibilités de sylviculture intensive de l'okoumé [Aucoumea] au Gabon. World Forestry Cong. Proc. 3(3):26-37. 1949,pub.1950. 99.9 C76912A
- 51718 GUINIER. Quelques résultats de la culture d'essences exotiques (sapin de Douglas, Thuya géant) dans le Domaine d'Harcourt. Acad. d'Agr. de France. Compt. Rend. 37:75-77. Jan.24/31,1951. 14 P215Be
- 51719 GUTSCHICK, V. Forstliche standortskunde als grundlage für den praktischen waldbau. Hannove, Schaper,1950. 259 p. 99.36 G982
- 51720 HARTMANN, F. Bevorzugung wirtschaftlich wertvoller holzarten bei wahrung der produktionskraft des waldbodens. World Forestry Cong. Proc. 3(3):68-71. 1949,pub.1950. 99.9 C76912A
- 51721 HEIKINHEIMO, O. Biologie und technik der forstkultur. World Forestry Cong. Proc. 3(3):85-87. 1949,pub.1950. 99.9 C76912A
- 51722 HOLL, W. Über den anbau der klefer. Landwrt. Wchnbl. f. Westfalen u. Lippe 108A:445-446. Mar. 22,1951. 18 L2346
- 51723 KAISER, E. F. Forsthandbuch für forstdienststanwärter und kleinwaldbesitzer. Frankfurt,Brost, 1950? 80 p. 99.45 K122
- 51724 LEIBUNDGUT, H. Considérations biologiques sur le choix des essences forestières. World Forestry Cong. Proc. 3(3):47-49. 1949,pub.1950. 99.9 C76912A
- 51725 MAURER, K. J. Vorläufiger bericht über einen stamm- bzw. gerüstbildnerversuch. Züchter 20: 346-352. 1950. 442.8 Z8
- 51726 MOROZOV, G. F. Ocherki po lesokul'turnomu delu [Sketches on silviculture]. Ed. 2. Moskva,Goslesbumizdat,1950. 234 p. 99.45 M82
- 51727 RIGHTER, F. L., and DUFFIELD, J. W. Hybrids between ponderosa [Pinus ponderosa] and apache pine [Pinus latifolia]. J. Forestry 49:345-349. Ref. May 1951. 99.8 F768

51728 SHNITNIKOV, A. V. Conference on Geographic Problems of Shelterbelt Silviculture, March 20-24, 1950. (In Russian.) Vsesoiuzn. Geog. Obshch. Izv. 82:412-415. July/Aug. 1950. 511 L546

51729 SLAVÍKOVÁ-VESELÁ, J. The reconstruction of the forest on the basis of the analysis of the charcoals found in Slav barrows at Stříbro. (In Czech.) Masarykovy Akad. Práce. Sborn. 24:234-241. Ref. 1950. 510 P885 English summary.

Silvicultural Practices

51730 BAYER. Verbuchung des bayerischen waldes? Allg. Forstz. 6:161-162. Apr. 4, 1951. 99.8 AL52

51731 CHAUDHURI, S. Forestry practice in the northern circle of west Bengal. Empire Forestry Rev. 30:56-57. Mar. 1951. 99.8 Em72

51732 DANNECKER, K. Zur frage der verbuchung des weisstannenwaldes. Allg. Forstz. 6:124-125. Mar. 14, 1951. 99.8 AL52

51733 GEORGIEVSKIY, N. P. Thinning [low] in Buzulukski Forest. (In Russian.) In Nestrov, V. G., ed. Buzulukskii bor, v. 2, p.98-119. Moskva, Goslesbumizdat, 1950. 99.34 N37

51734 ILMURZYNSKI, E. Forest management based on "jardinage" cutting. World Forestry Cong. Proc. 3(3):38-42. 1949, pub. 1950. 99.9 C76912A

51735 JAMES, N. D. G. Forestry for estate woodlands. 3-4. Wood [London] 16:94-96, 134-137. Mar.-Apr. 1951. 99.82 W855

51736 JOERGENSEN, C. Experimental thinning operations on a commercial scale. Forestry Chron. 27:64-72. Mar. 1951. 99.8 F7623

51737 KRESS, C. Zur "Verbuchung des bayerischen waldes." Allg. Forstz. 6:125-127. Mar. 14, 1951. 99.8 AL52

51738 LÖVENGREEN, J. A. Dependence of volume increment upon thinning grade, employed in thinning plans. World Forestry Cong. Proc. 3(3):170-172. 1949, pub. 1950. 99.9 C76912A

51739 MÜLLER, H. Die erziehung der waldbestände 3. Grüne 79:137-144. Feb. 2, 1951. 17 Sch9

51740 NESTEROV, V. G., ed. Buzulukskii bor. II. Vozobnovlenie sosny i prakticheskie meropriyatiya po lesnomu khoziaistvu [Buzulukski Forest. II. Regeneration of Pinus and practical measures in forestry]. Moskva, Goslesbumizdat, 1950. 175 p. 99.34 N37

51741 NESTEROV, V. G. Causes for decrease in pine forest areas [in Buzulukski Forest] and methods for regenerating them. (In Russian.) In Nestrov, V. G., ed. Buzulukskii bor, v. 2, p.121-143. Ref. Moskva, Goslesbumizdat, 1950. 99.34 N37

51742 SCHUTZE, G. A. Zum pappelmarkenetikett. Allg. Forstz. 6:129. Mar. 14, 1951. 99.8 AL52

51743 SEWANDONO, R. Development and silvicultural treatment of virgin forests in the Tropics. World Forestry Cong. Proc. 3(3):18-21. 1949, pub. 1950. 99.9 C76912A

51744 STAPLETON, C. C. Correct pruning raises value of trees for timber; production for commercial purposes of knot-free clear wood in three-stage treatment; American research confirms South African policy. Farmer's Wk. [Bloemfontein] 80:10-11, 13. Mar. 14, 1951. 24 F225

51745 WINKELMANN, H. G. Über farbmarkierungen im forstbetrieb. Schweiz. Z. f. Forstw. 102:152-158. Feb./Mar. 1951. 99.8 J82

Seeding and Planting

51746 BROOKS, R. O. Chemical weeding as applied to forest nursery practice. Pa. Forests & Waters 3:42-43, 47-48. Mar./Apr. 1951. 99.8 P38

51747 CARNEVALE, J. A. Las almacigas de forestales. Charla Rur. 149:14-15. (To be cont.) Mar. 1951. 9 C37

Argentina.
51748 COOPER, R. W. Release of sand pine [Pinus clausa] seed after a fire. J. Forestry 49:331-332. May 1951. 99.8 F768

51749 EGLITE, A. Natural regeneration of tree stands in the principal pine forest types of Latvian SSR. (In Latvian.) Latv. PSR Zinatnu Akad. Vest. 1:115-124. 1950. 511 R442

51750 FRERICH, F. Die kreuzstichpflanzung. Landwirtsch. Wchnbl. f. Westfalen u. Lippe 108A:445. Mar. 22, 1951. 18 L2346

Trees.
51751 GALOUX, A. Le reboisement des landes en Campine Belge. World Forestry Cong. Proc. 3(3):72-76. 1949, pub. 1950. 99.9 C76912A

51752 GOSLING, A. H. Developments in the technique of afforestation in Great Britain. World Forestry Cong. Proc. 3(3):77-84. 1949, pub. 1950. 99.9 C76912A

51753 GUSTAFSSON, A. Conifer seed plantations: their structure and genetical principles. World Forestry Cong. Proc. 3(3):117-119. 1949, pub. 1950. 99.9 C76912A

51754 HOLLEN, D. E. Forestry winners tell how to plant seedlings. W. Va. Conserv. 15:13-14. Apr. 1951. 279.8 W524

51755 HOUTZAGERS, G. Génétique et sélection dans la silviculture néerlandaise. World Forestry Cong. Proc. 3(3):120-125. 1949, pub. 1950. 99.9 C76912A

51756 HUSS, E. Viability of pine and spruce seed 1950. (In Swedish) Skogen [Stockholm] 38:7*-8*. Jan. 15, 1951. 99.8 Sk51

51757 JARRETT, G. Trees on the Quantocks. Field 197:586-587. Apr. 21, 1951. 10 F45

Reforestation.
51758 JOHNSSON, H. Experiences and results of ten years' breeding experiments at the Swedish Forest Tree Breeding Association. World Forestry Cong. Proc. 3(3):126-130. 1949, pub. 1950. 99.9 C76912A

51759 KARPINSKI, J. The problem of races and polyploids of forest trees, as also the problem of stand types as genetical problems in forestry. World Forestry Cong. Proc. 3(3):131-134. 1949, pub. 1950. 99.9 C76912A

51760 KOP, L. G. Something about growth of Norway spruce and Douglas fir in heath-afforestations. (In Dutch.) Nederland. Boschbouw-Tijdschr. 23:75-79. Mar. 1951. 99.8 N28

English summary.

51761 KRASNOV, M. A. Natural regeneration of Pinus in connection with cuttings and fires. (In Russian.) In Nestrov, V. G., ed. Buzulukskii bor, v. 2, p.3-97. Ref. Moskva, Goslesbumizdat, 1950. 99.34 N37

51762 MEMELINK, G. Afforestation in the Netherlands. World Forestry Cong. Proc. 3(3):88-91. 1949, pub. 1950. 99.9 C76912A

51763 MULTAMAKI, S. E. Über naturgemässe gründung, erziehung und verjüngung von fichten- und birkenwäldern auf entwässerten torfböden in Finnland. World Forestry Cong. Proc. 3(3):50-54. 1949, pub. 1950. 99.9 C76912A

51764 PETER-CONTESSÉ, J. Sur la reconstitution des forêts. World Forestry Cong. Proc. 3(3):92-95. 1949, pub. 1950. 99.9 C76912A

51765 SARVAS, R. Forest genetics in Finland. World Forestry Cong. Proc. 3(3):135-137. 1949, pub. 1950. 99.9 C76912A

51766 SCHMIDT, H. Waldbauliche folgerungen aus keimungsphysiologischer forschung. Allg. Forstz. 6:193-194. Apr. 25, 1951. 99.8 AL52

51767 SMEDT, A. DE. La recolte et la conservation de semences d'essences forestieres. Annu. Agr. et Hort. (1950/51)3:100-103. 1951. 13 An7

51768 TURKOVA, N. S. Effect of gaseous composition of the air on viability of acorns [in storage]. (In Russian.) Akad. Nauk SSSR. Dok. 76:735-738. Ref. Feb. 11, 1951. 511 P444A

Forest Protection and Damage

51769 BODDY, H. This forest grew again! Destroyed by fire; replanted by nature; saved by conservation. Better Farming Methods 23(4):10, 12-13. Apr. 1951. 58.8 B46

51770 NUMATA, D. Shinrin hogogaku [Science of forest protection]. Tokyo, Asakura Shoten, 1950. 244 p. (Zorin Gaku Zensho 7) 99.5 N91

51771 WOELFLE, M. Schäden durch borkenkäfer, dürre und hallimasch in den jahren 1946 mit 1950 in Bayern. Allg. Forstz. 6:169-173. Apr. 11, 1951. 99.8 AL52

Fire

51772 AAMODT, E. E. Jeep plow. Fire Control Notes 12(2):32-34. Apr. 1951. 1 F766F1

51773 BAIRD, J. C. Forest fire scoreboard. Fire Control Notes 12(2):8-9. Apr. 1951. 1 F766F1

51774 BUSSCHBACH, E. J. VAN. Investigation of forest fire hazards in America. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 62:68-73. Ref. Mar. 1951. 12 N282

51775 GRACE, H. D. Intensive pre-planning for fire suppression. Fire Control Notes 12(2):37-46. Apr. 1951. 1 F766F1

51776 JAMES, G. S. Management of functional line men on fires. Fire Control Notes 12(2):35-36. Apr. 1951. 1 F766F1

- 51777 JOHNSON, C. E., and THOMAS, L. R. The Polaroid camera in fire control. *Fire Control Notes* 12(2):24-25. Apr. 1951. 1 F766F1
- 51778 MITCHELL, W. Volunteer fire prevention clubs in Oklahoma. *Fire Control Notes* 12(2):26-28. Apr. 1951. 1 F766F1
- 51779 NYGAARD, J. Forest fire insurance in Norway. *J. Forestry* 49:337-338. May 1951. 99.8 F768
- 51780 STEVENSON, S. "Hot shot" crews. *Fire Control Notes* 12(2):29-31. Apr. 1951. 1 F766F1
- 51781 STILLING, F. I. Bulldozers for fire suppression in the mountainous terrain of the Northern Rocky Mountain region. *Fire Control Notes* 12(2):10-18. Apr. 1951. 1 F766F1
- 51782 TUCKER, G. J., and SMITH, J. B. Helicopter use for fire control on the Wallowa Forest. *Fire Control Notes* 12(2):1-4. Apr. 1951. 1 F766F1
- 51783 WEEMAN, R. L. An efficient portable radio airplane antenna. *Fire Control Notes* 12(2):22-23. Apr. 1951. 1 F766F1
- 51784 WILSON, C. C. Fire line feeding by helicopter. *Fire Control Notes* 12(2):5-7. Ref. Apr. 1951. 1 F766F1
- 51785 WOOD, G. V. and SCHOOS, A. H. Plastic balls on radio antenna rods for safety. *Fire Control Notes* 12(2):20-21. Apr. 1951. 1 F766F1

Forest Influences

- 51786 CABRAL DE VASCONCELLOS, P. W. Forests and rainfall. (In Portuguese.) *Rev. de Agr. [Piracicaba]* 26:1-4. Jan./Feb. 1951. 9.2 R324
- 51787 KIRWALD, E. Landespflege durch waldwirtschaft. *Allg. Forstz.* 6:162-163. Apr. 4, 1951. 99.8 AL52
- 51788 STEBBING, E. P. Catchment areas and water supplies. *World Forestry Cong. Proc.* 3(3):7-10. 1949, pub. 1950. 99.9 C76912A
- 51789 STEBBING, E. P. Forest catchment areas and water supplies. II-III. *Indian Forester* 77:90-108, 153-175. Feb.-Mar. 1951. 99.8 In2

FOREST INDUSTRIES

- 51790 BOURUET-AUBERTOT, J. Le commerce et l'industrie du bois. *Marchés Colon.* 7:1181, 1183-1184. Apr. 28, 1951. 286.8 M33
- Ivory Coast.
- 51791 LATHAM, B. A historical survey of the timber trade—3. Rise of the Colonial market. *Wood [London]* 16:101-103. Mar. 1951. 99.82 W855
- 51792 LATHAM, B. A historical survey of the timber trade. 4. Victorian expansion. *Wood [London]* 16:141-143. Apr. 1951. 99.82 W855
- 51793 RENBORG, U. Prices of forest products have increased 60% during half a year. (In Swedish.) *Lantmannen* 35:222, 225. Mar. 10, 1951. 11 L234

Lumbering

- 51794 ARO, P. Co-ordination of distribution of working time and of methods of tool study in forest work studies. *World Forestry Cong. Proc.* 3(3):315-318. 1949, pub. 1950. 99.9 C76912A
- 51795 BELICHENKO, P. P. Potochnyĭ metod raboty v lesu [Assembly line method of work in the forest]. *Moskva, Goslesbumizdat, 1950.* 51 p. 99.76 B412

Lumbering Equipment

- 51796 BESKINE, J. M. Agricultural engineers should study special-purpose forestry equipment. *Agr. Mach. J.* 5(3):29-30. Mar. 1951. 58.8 Ag86
- 51797 GRANVIK, B. A. Simplification of forest work. (In Swedish.) *Lantarbetsgivaren* 1951(1):18-23. (To be cont.) Feb. 1951. 20 L292
- In Finland.
- Logging equipment.
- 51798 KIEKENS, D. With ECA on a visit in the U.S.A. VII. (In Dutch.) *Hout Handel* 3:466-468. Mar. 1, 1951. 99.81 H81
- Logging equipment.
- 51799 LAMP, I. Die neue "Iltis"—axt. *Allg. Forstztg.* 62:40-41. Mar. 1951. 99.8 AL53
- 51800 LEVIN, M. B. Flexible tray equipment for salvaging sinkers in log booms. (In Russian.) *Lesn. Promysh.* 10(10):23-25. Oct. 1950. 99.82 L56
- 51801 MILLER, M. S., RESHETOV, A. V., and TSEKHANOVSKIĬ, A. I. Timiriachev forest enterprise on the way to a complex mechanization of production. (In Russian.) *Lesn. Promysh.* 10(10):15-21. Oct. 1950. 99.82 L56

- 51802 OREL, G. F. TL-3 winches in loading large-size logs. (In Russian.) *Lesn. Promysh.* 10(10):22-23. Oct. 1950. 99.82 L56
- 51803 SCHOEN, P. W. New machinery for harvesting timber. *Prog. Farmer, Tex. Ed.* 66(4):56, 62. Apr. 1951. 6 T311

Logging

- 51804 ERAKHTIN, D. D. Methods for improving the utilization of ice roads in log transportation. (In Russian.) *Lesn. Promysh.* 10(10):7-10. Oct. 1950. 99.82 L56
- 51805 JALAVA, M. Improvement of efficiency in logging. *World Forestry Cong. Proc.* 3(3):322-326. 1949, pub. 1950. 99.9 C76912A
- Finland.
- 51806 KÖNIG, E. Holzschäden und Holzverluste bei der fällung, beim rücken und bei der abfuhr. *Norddeut. Holzwirt.* 5(3):6-7. Jan. 18, 1951. 99.82 N75
- 51807 KOVACSOVICS, K. Neuerungen in der Holzbringung in Österreich. *World Forestry Cong. Proc.* 3(3):330-333. 1949, pub. 1950. 99.9 C76912A
- 51808 LINDGREN, U., and PONTYEN, V. Floating as long-distance transport of timber in Finland. *World Forestry Cong. Proc.* 3(3):327-329. 1949, pub. 1950. 99.9 C76912A
- 51809 SHCHIGIN, M. I. Siava forestry enterprise in the effort of adapting the new technique [in logging]. (In Russian.) *Lesn. Promysh.* 10(10):11-14. Oct. 1950. 99.82 L56
- 51810 SMYTHIES, B. E. Timber extraction in the Third Division, Sarawak. *Empire Forestry Rev.* 30:47-51. Mar. 1951. 99.8 Em72
- 51811 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR ASIA AND THE FAR EAST. AD HOC COMMITTEE OF EXPERTS ON INLAND TRANSPORT. Problems of timber transport. New York, 1950. 11 p. (United Nations [Doc.] E/CN.11/Trans/25) 99.76 Un392

Sawmills

- 51812 BELL, G. E., and MARTIN, P. E. Lumber handling at the rear of the sawmill. *Timber Canada* 11(8):28-31, 54-55. Apr. 1951. 99.81 T487
- 51813 GRAHAM, P. H. There may be metal in them thar peeler bolts. *Veneers & Plywood* 45(5):14-15. May 1951. 99.82 V55
- Metal detection.
- 51814 HORDERN, R. H. Sawmilling practice—3-4. *Wood [London]* 16:112-115, 148-150. Mar.-Apr. 1951. 99.82 W855
- 51815 JACOB, G. R. The conversion of small timber. *Wood [London]* 16:126-129. Apr. 1951. 99.82 W855
- In Great Britain.
- 51816 ORLOV, M. N. Lesopol'nye ramy i ikh ekspluatatsiya [Log frames and their utilization]. *Moskva, Goslesbumizdat, 1950.* 126 p. 99.76 Or52
- 51817 ORLOV, M. N. On frame sawing systems. (In Russian.) *Lesn. Promysh.* 10(10):25-29; (11):22-27. Oct.-Nov. 1950. 99.82 L56
- 51818 SWEET, C. V., and FOBES, E. W. New log studies to aid graders. *Wood [Chicago]* 6(5):22-23. May 1951. 99.82 W859

Processing and Woodworking

- 51819 DUBRUCQ, R. C. Effect of the defense program on the availability of woodworking equipment. (Abs.) *Wood Working Digest* 53:84. May 1951. 99.82 W87
- 51820 FOYSTER, J. R. The woodworking industry and incentives. *Wood [London]* 16:151-153. Apr. 1951. 99.82 W855
- 51821 NEKHAMKIN, N. Proektirovanie predpriyatiĭ stolarnomekhanicheskikh proizvodstv [Planning the enterprises of carpentry mechanical shops]. *Moskva, Goslesbumizdat, 1950.* 373 p. 99.77 N31
- 51822 WYLIE, A. E. Maple dimension study. *Wood [Chicago]* 6(5):19, 34, 37. May 1951. 99.82 W859
- Seasoning, Conditioning and Finishing
- 51823 ANGELL, H. W. Production and use of fire retardant treated lumber. (Abs.) *Wood Working Digest* 53:84. May 1951. 99.82 W87
- 51824 BRYAN, J. The protection of wood against fire. *World Forestry Cong. Proc.* 3(3):372-375. 1949, pub. 1950. 99.9 C76912A
- 51825 GT. BRIT. DEPT. SCIENTIFIC AND INDUSTRIAL RESEARCH. The seasoning properties of exotic timbers. *Gt. Brit. Dept. Sci. and Indus. Res. Forest Prod. Res. Lab. L.* 44(sup. 2), 4 p. Nov. 1950. 99.9 G796L

- 51826 KIEKENS, D. Artificial drying of wood. (In Dutch.) Hout Handel 3:438. Feb.1,1951. 99.81 H81
 51827 TORGESON, O. W., and SMITH, H. S. Furnace-type lumber dry kiln. 2. Wood Working Digest 53(4):67-70,72,74,76,78-85. Apr.1951. 99.82 W87

Wood Preservation and Damage

- 51828 BERNASCO, W. Wood impregnation. (In Dutch.) Econ. Weekbl. v. Indonesië 17:143-146,161-165. Ref. Mar 3-10,1951. 280.8 Ec76
 51829 BLAIR, T. A. Thirty year tie service life expected for the Sante Fe. (Extr.) Cross Tie B. 32(5):18, 20,22. May 1951. 99.82 C87
 51830 FITZGERALD, O. A. More posts for the penta barrel. Idaho Farmer 69:347. May 3,1951. 6 G282
 51831 GURENSEY, F. W. Collapse in western red cedar [Thuja plicata]. Brit. Columbia Lumberman 35(4):44-45,82. Apr.1951. 99.81 B77
 51832 RAUH, G. Denkt rechtzeitig an die koppelein-zäunung! Allgäuer Bauernbl. 19:158-159. Mar.22,1951. 18 AL53

- Preservation of wooden fence posts.
 51833 SPRANGERS, A. A. C. On the use of wood preservatives. II. (In Dutch.) Hout Handel 3:465. Mar.1, 1951. 99.81 H81
 51834 SUOLAHTI, O. Review of the development of timber preservation in Finland. World Forestry Cong. Proc. 3(3):376-377. 1949,pub.1950. 99.9 C76912A
 51835 U. S. FOREST SERV. Preliminary wood preservation statistics, by H. B. Steer. Washington?1951. 19 p. 1.962 F4P912
 51836 VARNER, R. W., and KRAUSE, R. L. Agar-block and soil-block methods for testing wood preservatives. Indus. & Engin. Chem. 43:1102-1107. Ref. May 1951. 381 J825

FOREST PRODUCTS

Lumber and Rough Products

- 51837 CLINCH, F. A. Value of ash has long been recognized; lumber from this tree has variety of sturdy uses Farm & Gard. [Watertown] 1951:5. Mar.17,1951. 6 F234
 51838 DAYE, V. L. Pitprops stage comeback; the jack pine pitprop export business now appears to have a bright future as British miners like the crying timber. Family Herald & Wk. Star 82(16):7,17. Apr.19,1951. 7 F21
 51839 JOHNSON, B. N. Cross tie and lumber prices, 1946-1951. Cross Tie B. 32(4):9-17. Apr.1951. 99.82 C87
 51840 LAKHTANOV, G. S. For a rational utilization of fuelwood. (In Russian.) Lesn. Promysh. 10(10):4-6. Oct.1950. 99.82 L56
 51841 1951 DEALER. Amer. Lumberman & Bldg. Prod. Merchandiser 3462,670 p. Apr.7,1951. 99.81 Am3
 51842 OLSON, E. A. Farmers look to you for the answers; some practical results of three-way cooperation in Nebraska among lumber dealers, county agents and farmers. Amer. Lumberman & Bldg. Prod. Merchandiser 3464:72-73,118,120. May 5,1951. 99.81 Am3
 51843 WARD, J. D. U. Shingling: the decline of a craft. Country Life [London] 109:316-318. Feb.2,1951. 80 C83

Building Construction

- 51844 BEEKMAN, W. B. Wooden foundations through the ages. (In Dutch.) Hout Handel 3:433-434. Feb.1,1951. 99.81 H81
 51845 BROWN, T. A. The manufacture of wooden details by split-block construction. Wood [London] 16:92-93. Mar.1951. 99.82 W855
 51846 GLASS, J. B. Modern design in timber and its usage at the Festival of Britain. Empire Forestry Rev. 30:22-24. Mar.1951. 99.8 Em72
 51847 KUENZEL, J. G. Military marine wood usage; marine laminating. (Abs.) Wood Working Digest 53:84. May 1951. 99.82 W87
 51848 MAHAFFY, R. U. Laminated timbers sub for steel. Canada Lumberman 71(5):82-83,144. May 1951. 99.81 C16
 51849 MASANI, N. J. Simple calculations in the design of forest bridges of stock spans of 15, 20, 30 and 40 feet. V-Vb. Indian Forester 77:130-148,192-205. Feb.-Mar.1951. 99.8 In2
 51850 RINKINEN, O. Prefabricated wooden house production in Finland. World Forestry Cong. Proc. 3(3):334-336. 1949,pub.1950. 99.9 C76912A
 51851 STROKIRK, E. Economy in the use of timber for housing purposes. Lake Success?1951. 29 p. (United Nations. [Doc.] E/ECE/124; E/ECE/TIM/36) 99.79 St8
 Sweden.

Veneers, Plywood and Adhesives

- 51852 ARMSTRONG, J. B. The Oregon pine plywood industry in 1950. (In Dutch.) Hout Handel 3:419-421. Jan.25,1951. 99.81 H81
 British Columbia.
 51853 BAILEY, N. Veneer and plywood.VII. Wood Working Digest 53:153-156. May 1951. 99.82 W87
 51854 BENE, J. Douglas fir substitutes for the British Columbia plywood industry. Wood Working Digest 53(4):131-132,137-138,140,142. Apr.1951. 99.82 W87
 51855 BENE, J. G. Problems facing the plywood industry. Forestry Chron. 27:58-63. Mar.1951. 99.8 F7623
 51856 CABRAL, P. A. Plywood in Brazil and Argentina. (In Dutch.) Hout Handel 3:422-423. Jan.25,1951. 99.81 H81
 51857 DICKINSON, T. A. Unusual cores for plywood. Wood Working Digest 53:129-130,132,134,136. May 1951. 99.82 W87
 51858 DIXON, H. F. The story of wood adhesives. Brit. Columbia Lumberman 35(4):116,118,120,122,124,126. (Cont.) Apr.1951. 99.81 B77
 51859 ENTER Georgia-Pacific; a smart southern lumber company is now the No. 1 producer of Douglas-fir plywood. Fortune 43:99-101,182,184,186-188. May 1951. 110 F772
 51860 GALBER, H. The story of glue. 4-5. Veneers & Plywood 45(4):22;(5):22. Apr.-May 1951. 99.82 V55
 51861 GRUITER, C. T. R. DE. The veneer and plywood industry in the Netherlands. (In Dutch.) Hout Handel 3:410-412. Jan.25,1951. 99.81 H81
 51862 HYLER, J. E. High-density plywood production described. Veneers & Plywood 45(5):26,28. May 1951. 99.82 V55
 51863 HYLER, J. E. Plywood stockpile methods affect finished product. Veneers & Plywood 45(4):38-41. Apr.1951. 99.82 V55
 51864 NILSSON, N. F. The Swedish plywood industry. (In Dutch.) Hout Handel 3:416-417. Jan.25,1951. 99.81 H81
 51865 PERRY, T. D. Curves from flat plywood. Wood Prod. 56(4):29-33. Apr.1951. 99.82 W856
 51866 PERRY, T. D. Gluing technique for wood. IV-V. Wood Working Digest 53(4):51-54,56,60,62,64;(5):139-142,144,146,148,150. Apr.-May 1951. 99.82 W87
 51867 SAKS, E. V. Peeler bolt waste can be reduced. Veneers & Plywood 45(4):30,32. Apr.1951. 99.82 V55
 51868 SNELLMAN, J. W. The plywood industry in Finland. (In Dutch.) Hout Handel 3:414-415. Jan.25,1951. 99.81 H81
 51869 WATSON, A. J., and HIGGINS, H. G. Suitability of Australian timbers for veneer. Austral. Commonwealth Sci. & Indus. Res. Organ. B. 260,23 p. 1950. 514 Au72B
 51870 WIESE, H. The plywood industry in West Germany. (In Dutch.) Hout Handel 3:417-418. Jan.25,1951. 99.81 H81
 51871 YAVORSKY, J. M. Research in electronic wood gluing. (Abs.) Wood Working Digest 53:84. May 1951. 99.82 W87

Furniture

- 51872 KANO, Y. Kagu no jitsuyo kosaku-ho [Practical methods of furniture-making]. Tokyo,Sankyo Shuppan, 1950. 357 p. 309 K13

Containers

- 51873 LATHROP, E. C., NAFFZIGER, T. R., and STIVERS, E. R. Boxboard from wheat straw to replace wood veneer in wire-bound shipping containers. Tappi 34:145-152. Apr.1951. 302.8 T162
 51874 WAGNER, J. B. Steaming and windlassing barrels; effective steaming is important to economy of operation and to quality in the tight barrel. Barrel & Box & Packages 56(4):6-8. Apr.1951. 99.82 B27

Pulp and Paper

- 51875 ARONOVSKY, S. I., and NELSON, G. H. Mechano-chemical process—rate of delignification. Tappi 34:216-222. May 1951. 302.8 T162
 51876 BLACK, R. U. S. presses can rely on Canada. Amer. Forests 57(5):14,36-37,44. May 1951. 99.8 F762
 Pulpwood.
 51877 GIERTZ, H. W. Developments in bleaching processes. Tappi 34:209-215. Ref. May 1951. 302.8 T162

- 51878 HALLE, P., and VESANTO, A. A new kraft liner board mill in Finland. Paper Mill News 74(13):12-13,17. Mar.31,1951. 302.8 P195
- 51879 KENDALL, L. E. Mechanical pulp. Brit. Paper & Bd. Makers' Assoc. Tech. Sect. Proc. 31:29-35. Feb.1950. 302.9 P193
- 51880 MCEWEN, R. L., SHELDON, F. R., and NELSON, D. H. Hydrogen peroxide bleaching of chemical and mechanical pulps; new developments and process applications. Tappi 34:193-201. Ref. May 1951. 302.8 T162
- 51881 NARITA, K. Shigyo teiyo [Handbook for paper manufacture]. Tokyo, Maruzen Shuppan, 1950. 365 p. 302 N16
- 51882 PÉCHOUTRE, J. L'industrie de la cellulose et la valorisation de la forêt tropicale. Marchés Colon. 7: 1219-1220. Apr.28,1951. 286.8 M33 Ivory Coast.
- 51883 SHELDON, F. R. Groundwood bleaching variables, a statistical approach. Tappi 34:163-166. Apr.1951. 302.8 T162
- 51884 UDA, N. Parupu oyobi seishi kogyo jikken-ho [Method of experimentation for the pulp and paper industry]. Ed. 2. Tokyo, Kyoritsu Shuppan, 1950. 696 p. 302 Udi
- 51885 VANDERWALLE, R. Application du test optique à l'étude de pâtes mécaniques de bois altérées. Parasitica 6:14-20. 1950. 464.8 P21
- 51886 VANDERWALLE, R. Une méthode optique pour la détection des altérations cryptogamiques internes des pâtes à papier. Parasitica 6:1-7. 1950. 464.8 P21
- 51887 WITTS, A. C. G. The load control of wood grinders. Brit. Paper & Bd. Makers' Assoc. Tech. Sect. Proc. 31:37-74. Feb.1950. 302.9 P193

Chemical Products and Distillates

- 51888 BATZER, H. Sulficelluloseablauge als extraktionshilfsmittel bei der fichtenrindeextrakterstellung. Ledertech. Rundschau 3(1/2):8-12. Ref. 1951. 303.8 L49
- 51889 DUNCAN, D. B., and MARTIN, P. J. Note on the effect of various factors on tannin content in native populations of black wattle. Soc. Leather Trades' Chem. J. 35:54-56. Feb.1951. 303.9 S012
- 51890 HELLSTRÖM, N. On distillates from fir stumps. III. Investigation of rosin acids. Sweden. Tek. Högsk. Handl. 40,43 p. Stockholm, 1950. 301 H36
- 51891 LIPSITZ, P., and LOLLAR, R. M. The improvement of the tanning potential of lignin by chemical modifications. Amer. Leather Chem. Assoc. J. 46:301-317. Ref. May 1951. 303.9 Am32
- 51892 NYBERGH, B. Development of chemical forest products industries. World Forestry Cong. Proc. 3(3):364. 1949, pub.1950. 99.9 C76912A
- 51893 SARKAR, P. K. Babul-Northern India's tannin asset; Acacia arabica, babul, bablah, kikar, etc. Leather Trades' Rev. 100:17-18. Apr.4,1951. 303.8 L48

Naval Stores

- 51894 GIORDANO, G., and MESSERI, A. Contribution à l'étude des caractéristiques du bois des pins soumis au gemmage. World Forestry Cong. Proc. 3(3):351-355. 1949, pub.1950. 99.9 C76912A
- 51895 OUDIN, A. Activation chimique de la production résinière. World Forestry Cong. Proc. 3(3):356-357. 1949, pub.1950. 99.9 C76912A
- 51896 PHILIPPIS, A. D., and CRIVELLARI, D. The effects of resin extraction on Italian pines. (In Italian.) World Forestry Cong. Proc. 3(3):344-350. 1949, pub.1950. 99.9 C76912A
- 51897 SHINGLER, G. P. Education of the gum farmer. Nav. Stores Rev. 61(4):18,25-27. Apr.28,1951. 99.81 N22
- 51898 SHINGLER, G. P. Training in naval stores technology. Nav. Stores Rev. 60(53):14,24-28. Mar.31, 1951. 99.81 N22
- 51899 SUMMERS, H. B., JR., and WAITE, E. P. Improved filtering process developed for gum naval stores processing. Nav. Stores Rev. 60(53):12-13. Mar. 31,1951. 99.81 N22
- 51900 SZERBAKOW, K. Development of resining in Poland and improving methods of collecting pine and spruce resin from standing trees. (In Russian.) World Forestry Cong. Proc. 3(3):358-363. 1949, pub.1950. 99.9 C76912A
- English summary.
- 51901 TROBAUGH, T. The ponderosa pine of Arizona, it's a source of wood naval stores. Nav. Stores Rev. 60(53):16-17. Mar.31,1951. 99.81 N22

Other Forest Products

- 51902 ANDRADE, A. B. DE. A course on the use of cork for heat and sound insulation. 7. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 13:33-41. Dec.1950. 309.9 J96
- 51903 BOOTH, D. R. P. Uses of laminated wood in the textile industry. (Abs.) Textile Mfr. 77:162. Apr. 1951. 304.8 T3126
- 51904 BOSE, T. N. Use of bamboo as reinforcement in cement concrete. Organ. Sci. Res. Indonesia. O. S. R. News 3:5-6. Jan.1951. 330.9 Or3Ae
- 51905 CRANSTON, A. E. Utilizing waste lumber. Wood Working Digest 53(4):43-46,48. Apr.1951. 99.82 W87
- 51906 GRAHAM, P. How to use chippers profitably. L. Wood [Chicago] 6(5):17-18. May 1951. 99.82 W859
- 51907 METEER, J. W. Wood waste in Ohio. Ohio. Agr. Expt. Sta. Res. B. 698,29 p. Jan.1951. 100 Oh3S
- 51908 MEXIA, J. N. Cork in the Portuguese economy. (In Portuguese.) Com. Portug. 39/40:69-70. June 1950. 286.8 C7332
- 51909 ORANSKIĬ, N. I. In regard to the chemical composition of Amurian velvet tree [Gynura] cork. (In Russian.) Zhur. Prikl. Khim. 23:1345-1348. Ref. Dec. 1950. 385 Z64
- 51910 SHAW, J. Parquetry flooring has been greatly simplified. Veneers & Plywood 45(5):34-36. May 1951. 99.82 V55
- 51911 SIIMES, F. E. Waste wood problem in the mechanical wood converting industry of Finland. World Forestry Cong. Proc. 3(3):337-343. 1949, pub.1950. 99.9 C76912A

WOOD TECHNOLOGY

- 51912 BAILEY, N. Know your wood; cypress (Taxodium distichum). Wood Working Digest 53:95-98. May 1951. 99.82 W87
- 51913 BAILEY, N. Know your wood: oak. Wood Working Digest 53(4):89-92. Apr.1951. 99.82 W87
- 51914 BERKEL, A. Untersuchungen über die technischen eigenschaften und verwendung des libanonzedernholzes (Cedrus libanotica). World Forestry Cong. Proc. 3(3):365-371. 1949, pub.1950. 99.9 C76912A
- 51915 BERLIN, A. A. Issledovanie i v oblasti khimii i tekhnologii oblagorozhnenoi drevesiny i drevesnykh plasticheskikh mass [Investigations in the field of chemistry and technology of improved wood and wood plastics]. Moskva, Goslesbumizdat, 1950. 172 p. 99.79 B452
- 51916 FARMER, R. H., and CAMPBELL, W. G. The composition and origin of a crystalline deposit in iroko wood (Chlorophora excelsa Benth. and Hook f.). Empire Forestry Rev. 30:64-65. Mar.1951. 99.8 Em72
- 51917 FEEST, F. Die holzforschung. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949: 316-324. 1950. 19 Au72J
- 51918 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH LABORATORY. The preparation of wood for microscopic examination. Gt. Brit. Dept. Sci. & Indus. Res. Forest Prod. Lab. L. 40, rev., 8 p. Feb.1951. 99.9 G796L
- 51919 LAMB, G. N. Foreign woods; origin, use, properties and nomenclature. Wood Prod. 56(4):24-25. Apr.1951. 99.82 W856
- 51920 ODINTSOV, I. N., KAL'NINA, V. K., and PUTNYNĀ, M. E. Hydrolysis of wood with concentrated sulfuric acid and simultaneous production of precipitate. (In Russian.) Latv. PSR Zinātņu Akad. Vēst. 2:117-122. 1950. 511 R442
- 51921 ODINTSOV, P. N., and BEINART, I. I. In regard to fir wood hydrolysis with a 75 percent concentration of sulfuric acid. (In Russian.) Latv. PSR Zinātņu Akad. Vēst. 2:107-116. 1950. 511 R442
- 51922 RODDIS PLYWOOD CORPORATION. Characteristics of modern woods. Ed. 3. Marshfield, Wis., 1950. 54 p. 99.79 R61
- 51923 SCHÖBER, R. Zum jahreszeitlichen ablauf des sekundären dickenwachstums. Allg. Forst- u. Jagdztg. 122:81-96. Ref. Feb.1951. 99.8 AL3
- 51924 SCHUBERT, W. J. Studies on softwood lignin and the mechanism of lignification. (Abs.) Fordham U. Diss. 17:36-37. 1950. 241.8 F75
- 51925 WISE, L. E., RITTENHOUSE, R. C., and GARCIA, C. Chemical composition of eight tropical woods as indicated by proximate analysis. Tappi 34: 185-188. Apr.1951. 302.8 T162

Properties and Structure

- 51926 ARMSTRONG, F. H. Resistance to wear of kwao [*Adina cordifolia*] as flooring. Wood [London] 16: 90-91. Mar.1951. 99.82 W855
- 51927 ARMSTRONG, F. H. Resistance to wear of muhimbi [*Cynometra alexandri*] as flooring. Wood [London] 16:130-131. Apr.1951. 99.82 W855
- 51928 BURNHAM, K. D. White cedar lasts longer. N. Y. State Conserv. 5(5):24-25. Apr./May 1951. 279.8 N48
- 51929 DADSWELL, H. E., and INGLE, H. D. Wood anatomy in the genus *Eucalyptopsis* White. Arnold Arboretum. J. 32:150-151. Apr.1951. 451 Ar6J
- 51930 MARKWARDT, L. J. Forest products research clinic. Problem No. 4-5. Wood-Worker 70(2): 38;(3):42,44. Apr.-May 1951. Madison Br. Libr.
4. How does temperature affect the strength of wood?
5. Considering wood for engineering uses, what basic facts must be understood?
- 51931 SEN, J. On structural variation in conifer wood. Science 113:528. May 4,1951. 470 Sci2

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 51932 BAADE. Die bedeutung der lehre Mitschurins für die tierzucht. Tierzüchter 3:86-88. Feb.20,1951. 49 T445
- 51933 BASSI, C. Artificial insemination of animals. (In Italian.) Campagna 50:22-23. Feb.15/28,1951. 16 C152
- 51934 BOLLE. Wie steht es mit der "gesundheit" als zuchtziel in unseren landestierzuchten? Tierzüchter 3:94-96. (To be cont.) Feb.20,1951. 49 T445 Germany.
- 51935 BONADONNA, T. Aspects of the "technical" organization of breeders and its aims. (In Italian.) Zootec. e Vet. 6:141-156. (Cont.) Mar.1951. 41.8 Z7
- 51936 BONADONNA, T. New aspects concerning dilution and storing of semen. (In Italian.) Zootec. e Vet. 6:201-202. Mar.1951. 41.8 Z7
- 51937 GALLIEN, L. La sélection animale. Ed. 2. Paris, Presses Universitaires de France, 1950. 126 p. ("Que Sais-je?" Le Point des Connaissances Actuelles, 215) 443 G13
- 51938 JOHANSSON, I. Hybridization in livestock breeding. (In Swedish.) Ladugården 1951:17-20. Jan. 1951. 44.8 L12
- 51939 KOLLER, R. Die künstliche befruchtung der haustiere, insbesondere der rinder in Österreich. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949:228-230. 1950. 19 Au72J
- 51940 LAWRENCE, J. M., and HUDDLESTON, N. American livestock biographies. Sacramento, Calif., 1951. 393 p. 40 L432
- Breed descriptions of horses, cattle, goats, sheep, and swine.
- 51941 MESSERSCHMIDT, Verona und die italienische tierzucht. Tierzüchter 3:226-227. Apr.20,1951. 49 T445
- 51942 ONORE, S. DALL'. A practical method of semen refrigeration. (In Italian.) Zootec. e Vet. 6:199-200. Mar.1951. 41.8 Z7
- 51943 ÖSTERMAN, M. Change of the debit procedure can decrease cost of artificial insemination. (In Swedish.) Ladugården 1951:35-38. Feb.1951. 44.8 L12
- 51944 PHILLIPS, R. W. Estudios genéticos y su aplicación en el mejoramiento de la ganadería. Turrialba 1: 135-139. Jan.1951. 8 T86
- English summary.
- 51945 RINGLER. Die hauptkörnungen 1951 im Landkreises Mindelheim. Allgäuer Bauernbl. 19:202-203. Apr.12,1951. 18 AL53
- 51946 SINGH, S. D. Livestock breeding. Indian Farming 11:177-178. May 1950. 22 In283
- 51947 STEGENGA, T. The situation with regard to artificial insemination in the Netherlands. (In Dutch.) Landbode 5(16):3. Apr.21,1951. 12 L234
- 51948 THERET, M. Représentation graphique des familles et des pedigrees. Rec. de Méd. Vét. 127:40-44. Jan.1951. 41.8 R24
- 51949 WATSON, I. Breeding for high efficiency is new livestock 'frontier.' N. Mex. Agr. Col. Ext. News 31(3):5. Mar.1951. 275.29 N463Ex
- 51950 WINTERS, L. M. What do they mean? Inbred, crossbred, hybrid, in-cross. Minn. Farm & Home Sci. [Minn. Sta.] 8(2):11. Feb.1951. 100 M668
- 51951 WOLFF, W. Körnungen müssen aufklärend und belehrend gestaltet werden. Deut. Landwirt. 2:191-192. Apr.1951. 18 D4822

FEEDS AND FEEDING

- 51952 ABRAHAMSON, P. E. R. Profitable livestock gains require balanced rations. Gleaner 5(2):5. Feb. 1951. 6 G472
- 51953 ALONG the nutritional front: how do antibiotics stimulate growth. Poultry Comment 8(2):4. Mar.1951. 47.8 D92
- 51954 ARMSTRONG, R. H. Amino-acids in the proteins of herbage. J. Sci. Food & Agr. 2:166-170. Ref. Apr.1951. 382 So12
- 51955 AXELSSON, J. Practical results of silage methods. (In Swedish.) Ladugården 1951:42-47. Feb. 1951. 44.8 L12
- 51956 BECKMAN, H. J. Plant a supplement—high grain prices make green feed an economical substitute this year. West. Livestock J. 29(27):126-127. Apr.15, 1951. 6 F2278
- 51957 BENDER, C. B. Grass silage gains in stature. Crops & Soils 3(7):27. Apr./May 1951. 6 W55
- 51958 BERTSCH, M. Balanced rations; wise feeding gets you better results and saves you money. Prairie Farmer, Gen. Ed. 123(6):5. Mar.17,1951. 6 P883
- 51959 BLOSSER, T. H., and SCHNEIDER, B. H. Feed utilization as affected by pellets, mash or chopped feeds. Feedstuffs 23(18):22-24,69. May 5,1951. 286.81 F322
- Dairy cattle, swine, and beef cattle.
- 51960 BONADONNA, T. Courses at Milan on the feeding of livestock. (In Italian.) Agr. Ital. 2:124-126. Mar.1,1951. 16 Ag822
- 51961 BREIREM, K. Norwegian experiments and experiences with ensilage. (In Norwegian.) Landbruks-tidende 57:183-187. Mar.7,1951. 11 L236
- 51962 BRÉTIGNIÈRE. L'ensilage des fourrages verts. Acad. d'Agr. de France. Compt. Rend. 37:123-128. Feb.7/14,1951. 14 P215Bc
- Includes discussion.
- 51963 BRÜGGEMANN, H. Beobachtungen bei weidetieren. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A: 627-628. Apr.26,1951. 18 L2346
- Types of forage preferred by various kinds of grazing animals.
- 51964 CABRAS, F. Olive leaves and branches in livestock feeding. (In Italian.) Agr. Tosc. 6:98-100. Mar.1951. 16 Ag827
- 51965 CARBALLO CAABEIRO, J. Levaduras alimenticias. Ganadería [Madrid] 9:9-11. Jan.1951. 49 G15
- 51966 CASA PACHECO, MARQUÉS DE. Alimentos para los animales de renta fáciles de lograr. Ganadería [Madrid] 8:681. Nov.1950. 49 G15
- 51967 CHILD, R. B. "Silage king" Rex Paterson; how an English dairyman puts "down" 10,000 tons of grass silage annually. Hoard's Dairyman 96:341,356. Apr.25,1951. 44.8 H65
- 51968 CORRIE, F. E. Feeding farm animals. 39-40. Grassland. Fert. Feed. Stuffs & Farm Supplies J. 37: 250-252,281-283. Apr.18-May 2,1951. 57.8 F413
- 51969 CRAMPTON, E. W., and others. The apparent digestibility of essentially similar diets by rats, guinea pigs, sheep, swine and by human subjects. J. Nutr. 43: 541-550. Apr.10,1951. 389.8 J82
- M. I. Irwin, L. E. Lloyd, and H. R. Neilson, joint authors.
- 51970 CRAVENS, W. W. Vitamins help build balanced feeds. Feed Bag Red Book 1951:9-10,12,14,16,19-20. 389.78 F322
- 51971 DAVIDSON, W. M., FINLAYSON, M. M., and WATSON, C. J. The stability of various iodine compounds in salt blocks. Sci. Agr. 31:148-151. Apr.1951. 7 Sci2
- Includes feeding to livestock.
- 51972 EBERLI, O. Rationelle winterfütterung durch ermittlung der kraftfuttergaben. Ed. 5. Frauenfeld, Schweizerischer Verbande der Lehrer an Landwirtschaftlichen Schulen und der Ingenieur-Agronomen, 1950. 2 p. 389.7 Eb3
- 51973 EHRENBERG, P. Nutzen und schaden des viehsalzes für boden, pflanzen und tiere. Allgäuer Bauernbl. 19:201-202. Apr.12,1951. 18 AL53
- 51974 ENGELHARD, J. L'évolution des silos a fourrages. Paysan Franç. 26(399):16-17. Mar.1951. 14 P29
- Silage preparation.

- 51975 FERRIN, E. F. A livestock feeding program for southern Minnesota. Corn Belt Livestock Feeder 3(7):6-7. Apr.1951. 280.38 C81
- 51976 FOUQUET, A. Il faut étendre la pratique de l'ensilage dans Le Perche. Défense Agr. de la Beauce et du Perche 48:179. Apr.28,1951. 14 D36
- 51977 GARRIGUS, W. P. Digestibility studies with distillers grains with solubles. Distillers Feed Conf. Proc. 6:24-26. 1951. 389.79 C765
- 51978 GONZÁLEZ, A. D. La influencia de los pastos en la producción cárnica y láctea. Ganadería [Madrid] 8:678-680. Nov.1950. 49 G15
- 51979 GRAHAM, W. R., JR. The use of thyroxine-like products in animal feeding. Sowest. Vet. 4(2):14-15. Jan.1951. 41.8 So82
Synthetic thyroprotein.
- 51980 HASTINGS, W. H. Feed protein supplements from fishery products. Feedstuffs 23(18):52-54. May 5, 1951. 286.81 F322
- 51981 HEINZL, O. Die bewertung der futtermittel nach stärke-einheiten und nach verdaulichem eiweiss. Grüne 79:42-47,99-104. Jan.12,26,1951. 17 Sch9
- 51982 HOFFMANN, R. Viehhaltung und futtererzeugung bezogen auf die landwirtschaftliche nutzfläche. Kühn-Arch. 63:15-39. 1950. 105.8 H15Ku
Germany.
- 51983 HUFFMAN, C. F. Ruminant nutrition—a romantic story. Feed Bag Red Book 1951:49-52,54. 389.78 F322
- 51984 HUGHES, J. S., and SANFORD, P. E. Antibiotics in animal nutrition. Kans. State Bd. Agr. Rpt. 69(299):3-5. Oct.1950. 2 K13Re
- 51985 KIRSCH, W. Archivmässige erfassung und auswertung von futterwertbestimmungen. Kieler Milchwirt. Forschber. 2:199-201. 1950. 44.9 K542
- 51986 LOMA, J. L. DE LA. El ensilado vertical de los forrajes verdes. II. Tierra [México] 6:154-156,187. Mar.1951. 8 T445
- 51987 LOOSLI, J. K. Amino acids needed by all animals. Feed Bag Red Book 1951:163-164,166. 389.78 F322
- 51988 LÓPEZ PALAZON, J. El algarrobo y su fruto la garrofa. Ganadería [Madrid] 9:3-5. Jan.1951. 49 G15
Livestock feed.
- 51989 MANN, D. H. Ogden feed yard turns feed to meat. Utah Farmer 71:314,359. Apr.19,1951. 6 D45
- 51990 MAYNARD, E. J. Observations on utilization of sugar beet tops by livestock. Amer. Soc. Sugar Beet Technol. Proc. 6:716-718. 1950. 66.9 Am35
- 51991 MERCER, A. D. Stack silage in Tallevu. Fiji. Dept. Agr. Agr. J. 21:9-10. Mar./June 1950. 25 F47Ag
- 51992 MONTAVON, P. A. Our 14 years with grass silage. Hoard's Dairyman 96:379,412-413. May 10,1951. 44.8 H65
Preparation and feeding.
- 51993 NADEAU, J. D. Etude clinique des carences alimentaires chez les oiseaux et les mammifères. Canad. J. Compar. Med. 15:77-85. Apr.1951. 41.8 C162
- 51994 NORDFELDT, S., and others. Studies of Napier grass [Pennisetum purpureum]. I. Nutritive values; II. Optimum feeding level. Hawaii. Agr. Expt. Sta. Tech. B. 12,8 p. Mar.1951. 100 H313T
I. Iwanaga, A. K. S. Tom, and L. A. Henke. Joint authors.
- 51995 NORRIS, L. C. Some new nutritional interrelationships having practical implications. Distillers Feed Conf. Proc. 6:50-60. Ref. 1951. 389.79 C765
- 51996 PEELER, H. T. Nutritional value of milk by-products in animal feeds. Feedstuffs 23(17):46-50. Apr.28,1951. 286.81 F322
- 51997 PEIXOTO, A. M. Fermentation in silage. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:5-12. Ref. Jan./Feb.1951. 9.2 R324
- 51998 PERUCHON, J. L'avoine germée, avantages et inconvénients. Paysan Franç. 26(399):8-9. Mar.1951. 14 P29
Value as feed.
Also in Voix des Colons 33(1601):1-2. Mar.26,1951. 24 V85
- 51999 PETERSEN, H. Ensilering af fisk og fiskeaffald (Ensilaging of fish and fish waste). Denmark. Fiskerimin. Forsøgslab. Meddel. 95,12 p. Mar.1951. 414.9 D41
English summary.
- 52000 PRAKHIN, M. E. Industrial experiment in production and utilization of lupine from which bitterness was removed [for feed]. (In Russian.) Vsesoyuzn. Nauch. Issled. Inst. Zhivotn. Trudy 18:262-272. Ref. 1950. 49.9 R92
- 52001 RENZ, F. Zuviel eiweiss in der futterration? Allgäuer Bauernbl. 19:177-178. Mar.29,1951. 18 AL53
- 52002 RICHTER, K. Praktische viehfütterung. Ed. 26. Stuttgart, Ulmer, 1950. 79 p. (Tierzuchtbücherei) 389.7 R41
- 52003 SCHADE, C. H. Genormte futtermenge. Darmstadt, Justus von Liebig Verlag, 1950. 19 p. 389.7 Sch12
- 52004 SCHREIBER, R. Kleines handbuch der gärfuttermbereitung. Radebeul, Neumann, 1950. 120 p. 60.7 Sch7
- 52005 SIEVERT, C. W., and FAIRBANKS, B. W. How to build formulas. Feed Bag Red Book 1951:176-178,180. 389.78 F322
- 52006 SIEVERT, C. W. How to take the headaches out and put the science in local feed mixing. Hatchery & Feed 25(5):14,60-62. May 1951. 47.8 H28
- 52007 SIEVERT, C. W., and FAIRBANKS, B. W. Summary of vitamins required by farm animals. Feed Bag Red Book 1951:182-185. 389.78 F322
- 52008 STEENBERG, V. Silage and different forms of silos. In Conference on Grassland Improvement, Paris, 1950. Farm advisory methods for grassland improvement. Proceedings, p.73-93. Ref. Paris, Organ. European Econ. Co-op., 1950. 60.19 C762
Includes discussion.
- 52009 STOUT, R. W. Pasture utilization. Ky. Farmer 87(2):32-36. Feb.1951. 6 F2237
- 52010 TELLIEZ, J. Ne négligez-vous pas l'alimentation minérale de votre bétail et des animaux de basse-cour? Tarn-et-Garonne Agr. 14:42-43. Mar.1951. 14 T17
- 52011 TYLER, C. Animal nutrition. London, Chapman & Hall, 1950. 216 p. (Frontiers Sci. Ser.) 389.7 T97
- 52012 USUELLI, F. Recent research on the relation between nutrition and reproduction. V-VI. (In Italian.) Riv. di Zootec. 23:379-383;24:6-11. Dec.1950-Jan.1951. 49 R52
Variations in vitamin content.
- 52013 WALTHOFF, P. J. L'ensilage de l'herbe. Annu. Agr. et Hort. (1950/51):3:26-33. 1951. 13 An7
- 52014 WATSON, SIR J. A. S. Discovery. III. Trace elements. Young Farmer 19:9-10. Jan./Feb.1951. 10 Y8
In animal and plant nutrition.

VETERINARY MEDICINE

- 52015 ANDERSON, E. E. USDA experiments show mastitis can be cured. N. Mex. Agr. Col. Ext. News 31(3):4. Mar.1951. 275.29 N463Ex
- 52016 ARIES, L. Die sulfonamid-pepkapseln. Tierärztl. Umschau 6:129-131. Apr.1951. 41.8 T445
Preparation used in veterinary obstetrics.
- 52017 ARMISTEAD, W. W. Mechanical factors affecting the healing of surgical wounds. Iowa State Col. Vet. 13:73-76. 1951. 41.8 V6425
- 52018 BABÍK, J. The castration of cryptorchides. (In Czech.) Časopis Českoslov. Vet. 5:619-620. Dec.25, 1950. 41.8 C27
- 52019 BARRON, N. S. Animal diseases communicable to man. Meat Trades' J. 142:224,226. Apr.26,1951. 50.8 M46
- 52020 BONSMANN, M. R., and WIESNER, E. Über serumelweiss-bestimmungen bei mensch und tier und ihre bedeutung für die veterinärmedizin. Berlin. u. Münch. Tierärztl. Wehnschr. 1951:54-55. Ref. Mar. 1951. 41.8 B45
- 52021 BORZONI, G. Epizootic foot and mouth disease. (In Italian.) Agr. Romagn. 7:1. (To be cont.) Apr.5, 1951. 16 Ag828
- 52022 BOSGRA, O. Brucella abortus strain 19 vaccine dried in a frozen condition. (In Dutch.) Tijdschr. v. Diergeneesk. 76:281-294. Ref. Apr.15,1951. 41.8 T431
English summary.
- 52023 BRIGATTI, C. A suction and pressure pump, Brigatti-Montarsino, for veterinary use. (In Italian.) Zootec. e Vet. 6:89-96. Feb.1951. 41.8 Z7
- 52024 BRUDNJAK, Z. Etude du comportement du virus aphteux lors des filtrations sur amiante. Schweiz. Arch. f. Tierheilk. 93:193-207. Ref. Mar.1951. 41.8 Sch9
English summary.
- 52025 BUNGE, R. C. Student assistants. Iowa Vet. 22(3):16-18,20. May/June 1951. 41.8 Io9
- 52026 BURKHART, R. L. Aureomycin therapy in veterinary medicine. No. Amer. Vet. 32:238-242. Ref. Apr.1951. 41.8 N812
- 52027 CABRERA, R. Enfermedades del colágeno. Veterinaria 15:215-221. Mar.1951. 41.8 V6429

- 52028 CAMENZIND, T., and others. Geburten im stall; tr chtigkeit und geburt bei rind, pferd, schwein, schaf und ziege nebst pflege und behandlung der mutter-tiere und der jungen gesch pfe nach der geburt sowie die zweckm ssige aufzucht bis zur entw hnung. Ed. 3, by F. Andrist. Bern, Buchverlag Verbandsdruckerei, 1950. 100 p. 41 C14
- W. Engeler, H. Chavannes, Dr. Dillner, F. Andrist, and J. Muggli, joint authors.
- 52029 CARRETERO, F. La rabia. Manab , Ecuador. Consorcio de Cent. Agr. B. 12(64):11-13. Oct./Dec. 1950. 9.5 M31
- 52030 CHILDS, T. Control and eradication of disease. Canad. Cattlemen 14(3):16-17, 44-45. Mar. 1951. 49 C16
- 52031 CHIVERS, C. H. Aureomycin therapy. Iowa State Col. Vet. 13:71-72. 1951. 41.8 V6425
- 52032 COLLIER, S. G. Saving food losses through healthy estock. Indian Farming 11:212-213. May 1950. 22 In283
- 52033 CONCELL N, A. Nuevos m todos terap uticos aplicables en medicina veterinaria. Veterinaria 15: 205-212. Mar. 1951. 41.8 V6429
- 52034 DATTA, S., and others. Indian Veterinary Research Institute, 1890-1950. Indian Farming 1951(spec. no.):6-81. Mar. 1951. 22 In283
- Pathology and Bacteriology Section, by M. R. Dhanda, p.19-23; Biological Products Section, by B. Singh, p.24-27; Parasitology Section, by H. N. Ray, p.28-34; Animal Nutrition Research Section, by N. D. Kehar, p.35-40; Poultry Research Section, by S. G. Iyer, p.41-44; Animal Genetics Section, by P. Bhattacharya, p.45-50; Training facilities, by S. Datta, p.51-57; General organization and administration, by B. R. Ramchandani.
- 52035 DATTA, S. R. Problem of foot and mouth disease in India. (In Indonesian.) Hemera Zoa 57:722-726. Nov. 1950. 41.8 V51
- 52036 DINNIK, J. A. An intermediate host of the common stomach fluke, Paramphistomum cervi (Schrank), in Kenya. East African Agr. J. 16:124-125. Jan. 1951. 24 Ea74
- 52037 DOLADO, E. Partidos cerrados. L rida Ganad. (ser.3)121:218-221. Nov. 1950. 41.8 L56
- Veterinary practice in Spain.
- 52038 DUFRENOY, M. L., and DUFRENOY, J. A propos du cinquantenaire de la Soci t  de Pathologie Compar e. Rev. de Path. Compar. 50:789-793. Ref. Dec. 1950. 448.8 R326
- 52039 EDEN, E. Vitamin A in farm animals. Cambridge. U. Abs. Diss. 1948/49:34-36. 1950. 241.8 C14
- 52040 FAGAN, R. Parasites of animals transmissible to man. M. S. C. Veterinarian 11:133-138. Spring 1951. 41.8 M582
- 52041 FAGAN, R. Virus diseases transmissible from animal to man. II. M. S. C. Veterinarian 11:120-123, 139-141. Spring 1951. 41.8 M582
- 52042 FEDERATION OF MALAYA. VETERINARY DEPT. Report for the year 1949, by W. E. Lancaster. Kuala Lumpur, 1951. 37 p. 41.9 F31
- 52043 FED'KO, S. I. Problems of veterinary workers on state farms in carrying out a successful wintering [of livestock] in the years 1950 and 1951. (In Russian.) Veterinarifa 27(12):1-4. Dec. 1950. 41.8 V6426
- 52044 FR HNER, E. Lehrbuch der arzneimittel-lehre f r tier rzte. Ed. 18, rev. and enl., by R. Reinhardt. Stuttgart, Enke, 1950. 400 p. 41 F92L
- 52045 G ROM , R. L'enseignement chirurgical v t rinaire par le film. Paris, Foulon, 1950. 43 p. Ref. 41.2 G315
- Th se -  cole Nationale V t rinaire d'Alfort.
- 52046 GERSTELL, R., and GIFFORD, C. It could hit your farm tonight. Farm J. 75(4):31, 176-178. Apr. 1951. 6 F2212
- Biological warfare in the spreading of livestock and crop diseases.
- 52047 GONCHAROV, A. F., and others. Treatment of necrobacillosis in northern reindeer. (In Russian.) Veterinarifa 27(12):25-26. Dec. 1950. 41.8 V6426
- I. M. Golosov, L. K. Magnushevskii, and P. S. Ivanov, joint authors.
- 52048 GRAY, W. V. External application of testosterone propionate as neo-hombreol ointment. Vet. Rec. 63:293-294. Apr. 21, 1951. 41.8 V641
- Tests with mare, cow, and bitches.
- 52049 GROULADE, P. L'action th rapeutique d'un extrait d'hyphomyc tes. Rev. de Path. Compar. 50:867-874. Dec. 1950. 448.8 R326
- English summary.
- Aspergillus and Penicillium extracts used for various animal diseases.
- 52050 HALE, M. W. The Army Veterinary Service. No. Amer. Vet. 32:224-229. Apr. 1951. 41.8 N812
- 52051 HOLZ, J. Zur kl rung des cyklus der Trichomonas fetus. Tier rztl. Umschau 6:118-121. Ref. Apr. 1951. 41.8 T445
- 52052 HUSDJURSL RA. Del I. Anatomi och fysiologi, av A. Westerlund; Avels- och rasl ra, av I. Johansson. [Domestic animal science. Part I. Anatomy and physiology, by A. Westerlund; Breeding and genetics, by I. Johansson]. Ed. 9, rev. Stockholm, LT:s f rlag, 1950. 308 p. 40 H95
- 52053 JACKSON, J. W. It might have been you; there were four human deaths from rabies in Indiana last year; a great many cases occurred in dogs and in live stock; help stop it. Ind. State Bd. Health. Mon. B. 54:31, 38. Feb. 1951. 449.7 In2M
- 52054 KALUSCH, A. Die tierseuchenbek mpfung. Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahr- u. Adressb. 1949:217-221. 1950. 19 Au72J
- 52055 KLEIBER, M. Isotopes as metabolic tracers. (Abs.) Calif. Vet. 4(4):21. Mar./Apr. 1951. 41.8 C12
- 52056 KORDTS, E. Der heiz- und k hltsch nach Eisenberg, seine besondere bedeutung f r spermaunter-suchungen und seine verwendungsm glichkeit in den besamungsstationen. Deut. Tier rztl. Wchnschr. 58:119-120. Apr. 15, 1951. 41.8 D482
- 52057 LACROIX, J. V., and HOSKINS, H. P., eds. Questions and answers, veterinary. Replies by 138 authorities to more than 500 selected questions submitted by readers of the North American Veterinarian. Evanston, Ill., Amer. Vet. Pub., 1951. 210 p. Ref. 41 L113Q
- 52058 LANGER, F. Sammelreferat: die atombombe und veterin rmedizinische probleme. Deut. Tier rztl. Wchnschr. 58:121-123. Apr. 15, 1951. 41.8 D482
- 52059 LOEW, G. Les filtrats de p nicilline en th rapeutique chirurgicale. Paris, Foulon, 1950. 80 p. Ref. 41.2 L82
- Th se -  cole Nationale V t rinaire d'Alfort.
- 52060 MCDONALD, G. The club veterinarian. Austral. Vet. J. 27:45-47. Feb. 1951. 41.8 Au72
- New Zealand.
- 52061 MANSJOER, M. Is your book-case up to the mark? Virology. (In Dutch.) Hemera Zoa 57:713-721. Nov. 1950. 41.8 V51
- 52062 MARCHETTI, L. Le r le des chiens dans la transmission de certaines maladies parasitaires. Terre Marocaine 25:111-112. Apr. 1951. 24 T44
- Staggers in sheep and hydatidosis.
- 52063 MOZGOV, I. E. Pharmacological problems in the light of I. P. Pavlov's teaching. (In Russian.) Veterinarifa 27(12):5-10. Dec. 1950. 41.8 V6426
- Includes veterinary pharmacology.
- 52064 N ME EK, J. The new penal law in relation to veterinary and sanitary activity. (In Czech.) Casopis  eskosl. Vet. 5:612-615. Dec. 25, 1950. 41.8 C27
- 52065 NOORDIJK, E. The Veterinary-Sanitary Service of the municipality of Texel. (In Dutch.) Tijdschr. v. Diergeneesk. 76:321-334. May 1, 1951. 41.8 T431
- 52066 NOYAN, A. A study of bone marrow in farm animals. Ohio. State U. Abs. Doct. Diss. 60:237-240. Spring Q. 1948/49. 241.8 Oh3
- 52067 POLLITZ, H. Lachesis in der tier rztl. praxis. Tier rztl. Umschau 6:127-129. Apr. 1951. 41.8 T445
- 52068 PRIER, J. E. Brucellosis! Wyo. Agr. Expt. Sta. C. 40, 8 p. Mar. 1951. 100 W99
- 52069 QUANDER, Die maul- und klauenseuche in Nordrhein-Westfalen 1948/1949. Deut. Tier rztl. Wchnschr. 58:116-118. Apr. 15, 1951. 41.8 D482
- 52070 RALSTON-PURINA CO. Poisonous plants. Amer. Dairy Goat News 12(10):2, 10-11. Apr. 1951. 40.18 Am34
- 52071 RAMON, G. Les m thodes fondamentales d'immunisation et les proc d s de vaccination  tude g n rale et critique. Rev. de Path. Compar. 50:753-788. Ref. Dec. 1950. 448.8 R326
- English summary.
- 52072 SARVIDE, M. H. Diagn stico de la rabia. Rev. Mex. de Med. Vet. y Zootec. 5:16-25. Jan./Apr. 1950. 41.8 R3217
- 52073 SAURAT, P., GORET, P., and JOUBERT, L. Les nouveaux antibiotes en m decine v t rinaire. Rev. de Path. Compar. 50:849-862. Ref. Dec. 1950. 448.8 R326
- English summary.

52074 SCHEIDY, S. F. Recent advances in veterinary chemotherapy. *Canad. J. Compar. Med.* 15:54-61. Mar. 1951. 41.8 C162

Use of antibiotics.

Similar title, with references, in *Amer. Vet. Med. Assoc. J.* 118:213-220. Ref. Apr. 1951. 41.8 Am3

52075 SCHEIDY, S. F. Some sulfonamides and antibiotics in veterinary practice. *No. Amer. Vet.* 32:245-250. Apr. 1951. 41.8 N812

52076 SCHUNEMANN HOFER, A. Contribución a la histopatología de la fiebre aftosa experimental. *Rev. Mex. de Med. Vet. y Zootec.* 5:59-76. Ref. May/Aug. 1950. 41.8 R3217

52077 SEREBRIAKOV, P. N. Osnovy fiziologii sel'skokhozháistvennykh zhivotnykh [Principles of farm animal physiology]. Ed. 2, rev. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 167 p. (Biblioteka Kolkhoznogo Zhivotnovoda) 444 Se620

52078 SILBERSIEPE, E., and BERGE, E. Lehrbuch der speziellen chirurgie für tierärzte und studierende. Ed. 11, rev. Stuttgart, Enke, 1950. 524 p. 41 Si3

52079 STRAYER, P. E., and CHUNG, N. Y. Veterinary medicine in the Hawaiian Islands. *Iowa State Col. Vet.* 13:87-88. 1951. 41.8 V6425

52080 SZAFLARSKI, J. The employment of the allergic intradermopalebral test for the diagnostic of parasitic animal diseases. (In Czech.) *Časopis Českoslov. Vet.* 5:543-547. Ref. Dec. 10, 1950. 41.8 C27

52081 TAYEB, M. A. F. A study on the blood supply of the camel's head. *Brit. Vet. J.* 107:147-155. Apr. 1951. 41.8 V643

52082 TURK, R. D. Diagnosis of parasitism. *No. Amer. Vet.* 32:250-254. Apr. 1951. 41.8 N812

52083 ULLRICH, K. Zur tollwutbekämpfung in Berlin. *Berlin. u. Münch. Tierärztl. Wchnschr.* 1951:51-53. Mar. 1951. 41.8 B45

52084 VALLE, A. L. Brazil can perfectly attack and solve the problem of foot-and-mouth disease. (In Portuguese.) *Rev. dos Criadores* 21(12):3-6. Dec. 1950. 43.8 R32

52085 VIANELLO, G. Livestock diseases in 1950. (In Italian.) *Humus* 7(3):30-32. Mar. 1951. 16 H88

52086 VILLAMOR RUIZ, F. J. Colaboración del ganadero en la lucha contra las enfermedades. *Ganadería [Madrid]* 8:662. Nov. 1950. 49 G15

52087 VOLOSKOV, P. A. Principles and methods of therapy in veterinary gynecology. (In Russian.) *Veterinariya* 27(12):34-39. Dec. 1950. 41.8 V6426

52088 VOUTE, E. J. Psycho-somatic veterinary medicine. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:343-345. May 1, 1951. 41.8 T431

52089 WRIGHT, N., and EWEN, A. H. A practical guide to animal health. Toronto, Nelson, 1951. 396 p. 41 W932

52090 ZUNKER, M. Nochmals: tollwutbekämpfung in West-Berlin. *Berlin. u. Münch. Tierärztl. Wchnschr.* 1951:53-54. Mar. 1951. 41.8 B45

MISCELLANEOUS

52091 ASOCIACIÓN RURAL DEL URUGUAY. Registros genealógicos, exposiciones, 1950. Montevideo, 1950. 526 p. 49.9 As57

52092 BYWATER, H. E. Methods of slaughtering animals intended for human food—old and new. *Vet. Rec.* 63:327-332. Ref. May 5, 1951. 41.8 V641

52093 CARIBBEAN COMMISSION. CENTRAL SECRETARIAT. Animal husbandry in the Caribbean; report of the Livestock Conference held in Trinidad, February 28-March 3, 1950. Port-of-Spain, Trinidad, 1950. 378 p. 40 C19

52094 DENMARK. LANDØKONOMISK FORSØGS-LABORATORIUM. Oversigt over Landøkonomisk Forsøgslaboratoriums arbejde i året 1949-50 [Survey of the activities of the Farm Economic Research Laboratory during the year 1949-50]. København, 1950. 93 p. 49.9 D41

Livestock research.

52095 FRASER, A. Fat stock shows. *Young Farmer* 19:13, 15. Jan./Feb. 1951. 10 Y8

52096 GT. BRIT. NIGERIAN LIVESTOCK MISSION. Report, by T. Shaw and G. Colville. London, H. M. Stationery Off., 1950. 175 p. (Gt. Brit. Colon. Off. Colon. No. 266) 40 G799

52097 IGLESIAS SELGAS, C. La ganadería y las industrias ganaderas en la provincia de Badajoz. *Ganadería [Madrid]* 8:669-671. Nov. 1950. 49 G15

52098 IGLESIAS SELGAS, C. Labor experimental y de fomento realizada en la Estación Pecuaria Regional de Badajoz. *Ganadería [Madrid]* 9:12-14. Jan. 1951. 49 G15

52099 JUHRE, F., ed. Kleintierzucht und kleintierhaltung, ein leitfaden für die praxis. Berlin, Deutscher Bauernverlag, 1950. 488 p. 40 J932

Poultry, rabbits, goats; also apiculture and sericulture.

52100 KOMATSU, A. Zusetsu chikusan [Illustrated animal husbandry]. Tokyo, Ikeda Shoten, 1950. 320 p. 40 K834

52101 LERY, G. Le concours général agricole. *Agr. Prat.* 115:194-196. Apr. 1951. 14 J82

France.

Chiefly livestock.

52102 MAILLO RUETE, A. La protección que prestaban a la ganadería y a los animales domésticos las antiguas leyes españolas. *Ganadería [Madrid]* 8:677. Nov. 1950. 49 G15

52103 MONTERO FERNÁNDEZ, A. Los concursos nacionales de ganado. *Ganadería [Madrid]* 8:700-704. Dec. 1950. 49 G15

Spain.

52104 NANDA, P. N. The problem of livestock development in India. *Indian Farming* 1951(spec. no.):1-5. Mar. 1951. 22 In283

52105 NIKLAS, W. Wesen, inhalt und bedeutung des vieh- und fleischgesetzes. *Tierärztl. Umschau* 6:138-139. Apr. 1951. 41.8 T445

Germany.

52106 OBÉE, H. Vorschau auf die 41. wanderausstellung der DLG [Deutsche Landwirtschafts-Gesellschaft] (tierschau). *Tierzüchter* 3:98-100. Feb. 20, 1951. 49 T445

52107 OERTZEN, H. U. VON. Der Concours General Agricole in Paris vom 27. 2. bis 5. 3. 1951. *Tierzüchter* 3:220-223. Apr. 20, 1951. 49 T445

52108 OLCESE, O. Primera conferencia inter-americana de ganadería. *Agronomía [Lima]* 15(64):63-77. Dec. 1950. 9.8 Ag83

52109 ROBBINS, R., and NOE, W. L. Report of legislation affecting stockmen; not necessary to obtain feeding or grazing permits—authorized to brand Bang's reactors—change transfer of property rights of recorded brands. *Kans. Stockman* 36(7):9-11. May 1951. 49 K134

52110 SKOROKHOD'KO, A. K. Gigiena sel'skokhozháistvennykh zhivotnykh [Hygiene of farm animals]. Ed. 4, rev. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 463 p. (Uchebniki i Uchebnye Posobija dlia Vysshikh Sel'skokhozháistvennykh Uchebnykh Zavedenii) 40 Sk5

52111 SOUKUP, J. Branding. (In Czech.) *Časopis Českoslov. Vet.* 5:615-617. Dec. 25, 1950. 41.8 C27

52112 STECHER, A. Unsere landwirtschaftlichen nutztiere. *Freiburg i. Br., Burda*, 1950. 72 p. 40 St32

52113 TIPTON, B. He has a knack of raising champions. *Acco Press* 29(4):1-7. Apr. 1951. 6 Ac2

Livestock champions of the Pecos County, Texas, 4-H Clubs, and the educational program followed by the county agent.

52114 WASHINGTON. STATE COLLEGE. EXTENSION

SERV. Recommended livestock classifications. *Wash. State Col. Ext. Mimeog.* 990, 7 p. 1951? 275.29 W27Mi

For exhibition.

CATTLE

Breeds and Breeding

52115 ABRAMS, J. T. Herd fertility in cattle: a note. *Vet. Rec.* 63:310-313. Ref. Apr. 28, 1951. 41.8 V641

52116 AUTREY, K. M. Calves count in milk profits. *Prog. Farmer, Tex. Ed.* 66(4):42C-42D. Apr. 1951. 6 T311

Dairy cattle breeding.

52117 BAKER, E. T. My cow won't settle. Can you help me out? *Idaho Farmer* 69:348, 372. May 3, 1951. 6 G282

52118 BARON, D. R. Breeding herds make beef production safer. *Farmer's Mag.* 48(4):69. Apr. 1951. 7 C165

52119 BATTLES, O. V. As I look back I realize how much Aberdeen-Angus cattle have done for me. *Aberdeen-Angus J.* 32(9):70, 85-86. Apr. 1951. 43.8 Ab3

52120 BATTLES, O. V. Linebreeding and inbreeding. *Aberdeen-Angus J.* 32(10):49, 92-93. May 1951. 43.8 Ab3

52121 BEGUCHEV, A. P. Result of improving Tuvinnian cattle with Simmental. (In Russian.) *Tuvinskafá Sel'skokhoz. Opytn. Sta. Trudy* 2:155-162. 1950. 106 T89

52122 BELLER, K. Die bekämpfung der unfruchtbarkeit beim rind. *Württemb. Wchnbl. f. Landwirt.* 118:260. Mar. 31, 1951. 18 W96

52123 BENSON, M. H. The South turns to Ayrshires. *Ayrshire Digest* 37:205, 261, 264. Apr. 15, 1951. 43.8 Ay7

- 52124 BIEGERT, H. Die fleischleistung im kombinierten zuchtziel der deutschen h  nherinder. *Tierz  chter* 3:126-128. Mar.5,1951. 49 T445
- 52125 BONADONNA, T. Observaciones sobre la fertilidad en vacas por fecundaci  n artificial realizada al final del estro o durante el postestro. *Soc. Rur. Argentina. An.* 84(12):24-26. (Cont.) Dec.1950. 9 Sol
- 52126 BOUWMAN, J. N. Artificial insemination of Groningen black-white head. (In Dutch.) *Stamboeker* 33: 21.23. Mar.1,1951. 43.8 V58
- 52127 BOYD, W. L. The relation of the veterinarian to the program of artificial insemination of dairy cattle. *M. S. C. Veterinarian* 11:112-114. Spring 1951. 41.8 M582
- 52128 BRANTON, C., and others. The relationship between certain semen quality tests and fertility and the interrelationship of these tests. *J. Dairy Sci.* 34:310-316. Ref. Apr.1951. 44.8 J822
- C. B. James, T. E. Patrick, and M. H. Newsom, joint authors.
- 52129 BROCHART, M. Augmentation de la dur  e de conservation du sperme de taureau par dilution progressive en milieu hypotonique. *Rec. de M  d. V  t.* 127:153-160. Mar.1951. 41.8 R24
- 52130 BURKSER, G. V., and BEL  KOV, S. P. The control of non-lactation and infertility in cows. (In Russian.) *Veterinariya* 27(12):39-44. Dec.1950. 41.8 V6426
- 52131 BUTAYE, R. Le fonctionnement organis   du "herbbook" du cheptel bovin en Flandre-Orientale. *Annu. Agr. et Hort.* (1949/50):2:88-94. 1950. 13 An7
- 52132 CAMICI, D. A bull of 12 years used for artificial insemination. (In Italian.) *Zootec. e Vet.* 6:187-188. Mar.1951. 41.8 Z7
- 52133 CANO, A. E. Inseminaci  n artificial en bovinos en la Rep  blica Argentina. *Soc. Rur. Argentina. An.* 84(12):43-47. Dec.1950. 9 Sol
- 52134 CHAMBERS, J. C. What about the West? *Ayrshire Digest* 37:206,260,263. Apr.15,1951. 43.8 Ay7
- 52135 CRUMP, J. Polled Jerseys. *Jersey B.* 70:622, 670,672-673. May 10,1951. 43.8 J48
- 52136 CUPPS, P. T. Observations on breeding problems. (Abs.) *Calif. Vet.* 4(4):20. Mar./Apr.1951. 41.8 C12
- Estrus in cattle.
- 52137 CURRIE, J. J. The Old Breed plays its part. *Farming News & No. Brit. Agr.* 103:49. Jan.1,1951. 10 N82
- West Highland cattle.
- 52138 DANCKWERTS, B. A. Taking guesswork out of breeding. *Rhodesian Farmer* 4(19):22. Ref. Jan.31, 1951. 24 R347
- Cattle breeding.
- 52139 DESCLAUDE, G. L'appr  ciation du taureau reproducteur par l'examen des signes ext  rieurs. *Pay-san Franc.* 26(399):13-14. Mar.1951. 14 P29
- 52140 DESELAERS. Rotbunte rindviehausstellungen in Nordbrabant, in Cuyk, Eindhoven, Veghel und 's-Hertogenbosch. *Tierz  chter* 3:30-32. Jan.20,1951. 49 T445
- 52141 DOMINGUES, O. The good bull. (In Portuguese.) *Agr. e Pecuaria* 22(329):59. Feb.1951. 9.2 Ag89
- 52142 DOORME, H. L'inseminaci  n du gros betail en Flandre-Orientale. *Annu. Agr. et Hort.* (1950/51):3:71-78. 1951. 13 An7
- Cattle.
- 52143 DUNCOMBE, A. M. Shorthorns win a range role. *West. Livestock J.* 29(27):35,62. Apr.15,1951. 6 F2278
- 52144 ENGELER, W. Neuzeitliche z  chtungsmethoden und ihr anwendungsbereich in der rinderzucht. *Schweiz. Landwirt. Monatsh.* 1951:81-90. Mar.20,1951. 17 Sch93
- 52145 ENGLISH GUERNSEY CATTLE SOCIETY. The English Guernsey Cattle Society's herd book, v. 66, 2 parts. Wells, Somerset, Clare, 1950. 1893 p. 43.9   n33
- 52146 FLINT, W. E. Selection pays with beef cattle too. *Tex. Livestock J.* 10(3):16-17. Mar.15,1951. 49 T29
- 52147 FOSTER, W. Can you afford a \$1000 bull? *Country Gent.* 121(5):28,97-98,100. May 1951. 6 C833
- 52148 FOWLER, S. H. Developing the Shorthorn. *Ala. Farmer* 30(6):6-8. Mar.1951. 276.8 AL1
- 52149 FRIESCH RUNDVEE-STAMBOEK. Preferente stammoeders [Preferent cows]. n.p., 1950. 1 v. 43.9 F91Pr
- 52150 FULGENZI, U. N. Results of eighty years improvement in Perugian cattle. (In Italian.) *Riv. di Zootec.* 24:25-29. Jan.1951. 49 R52
- 52151 GUICHON, U. Breeding yearling [Hereford] heifers to Angus bulls pays off. *Canad. Cattlemen* 14(3): 8-9. Mar.1951. 49 C16
- 52152 HERWEIJER, C. H. Some comments pertaining to the history of cattle breeding in the island of Timor. (In Dutch.) *Hemera Zoa* 57:689-695. Nov.1950. 41.8 V51
- English summary.
- 52153 HODGSON, C. E. Inbreeding—a method of improving livestock; animal breeding is a science and art that requires constant research and careful study. *Shorthorn World* 36(3):52-57. Apr.10,1951. 43.8 Sh8
- With particular reference to Shorthorns.
- 52154 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. The type and production year book of the Holstein-Friesian Association of America, v. 7. Brattleboro, 1951. 1527 p. 43.9 H74T
- 52155 HOPKINS, A. G. The carrier of the genes; provide correct feed, plenty of sunlight, exercise and clean quarters for the bulls. It is well to know that differences in fertility are inherited. *Shorthorn World* 36 (4):7-8,16. Apr.25,1951. 43.8 Sh8
- 52156 HORN, P. W. What Polled Herefords owe Anxiety 4th. *Ariz. Cattlelog* 6(6):12-13. Feb.1951. 43.8 Ar42
- 52157 JACQUET, J., PLESSIS, Y., and CASSOU, R. Hyaluronidase du sperme et f  condit   des taureaux. *Acad. des Sci. Compt. Rend.* 232:1252-1254. Mar.19, 1951. 505 P21
- 52158 KENNEDY, C. The old order changes; eastern Arkansas is turning to "Black" cattle. *Aberdeen-Angus J.* 32(9):60,110. Apr.1951. 43.8 Ab3
- 52159 KNOPFF, Gemeinshaftliche bullenhaltung. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:630. Apr. 26,1951. 18 L2346
- 52160 LAUPRECHT, E. Die fleischleistung im kombinierten zuchtziel der deutschen niederungsrinder. *Tierz  chter* 3:128-130. Mar.5,1951. 49 T445
- 52161 LOYD, C. DHIA program pays in Alabama. *Ala. Farmer* 30(6):3,15. Mar.1951. 276.8 AL1
- 52162 MCLEAN, J. W. Some aspects of the problem of bovine sterility in New Zealand. (Abs.) *Calif. Vet.* 4 (4):18. Mar./Apr.1951. 41.8 C12
- 52163 MCMEEKAN, C. P. Production results from artificial insemination. *Massey Agr. Col. Dairyfarming Annu.* 3:105-108. Nov.1950. 44.9 M382
- Includes discussion.
- Dairy cattle.
- 52164 MAINARDI, B. The Brown Swiss cattle breed. (In Italian.) *Humus* 7(3):30. Mar.1951. 16 H88
- 52165 MALETTTO, F. On some secondary factors which influence the fertility of cows. (In Italian.) *Zootec. e Vet.* 6:189-198. Mar.1951. 41.8 Z7
- English summary.
- 52166 MANN, D. Poorer a man's cows the more benefit he gets. *Kans. Farmer* 88(4):20. Feb.17,1951. 6 K13
- Purebred bulls in breeding.
- 52167 MANZ, B. Dual purpose cattle. *Org. Farmer* 2(8):48,50-52,54. Mar.1951. 57.8 Or3
- 52168 MARZANI, A. The practice of substitution crossing of Brown Swiss with Holstein Friesian; consideration of the production obtained in Torre in Pietra. (In Italian.) *Riv. di Zootec.* 23:391-395. Dec.1950. 49 R52
- 52169 MELLKVIST, O. Insemination conditions in France. (In Swedish.) *Ladug  rden* 1951:47-48. Feb.1951. 44.8 L12
- Cattle.
- 52170 MESSERSCHMIDT, H., and SCHMITTER. Das Deutsche Rinderleistungsbuch, die grundlage f  r die wirtschaftlichkeit unserer rinderzucht. *Tierz  chter* 3:134-135. Mar.5,1951. 49 T445
- 52171 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF DAIRYING. Herd improvement and the application of recording results, by I. W. Scott. Sydney, 1950. 13 p. 43 N47H
- 52172 NICHOLS, G. Holsteins are stronger than ever. (Excerpts.) *Ohio Holstein News* 15(2):7,27. Apr. 1951. 43.8 Oh3
- 52173 NOVIKOV, E. A., STARTSEV, D. I., and ARZUMANIAN, E. A. Plemennoe delo v skotovodstve [Pedigreeing in cattle production]. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 495 p. 43 N85
- 52174 PACI, C. Why red spotted calves are born to black spotted parents. (In Italian.) *Riv. di Zootec.* 24:20-24. Jan.1951. 49 R52
- 52175 PARKER, E., and PARKER, A. What the overseas buyer wants—advice to Red Poll breeders. *J. Red Poll Breed* 27(99):54-55. Spring 1951. 43.8 J82
- 52176 PASSERINI, G. The work of improving the Chianina breed of cattle. (In Italian.) *Allevatore* 7(9):1-2. Mar.4,1951. 49 AL55

- 52177 QUESADA BRAVO, G. Contribución al estudio del Cebú en México. *Rev. Mex. de Med. Vet. y Zootec.* 5: 3-15. Jan./Apr.1950. 41.8 R3217
With descriptions of Nellore (Ongole), Guzerat (Kankrej), Gir, and Indu-Brazil races.
- 52178 ROSE, W. Noted bull battery in B. C.; Fraser Valley dairymen are taking sires available at the Milner A. I. Centre. *Family Herald & Wk. Star* 82(12):5. Mar. 22, 1951. 7 F21
- 52179 ROSS, J. Dairy herd infertility: importance of balanced diet. *Rhodesian Farmer* 4(23):9. Feb. 28, 1951. 24 R347
- 52180 ROZZI, U. Results obtained in genotypic selection of dairy cattle in the Province of Parma. (In Italian.) *Avvenire Agr.* 59:92-95. Apr. 1951. 16 Av9
- 52181 RYDE, H. General regulation concerning artificial insemination of cattle. (In Swedish.) *Ladugården* 1951:12-14. Jan. 1951. 44.8 L12
- 52182 SANDERS. Die deutsche Shorthornzucht. *Tierzüchter* 3:42-44. Jan. 20, 1951. 49 T445
- 52183 SANTA Gertrudis: a lot of beef; the King Ranch's new breed of beef cattle has the livestock world yipping; the hopeful outlook: more meat at less cost. *Fortune* 43:98-98, 132, 134. May 1951. 110 F772
- 52184 SCHAEFER, W. F. Artificial breeding; we can produce in 500-lb. herds, too. *Hoard's Dairyman* 96:366. Apr. 25, 1951. 44.8 H65
- 52185 SCHÄFER. Altstiere tun not. *Allgäuer Bauernbl.* 19:189-190. Apr. 5, 1951. 18 AL53
- 52186 SCHMIDTKE, C. German Lowland cattle. *Home Farmer* 18(4):12-13. Apr. 1951. 280.344 H75
- 52187 SIBLEY, J. R. Awake! Jersey breeders. *Jersey B.* 70:618, 657-658, 660. May 10, 1951. 43.8 J48
- 52188 SNOOK, W. V. Newcomers—make more use of the grading scheme. *J. Red Poll Breed* 27(99):52-53. Spring 1951. 43.8 J82
- 52189 STOCKLAUSNER. Der weg der deutschen rinderzucht zu hohen milch- und fettleistungen. *Tierzüchter* 3:119-123. Mar. 5, 1951. 49 T445
- 52190 SULZBERGER, L., and GASSNER, F. X. Determination of seminal fructose in intact and castrate dairy bulls. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:29-30. Oct. 1950. 500 C717
- 52191 SVENDSEN, C. Here's how Swiss dairy farmers get a start in building a pure bred dairy herd. *Family Herald & Wk. Star* 82(17):16, 19. Apr. 26, 1951. 7 F21
Breeding program.
- 52192 SYKES, J. G., and MIXNER, J. P. Toxicity to bull spermatozoa of various salts, brands and lots of penicillin, streptomycin, aureomycin and chloromycetin. *J. Dairy Sci.* 34:342-346. Ref. Apr. 1951. 44.8 J822
- 52193 THORAUSSCH, K. Untersuchungen über ein messinstrument zur feststellung der spermadichte für bullsperma. *Tierärztl. Umschau* 6:136-137. Apr. 1951. 41.8 T445
- 52194 TOMSON, C. K. Shorthorn progress. *West. Livestock J.* 29(27):38, 63. Apr. 15, 1951. 6 F2278
- 52195 TUCKER, D. Florida! It may be the place where a budding Hereford breeder can mix fun with a future. *Amer. Hereford J.* 41(24):12-13, 60. Apr. 15, 1951. 43.8 Am32
- 52196 VANCE, M. S. L. I. [Southwestern Louisiana Institute] Brahman herd moving to top spot in state. *Coastal Cattleman* 17(2):20. Apr. 1951. 43.8 C63
- 52197 VEIT, F. Ist das fleckvieh leistungsfähig? *Württemb. Wchnbl. f. Landwirt.* 118:235-236. Mar. 24, 1951. 18 W96
Milk production.
- 52198 VERA PEREZ, L. Limitativos para la aclimatación del ganado de razas europeas a los Trópicos. *Tierra [México]* 6:148-150, 184-186. (To be cont.) Mar. 1951. 8 T445
Cattle.
- 52199 VISHNIAKOV, N. K. On meat characteristics of Tuvinian cattle which was improved by Simmental. (In Russian.) *Tuvinskafä Sel'skokhoz. Opytn. Sta. Trudy* 2: 147-154. Ref. 1950. 106 T89
- 52200 WAEL, L. DE. Par les syndicats d'exploitation bovine vers un betail rentable. *Annu. Agr. et Hort.* (1949/50):2:95-98. 1950. 13 An7
- 52201 WARD, A. H. Future development of artificial insemination in New Zealand. *Massey Agr. Col. Dairy-farming Annu.* 3:101-104. Nov. 1950. 44.9 M382
Dairy cattle.
- 52202 WILLIAMS, S. Try out Red Poll steers. *J. Red Poll Breed* 27(99):34-37. Spring 1951. 43.8 J82
Great Britain.
- 52203 WITT, M. Prüfungsergebnisse von 18 Ostfriesischen und Oldenburger leistungskühen in Mariensee. *Tierzüchter* 3:136. Mar. 5, 1951. 49 T445
- 52204 ZAPPELLI, P. The Maremmana cattle breed in the face of the agrarian reform. (In Italian.) *Terra e Sole* 104:141-143. Apr. 1951. 16 T273

Feeds and Feeding

- 52205 AMSCHLER, J. W., and MEINX, R. Vergleichende untersuchungen über die mast von jungochsen und jungstieren (baby beef) verschiedener rassen. *Bodenkultur* 4:451-464. 1950. 19 B635
- 52206 BARON, D. R. Less risk feeding beef cattle. *Farmer's Mag.* 48(4):11, 72. Apr. 1951. 7 C165
- 52207 BARRACANO, C. Aspects of the livestock problem. (In Italian.) *Cam. di Com. Indus. e Agr. Bari. B. (n.s.)* 35(1):7-9. Jan. 1951. 287 B232
Cattle feeding and breeding problems.
- 52208 BEGUCHEV, A. P. In regard to cattle and sheep maintenance on the lowland winter pastures. (In Russian.) *Tuvinskafä Sel'skokhoz. Opytn. Sta. Trudy* 2: 163-173. 1950. 106 T89
- 52209 BEGUCHEV, A. P. Some data on the zootechnical evaluation of pastures in Tuva Autonomous Region. (In Russian.) *Tuvinskafä Sel'skokhoz. Opytn. Sta. Trudy* 2:86-95. Ref. 1950. 106 T89
Dairy calves and cows.
- 52210 BERNUTH, W. VON. Wieviel kg milch von 1 ha hauptfutterfläche? II. Unser Milchvieh 3(3):4. *In Molk.-Ztg.* 5(9). Mar. 1, 1951. 44.8 M735
- 52211 BLISS, M. E. Don't sacrifice hay for corn. *Hoard's Dairyman* 96:388-389. May 10, 1951. 44.8 H65
Nutritive value.
- 52212 BOND, K. I. Mineral nutrition of the dairy cow. *Vet. Rec.* 63:247-250. Apr. 7, 1951. 41.8 V641
- 52213 BRÜGGEMANN, H. Vorbereitung auf den weidegang. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A: 511. Apr. 5, 1951. 18 L2346
Cattle feeding.
- 52214 BURLESON, R. E. Can you afford to buy replacements? *Hoard's Dairyman* 96:343, 348-349. Apr. 25, 1951. 44.8 H65
Chiefly on cattle feeding.
- 52215 BUSEV, G. S., and UTKIN, V. P. Fattening of young [beef] cattle on juicy feeds at a minimum of concentrates. (In Russian.) *Vsesofüzn. Nauch. Issled. Inst. Zhivotn. Trudy* 18:47-56. 1950. 49.9 R92
- 52216 COLOMBO, C. The feeding of cattle and selection. (In Italian.) *Agr. in Prov. di Varese* 23(2):2. (To be cont.) Feb. 1, 1951. 16 Ag8265
- 52217 CONNELLY, R. G. Pasture, the low cost feed for dairy cows. *Va. Dairyman* 15(2):1-3. Apr. 1951. 44.8 V81
- 52218 CRANDALL, W. T. Palatability in dairy ration important. *Dairymen's League News* 35(9):6-7. May 1, 1951. 44.8 D1432
- 52219 CRANZ, K. L. Kartoffelfütterung an das milchvieh. *Unser Milchvieh* 3(3):3. *In Molk.-Ztg.* 5(9). Mar. 1, 1951. 44.8 M735
- 52220 DOANE, D. H. Here's how to pick the best steer to eat grass. *Successful Farming* 49(5):36, 134, 136. May 1951. 6 Sul2
Report on a grass-feeding experiment.
- 52221 ELLIOTT, R. F., and SEATH, D. M. Distillers grain solubles in calf starters. *Distillers Feed Conf. Proc.* 6:12-17. Ref. 1951. 389.79 C765
- 52222 FISCHER. Kälberaufzucht mit dicksaurer magermilch. *Württemberg. Wchnbl. f. Landwirt.* 118:236. Mar. 24, 1951. 18 W96
- 52223 FLICKINGER, A. Role of pasture in milk production. *Purdue Agr.* 42(7):6-17. Apr. 1951. 6 P97
- 52224 GARD, W. Better grass for more beef. *Cattleman* 37(12):24, 26, 28, 30, 32. May 1951. 49 C29
- 52225 GMELIN. Die grünfütterung beginnt! *Württemberg. Wchnbl. f. Landwirt.* 118:300. Apr. 14, 1951. 18 W96
Dairy cattle.
- 52226 HENRIKSSON, A. Lower the rearing costs. (In Swedish.) *Ladugården* 1951:53-54. Feb. 1951. 44.8 L12
Feeding of calves and heifers.
- 52227 HUFFMAN, C. F., DUNCAN, C. W., and BENNE, E. J. The digestibility of distillers grain solubles by dairy cattle. *Distillers Feed Conf. Proc.* 6:18-23. 1951. 389.79 C765
- 52228 HURTT, L. C. Ample grass for higher market grade and price. *West. Livestock J.* 29(27):40, 100-101. Apr. 15, 1951. 6 F2278
Beef cattle feeding.
- 52229 KING, G. W. On this farm a 16-acre field kept 40 cows for four months produced 12,000 lb. of milk and six tons of dried grass. *Dairy Farmer* 24(5):20-21. May 1951. 44.8 D1414

- 52230 KIRK, W. G., HODGES, E. M., and JONES, D. W. More feed in summer aids gains. Fla. Cattleman 15(8):48-49,56. May 1951. 43.8 F66
- 52231 KRISTJANSSON, S. Brassica. (In Icelandic.) 46:78-79. Mar.1951. 11 F89
A crucifer used as feed for cattle.
- 52232 LOOSLI, J. K. Distillers feeds in dairying. Feed Bag 27(4):63-64. Apr.1951. 389.78 F32
- 52233 LOOSLI, J. K. Influence of distillers feeds on milk production. Distillers Feed Conf. Proc. 6:30-36. Ref. 1951. 389.79 C765
- 52234 MARION, P. T., JONES, J. H., and FISHER, C. E. Cattle feeding studies at the Spur station. Tex. Livestock J. 10(3):8,13. Mar.15,1951. 49 T29
- 52235 MARTIN, J. Esquisse d'un plan d'alimentation et de production pour une exploitation de cheptel bovin. Annu. Agr. et Hort. (1950/51)3:67-71. 1951. 13 An7
- 52236 MOOREFIELD, J. G., and HOPKINS, H. H. Grazing habits of cattle in a mixed-prairie pasture. J. Range Mangt. 4:151-157. May 1951. 60.18 J82
- 52237 MORO, M. The feeding of calves. (In Italian.) Agr. in Prov. di Varese 23(2):1. Feb.1,1951. 16 Ag8265
- 52238 MURDOCK, F. R. The effect of antibiotics on the growth and well being of dairy calves. Wash. State Col. Ext. Mimeog. 967,2 p. Mar.1951. 275.29 W27M1
- 52239 NICHOLS, J. E. Efficiency of food utilization for milk production. Nature [London] 167:609-610. Apr.14,1951. 472 N21
- 52240 NICKEL, W. Was für den säugling gut ist, kann für das kalb nicht schädlich sein. Unser Milchvieh 3(3):3. In Molk.-Ztg. 5(9). Mar.1,1951. 44.8 M735
- 52241 NIESCHLAG, Zur vorbereitung des rindviehs für die weide. Landwirtbl. Weser-Ems 98:281. Mar.29, 1951. 18 L2345
Feeding.
- 52242 OLSSON, E. Feeding of calves. (In Swedish.) Ladugården 1951:9-12. Jan.1951. 44.8 L12
- 52243 PAYNE, W. J. A., LAING, W. L., and RAIVOKA, E. N. Grazing behaviour of dairy cattle in the Tropics. Nature [London] 167:610-611. Apr.14,1951. 472 N21
- 52244 PISTOR, W. J. Cows not hurt by high salt intake. Prog. Agr. Ariz. 3:8. Apr./June 1951. 6 P9452
- 52245 PRIEFER, In der fütterung zeigt sich der meister! Neue Mitt. f. die Landwirt. 6:209-210. Apr.7, 1951. 18 N39
Cattle.
- 52246 RECH, F. A. What we should know about grass silage. Jersey B. 70:534,583-586. Apr.25,1951. 43.8 J48
Similar title in Guernsey Breeders' J. [Peterborough] 82:20-21. May 2,1951. 43.8 G93
- 52247 RECHENTHIN, C. A. Overgrazing can cause starvation in times of drought. Tex. Livestock J. 10(3):6,26. Mar.15,1951. 49 T29
Cattle.
- 52248 ROBINSON, J. S. Profitable beef depends on good pasture program. Livestock Wk. 5(21):30,32. Mar.29,1951. 49 L753
- 52249 SAARINEN, P., and others. The adequacy of an all-alfalfa hay ration for milk secretion. J. Dairy Sci. 34:287-294. Apr.1951. 44.8 J822
M. A. Sami, J. C. Shaw, and L. A. Moore, joint authors.
- 52250 SAXENA, H. C. Common cattle feeds of Uttar Pradesh. Allahabad Farmer 25(1):5-17. Ref. Jan.1951. 22 AL5
- 52251 SCHÜTZHOLD, G. Leistungsfütterung—auch während des weideganges! Unser Milchvieh 3(3):1-2. In Molk.-Ztg. 5(9). Mar.1,1951. 44.8 M735
- 52252 SIRRI, A. Produce more butter and meat and less cheese; simple method of raising calves on skimmed milk. (In Italian.) Avvenire Agr. 59:96-98. Apr.1951. 16 Av9
Italy.
- 52253 SLACK, S. T., and others. Distillers grain solubles in calf starters. Distillers Feed Conf. Proc. 6:5-11. 1951. 389.79 C765
K. L. Turk, G. W. Trimberger, and J. T. Reid, joint authors.
- 52254 SMITH, A. L., and others. Creep feeding beef calves. Tex. Agr. Col. Ext. C. 289,8 p. Jan.1951. 275.29 T312C
- U. D. Thompson, J. H. Jones, and J. K. Riggs, joint authors.
- 52255 SMITH, S. E., and others. Salt studies with dairy cattle. Amer. Feed & Grain Dealer 35(3):20,35. Apr.1951. 298.8 C83
P. D. Aines, F. W. Lengemann, and K. L. Turk, joint authors.
- 52256 SNIDER, H. J. Ladino is tops in protein. Hoard's Dairyman 96:391. May 10,1951. 44.8 H65
- 52257 STOKLEY, J. Sawdust may be good cattle feed. Feed Bag 27(4):90-91. Apr.1951. 389.78 F32
- 52258 SUTTON, T. S. What's new in dairy cattle nutrition. (Abs.) Feedstuffs 23(16):57. Apr.21,1951. 286.81 F322
- 52259 TAL, Z. Natural pasture for cattle. (In Hebrew.) Hassadeh 31:285-288. Mar.1951. 26 H27
- 52260 TALLARICO, G. The influence of fodder upon the quality of milk secretion. II. (In Italian.) Mondo del Latte 1951:5-8. Jan.1951. 44.8 M74
English summary.
- 52261 TUCKER, H. Milchviehfütterung bei intensiver weidenutzung. Arbgemeinsch. zur Förd. des Futterbaues Mitt. 36:17-28. Oct.25,1950. 60.9 Ar1
Switzerland.
- 52262 TURK, K. L. How much grain should a dairyman feed? N. Y. Agr. Col. Ext. Cornell Feed Serv. 30:2, 8. Mar.1951. 275.29 N48Cf
Similar title in Feedstuffs 23(17):36,38. Apr.28,1951. 286.81 F322
- 52263 VOLCANI, R. Training calves to rough feeds. (In Hebrew.) Hassadeh 31:243-245. Feb.1951. 26 H27
- 52264 WIESENDANGER, H. Die bedeutung des weidebetriebes für die tierzucht und tierhygiene. Arbgemeinsch. zur Förd. des Futterbaues. Mitt. 36:28-32. Oct.25,1950. 60.9 Ar1
Cattle.
- 52265 WISE, G. H. The need and use of fats in dairy feeds. Feedstuffs 23(17):40-41. Apr.28,1951. 286.81 F322
- 52266 WITT, M. Fütterung von leistungskühen im winter und im sommer. Tierzüchter 3:214-217. Apr.20, 1951. 49 T445

Veterinary Medicine

- 52267 ANTHONY, W. B., RUPEL, I. W., and COUCH, J. R. Vitamin B₁₂ in blood of mature dairy cows liberally fed grain, alfalfa hay, silage and pasture forage as measured by Lactobacillus leichmannii 4797 (ATCC). J. Dairy Sci. 34:295-298. Ref. Apr.1951. 44.8 J822
- 52268 ARZUMANIAN, E. A. Skin of cattle and its relation to productivity. (In Russian.) Vsesoizn. Nauch. Issled. Inst. Zhivotn. Trudy 18:163-188. Ref. 1950. 49.9 R92
- 52269 BAILEY, J. W. What the Bang's test won't tell. Hoard's Dairyman 96:418. May 10,1951. 44.8 H65
- 52270 BANCOURT, C. Mammite staphylococcique de la vache. Paris, Foulon, 1950. 120 p. Ref. 41.2 B222
Thèse - École Nationale Vétérinaire d'Alfort.
- 52271 BARLOW, F. S. Ohio fights to protect cattle; prime emphasis placed on disease-free herds in move to improve cattle health. Hoard's Dairyman 96:401. May 10,1951. 44.8 H65
- 52272 BAUER, H., and KUBITZ, H. Die züchterische bekämpfung der rinder-tuberkulose in den herdbuchbetrieben. Stuttgart, Ulmer, 1950. 100 p. Ref. (Tierzuchtbücherei) 41 B325
- 52273 BEATH, O. A. Some trends in plant poisoning. Cow Country 78(9):5,14. Mar.1951. 49 C83
- 52274 BECKER, R. B., ARNOLD, P. T. D., and MARSHALL, S. P. Development of the bovine stomach during fetal life. J. Dairy Sci. 34:329-332. Apr.1951. 44.8 J822
- 52275 BERGER, J., and FRANCIS, J. Mastitis in [bovine] practice. I-II. Vet. Rec. 63:283-293,305-310. Ref. Apr.21-28,1951. 41.8 V641
I, Epizootiology and bacteriology; II, Treatment and control, with special reference to sulphone.
- 52276 BODIN, L. Traitement de la mammite colibacillaire par la streptomycine. Rec. de Méd. Vét. 127:36-37. Jan.1951. 41.8 R24
Cattle.
- 52277 COMLINE, R. S., ROBERTS, H. E., and TITCHEN, D. A. Route of absorption of colostrum globulin in the newborn animal. Nature [London] 167:561-562. Apr.7,1951. 472 N21
In newborn calves.
- 52278 CORRÊA, O. An interesting case of abnormality. (In Portuguese.) Chacaras e Quintais 83:315-316. Mar.15,1951. 9.2 C34
Two-headed calf.
- 52279 DAVIDOV, R. B. Productivity of dairy cattle during anti-brucellosis vaccinations. (In Russian.) Veterinarifa 27(12):30-32. Dec.1950. 41.8 V6426
- 52280 DEHORNING cattle; the various methods explained in detail. Austral. Junior Farmer 3(3):45-46. Jan./Feb.1951. 23 Au782
- 52281 DELAY, P. D., and RUCKER, J. C. Bacteriologic studies of recent bovine abortions in California. Calif. Vet. 4(4):17-18. Mar./Apr.1951. 41.8 C12

- 52282 DÍAZ BALCO, L. E. Neumoenteritis, bronquitis verminosa y diarrea de sangre de los terneros. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(64):21-24. Oct./Dec.1950. 9.5 M31
- 52283 DIKMANS, G. Bovine genital trichomoniasis. Calif. Dairyman 31(6):16-18,27. Apr.21,1951. 44.8 C12
- 52284 DRAKIN, L. I. Metabolism and energy in calves. (In Russian.) Vsesoŭzn. Nauch. Issled. Inst. Zhivotn. Trudy 18:5-46. Ref. 1950. 49.9 R92
- 52285 DRIEUX, H., and THIÉRY, G. La placentation chez les mammifères domestiques. Rec. de Méd. Vét. 127:5-25. Jan.1951. 41.8 R24
- 52286 DUNN, J. D., and BROWN, D. H. W. Oesophageal rupture in the bovine. Vet. Rec. 63:253. Apr.7,1951. 41.8 V641
- 52287 EASLEY, G. T., LEONARD, R. H., and TROTTER, D. M. Bacteriological, pathological and clinical studies of the reproductive tract of the Hereford cow and a bacteriological study of Hereford bull semen; preliminary report. No. Amer. Vet. 32:258-266. Ref. Apr. 1951. 41.8 N812
- 52288 FISHER, S., and GREGORY, T. S. Studies on a serological test for the diagnosis of tuberculosis in cattle. Austral. Vet. J. 27:25-34. Ref. Feb.1951. 41.8 Au72
- 52289 FOOT, A. S. Cow management and mastitis; the udder need not be inflamed before there is a cut in the milk yield; the true story is revealed by studying each quarter separately. Farmer & Stock-Breeder 65(3208): 98-99. Apr.17,1951. 10 F228
- 52290 FRANÇOIS, A., LEROY, A. M., and LERY, G. Le sort des radicaux méthoxy au cours de la digestion des pectines et lignines par les bovins. Acad. des Sci. Compt. Rend. 232:1323-1325. Mar.28,1951. 505 P21
- 52291 FROHMÜLLER, C. Endometritis y metroperitonitis en las vacas lecheras y yeguas; tratamiento racional de estas enfermedades. Ganadería [Madrid] 9: 32-33. Jan.1951. 49 G15
- 52292 GALL, L. S., and HUHTANEN, C. N. Criteria for judging a true rumen organism and a description of five rumen bacteria. J. Dairy Sci. 34:353-362. Ref. Apr.1951. 44.8 J822
- 52293 GARCÍA, F. Retículo - pericarditis traumática. Lérica Ganad. (ser.3)121:222-223. Nov.1950. 41.8 L56
- In a cow.
- 52294 GOERTTLER, V. Statistische erhebungen über verbreitung und bekämpfung der trichomonaden-seuche in Thüringen. Monatsh. f. Vetmed. 6:43-48. Feb.1,1951. 41.8 M742
- Cattle.
- 52295 GONZALEZ PORTALES, L. Cuando se equivoca la naturaleza; un becerro con dos cabezas. Ganadería [Madrid] 9:20-21. Jan.1951. 49 G15
- 52296 GOOD, G. H., and KINGMAN, H. E. Brucellosis. Cow Country 78(9):7. Mar.1951. 49 C83
- 52297 GORBACHEVA, A. P., LEONOVICH, V. V., and BOGDANOVA, E. M. Changes in the nitrogenous compounds of feeds and microbiological processes in rumen of calves. (In Russian.) Vsesoŭzn. Nauch. Issled. Inst. Zhivotn. Trudy 18:242-261. Ref. 1950. 49.9 R92
- 52298 GOTZE, R. Differentialdiagnostisches zur intrakutanen tuberkulinprobe beim rinde. Deut. Tierärztl. Wchnschr. 58:113-116. Apr.15,1951. 41.8 D482
- 52299 GRAU, H. Der schutz der deutschen rinderzucht gegen die seuchengefahr. Tierzüchter 3:130-133. Mar.5,1951. 49 T445
- 52300 GUILHON, J. Intoxication des bovidés par la fougère aigle [Pteris aquilina]. Acad. d'Agr. de France. Compt. Rend. 36:700-703. Dec.13/20,1950. 14 P215Bc
- 52301 HARRISON, E. S. Good udders are born; inheritance is fundamental, but care contributes to length of usefulness; five factors that shorten productive life. Holstein-Friesian World 48:859-861. Apr.21,1951. 43.8 H742
- 52302 HARSHFIELD, G. S. Bovine leptospirosis. Iowa Vet. 22(3):9-11,22,34. Ref. May/June 1951. 41.8 Io9
- 52303 HART. Problems in management affecting disease control. Calif. Cattleman 1951:5,19-22. Apr. 1951. 43.8 C12
- Genetics, nutrition, parasitism, and microbiology in relation to management.
- 52304 HERMAN, H. A., and EDMONDSON, J. H. Factors affecting the interval between parturition and first estrus in dairy cattle. Mo. Agr. Expt. Sta. Res. B. 462, 8 p. Sept.1950. 100 M693
- 52305 HIGNETT, P. G. Vibrio fetus infection in cattle. Vet. Rec. 63:268-269. Ref. Apr.14,1951. 41.8 V641
- 52306 HOGREVE, F. Tbc-resistenzuntersuchungen als aufgabe der konstitutionsforschung. Tierzüchter 3:91-93. Feb.20,1951. 49 T445
- Cattle.
- 52307 HOLMES, J. R. Carbohydrate metabolism in the bovine. I-II. J. Compar. Path. & Ther. 61:1-25. Jan.1951. 41.8 J82
- I, Intravenous glucose tolerance in the healthy cow; p.1-14; II, Intravenous glucose tolerance in various diseases, including clinical ketosis, p.15-25.
- 52308 IDENTICAL twin calves for research. Agr. Gaz. N. S. Wales 62:73-76. (Cont.) Feb.1,1951. 23 N472
- 52309 JEPSEN, A., and VINDEKILDE, T. The occurrence and significance of agglutinins in the genital organs of Brucella-infected cows. Amer. J. Vet. Res. 12: 97-99. Apr.1951. 41.8 Am3A
- 52310 JÍLEK, J. The extraction of a foreign body from the oesophagus in cattle. (In Czech.) Časopis Českoslov. Vet. 5:618-619. Dec.25,1950. 41.8 C27
- 52311 JÍLEK, J. Vaginal neoplasma in a cow. (In Czech.) Časopis Českoslov. Vet. 5:569. Dec.10,1950. 41.8 C27
- 52312 JOHNSON, S. D. Mastitis appears in a new form. Farm Res. [N. Y. State Sta.] 17(2):4. Apr.1951. 100 N48A
- In a New York State dairy herd.
- 52313 KATO, J. Nyugyu shinsa zukai [Illustration of cow examination]. Tokyo, Sangyo Tosho, 1950. 78 p. 444 K152
- 52314 KENDRICK, J. W. Vibriosis in cattle. (Abs.) Calif. Vet. 4(4):20. Mar./Apr.1951. 41.8 C12
- Vibrio fetus.
- 52315 KIBLER, H. H., and BRODY, S. Environmental physiology with special reference to domestic animals. X. Influence of temperature, 50° to 95° F, on evaporative cooling from the respiratory and exterior body surfaces in Jersey and Holstein cows. Mo. Agr. Expt. Sta. Res. B. 461,19 p. Ref. Sept.1950. 100 M693
- 52316 KIBLER, H. H., and BRODY, S. Environmental physiology with special reference to domestic animals. XI. Effects of temperature, 50° to 105° F and 50° to 90° F on heat production and cardiorespiratory activities in Brahman, Jersey and Holstein cows. Mo. Agr. Expt. Sta. Res. B. 464,18 p. Sept.1950. 100 M693
- 52317 KING, N. B. Capillary tube method for conducting the Brucella-strained antigen milk test. Amer. J. Vet. Res. 12:75-80. Ref. Apr.1951. 41.8 Am3A
- 52318 KNOTT, C. B. Calf scours, its prevention and cure. Pa. Farmer 144:312,343. Apr.14,1951. 6 P383
- 52319 KONOVALOV, A. I. Study of immunity phases in cows which had recovered from brucellosis. (In Russian.) Veterinariia 27(12):18-19. Dec.1950. 41.8 V6426
- 52320 LEVANTIN, D. L. Peculiarities of growth and development of [cattle] hybrids of different breeds. (In Russian.) Vsesoŭzn. Nauch. Issled. Inst. Zhivotn. Trudy 18:189-206. Ref. 1950. 49.9 R92
- 52321 LOMBARD, L., MORGAN, B. B., and MCNUTT, S. H. Some pathologic alterations of the bovine oviduct. Amer. J. Vet. Res. 12:69-74. Ref. Apr.1951. 41.8 Am3A
- 52322 MCDIARMID, A. The vaccination of pregnant cattle with strain 19 Br. abortus vaccine during an outbreak of brucellosis in a dairy herd. Vet. Rec. 63:265-268. Ref. Apr.14,1951. 41.8 V641
- 52323 MCMANUS, E. C., and others. Experimental evaluation of six halogenated sulfapyrimidines in cattle. Amer. J. Vet. Res. 12:81-84. Apr.1951. 41.8 Am3A
- S. F. Scheidy, B. J. Angstadt, S. E. McKinney, A. A. Pitt, and G. S. Schuchardt, joint authors.
- 52324 MATTISON, J. R. Idiopathic pulmonary emphysema in a cow. Iowa State Col. Vet. 13:110-111. 1951. 41.8 V6425
- 52325 MAYHEW, R. L. Studies on bovine gastrointestinal parasites. XVIII. Some results of feeding small amounts of phenothiazine on pure infections of the nodular worm, Oesophagostomum radiatum. Helminthol. Soc. Wash. Proc. 18:70-77. Jan.1951. 436.9 H36
- 52326 MELAMPY, R. M., PORTER, J. C., and CHENG, D. W. Histochemical reactions of bovine spermatozoa. (Abs.) Anat. Rec. 109:403. Feb.1951. 447.8 An1
- 52327 NAFTALIN, J. M., and CUSHNIE, G. H. Pathology of bracken poisoning. Vet. Rec. 63:332. May 5,1951. 41.8 V641
- In cattle.
- 52328 NEWHOOK, J. C. Treatment and prevention of some diseases in dairy cows. Massey Agr. Col. Dairy-farming Annu. 3:69-71,73,75-76. Nov.1950. 44.9 M382
- Includes discussion.

- 52329 NORTHERN TERRITORY, AUSTRALIA. ADMINISTRATOR. ANIMAL INDUSTRY DIV. Pleuropneumonia vaccine; ample supplies in Alice Springs. Alice Springs, 1950. 4 p. 41 N812P
Cattle.
- 52330 PETERSON, J. E. Leptospirosis of cattle and pigs in Western Australia. *Austral. Vet. J.* 27:40-43. Feb. 1951. 41.8 Au72
- 52331 PIANA, G. Düren disease - feeding with soybeans - methionine deficiency (experimental considerations and researches). III. (In Italian.) *Riv. di Zootec.* 23:384-390. Ref. Dec. 1950. 49 R52
Experimental research with rats.
- 52332 PLANK, G. M. V. D., and MERKENS, J. Big or little cows? (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:312-313. Apr. 15, 1951. 41.8 T431
- 52333 PRATHER, C. Johne's disease. *Sowest. Vet.* 4:29, 31. Jan. 1951. 41.8 So82
In dairy cattle in Oklahoma.
- 52334 PRIOUZEAU, M. Purpura hémorragique essentiel des Bovidés. *Rec. de Méd. Vét.* 127:74-83. Feb. 1951. 41.8 R24
- 52335 RAGSDALE, A. C., and others. Environmental physiology with special reference to domestic animals. IX. Milk production and feed and water consumption responses of Brahman, Jersey, and Holstein cows to changes in temperature, 50° to 105° F. and 50° to 8° F. *Mo. Agr. Expt. Sta. Res. B.* 460, 28 p. Sept. 1950. 100 M693
H. J. Thompson, D. M. Worstell, and S. Brody, joint authors.
- 52336 REILLY, L. V. Human tuberculosis of bovine origin in Northern Ireland. *J. Hyg.* 48:464-471. Ref. Dec. 1950. 44.8 J82
- 52337 REINHARD, K. R. Bovine leptospirosis. *Iowa State Col. Vet.* 13:93-95. Ref. 1951. 41.8 V6425
- 52338 RIEDER, J. Wie lange braucht eine kuh, um das während einer fütterungszeit aufgenommene futter in milch umzuwandeln? *Grüne* 79:37-41. Jan. 12, 1951. 17 Sch9
- 52339 ROBERTS, S. J., and DYE, J. A. The treatment of acetoneuria in cattle by continuous intravenous injection of glucose. *Jen-Sal J.* 1951:14-15, 25. May 1951. 41.8 J45
- 52340 ROBINSON, V. B. Nasal granuloma—a report of two cases in cattle. *Amer. J. Vet. Res.* 12:85-89. Ref. Apr. 1951. 41.8 Am3A
- 52341 ROUX, L. Brucellose et tuberculose II. 1-2. *Schweiz. Arch. f. Tierheilk.* 93:176-184. Mar. 1951. 41.8 Sch9
1, Fréquence comparée du bacille de Koch et du bacille de Bang dans le lait; 2, Réaction positive à la tuberculine de cobayes infectés avec des laits contenant du bacille de Bang.
English summary.
- 52342 SAFARIK, F. Experiences with the percutane and epicutane tuberculin test in cattle. (In Czech.) *Casopis Českoslov. Vet.* 5:560-565. Ref. Dec. 10, 1950. 41.8 C27
French summary.
- 52343 SAVEL'EV, A. S. On the effect of vacuum on condition of mammary gland in cows during machine milking. (In Russian.) *Vsesoiuzn. Nauch. Issled. Inst. Zhivotn. Trudy* 18:153-160. 1950. 49.9 R92
- 52344 SELLERS, A. F., and HEMINGWAY, A. Direct measurement of arterial and venous pressures in cattle using the electromanometer. *Amer. J. Vet. Res.* 12:90-96. Ref. Apr. 1951. 41.8 Am3A
Dairy cattle.
- 52345 SENIAGIN, I. A. Some data on the type of Tuvian cattle based on osteo and craniometric investigations. (In Russian.) *Tuvinskaf Sel'skokhoz. Opytn. Sta. Trudy* 2:121-133. Ref. 1950. 106 T89
- 52346 SINESHCHEKOV, A. D., and SAVEL'EV, A. S. Digestion and digestibility of nutritive substances in cows. (In Russian.) *Vsesoiuzn. Nauch. Issled. Inst. Zhivotn. Trudy* 18:138-152. 1950. 49.9 R92
- 52347 SINHA, K. C. Brucellosis of milch animals in India. *Indian Farming* 11:188-190. May 1950. 22 In283
- 52348 SNOW, B. V. Strange, new disease threatens herds; unheralded, unwanted, unseen—a deadly, microscopic organism has ruined some good dairy herds; League gets help for scientific attack. *Dairymen's League News* 35(9):3, 16. May 1, 1951. 44.8 D1432
Leptospirosis.
- 52349 SORENSEN, D. K. Foot rot in cattle. *Holstein-Friesian J.* 14:56. Apr. 1951. 43.8 H743
- 52350 STABLEFORTH, A. W. Penicillin in der tierheilkunde. *Allgäuer Bauernbl.* 19:227-228. Apr. 26, 1951. 18 AL53
- 52351 STALLCUP, O. T., and HERMAN, H. A. Some factors affecting the carotenoid and vitamin A levels in the blood and milk of dairy cattle. *Mo. Agr. Expt. Sta. Res. B.* 457, 56 p. Ref. July 1950. 100 M693
- 52352 STUART, P. An outbreak of bovine mastitis from which yeasts [*Candida* sp.] were isolated, and attempts to reproduce the conditions experimentally. *Vet. Rec.* 63:314. Apr. 28, 1951. 41.8 V641
- 52353 SZUMOWSKI, P. Contribution à l'étude du passage dans le lait d'oestrogènes synthétiques implantés sous la peau de génisses. *Rec. de Méd. Vét.* 127:84-91. Ref. Feb. 1951. 41.8 R24
- 52354 TEERI, A. E., and others. Effects of method of preservation of roughage, and of cane or wood molasses on vitamin excretion by cows. *J. Dairy Sci.* 34:299-302. Apr. 1951. 44.8 J822
D. Josselyn, N. F. Colovos, and H. A. Keener, joint authors.
- 52355 TERRY, J. Sinusitis and enucleation of eye of a cow. *Iowa State Col. Vet.* 13:109. 1951. 41.8 V6425
- 52356 THESING, B. Der einfluss der follikel-hormons auf die oeffnung der geburtswege bei geburts-bereitschaft. *Deut. Tierärztl. Wchnschr.* 58:118-119. Apr. 15, 1951. 41.8 D482
Cattle.
- 52357 THOMAS, E. F. Problems in cattle practice. *M. S. C. Veterinarian* 11:115-117, 126. Spring 1951. 41.8 M582
Traumatic pericarditis; milk fever; epinephrine hydrochloride in milk fever; acetoneuria; mastitis; cervicitis and metritis.
- 52358 THOMAS, J. W., and MOORE, L. A. Variations in heart rate of dairy cows. *J. Dairy Sci.* 34:321-328. Ref. Apr. 1951. 44.8 J822
- 52359 TURNER, C. W. The skeletal structure and conformation of the dairy cow. I. Anatomy of the udder. *Guernsey Breeders' J.* [Peterborough] 82:13-15, 32. May 2, 1951. 43.8 G93
- 52360 VAWTER, L. R. White muscle disease of calves and lambs. *M. S. C. Veterinarian* 11:104-107. Ref. Spring 1951. 41.8 M582
Deficiency disease of new-born animals caused by deficient diet in mother during pregnancy, treated with tocopherol.
- 52361 VERLINDE, J. D. Cow pox in man. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:334-342. Ref. May 1, 1951. 41.8 T431
English summary.
- 52362 WACKENREUTHER, K. Behandlungsversuch mit "penicillin" bei kälberlähme. *Wien. Tierärztl. Monatsschr.* 38:249-250. Apr. 1951. 41.8 T345
With discussion by K. Diernhofer.
- 52363 WATTS, R. M. Ophthalmia or blight in dairy cattle. *Milk Bd. J.* 2:68. Feb. 15, 1951. 44.8 M5934
- 52364 WEGNER, A. M. R. The cause of the enormous proportions and the extraordinary shape of some buffalo horns from the island of Sumba. *Hemera Zoa* 57:708-710. Nov. 1950. 41.8 V51
- 52365 WIESENDANGER, H. Die klauenpflege beim rindvieh jetzt wieder vornehmen! *Grüne* 78:1441-1443. Dec. 29, 1950. 17 Sch9
- 52366 WIESSNER, F., and WIESSNER, W. Ein orthopädischer klauenbeschlag beim rind. *Wien. Tierärztl. Monatsschr.* 38:251-253. Apr. 1951. 41.8 T345
- 52367 WILLE, R. Die laxierperioden des rindes und ihre verhütung durch rationelle futterbewirtschaftung. *Monatsh. f. Vetmed.* 6:73-76. Feb. 15, 1951. 41.8 M742
- 52368 WOLF, Gedanken zur Tbc-bekämpfung beim rind. *Allgäuer Bauernbl.* 19:190. Apr. 5, 1951. 18 AL53
- 52369 WUNDER, R. Caesarean section in a dwarf cow. *Iowa State Col. Vet.* 13:106-108. 1951. 41.8 V6425
- 52370 YOHE, R. S. Brucellosis endangers your family! Let's quit kidding ourselves about this menace to rural health. *Prairie Farmer, Gen. Ed.* 123(8):1, 62. Ref. Apr. 21, 1951. 6 P883

Miscellaneous

- 52371 ADAIR, A. Making milk records talk. *Farming News & No. Brit. Agr.* 103(11):2. Mar. 16, 1951. 10 N82
- 52372 ALLEN, A. V., and BUCHANAN, J. S. How to profit with beef cattle. *Carolina Co-op.* 29(4):16-17, 29. Apr. 1951. 72.8 N81
- 52373 ANGELL, G. N. With beef cattle type isn't enough. *Idaho Farmer* 69:349, 374. May 3, 1951. 6 G282
Ability to gain weight and convert feed into meat.
- 52374 BEGUCHEV, A. P. Tuvian cattle. (In Russian.) *Tuvinskaf Sel'skokhoz. Opytn. Sta. Trudy* 2:134-146. Ref. 1950. 106 T89
Meat and milk production.

- 52375 BENNETT, J. A. Value of body measurements for estimating weight and condition in steers. *Farm & Home Sci.* [Utah Sta.] 12:3. Mar.1951. 100 UtiF
- 52376 BLANCO BLANCO, A. Mas sobre la ley que prohíbe la matanza de vaquillas. *Campesino* [Santiago] 83(2):46. Feb.1951. 9.3 So12
- Chile.
- 52377 CHRISTOPH. Vor dem ersten weideauftrieb. *Deut. Landwirt.* 2:131-133. Mar.1951. 18 D4822
- Cattle care and pasture management.
- 52378 DEBEL-AIR, J. L'élevage bovin. *Libération Paysanne* 8(305):5-6. Mar.30,1951. 14 L61
- France.
- 52379 DECOUSSEMAKER, W. Considerations sur la traite à la main et à la machine. *Annu. Agr. et Hort.* (1949/50)2:71-80. 1950. 13 An7
- 52380 DOMINGUES, O. The buffalo as a farm animal. (In Portuguese.) *Rev. de Agr.* [Piracicaba] 26:48-51. Jan./Feb.1951. 9.2 R324
- 52381 EISENHOFER, F. Die 1000. kuh und der 10. stier in das deutsche rinderleistungsbuch eingetragen. *Tierzüchter* 3:225-226. Apr.20,1951. 49 T445
- 52382 ELAM, F. L. Tips on calf care. *West. Dairy J.* 7(6):9,29-31. Apr.1,1951. 44.8 W524
- 52383 ELLIS, F. E. More straw needed for loafing barns. *Family Herald & Wk. Star* 82(11):8,23. Mar.15, 1951. 7 F21
- 52384 FAVERA, R. DALLA. Cattle raising in the open at 700 meters above sea level. (In Italian.) *Humus* 7(3):21-23. Mar.1951. 16 H88
- Italy.
- 52385 FISCHER. Die auswertung der milchleistungsprüfungen. *Württemb. Wchnbl. f. Landwirt.* 118:265. Mar.31,1951. 18 W96
- 52386 GASSNER. Vorbereitungsmaßnahmen für die kommende weidezeit! *Allgäuer Bauernbl.* 19:225-226. Apr.26,1951. 18 AL53
- Cattle care.
- 52387 HERMAN, H. A. Managing the dairy herd under emergency conditions. *Jersey B.* 70:621,652-655. May 10,1951. 43.8 J48
- 52388 HOBBS, J. W. The Great Glen cattle ranch. *Scot. Agr.* 30:181-183. Spring 1951. 10 Sco82So
- 52389 HOOVER, J. E. Cattle rustling—1951 style. *Amer. Cattle Prod.* 32(11):13-14. Apr.1951. 49 P94
- 52390 JUERGENSEN, E. M. Approved practices in beef cattle production. *Danville, Ill.*, 1951. 248 p.
- 43 J93
- 52391 KIRSCH, W., and PARAU, D. Versuche mit dem schnellmelkverfahren. *Kieler Milchwirt. Forschber.* 2:307-317. 1950. 44.9 K542
- 52392 LANIER, P. Les enseignements du Concours Général Agricole: classement de synthèse et concours de carcasses. *Vie Lait.* 7(128):3. Mar.30,1951. 44.8 V67
- 52393 LEGEAR, D. H. Summer care of dairy cattle. *Carolina Co-op.* 29(5):16-17. May 1951. 72.8 N81
- 52394 LETARD, E. Sur l'abattage prématuré des veaux. *Acad. d'Agr. de France. Compt. Rend.* 37:146-148. Feb.7/14,1951. 14 P215Bc
- 52395 LIVINGSTON, C. J. Judging beef cattle. *Ala. Farmer* 30(6):5,12-13. Mar.1951. 276.8 AL1
- 52396 MCMEKAN, C. P. Recommended techniques in dairymaking. *Massey Agr. Col. Dairyfarming Annu.* 3:7-9,11,13,15-17. Nov.1950. 44.9 M382
- Cattle care.
- Discussion, p. 38-39.
- 52397 MARTIN, Y. L'élevage des veaux. *Annu. Agr. et Hort.* (1949/50)2:85-88. 1950. 13 An7
- 52398 MEREGALLI, A. Influence of the system of feeding and of the number and regularity of milkings on the milk production of dairy cattle. (In Italian.) *Riv. di Zootec.* 23:396-401. Dec.1950. 49 R52
- 52399 MIDDLETON, T. H. Moving forward together—L. S. U. [Louisiana State University] and the cattle industry. *Gulf Coast Cattleman* 17(3):17-19. May 1951. 43.8 G95
- 52400 MORLEY, A. More beef—and milk—for the nation; concentration on dairy type no service to our economy. *J. Red Poll Breed* 27(99):30-32. Spring 1951. 43.8 J82
- Dual purpose cattle for Great Britain.
- 52401 NEWELL, P. For a sound investment—cattle and pastures. *Prog. Farmer, Miss.-Ark.-La. Ed.* 66(4):15. Apr.1951. 6 So81
- 52402 NORTH CAROLINA UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Profits with a cow-and-calf program. *N. C. Agr. Col. Ext. Folder* 79,6 p. Feb.1951. 275.29 N811Ex
- Beef cattle management.
- 52403 OHL, R. Mehr nahrung ohne mehrproduktion durch eine verwaltungsmassnahme—ein beitrag zum Fünfjahrplan. *Deut. Landwirt.* 2:184-185. Apr.1951. 18 D4822
- Slaughtering policy for calves.
- 52404 PIETTRE, M. L'abattage prématuré des veaux. *Acad. d'Agr. de France. Compt. Rend.* 37:151-156. Feb.21/28,1951. 14 P215Bc
- Includes discussion.
- 52405 RAMIREZ S., C. A. Diferentes sistemas de explotación del ganado destinado a la producción de leche. *Agrario* 15(419):22-23. Dec.1950. 9.3 Ag85
- 52406 ROBERTSON, J. G. The famous cattle sales at Perth [Scotland]. *Family Herald & Wk. Star* 82(11):10, 11. Mar.15,1951. 7 F21
- 52407 SHULTZ, E. N. Watch that line! Type classification has given us a definite picture on how our cows really look. *Guernsey Breeders' J.* [Peterborough] 82:18-19. May 2,1951. 43.8 G93
- 52408 THORPE, B. A. Factors in germ control. *Milk Bd. J.* 2:119. Feb.15,1951. 44.8 M5934
- Milking sanitation.
- 52409 TIMMERMANS, J. Soon the cows are going out of doors. (In Dutch.) *Boer en Tuinder* 5(218):8. Mar.24, 1951. 12 B632
- 52410 TOLONEN, K. Inspection work during the year 1949/1950. (In Swedish.) *Ladugården* 1951:4-8. Jan.1951. 44.8 L12
- 52411 TURK, K. L. Brief glances of dairy farming in England. *Dairymen's League News* 35(10):6-7. May 15, 1951. 44.8 D1432
- 52412 WALTERS, A. H. Hypochlorite in the cowshed. *Dairymen* 68:257-259,265. May 1951. 44.8 D1426
- 52413 WARD, A. H. Examples of devices in practical operation. *Massey Agr. Col. Dairyfarming Annu.* 3:89, 91-92. Nov.1950. 44.9 M382
- Chiefly on improved milking technique.
- 52414 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Classification for dairy cattle. *Wash. State Col. Ext. Mimeog.* 991,1 p. 1951? 275.29 W27M1
- Recommended for use in Washington fairs.
- 52415 WEHMEYER, W. Leistungsmelken in Weser-Ems. *Tierzüchter* 3:44-45. Jan.20,1951. 49 T445
- 52416 WOLF. Das ist wahre aufbauarbeit. *Allgäuer Bauernbl.* 19:226-227. Apr.26,1951. 18 AL53
- Cattle records and testing.
- 52417 ZORN. Die boden- und klimatischen voraussetzungen für deutsche rinderrassen in der welt. *Tierzüchter* 3:124-126. Mar.5,1951. 49 T445

DOGS AND CATS

Breeds and Breeding

- 52418 ANDREAS, K. Zur frage der einkreuzung von langhaarblut bei deutsch-drahthaar. *Pirsch* 3:64-66. Jan.20,1951. 410 P66
- 52419 ARLINGTON, V. Dachshunds are dogs of character. *All-Pets Mag.* 22(4):43-44. Apr.1951. 48.8 AL5
- 52420 CORSINI, D. T. Sheepdog of the Maremma and the Apennines. *Country Life* [London] 109:1211, 1213. Apr.20,1951. 80 C83
- 52421 DEUTSCHEN DOGGEN-CLUB. Zuchtbuch für deutsche Doggen, v. 26/27. Leipzig, Born, 1950. 82 p. 48.9 D482
- 52422 DOBERMANN-VEREIN. Zuchtbuch; zucht-jahrgang 1943, 1944 und 1945, v. 30/31. Berlin, 1951? 99 p. 48.9 V583
- 52423 HOYT, H. B. Your poodle. New York, Putnam, 1951. 141 p. 48 H85
- 52424 MOORHOUSE, S. The British sheepdog. London, Witherby, 1950. 226 p. 48 M78
- Border Collie and Old English Sheepdog.
- 52425 STETSON, J. German pointing breeds. Are they the answer to present day gunning conditions? Will they help to solve the problem of the one-dog kennel? *Field & Stream* 56:133-134. May 1951. 410 F45
- Shorthair, Wirehair, and Weimaraner.
- 52426 TAYNTON, M. Successful kennel management; how to make money breeding and boarding dogs. New York, McGraw-Hill, 1951. 213 p. Ref. 48 T21

Feeds and Feeding

- 52427 HUBBS, E. L. Food habits of feral house cats in the Sacramento Valley. *Calif. Fish & Game* 37:177-189. Ref. Apr.1951. 410 C12
- Stomach contents shows insects included in diet.

Veterinary Medicine

- 52428 ALLAM, M. W. Diagnosis and prognosis in foreleg paralysis in the canine. *Vet. Excerpts* 11:27-31. 1951. 41.8 V6419
- 52429 BRINKER, W. O., and WASSERMAN, B. Surgical correction of a rachitic deformity in a dog. *M. S. C. Veterinarian* 11:131-132. Spring 1951. 41.8 M582
- 52430 CHRISTOPH, H. J. Beitrag zur statistik und therapie der erkrankungen des auges und der augenhilfsorgane des hundes, unter besonderer berücksichtigung der konjunktivitis. *Monatsh. f. Vetmed.* 6:53-57. Ref. Feb. 1, 1951. 41.8 M742
- 52431 CLEMENTE, C. D., and others. Regeneration of the transected spinal cord of adult cats. (Abs.) *Anat. Rec.* 109:280. Feb. 1951. 447.8 An1
- W. W. Chambers, L. Greene, S. Q. Mitchell, and W. F. Windle, joint authors.
- 52432 COLGLAZIER, M. L., and ENZIE, F. D. Notes on caricide as an anthelmintic for cats and dogs. *Helminthol. Soc. Wash. Proc.* 18:50-52. Jan. 1951. 436.9 H36
- 52433 COOPERSTEIN, S. J. The distribution of succinic dehydrogenase and cytochrome oxidase in the nervous tissues of the dog. (Abs.) *Anat. Rec.* 109:284. Feb. 1951. 447.8 An1
- 52434 DALY, M. DE B., and MOUNT, L. E. The origin, course and nature of bronchomotor fibres in the cervical sympathetic nerve of the cat. *J. Physiol.* 113: 43-62. Ref. Mar. 19, 1951. 447.8 J82
- 52435 DAVIS, E. A. Every day problems of cat practice. (Excerpts.) *M. S. C. Veterinarian* 11:127-131. Spring 1951. 41.8 M582
- Estrus periods; handling; common ailments; infectious diseases; genito-urinary system; surgery.
- 52436 DICK, G. H., and CHAPPELL, C. N. Effects of streptomycin on chronic otorrhea [in dogs]. *Vet. Rec.* 63:333. May 5, 1951. 41.8 V641
- 52437 EADS, F. E., and BARNER, R. D. Infectious canine hepatitis: a case report. *M. S. C. Veterinarian* 11: 124. Spring 1951. 41.8 M582
- 52438 EGGLETON, M. G., and HABIB, Y. A. Urinary excretion of phosphate in man and the cat. *J. Physiol.* 111:423-436. Ref. Oct. 16, 1950. 447.8 J82
- 52439 EL HINDAWY, M. R. Studies on the blood of dogs. V. Haematological findings in dogs suffering from (a) teeth diseases; (b) skin diseases. *Brit. Vet. J.* 107: 156-161. Ref. Apr. 1951. 41.8 V643
- 52440 FRANCESCHINI, G. Contribution à l'étude du lait de chienne; lait normal, laits anormaux. Paris, Foulon, 1950. 62 p. 48 F84
- Thèse - École Nationale Vétérinaire d'Alfort.
- 52441 HOLCOMB, P. N., JR. Myiasis in a dog. *Southwest. Vet.* 4(2):27,29. Jan. 1951. 41.8 So82
- Callitroga americana infestation following injury.
- 52442 HOLMES, R. Blood groups in cats. (Abs.) *J. Physiol.* 111:61 P. Oct. 16, 1950. 447.8 J82
- 52443 INNES, J. R. M. Myopathies in animals; a record of some cases including progressive muscular dystrophy (pseudo-hypertrophic) (dog), "weisses fleisch" (lamb), neuropathic muscular atrophy (sheep) and lymphocytic/histiocytic myositis, neuritis, radiculitis (dog). *Brit. Vet. J.* 107:131-143. Ref. Apr. 1951. 41.8 V643
- 52444 JAMES, O. D. Prolapse of the bladder in Spaniel bitch. *Vet. Rec.* 63:294. Apr. 21, 1951. 41.8 V641
- 52445 KEEP, J. M. Filaroides (Oslerus) osleri infestation in conjunction with a generalised infection in a Greyhound. *Austral. Vet. J.* 27:43-45. Feb. 1951. 41.8 Au72
- 52446 LATIMER, H. B. The growth of the kidneys and the bladder in the fetal dog. *Anat. Rec.* 109:1-12. Ref. Jan. 1951. 447.8 An1
- 52447 MAGRANE, W. G. Canine ophthalmology. *M. S. C. Veterinarian* 11:109,115. Spring 1951. 41.8 M582
- 52448 MATZKE, H. A. The topography of the nucleus ambiguus of the cat. (Abs.) *Anat. Rec.* 109:323. Feb. 1951. 447.8 An1
- 52449 MEHLER, W. R. An analysis of the lumbar sympathetic trunk in the dog. (Abs.) *Anat. Rec.* 109:325. Feb. 1951. 447.8 An1
- 52450 MEHLS, H. J. Weitere beobachtungen über die canicola-leptospirose bei mensch und hund. *Tierärztl. Umschau* 6:115-118. Ref. Apr. 1951. 41.8 T445
- 52451 MELLO, M. J. Verminoses of the dog. (In Portuguese.) *Biológico* 16:233-240. Dec. 1950. 442.8 B529
- 52452 MÉRY, F. Contribution à l'étude de l'action mamotrope et lactotrope du sérum de Bovidés. *Rec. de Méd. Vét.* 127:147-152. Mar. 1951. 41.8 R24
- Effects on dogs.
- 52453 MICHÁLEK, J. Prophylactic and therapeutic immunisation against canine distemper. (In Czech.) *Časopis Českoslov. Vet.* 5:566-568. Ref. Dec. 10, 1950. 41.8 C27
- French summary.
- 52454 MORRIS, R. E. The differentiation of connective tissue from argyrophilic fibers within the kidney of the cat. (Abs.) *Anat. Rec.* 109:327-328. Feb. 1951. 447.8 An1
- 52455 MURRELL, T. W., JR. Microsporum audouinii isolated from a dog. *Arch. Dermat. & Syph.* 63:638. May 1951. 448.8 Ar242
- Cause of scalp ringworm of man.
- 52456 NOVAZZI, G. On a case of gross splenic hematoma in the dog. (In Italian.) *Clin. Vet.* 74:48-55. Ref. Feb. 1951. 41.8 C61
- English summary.
- 52457 NOYAN, F. Observations on some of the liver function tests in dogs. Ohio. State U. Abs. Doct. Diss. 60:241-242. Spring Q. 1948/49. 241.8 Oh3
- 52458 OLIVE, J. R. The effect of intravenous injection of oil of Chenopodium in the treatment of the dog whipworm, Trichuris vulpis (Froelich, 1789). (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:83. Oct. 1950. 500 C717
- 52459 PARRY, H. B. Recent advances in canine medicine, with particular regard to blindness, viral hepatitis and post-infective neurological disorders. *Vet. Rec.* 63:323-326. May 5, 1951. 41.8 V641
- 52460 POLLEY, E. H. An analysis of the nerves along blood vessels in skin and striated muscle of the hindlimb of the cat. (Abs.) *Anat. Rec.* 109:338-339. Feb. 1951. 447.8 An1
- 52461 REDDING, R. W. Laminectomy in the dog. *Amer. J. Vet. Res.* 12:123-128. Ref. Apr. 1951. 41.8 Am3A
- 52462 REINHOLD, G. Über das relative schilddrüsen-gewicht des hundes im Wiener Stadtgebiet. *Wien. Tierärztl. Monatsschr.* 38:240-245. Ref. Apr. 1951. 41.8 T345
- 52463 RISER, W. H. Hard pad disease. *Sowest. Vet.* 4(2):11. Jan. 1951. 41.8 So82
- 52464 SANDBERG, H. P. Ascites in a German Shepherd dog. *Iowa State Col. Vet.* 13:106. 1951. 41.8 V6425
- 52465 SCHRICKER, R. Foreign body in the intestine of a Beagle. *Iowa State Col. Vet.* 13:105-106. 1951. 41.8 V6425
- Surgical removal of piece of corn-cob.
- 52466 SWEEBE, E. E. Fluid therapy in small-animal practice. *No. Amer. Vet.* 32:242-245. Apr. 1951. 41.8 N812
- 52467 THIÉRY, G. La fièvre rhumatismale du chien. "Maladie du collagène." *Rec. de Méd. Vét.* 127:129-142. Mar. 1951. 41.8 R24
- 52468 WALES, K. J. Infectious canine hepatitis. *Iowa State Col. Vet.* 13:108-109. 1951. 41.8 V6425

Miscellaneous

- 52469 BEAMISH, H. V. Dogs that worry sheep. *Country Life* [London] 109:789,791. Mar. 16, 1951. 80 C83
- 52470 BECKER, R. It's easy to raise and train a puppy in your house or apartment. Garden City, N.Y., Garden City Pub., 1950. 92 p. 48 B381
- 52471 FRANCO, A. Los primeros concursos de perros de pastor en España. *Ganadería* [Madrid] 9:6-8. Jan. 1951. 49 G15
- 52472 LEITCH, A. The wolf dogs of Labrador; endurance, stamina, and sharp, eager teeth characterize these intelligent and indispensable animals. *Family Herald & Wk. Star* 82(11):36-37. Mar. 15, 1951. 7 F21
- 52473 LOWRY, R. K. Dog-bathing mania. *All-Pets Mag.* 22(4):41-42. Apr. 1951. 48.8 AL5
- 52474 LOWRY, R. K. Dogs of the underground. *All-Pets Mag.* 22(3):37,41. Mar. 1951. 48.8 AL5
- Dogs kept in basements.
- 52475 MELLO, A. T. DE. Something about the dog. (In Portuguese.) *Fauna* [São Paulo] 10:12-13. Jan. 1951. 410 F272
- Origin, zoological position.
- 52476 PERRY, R. Sheep-dogs in the Highlands. *Country Life* [London] 109:341,343-344. Feb. 2, 1951. 80 C83
- 52477 RICKETTS, V. L. How to ship a dog safely. *All-Pets Mag.* 22(3):37-40. Mar. 1951. 48.8 AL5
- 52478 VOSBURGH, F. G. Dog Mart Day in Fredericksburg. *Natl. Geog. Mag.* 99:817-832. June 1951. 470 N213
- 52479 WIMHURST, C. G. Frain your dog. *All-Pets Mag.* 22(4):39,42. Apr. 1951. 48.8 AL5

FUR ANIMALS - PEN RAISED

Breeds and Breeding

- 52480 CANADIAN NATIONAL LIVE STOCK RECORDS. Canadian national record for chinchilla, v. 1. Ottawa, Natl. Chinchilla Breeders Canada, 1950. 325 p. 412.629 C16
- 52481 GUNN, C. K. Breeding dominant white mink. Fur Trade J. Canada 28(8):18,28. Apr. 1951. 410 F965
- 52482 HUSSAR, J. I became a nutria breeder and like it. Black Fox Mag. & Mod. Mink Breeder 34(12):14, 23. Apr. 1951. 410 B56
- 52483 KAHL, H. Warum züchten wir noch nutria? Österr. Kleintierzüchter 1951:892-893. Jan. 1951. 49 Os7
- 52484 KING, A. W. Genetics of mink; a handbook for the student and rancher. Duluth, Internatl. Pub., 1951. 183 p. Ref. 412.62 K58
- 52485 OPAT, J. C. Observations and comments on the brevicaudata (boliviana) chinchilla. Fur Trade J. Canada 28(8):16-17,38. Apr. 1951. 410 F965
- 52486 PEDERSEN, R. Coypus. (In Swedish.) Våra Pälstdjur 22:82-84. Mar. 15, 1951. 410 V42
- 52487 THYKJAER, K. Good advice. (In Danish.) Dansk Pelsdyravl 14:95-97. Apr. 1, 1951. 412.628 D23
- Mink breeding.

Feeds and Feeding

- 52488 ENDER, F., and HELGEBOSTAD, A. Continued investigations on the effect of feeding on the fur quality of Silver fox. III. (In Norwegian.) Norsk Pelsdyrbl. 25:193-202. Mar. 20, 1951. 412.628 N812
- 52489 JARL, F. Reserve feed for fur animals. (In Swedish.) Våra Pälstdjur 22:75-76. Mar. 15, 1951. 410 V42
- 52490 NORDANG, J. Short cut to a good and inexpensive feeding of fur animals. (In Norwegian.) Norsk Pelsdyrbl. 25:179-180. Mar. 5, 1951. 412.628 N812
- 52491 U. S. CONGRESS. HOUSE. COMMITTEE ON THE JUDICIARY. Mink claims. Hearings, 82d Cong., 1st sess. on H. R. 846, H. R. 1568, H. R. 2591, H. R. 2592, H. R. 2776, and H. R. 2777, for the relief of various mink ranchers, Mar. 2, 5, and 9, 1951. Washington, 1951. 157 p.
- Contains statements and testimony relating to use of poultry waste as feed.

Veterinary Medicine

- 52492 FERRARA, B. Hematological study on the nutria (*Myopotamus coypus*) with special respect to the sex, and in two varieties. I. The peripheral blood. (In Italian.) Zootec. e Vet. 6:157-167. Mar. 1951. 41.8 Z7
- English summary.
- 52493 GREENLEE, H. H. The veterinarian in chinchilla practice. No. Amer. Vet. 32:254-257. Apr. 1951. 41.8 N812
- 52494 HOFFMANN, G., and BENTZ, H. Arsenvergiftung beim sumpfbiber. Monatsh. f. Vetmed. 6:71-72. Feb. 15, 1951. 41.8 M742
- 52495 KENNEDY, A. H. New infections and their treatment in mink. (Sum.) Fur Trade J. Canada 28(8):6, 31-32. Apr. 1951. 410 F965
- Nutritional diseases.
- 52496 OTT, G. L. Distemper vaccine. Brit. Fur Trade 33:115. Mar. 1951. 412.628 B77
- Minks.
- 52497 WALTER, H. H. Massnahmen zur ränzung der fleischfresser. Österr. Kleintierzüchter 1951:906-907. Feb. 1951. 49 Os7
- Foxes and minks.

Miscellaneous

- 52498 CARLSEN, J. Ø. Fur exhibitions. (In Danish.) Dansk Pelsdyravl 14:98. Apr. 1, 1951. 412.628 D23
- 52499 THE FUR FARMERS' Research Fund. Amer. Fur Breeder 24(5):10-11. May 1951. 410 Am33
- At University of Wisconsin Experiment Station.
- 52500 JACKSON, E. A. Our knowledge of mink-farming. Ed. 2, rev. Superior, Wis., Lake Superior Mink Farm, 1951. 116 p. 412.62 J13
- 52501 RAPPE, I. Round trip to the USA. (In Swedish.) Våra Pälstdjur 22:78-80. Mar. 15, 1951. 410 V42
- Mink furs and mink farms in the U. S. A.
- 52502 ROCHMANN, R. Exhibitions 1950. (In Norwegian.) Norsk Pelsdyrbl. 25:174-176. Mar. 5, 1951. 412.628 N812
- Fox and mink.

52503 SCHULTZ, W. E. Stone marten may help to diversify fur farming. Black Fox Mag. & Mod. Mink Breeder 34(12):10,19,22. Apr. 1951. 410 B56

52504 STEVENSON, J. H. F. General purpose nest box and male mating pen. Brit. Fur Trade 33:114. Mar. 1951. 412.628 B77

For minks.

52505 VILKE, K. Mink during pregnancy and parturition. (In Norwegian.) Norsk Pelsdyrbl. 25:202-203. Mar. 20, 1951. 412.628 N812

Chiefly care of kits.

HORSES AND MULES

Breeds and Breeding

52506 CLAVERO FERNANDEZ, A. La ganadería en Barcelona y Gerona; inspeccionando las paradas de sementales. Ganadería [Madrid] 8:707-710. Dec. 1950. 49 G15

Horses, asses, and mules.

52507 COCHRAN, K. The C.T.B.A. [California Thoroughbred Breeders Association] its history. Thoroughbred Calif. 12:256,277,326,352-354. (Cont.) Mar.-Apr. 1951. 42.8 T393

52508 DYER, P. Breeding mares—understanding of mare can help breeder select best mating time. West. Livestock J. 29(27):112. Apr. 15, 1951. 6 F2278

52509 HUIDEKOPER, E. Arabian endurance. West. Horseman 16(6):20,41-44. June 1951. 42.8 W522

52510 JOHNSON, C. One where two grew before. Thoroughbred Calif. 12:258-259,278. Mar. 1951. 42.8 T393

Suggestion for spaying fillies that appear to be potentially poor prospects as producers.

52511 KOGAN, A. Ia. On the industrial relationship of stud farms with collective farm horse breeding. (In Russian.) Konevodstvo 20(10):19-22. Oct. 1950. 42.8 K832

52512 KUMMER, VON. Erfolge systematischen blutaufbaus in der Oldenburger pferdezucht. Tierzüchter 3:217-220. Apr. 20, 1951. 49 T445

52513 KUTYEV, V. S. Male lines in Budennov breed of horses. (In Russian.) Konevodstvo 20(10):9-18. Oct. 1950. 42.8 K832

52514 LOEWENTHAL, K. Horse and mule breeding in Israel. (In Hebrew.) Hassadeh 31:355-357. Apr. 1951. 26 H27

52515 LÖTTER, G. J., and MILLER, P. K. Offshoots from the Arabian. 2. (In Afrikaans.) So. African Saddle Horse 2(6):4-5. Jan. 1951. 42.8 So8

52516 MCGEE, W. R. The mechanics of breeding; the early teasing of maiden mares is important; barren mares sometimes are bred too soon; a discussion of the practice of impregnation. Blood-Horse 61:808-810. Apr. 28, 1951. 42.8 T392

52517 MICHAELIS, H. The history of the Quarter Horse. Sheep & Goat Raiser 31(7):65. Apr. 1951. 45.8 Sh3

52518 NORWAY. STATENS STAMBOKKONTOR FOR HEST. Stambok over Fjordhest. 17. bandet. Hopper nr. 7290-8023. Fødde 1919-1941. [Studbook for Fjordhest. v. 17. Mares No. 7290-8023. Foaled 1919-1941]. Oslo, Grøndahl, 1950. 256 p. 42.9 N83S

52519 ORCUTT, S. R. But is he a Morgan? Morgan Horse Mag. 11(2):22-23. Apr. 1951. 42.8 M82

52520 PHELPS, F. T. Great foundation sires of the American Thoroughbred, II. *Janus and *Fearnought. West. Horseman 16(5):14,45-48. May 1951. 42.8 W522

52521 PRIETO ORTEGA, A. Por qué se quedan vacías nuestras yeguas? Agr. Burgales 18(195):7-8. Mar. 1951. 15 Ag86

52522 RAMSER, H. The NATB—an explanation. Thoroughbred Calif. 12:254-255,276-277. Mar. 1951. 42.8 T393

National Association of Thoroughbred Breeders.

52523 SPEED, J. G., and ETHERINGTON, M. G. The Exmoor pony and the place of our horses in rural economy. Brit. Vet. J. 107:144-146. Apr. 1951. 41.8 V643

52524 SPITAL. Wie wird die private hengsthaltung aus der derzeitigen pferdekrise hervorgehen? Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:479-480. Mar. 29, 1951. 18 L2346

52525 TURNER, D. Review of stallions standing in Old Dominion State; Virginia horsemen possess excellent group of top sires but like most Thoroughbred breeding centers there are a number of obscure stallions cluttering up production schedule by producing mediocre racing hostages. Thoroughbred Rec. 153(14):18-19,40,42. Apr. 7, 1951. 42.8 T39

52526 VASIL'EV, M. N. The stud farms of North-Caucasian Combine are 30 years old. (In Russian.) Konevodstvo 20(10):1-3. Oct.1950. 42.8 K832

52527 VIMPANY, T. R. The National Saddle Horse (Boerperd); impressions and comments. So. African Saddle Horse 2(6):3. Jan.1951. 42.8 So8

52528 WRAY, A. A. Breeding the Palomino. West. Horseman 16(5):24,43-44. May 1951. 42.8 W522

52529 WYNMALEN, H. Horse breeding & stud management. London, Country Life, 1950. 231 p. 42 W992

Feeds and Feeding

52530 DAY, D. I. "Complete feeds" in demand this spring. Harness Horse 16:1898. Apr.18,1951. 42.8 H22

52531 DAY, D. I. Springtime forum on summer feeds. Harness Horse 16:2094. May 16,1951. 42.8 H22 Formulas.

Veterinary Medicine

52532 AMOROSO, E. C. The decidual reaction in the mare's placenta. (Abs.) J. Physiol. 113:3 P-4 P. Mar.19, 1951. 447.8 J82

52533 BAKKER, S. On glanders control [in Indonesia]. (In Dutch.) Hemera Zoa 57:699-707. Nov.1950. 41.8 V51 English summary.

52534 BEHRENS, H., and SCHNEIDER, F. Untersuchungen über die eignung der kupfersulfatmethode zur bestimmung des gesamtweiß- und hämoglobingehaltes im pferdeblut. Monatsh. f. Vetmed. 6:50-53. Feb.1,1951. 41.8 M742

52535 BURNS, K. F. Antibody response of horses to Japanese equine encephalomyelitis mouse brain vaccine. Amer. J. Vet. Res. 12:106-109. Ref. Apr.1951. 41.8 Am3A

52536 CHAPRON, H. Troubles causés par la sabline chez le cheval. Rec. de Méd. Vét. 127:143-146. Ref. Mar.1951. 41.8 R24

Hypersalivation due to ingestion of *Arenaria serpyllifolia*.

52537 CHASSIGNEUX, A. F. A propos d'une affection du névraxe chez des chevaux et d'un syndrome méningo-encéphalitique chez des humains. Rev. de Path. Compar. 50:875-878. Dec.1950. 448.8 R326

52538 DEFECTS in the joints of horses. (In Italian.) Riv. di Zootec. 23:402-404. Dec.1950. 49 R52

52539 DELPY, L. P., and MIR CHAMSY, H. Immunisation des chevaux contre la fièvre charbonneuse et le tétanos, par vaccins associés. Acad. Vét. de France. B. 24:62-65. Jan.1951. 41.9 R24

Includes discussion.

52540 GRAUPNER, H. Die wirkung des reconox auf die strongyliden beim pferde. Kühn-Arch. 63:40-70. Ref. 1950. 105.8 H15Ku

52541 HABACHER, F. Die Lehrkanzel für Huf- und Klauenkunde und Poliklinik für Pferde, ihre geschichte und ausgestaltung. Wien. Tierärztl. Monatsschr. 38:209-228. Apr.1951. 41.8 T345

52542 HART, J. C. Laryngeal hemiplegia in a stallion. Sowest. Vet. 4(2):25-26. Jan.1951. 41.8 So82

52543 HENNAGER, C. G. Streptococcus infection in a pony. Iowa State Col. Vet. 13:108. 1951. 41.8 V6425 Streptococcus zooepidemicus.

52544 JAHN, W., and HAUSSLER, C. Über resorption, ausscheidung und verträglichkeit eines neuen arsenbenzols (spirotrypan) beim pferd. Tierärztl. Umschau 6:131-134. Apr.1951. 41.8 T445

52545 JAMES, N. V. Supernumerary bones in horse's hoof and operation for their removal. Canad. J. Compar. Med. 15:94-95. Apr.1951. 41.8 C162

52546 KISSLING, R. E., and RUBIN, H. Pathology of eastern equine encephalomyelitis. Amer. J. Vet. Res. 12:100-105. Apr.1951. 41.8 Am3A

52547 KOROTKIKH, A. V. Diagnosis of infectious anemia in horses with "anemin VIEV." (In Russian.) Veterinarifa 27(12):16-17. Dec.1950. 41.8 V6426

52548 KUZNETSOV, G. S. Purulent synovitis and capsular phlegmon of the hoof joint in a horse. (In Russian.) Veterinarifa 27(12):45-48. Dec.1950. 41.8 V6426

52549 LEVINE, N. D. Screening tests of iodine compounds against horse strongyle larvae. Amer. J. Vet. Res. 12:110-115. Apr.1951. 41.8 Am3A

52550 MCINTOSH, A. The generic and trivial names of the species of nematodes parasitic in the large intestine of equines, commonly known from 1831 to 1900 as *Strongylus tetracanthus* Mehlis, 1831. Helminthol. Soc. Wash. Proc. 18:29-35. Ref. Jan.1951. 436.9 H36 Species in *Cyathostomum*, *Cylicocercus*, *Cylicocycylus*, *Cylicodontophorus*, *Cylicostephanus*, *Cylicotetrapedon*, and *Cylicobrachytus*.

52551 NOVIKOV, A. P. News on blastomycosis in horses. (In Russian.) Priroda 40:64-65. Ref. Jan.1951. 410 P933

Lymphangitis epizootica due to *Cryptococcus farciminosus*.

52552 OL'DENBORGER, A. A. On estrogenic and vagotropic preparations. (In Russian.) Konevodstvo 20 (10):37-38. Oct.1950. 42.8 K832

For estrus stimulation and treatment of sex organ diseases in horses.

52553 ROSSI, P. Brucellose équine, son aspect actuel; son traitement par l'antibiothérapie et par la chimiothérapie. Rec. de Méd. Vét. 127:26-35. Jan.1951. 41.8 R24

52554 SCHEBITZ, H. Zwei zehenamputationen beim pferd und ersatz durch eine prothese. Monatsh. f. Vetmed. 6:68-71. Feb.15,1951. 41.8 M742

52555 SCHULZE, W. Zur anwendung der kaltkaustik beim entropium der hunde. Monatsh. f. Vetmed. 6:57. Feb.1,1951. 41.8 M742

52556 SECANELL, J. Prolapso de recto en el ganado asnal. Lérica Ganad. (ser.3)119:178-180. Sept.1950. 41.8 L56

52557 SHUTTLEWORTH, A. C. Bone fractures in the large animals. Vet. Rec. 63:251-253. Apr.7,1951. 41.8 V641

Chiefly horses.

52558 STOREY, A. P. G. DE. Castración de los equinos. Chacra.21(245):14-15. Apr.1951. 9 C34

52559 TESTONI, R. Hematuria in mules. (In Italian.) Riv. di Zootec. 23:405. Dec.1950. 49 R52

52560 TVERDOKHLEBOV, I. A. Turpentine therapy in contagious catarrh of the upper respiratory organs in horses. (In Russian.) Veterinarifa 27(12):20-21. Dec. 1950. 41.8 V6426

52561 VERGE, J., CAUCHY, L., and CAZIOT, G. A propos d'un cheval "morveux." Rec. de Méd. Vét. 127: 65-73. Ref. Feb.1951. 41.8 R24

52562 WEISCHER, F. Hinweise für das auffinden des hodens bei kryptorchiden hengsten mit "fingerförmigem" scheidenhautfortsatz. Monatsh. f. Vetmed. 6:72-73. Feb.15,1951. 41.8 M742

52563 WHITCOMB, O. W. Subcutaneous caudal myotomy (tail setting). Iowa State Col. Vet. 13:82-84. 1951. 41.8 V6425

Miscellaneous

52564 ALVAREZ MERINO, M. Reparto de ganado mular bajo el patrocinio de San Antón. Agr. Buralés 18(196):11-13. Apr.1951. 15 Ag86

52565 CARSON, B. L. Equine art on the postage stamp. VI. Natl. Horseman 87(4):37. Apr.1951. 42.8 N21

52566 FISCHER, H. Sind bei pferdeleistungsprüfungen gleiche anforderungen an beide geschlechter berechtigt? Monatsh. f. Vetmed. 6:49-50. Feb.1,1951. 41.8 M742

52567 GARCÍA DE LA CONCHA, J. Los équidos españoles en América. IV. Chile. Ganadería [Madrid] 8: 682-684. Nov.1950. 49 G15

52568 HAMILTON, F. L. Is the cavalry obsolete? West. Horseman 16(5):8-11,28-34. May 1951. 42.8 W522

52569 JACKSON, J. G. Caveat emptor. Thoroughbred Calif. 12:338,367. Apr.1951. 42.8 T393

On buying horses.

52570 KUKLIN, A. F. The Upper-Enisei [draft] horse. (In Russian.) Tuvinskaja Sel'skokhoz. Opytn. Sta. Trudy 2:174-185. Ref. 1950. 106 T89

52571 OBUKHOV, A. V., and BOGDANOV, T. A. Conference of chief zootechnicians of trotter type stud farms. (In Russian.) Konevodstvo 20(10):39-44. Oct.1950. 42.8 K832

52572 SALTER, H. Heavy horses and exhibitions; awarding prizes on current position and value of livestock is a new policy for exhibitions and brings up the possibility of history repeating with relative values of the 30's. Family Herald & Wk. Star 82(13):13. Mar.29,1951. 7 F21

- 52573 SOROKINA, O. I. Effect of sportive training and testing on type of constitution of the Orlov trotter. (In Russian.) Konevodstvo 20(10):22-31. Oct.1950. 42.8 K832
- 52574 SPROULE, J. Modern horse training. Canad. Cattlemen 14(3):12-13,48. (Cont.) Mar.1951. 49 C16
- 52575 VAKHNIN, V. A. On socialist competition in horse raising in Gorki Region. (In Russian.) Konevodstvo 20(10):6-8. Oct.1950. 42.8 K832
- Horse show.

LABORATORY ANIMALS, SMALL

Breeds and Breeding

- 52576 WATSON, A. Revolutionary method of cavy keeping; all-the-year-round breeding system which gives constant and enhanced returns. Fur & Feather 114:214. Apr.5,1951. 49 F96

Feeds and Feeding

- 52577 FINK, L. B. Cavies; concerning diet. All-Pets Mag. 22(3):107-108. Mar.1951. 48.8 AL5
- 52578 GRABER, J. M. Hamsters; feeding and foods. All-Pets Mag. 22:69,71-72. Jan.1951. 48.8 AL5

POULTRY

Breeds and Breeding

- 52579 ARÁN, S. Lección referente a la cría de pavos; han sido vencidas las causas que originaron la decadencia de esta industria. Ganadería [Madrid] 8:697-699. Dec.1950. 49 G15
- 52580 BLOCK, L. Über die vererbung der leistungseigenschaften beim huhn. Deut. Wirtgeflügelzucht. 3:278-279. Mar.17,1951. 47.8 D483
- 52581 BURGSTALLER, L. Herdbuchzucht mit New Hampshire. Österr. Kleintierzüchter 1951:884-885. Jan.1951. 49 Os7
- 52582 DAVIN, J. A. A misunderstanding in Oriental Frills. All-Pets Mag. 22(3):101,105. Mar.1951. 48.8 AL5
- 52583 DUIJN, D. VAN. The Welsummer. (In Dutch.) Pels en Pluim 6(4):4. Feb.23,1951. 47.8 P36
- 52584 GODFREY, G. F. On the nature of genetical control of egg shell quality as it affects hatchability in domestic fowl which lay brown eggs. Ohio. State U. Abs. Doct. Diss. 60:131-133. Spring Q.1948/49. 241.8 Oh3
- 52585 HALE, R. W. Where they still have faith in the White Wyandotte. Mod. Poultry Keeping 64:310-311. Mar.21,1951. 47.8 Eg3
- 52586 HANCOCK, B. Georgia [University Poultry Department] broiler test gets information on parent stock, too. Broiler Growing 2(5):36,38-39. May 1951. 47.8 B782
- Breeding for meat production.
- 52587 HART, T. Danger in excessive breeding. Amer. Racing Pigeon News 67(4):9. Apr.1951. 47.8 H75
- 52588 HÄUSSERMANN, A. Zur rassenfrage beim geflügel. Württemb. Wchnbl. f. Landwirt. 118:323. Apr.21 1951. 18 W96
- 52589 HICKS, J. S. The Leghorn family. Poultry [London] 108:234. Mar.20,1951. 47.8 P869
- 52590 HOHMANN, P. Die künstliche brut und aufzucht des geflügels. Leipzig,Hachmeister & Thal,1950. 48 p. (Lehrmeister-Bücherei Nr. 130/31) 47 H68
- 52591 HOHMANN, P. Landwirtschaftliche geflügelzucht. Leipzig,Hachmeister & Thal,1950. 72 p. (Lehrmeister-Bücherei Nr. 95/96) 47 H68L
- 52592 HOUDANS, eine schöne und alte hühnerrasse. Kleintierzüchter Tierbörse 5(5):1-2. Feb.10,1951. 49 K672
- 52593 JUHRE, F. Die wirtschaftstauen-zucht. Ed. 2. Berlin,Deutscher Bauernverlag,1950. 111 p. (Schriftenreihe Deutscher Bauernverlag. Bd. 25) 47.2 J93
- 52594 KLEIN, G. T. Leghorn White interesting character; what is the future of the dominant white males in broiler chick production? New Eng. Homestead 124(5):51, 53. Mar.10,1951. 6 N442
- 52595 LARRABEE, E. N. To cross or not to cross. N. H. Breeder 14:11,29. Mar./May 1951. 47.8 N45
- 52596 LLOYD, E. A. Improving dual-purpose breeds and making new ones at U. B. C. [University of British Columbia]. Canada Poultryman 38(3):13-15. Mar.1951. 47.8 C166
- 52597 LOVELACE, M. The size and type turkey I like and strive to breed; no matter what size, meat type must be the goal. Turkey World 26(5):26,62-64. May 1951. 47.8 T84

- 52598 LUKAS, H. Aus unserer Emdener gänsezucht. Österr. Kleintierzüchter 1951:885. Jan.1951. 49 Os7
- 52599 MCARDLE, A. A. Crossbred table poultry tests; further results from crosses using White Leghorn hens. Australas. Poultry World 22(7):31,33. Feb.5,1951. 47.8 Au72
- 52600 NAETHER, C. Concerning the Trumpeter pigeon. All-Pets Mag. 22(4):69,71,73. Apr.1951. 48.8 AL5
- 52601 NAETHER, C. Sidelights on Parlor Tumblers. All-Pets Mag. 22(3):101-102,105. Mar.1951. 48.8 AL5
- 52602 OTTO, W. N. Proper mating of White Orpingtons. Poultry Press 37(12):5. Apr.12,1951. 47.8 P8643
- 52603 POWELL-OWEN, W. Chinese geese standard. Poultry Club. Ybk. & Register 1951:18-20. 47.9 P866
- 52604 POWELL-OWEN, W. The Exmoor (light breed) standard. Poultry Club. Ybk. & Register 1951:21-22. 47.9 P866
- 52605 RADFORD, F. W. Modern Game Bantams. All-Pets Mag. 22(4):65,67. Apr.1951. 48.8 AL5
- 52606 REGENSTEIN, F. Über Leghorns und Kennhühner. Deut. Wirtgeflügelzucht. 3:149-151. Dec.30,1950. 47.8 D483
- 52607 RIGNAULT, P. Le destin des races; exemple de concurrence entre les races de volailles. Avicult. Basse-Cour 7:41-42,32-34. Feb.1951. 47.8 Av53
- 52608 SCHEIDLER, S. Hochzeit im brieftaubenschlag. Österr. Kleintierzüchter 1951:902. Feb.1951. 49 Os7
- 52609 SHAW, J. Which sires gave good results? Poultry World 88:290. Mar.29,1951. 47.8 P8682
- 52610 SMITH, E. Y. Breeding has gone through a revolution in 25 years; striving for color & pattern has been replaced by the more worthy goal of meat production. Turkey World 26(3):14-15,106-109. Mar.1951. 47.38 T84
- 52611 TAKAHASHI, H. Yokei no jissai [Poultry breeding]. Tokyo,Fuminsha,1950. 269 p. 47 T13
- 52612 TEUSCHER, L. Lehrgang der geflügelzucht-berater in Bayern. Deut. Wirtgeflügelzucht. 3:255. Mar.3,1951. 47.8 D483
- 52613 ZANDEN, B. H. V. D. Should preference be given to crossbreeds rather than to the old breeds? (In Dutch.) Pels en Pluim 6(5):1. Mar.9,1951. (To be cont.) 47.8 P36
- Poultry.
- Feeds and Feeding
- 52614 AVOTS, E. Use of wheat sprouts boosts [pheasant] egg fertility. Ky. Happy Hunting Ground 7(2):32. Mar.1951. 409.78 K41
- 52615 BARKER, W. E. The pathway to success. Racing Pigeon 94:45,78,110,141-142. (Cont.) Feb.10, Mar.10, Apr.7, May 5,1951. 47.28 R11
- Feeding pigeons.
- 52616 BEARSE, G. E. The nutrition of laying hens. Grain & Feed J. Consolidated 106(8):22-23. Apr.25,1951. 298.8 G762
- 52617 BERG, L. R., and BEARSE, G. E. The granulation of chicken laying mash. Feedstuffs 23(18):70-77. May 5,1951. 286.81 F322
- 52618 COLES, R. Tasks for the feed research workers. The animal protein factor and antibiotics. Mod. Poultry Keeping 64:226-227. Feb.28,1951. 47.8 Eg3
- 52619 COUCH, J. R. Better feeds are "cooking"; several laboratories are hot on the trail of new factors which may boost growth even faster. Turkey World 26(5):20,64-65. May 1951. 47.38 T84
- 52620 COUCH, J. R., and others. Distillers grain solubles and dried whey with an A.P.F. concentrate in broiler feeds. Distillers Feed Conf. Proc. 6:41-49. Ref. 1951. 389.79 C765
- J. R. Reed, Jr., R. L. Atkinson, and B. E. Welch, joint authors.
- 52621 FANGAUF, R. Erste deutsche versuche mit vitamin B₁₂ bestätigen ausländische erfolgsberichte. Deut. Wirtgeflügelzucht. 3:230-232,241-243. Feb.17-24, 1951. 47.8 D483
- 52622 GROSMANE, P. Effect of feeding on growth and development of chicks. (In Latvian.) Latv. PSR Zinātņu Akad. Vēst. 1:71-84. 1950. 511 R442
- 52623 HAPP, Gesichtspunkte der hühnerfütterung im bäuerlichen betrieb. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:449-450. Mar.22,1951. 18 L2346
- 52624 HEUSER, G. F. Antibiotic supplements in poultry rations. N. Y. Agr. Col. Ext. Cornell Feed Serv. 30:1. Mar.1951. 275.29 N48Cf
- 52625 HEUVEL, C. VAN DEN. Feeding of chickens and young hens. (In Dutch.) Landbode 5(15):12. Apr.14, 1951. 12 L234

52626 HILL, F. W., and others. Formulating poultry rations. *Feedstuffs* 23(17):22-23, 26. Apr. 28, 1951. 286.81 F322

L. C. Norris, G. F. Heuser, and M. L. Scott, joint authors.

Also in N. Y. Agr. Col. Ext. Cornell Feed Serv. 30:6-8. Mar. 1951. 275.29 N48Cf

52627 HUNTER, J. E. Nutritional progress in poultry husbandry. *Poultry Comment* 8(2):1-3. Mar. 1951. 47.8 D92

52628 JUKES, T. H., and STOKSTAD, E. L. R. Studies of vitamin B₁₂, choline and related factors in the diets of chicks. *J. Nutr.* 43:459-467. Ref. Apr. 10, 1951. 389.8 J82

52629 KENNARD, D. C. Better pasture for your pullets. *Poultry Tribune* 57(3):7, 37-38. Mar. 1951. 47.8 P8642

52630 KENNARD, D. C. High energy diets, antibiotics and old built-up litter. *Broiler Growing* 2(5):48-49. May 1951. 47.8 B782

52631 KRATZER, F. H. Feeding has changed from guesswork to near-science. *Turkey World* 26(3):24, 93-96. Mar. 1951. 47.38 T84

52632 LIVET, L. L'importance des nourritures en élevage avicole. *Paysan Franç.* 26(399):9, 12. Mar. 1951. 14 P29

52633 LOWRIE, A. W. The place of antibiotics in animal feeding. *Nulaid News* 28(9):15-20. Feb. 1951. 47.8 N917

Report on a panel discussion.
Chiefly for poultry.

52634 MCGINNIS, J. What can you expect from antibiotics? *Turkey World* 26(5):16, 66-67. May 1951. 47.38 T84

Feed supplement.

52635 MADSEN, I. L., and others. Some properties of the carotene utilization factor(s) in alfalfa. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:28. Oct. 1950. 500 C717

P. R. Frey, H. S. Wilgus, and J. J. Lehman, joint authors.

In poultry nutrition.

52636 MANNING, W. K., WILGUS, H. S., and MADSEN, I. L. Nutritive values of beet sugar molasses products. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:24-25. Oct. 1950. 500 C717

For poultry.

52637 MANNING, W. K., and CHARKEY, L. W. On the role of vitamin B₁₂ in chick nutrition. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:25. Oct. 1950. 500 C717

52638 MILLER, M. W. Give turkey poults a faster start. *Eggsmanner* 28(4):4, 18. Apr. 1951. 286.85 Eg32

Feeding.

52639 MILLER, W. R., and TURNER, C. W. The extraction and hydrolysis of the androgens of cow manure. *J. Dairy Sci.* 34:347-352. Apr. 1951. 44.8 J822

For chick feed.

52640 MORGAN, C. L., BOONE, M. A., and WILLI-MON, C. P. The effect of various levels of distillers grain solubles in a broiler mash upon chick growth, feathering and litter condition. *Distillers Feed Conf. Proc.* 6:61-66. 1951. 389.79 C765

52641 NIKOLAICZUK, N. The availability and retention of phosphorus from organic and inorganic sources by the chick. *Ohio State U. Abs. Doct. Diss.* 59:187-192. 1950. 241.8 Oh3

52642 NIKOLAICZUK, N. Feeding standards for poultry. *Canad. J. Compar. Med.* 15:89-93. Apr. 1951. 41.8 C162

52643 NORRIS, L. C. Recommended nutrient allowances for poultry. *N. Y. Agr. Col. Ext. Cornell Feed Serv.* 30:3. Mar. 1951. 275.29 N48Cf

Also in *Feedstuffs* 23(17):52. Apr. 28, 1951. 286.81 F322

52644 ORTEGA, M. L. La vitamina B-12 y la aureomicina. *Tierra [México]* 6:140. Mar. 1951. 8 T445

In turkey nutrition.

52645 PAYNE, L. Let your turkeys harvest the corn. *Turkey World* 26(5):24. May 1951. 47.38 T84

52646 PETERSEN, C. F., and LAMPMAN, C. E. Faster-growing birds—more meat—from less feed. *Idaho Agr. Col. Idaho Agr. Sci.* 36:3. First Q. 1951. 276 Id13N

Poultry feeding.

52647 PETERSON, C. F. Vitamin B₁₂ requirements of poultry. (Abs.) *Feedstuffs* 23(16):25-27. Apr. 21, 1951. 286.81 F322

52648 RATCLIFF, J. D. Antibiotics for poultry and pigs. *Sci. News Let.* 59:282-283. May 5, 1951. 470 Sci24

52649 REED, J. R., JR., ATKINSON, R. L., and COUCH, J. R. Dried whey as a source of unidentified factors for the growing chick. *J. Nutr.* 43:501-513. Ref. Apr. 10, 1951. 389.8 J82

52650 ROSCOE, C. Small duckling fattening plant. *Poultry [London]* 108:211. Mar. 13, 1951. 47.8 P869

52651 SICER, J., and HUNT, H. M. Poultry pastures can cut 20 percent off your feed bill. They can be used with but little time or labor. These ideas will help you take the work out of raising chickens. *Successful Farming* 49(5):46, 130, 132-133. May 1951. 6 Su12

52652 SWENSON, M. J. Effect of a vitamin B₁₂ concentrate and liver meal on the hematology of chicks fed an all-plant protein ration. *Amer. J. Vet. Res.* 12:147-151. Ref. Apr. 1951. 41.8 Am3A

52653 TURKEY WORLD. Poul feeding and management schedule. *Turkey World* 26(3):36. Mar. 1951. 47.38 T84

52654 VAN DER MERWE, J. A. Problems in formulating laying mash for tests. *S. A. P. A. Poultry B.* 16:5-6. Feb. 1951. 47.8 So89

52655 WHITTLE, T. E. Poultry feeding and management for profitable production. *Scot. Farmer* 59:609. Mar. 31, 1951. 10 Sco8

52656 WILGUS, H. S., DAVIS, P. N., and MADSEN, I. L. The growth-inhibiting properties of alfalfa. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:26-27. Oct. 1950. 500 C717

In poultry nutrition.

52657 WINGARD, S. B. High energy feeds do make poultry more profitable. *East. States Coop.* 27(5):6. May 1951. 280.28 Ea7

For meat and egg production.

Veterinary Medicine

52658 ALBERT, H. Die spirochätose der hühner. *Tierärztl. Umschau* 6:137-138. Apr. 1951. 41.8 T445

52659 ANCEL, P., and COURTIAL, J. Influence des variations individuelles entre les poules pondeuses, sur la fréquence de l'inversion dans l'orientation du jeune embryon de poule. *Soc. de Biol. Compt. Rend.* 144:1586-1587. Dec. 1950. 442.9 P21

52660 ANCEL, P., and COURTIAL, J. Sur les relations entre la brachymelle et l'expression de la polydactylie chez l'embryon de poule. *Acad. des Sci. Compt. Rend.* 232:1168-1170. Mar. 19, 1951. 505 P21

52661 ANDERSON, G. W., STEVENSON, I. L., and GARRARD, E. H. The role of the cockerel in the dissemination of pullorum disease. *Canad. J. Compar. Med.* 15:86-88. Apr. 1951. 41.8 C162

52662 BEARD, W. A. Poultry practice; coccidiosis. *No. Amer. Vet.* 32:268-269. Apr. 1951. 41.8 N812

52663 BIERER, B. W. You may want to use forced medication for your turkeys—here is equipment that makes a hard job easy. *Turkey World* 26(5):22. May 1951. 47.38 T84

52664 BIRD, F. H. Coccidiosis is the name of an endless battle. *East. States Coop.* 27(5):7. May 1951. 280.28 Ea7

52665 BONEY, W. A., JR. A study of sulfaquinoxaline and sulfamethazine in fowl typhoid among breeder turkeys. *Amer. J. Vet. Res.* 12:134-139. Apr. 1951. 41.8 Am3A

52666 BUENO, R. C. Coryza of birds. (In Portuguese.) *Biológico* 16:223-227. Dec. 1950. 442.8 B529

52667 BUGALLO SINEIRO, A. Sorprendente avance terapéutico en la patología aviar. *Ganadería [Madrid]* 8:705-706. Dec. 1950. 49 G15

52668 BUSS, E. G., and SADLER, W. W. Application of genetic principles to avian embryological studies. (Abs.) *Colo.-Wyo. Acad. Sci. J.* 4:79. Oct. 1950. 500 C717

52669 CATER, D. B., and LAWRIE, N. R. A histochemical study of the developing preen glands of chicks from fourteenth day of incubation until fourteen days after hatching. *J. Physiol.* 112:405-419. Ref. Feb. 20, 1951. 447.8 J82

52670 CATER, D. B., and LAWRIE, N. R. Some histochemical and biochemical observations on the preen gland. *J. Physiol.* 111:231-243. Oct. 16, 1950. 447.8 J82

Study of chicken and duck.

52671 COLE, R. K. Isolate chicks to control leucosis. *N. Y. Agr. Col. Ext. Cornell Feed Serv.* 30:4. Mar. 1951. 275.29 N48Cf

52672 CORDIER, G., HAROUNI, B., and OUNAIS, A. Etude de l'adsorption du virus de Newcastle par les hématies. *Inst. Pasteur. Ann.* 80:409-416. Apr. 1951. 448.3 An75

52673 CUNNINGHAM, C. H. Newcastle disease and infectious bronchitis neutralizing antibody indexes of normal chicken serum. *Amer. J. Vet. Res.* 12:129-133. Ref. Apr. 1951. 41.8 Am3A

- 52674 CURTO R., M. C. Consideraciones útiles para efectuar la autopsia de un ave. Campo [Guadalajara] 19(708):18,20-23. Feb.28,1951. 8 G76
- 52675 DEVILLE, M. Does infra-red brooding cause crooked toes? Farmers Wk. [London] 34(16):61. Apr.20, 1951. 10 F2226
- 52676 DORSSSEN, C. A. VAN. Pseudotuberculosis in pigeons; a practical lesson in bacteriology. (In Dutch.) Tijdschr. v. Diergeneesk. 76:249-254. Ref. Apr.1,1951. 41.8 T431
- Pasteurella pseudotuberculosis and Shigella pfaffi.
- 52677 EDWARDSON, J. Animal health. VI. The health of poultry. Young Farmer 19:91,93-94. Mar./Apr. 1951. 10 Y8
- 52678 ELL, A. Tension of pigeon wings. Amer. Racing Pigeon News 67(4):12-13. Apr.1951. 47.8 H75
- 52679 FELSENFELD, O. Diseases of poultry transmissible to man. Iowa State Col. Vet. 13:89-92. Ref. 1951. 41.8 V6425
- 52680 FORS, H. Will the meat bird of the future have white or colored feathers? Canada Poultryman 38(3):9-10. Mar.1951. 47.8 C166
- 52681 GALER, F. How to keep'em alive and healthy. Turkey World 26(5):14-15,67-70. May 1951. 47.38 T84
- Disease prevention, sanitation, and drugs for treatment of disease.
- 52682 GAYET, J. Sur le plan de la croissance biochimique de l'embryon de poulet. L'édification des constituants phosphorés. Acad. des Sci. Compt. Rend. 232:1320-1322. Mar.28,1951. 505 P21
- 52683 GLOVER, J. S. Vaccines, antibiotics and sulfonamides in poultry diseases. Canad. Poultry Rev. 75(5):29-30,32. May 1951. 47.8 C16
- 52684 GRUMBLES, L. C., and BONEY, W. A. Poultry diseases. No. Amer. Vet. 32:236-238. Apr.1951. 41.8 N812
- 52685 HART, G. H. The poultry pathology work in the Department of Veterinary Science [University of California]. Nulaid News 28(11):24-25. Apr.1951. 47.8 N917
- 52686 HECKE, F. Lehren der geflügelpestimpfung. Wien. Tierärztl. Monatsschr. 38:232-240. Apr.1951. 41.8 T345
- English summary.
- 52687 HOLLANDER, W. F. Albino pigeons. All-Pets Mag. 22(4):70,72. Apr.1951. 48.8 AL5
- 52688 HURST, H. Recognize disease for proper treatment. Gamecock 13(12):17. Apr.1951. 47.8 G142
- 52689 KALUSCH, A. Bekämpfung der kückenruhr und des geflügeltyphus. Wien. Tierärztl. Monatsschr. 38:228-232. Apr.1951. 41.8 T345
- 52690 KARZON, D. T., and BANG, F. B. The pathogenesis of infection with a virulent (CG 179) and an avirulent (B) strain of Newcastle disease virus in the chicken. I-II. J. Expt. Med. 93:267-296. Ref. Mar.1, 1951. 448.8 J822
- I, Comparative rates of viral multiplication, p.267-284; II, Development of antibody, p.285-296.
- 52691 KNORRE, A. G. Initial stages of differentiation of cell matter of embryonic tissues in the chicken embryo. (In Russian.) Akad. Nauk SSSR. Dok. 76:119-122 Jan.1,1951. 511 P444A
- 52692 KUPSCH, W. Kann man eine widerstandsfähigkeit gegen neuro-lymphomatose (Marek-Lähme) durch fütterung erzielen? Deut. Wirtgeflügelzucht. 3:207-208. Feb.3,1951. 47.8 D483
- 52693 LENTI, C., and CAFIERO, M. On glycolysis in the chicken embryo. Experientia 7:146-147. Apr.15,1951. 475 Ex7
- 52694 MOORE, E. N. Uncontrolled 25 years ago, disease now has masters. Turkey World 26(3):16-17,101-104. Mar.1951. 47.38 T84
- 52695 MOULIN, F. DE. On an instrument for use with the pullorum blood test in practice. (In Dutch.) Tijdschr. v. Diergeneesk. 76:254-258. Apr.1,1951. 41.8 T431
- 52696 NOUCH, K. E. Some capon problems. Country Guide 1951:68-69. Apr.1951. 7 G76
- 52697 NOWINSKI, W. W., and YUSHOK, W. D. The comparative growth rates of developing wings and legs of the chick embryo. (Abs.) Anat. Rec. 109:331-332. Feb. 1951. 447.8 An1
- 52698 OLESIU, O. M. Influence of environmental factors on viability of Newcastle disease virus. Amer. J. Vet. Res. 12:152-155. Ref. Apr.1951. 41.8 Am3A
- 52699 OLIVERA HERRERA, M. La epizootia en las aves de corral. Tierra [México] 6:163-164. Mar.1951. 8 T445
- Infectious avian pneumoenteritis.
- 52700 PARTRIDGE, M. H., and WRIGHT, C. K. Phosphorus fractions in the chick embryo. (Abs.) Anat. Rec. 109:334. Feb.1951. 447.8 An1
- 52701 PEGREFFI, G., and PAPANDREA, E. Vaccinating value of culture broth killed by means of antibiotics. (Vaccine with streptomycin against fowl cholera.) (In Italian.) Clin. Vet. 74:33-35. Feb.1951. 41.8 C61
- 52702 PEROV, S. S. In regard to condition of hen's egg albumen. (In Russian.) Vsesoizn. Nauch. Issled. Inst. Zhivotn. Trudy 18:275-287. 1950. 49.9 R92
- 52703 PETERSON, E. H. Now we have "turkey blue comb!" Turkey World 26(5):18,65-66. May 1951. 47.38 T84
- 52704 PETTIT, J. H. 43,000 less birds tested under Ontario flock approval policy. Canad. Poultry Rev. 75(5):10-11. May 1951. 47.8 C16
- For pullorum disease.
- 52705 PFLEGER, D., and VENDRELY, R. Sur l'évolution du métabolisme azoté des canaux de müller mâles et femelles chez l'embryon de poulet au cours du développement normal. Soc. de Biol. Compt. Rend. 144:1699-1702. Dec.1950. 442.9 P21
- 52706 POMEROY, B. S., and FENSTERMACHER, R. Newcastle disease continues to spread. Minn. Farm & Home Sci. [Minn. Sta.] 8(2):6-7. Feb.1951. 100 M668
- 52707 PRIER, J. E., and ALBERTS, J. O. The effect of aureomycin against Salmonella gallinarum in vivo and in vitro. Amer. J. Vet. Res. 12:156-158. Apr.1951. 41.8 Am3A
- 52708 RÖHNER, G. Erfolgreiche behandlung von pocken-diphtherie und ansteckendem schnupfen der hühner. Deut. Wirtgeflügelzucht. 3:209. Feb.3,1951. 47.8 D483
- 52709 SADLER, W. W., and WILGUS, H. S. Changes in chicken embryos brought about by varying levels of carbon dioxide and oxygen. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:78-79. Oct.1950. 500 C717
- 52710 SADLER, W. W., and others. Technics for measuring differences among [chick] embryos exposed to varying conditions. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:78. Oct.1950. 500 C717
- H. Breen, E. G. Buss, and H. S. Wilgus, joint authors.
- 52711 SASSENHOFF, I. Kann man eine widerstandsfähigkeit gegen neurolymphomatose (Mareksche lähme) durch fütterung erzielen? Deut. Wirtgeflügelzucht. 3:256-257. Mar.3,1951. 47.8 D483
- 52712 SCHELLNER, H., and RAUSCHER, W. Über die hämagglutination (H. A.) und die H.-A.-hemmung bei der atypischen geflügelpest. Tierärztl. Umschau 6:123-124. Apr.1951. 41.8 T445
- 52713 SCHWABE, C. W. Manson's eyeworm in Hawaii. Hawaii. Acad. Sci. Proc. 25:7. 1949/50, pub. 1950. 500 H31A
- Oxyspirura mansonii in poultry.
- 52714 SCOTT, M. L. The enlarged hock disorder in turkeys. N. Y. Agr. Col. Ext. Cornell Feed Serv. 30:5. Mar.1951. 275.29 N48Cf
- 52715 SCOTT, M. L. Is this the cause of hock trouble? Turkey World 26(5):11,74-77. May 1951. 47.38 T84
- Nutritional deficiency.
- 52716 SCOTT, M. L. Leg weakness in turkeys can be prevented. Farm Res. [N. Y. State Sta.] 17(2):3. Apr. 1951. 100 N48A
- Use of dried brewer's yeast in the turkey ration.
- 52717 SEEGER, K. C. To stop coccidiosis what method should you use? Poultry Tribune 57(3):8,24. Mar.1951. 47.8 P8642
- 52718 SKOGLUND, W. C. The relationship between egg shape and hatchability in meat type strains of New Hampshires. Del. Agr. Expt. Sta. Tech. B. 287,6 p. Apr. 1951. 100 D37S
- 52719 SRINIVASAN, V. R., RAMAMURTHY, V., and DE, N. N. "Partition phosphorus" in blood of chicks during infection with P. gallinaceum. Cur. Sci. 20:37-38. Feb.1951. 475 Sci23
- 52720 TAYLOR, L. J. What dangers face ducks? Their diseases and how to prevent them. Mod. Poultry Keeping 64:224. Feb.28,1951. 47.8 Eg3
- 52721 TORRES DE LA PUERTA, C. No preste sus cluecas. Chacra 21(245):36-37. Apr.1951. 9 C34
- Dangers of disease and pest transmission.
- 52722 TREMBLEY, H. L., GREENBERG, J., and COATNEY, G. R. Strain differences in Plasmodium gallinaceum Brumpt. II-IV. Natl. Malaria Soc. J. 10:68-89. Ref. Mar.1951. 448.9 N213
- II, Experiences with the sporozoite and single oocyst passage of the BI strain, p.68-75; III, The spontaneous conversion of a phanerozoite-producing SP strain to a phanerozoiteless M strain through mosquito passage, p.76-81; IV, Experiences with the blood passage of the phanerozoiteless M strain, p.82-89.

52723 VAN ROEKEL, H., and others. Infectious bronchitis. *Amer. J. Vet. Res.* 12:140-146. Apr.1951. 41.8 Am3A

M. K. Clarke, K. L. Bullis, O. M. Olesiuk, and F. G. Sperling, joint authors. *Poultry.*

52724 WADDINGTON, C. H. Processes of induction in the early development of the chick. *Ann. Biol.* 54:711-717. Dec.1950. 442.8 An7
Includes discussion.

52725 WAWOROENTOE, F. K., and MANSJOER, M. Salmonella infections among poultry in Java; first intimation. (In Dutch.) *Hemera Zoa* 57:696-698. Nov.1950. 41.8 V51

English summary.

52726 WILLEMS, A. Comment prevenir la maladie de Newcastle chez les gallinacées? *Annu. Agr. et Hort.* (1950/51)3:82-84. 1951. 13 An7

52727 ZHUKOV, S. N. Arrangement of veterinary treatment of poultry for pullorum disease and tuberculosis. (In Russian.) *Veterinarifa* 27(12):27-28. Dec. 1950. 41.8 V6426

Miscellaneous

52728 ADALBERTH, V. Cull the poultry flock now. (In Swedish.) *Lanthemmet* 1:22-23. Dec.2,1950. 281.28 L29

52729 AMSDEN, J. An experiment in P.T.—production and progeny trials. *Mod. Poultry Keeping* 64:311. Mar.21,1951. 47.8 Eg3

52730 ANDERSON, R. W. Brooding poult on the prairies. *Canada Poultryman* 38(3):32-34. Mar.1951. 47.8 C166

From Saskatchewan Poultry Catalogue.

52731 ANDRADE, H. A. Aviculture. (In Portuguese.) *Lavoura* 55:40. Jan./Feb.1951. 9.2 L39

52732 AUBERT, G. L'élevage des poussins. *Tarn-et-Garonne Agr.* 14:49. Mar.1951. 14 T17

52733 BAIRD, E. New blood—the young fancier. *Poultry Club. Ybk. & Register* 1951:39-40. 47.9 P866

52734 BASSO, U. Pollicoltura pratica [Practical chicken raising]. Ed. 7. Casale Monferrato, Ottavi, 1950. 450 p. (Biblioteca Agraria Ottavi, v. 85) 47 B293

With appendices on the raising of rabbits, ducks, geese, pigeons, turkeys, guinea-hens, and peacocks.

52735 BATES, D. W. Keep poultry litter dry. *Farm Res.* [N. Y. State Sta.] 17(2):16. Apr.1951. 100 N48A

52736 BOUTROUX, A. La ponte des faisanes, la récolte des œufs et leur stockage avant l'incubation. *Avicult. Basse-Cour* 7:43-44. Feb.1951. 47.8 Av53

52737 BRANN, V. H. The use of electric lights for winter laying. *Agr. Gaz. N. S. Wales* 62:105-109. Feb.1, 1951. 23 N472

52738 BUCHWALD, H. Ein wort zur bäuerlichen geflügelhaltung. *Wirttemb. Wchnbl. f. Landwirt.* 118:239-240. Mar.24,1951. 18 W96

52739 CARGILL, D. Arsenic and old lace. *Poultry Club. Ybk. & Register* 1951:37-38. 47.9 P866
On poultry systems.

52740 CARTANYA Y ALEU, P. La función social de las cooperativas. *Reus Avic.* 22:1. Feb.1951. 47.8 R31

52741 CHAPMAN, E. F. The care of chicks. *Poultry Indus.* [Milford] 16:164-165. Mar.22,1951. 47.8 P8644

52742 COLLIGNON. Aufgehäufte einstreu. *Deut. Wirtgeflügelzucht.* 3:268. Mar.10,1951. 47.8 D483

52743 DE BEER, J. A. Egg-laying contests. (In Afrikaans.) *S. A. P. A. Poultry B.* 161:7,9. Feb.1951. 47.8 So89

52744 DIEZ, O. Kükenaufzucht in aufzuchtstationen. Ed. 4. Radebeul, Neumann, 1950. 76 p. 47 D567

52745 ENGLER, H. Hühnerhaltung und hühnerzucht. Ed. 8. Bern, Buchverlag Verbandsdruckerei, 1950. 95 p. (Landwirtschaftliche Lehrbücher) 47 En33

52746 FRIESE, H. Verbesserte sicherungsmassnahmen an brütern. *Deut. Wirtgeflügelzucht.* 3:220. Feb.10,1951. 47.8 D483

52747 FROBOESE, V. Neuzeitliche kükenaufzucht. *Deut. Wirtgeflügelzucht.* 3:233. Feb.17,1951. 47.8 D483

52748 FUNK, E. M., KEMPSTER, H. L., and DENDY, M. Y. Influence of nesting materials on the production of clean eggs. *Mo. Agr. Expt. Sta. Res. B.* 463,19 p. Sept. 1950. 100 M693

52749 GARCÍA DE PAREDES, A. B. La industria avícola nacional. *Ganadería* [Madrid] 9:31. Jan.1951. 49 G15
Spain.

52750 GEURDEN, L. L'aviculture au Congo Belge. *Annu. Agr. et Hort.* (1949/50)2:276-282. 1950. 13 An7

52751 GILL, G. Recording. *Poultry Club. Ybk. & Register* 1951:29-30. 47.9 P866

52752 GODDARD, F. W. N. Show form—the fancier—the bird—the show. *Poultry Club. Ybk. & Register* 1951:32. 47.9 P866

52753 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. The culling of poultry. Ed. 2. Gt. Brit. Min. Agr. & Fisheries. B. 59,19 p. Nov.1950, pub.1951. 10 G794B

52754 HANAJIMA, T. Jitsuyo yokel nyumon [Introduction to poultry-farming]. Tokyo, Kawatsu Shoten, 1950. 294 p. 47 H195

52755 HANDY poultry-range ideas. *Country Gent.* 121(5):23. May 1951. 6 C833

52756 HASELAUER, S. Probleme der hühnerhaltung—anders betrachtet. *Osterr. Kleintierzüchter* 1951:899-900. Feb.1951. 49 Os7

52757 HUTT, F. B. Short cuts in progeny testing. *Scot. Agr.* 30:183-188. Spring 1951. 10 Sco82So
Progeny-testing in poultry.

52758 INSKO, W. M., JR. What's happened in hatching? *Turkey World* 26(3):28,89-91. Mar.1951. 47.38 T84
Use of incubators.

52759 JACKSON, M. E. Develop good pullets. *Kans. Poultry News* 7(4):4. Apr.1951. 47.8 K13

52760 JOHNSTON, T. E. "Playing the game" with poultry. *Org. Farmer* 2(10):46-48. May 1951. 57.8 Or3
Care.

52761 JUHRE, F. Unsere schönen farbentauben. *Jung-Züchter* 2:2. In *Kleintierzüchter Tierbörse* 5(5): (To be cont.) Feb.10,1951. 49 K672

52762 KARPOFF, E. Production up 23 percent in '50. *Broiler Growing* 2(5):14,16,18. May 1951. 47.8 B782

52763 KENNARD, D. C. Built-up litter is a "wonder material." *Broiler Growing* 2(5):12,22,24. May 1951. 47.8 B782

52764 KENNEY, S. M. Laying nests. *New Eng. Homestead* 124(6):32-33. Mar.24,1951. 6 N442

52765 KNOWLES, T. Planning a farm poultry unit. *Poultry* [London] 108:228. (Concl.) Mar.20,1951. 47.8 P869

52766 KUPSCH, W. R. K. Die künstliche brut, unseres hausgeflügels. Ed.14. Stuttgart, Pfennigstorf, 1950. 152 p. 47 K964

52767 LACOURCIÈRE, H. L'aviculture progresse à St-Patrice de Beaurivage. *Avicult. Québécois* 5(3):5-6. Mar.1950. 47.8 Av55

52768 LAVEZZINI, V. Poultry and poultry houses. (In Italian.) *Avvenire Agr.* 59:99-101. Apr.1951. 16 Av9
Care in Italy.

52769 LEFEBVRE, P. Un professionnel parle aux fermières; conseils d'élevage. *Avicult. Basse-Cour* 7:40. Feb.1951. 47.8 Av53

52770 LEVIN, R. Rearing chicks in electrical batteries. (In Hebrew.) *Hassadeh* 31:291. Mar.1951. 26 H27

52771 LLOYD-THOMAS, W. The trouble is to stop them laying eggs! The goose-keeper's problem. *Mod. Poultry Keeping* 64:252. Mar.7,1951. 47.8 Eg3

52772 LOVERING, F. W. Turkey kindergarten bans green marbles; vegetable-dyed chick grain, paint spots in fountain cups teach poults to eat and drink. *Fla. Grower* 59(5):10,14. May 1951. 80 F6622

52773 MCCLASKEY, G. D. Let's take a look at the broiler industry in Kansas. *Kans. Poultry News* 7(2):2, 4-5. Feb.1951. 47.8 K13

52774 MCIVER, W. L. The household poultry keeper should not neglect culling. *New Zeal. J. Agr.* 82:57-58. Jan.15,1951. 23 N48J

52775 MANN, D., and RUPP, E. What successful poultrymen do. *Kans. Farmer* 88(6):8,40. Mar.17,1951. 6 K13

Chick care.

52776 MANTEL. Ergebnisse der amtlichen bayerischen leistungsprüfungen für hühnerstämme in Erding und Kitzingen 1949-50; 1. prüfungsjahr. *Deut. Wirtgeflügelzucht.* 3:210-211. Feb.3,1951. 47.8 D483

52777 MAUPIN, C. J., and others. Laying flc k management. *N. C. Agr. Col. Ext. C.* 279, rev., 16 p. Feb. 1951. 275.29 N811

C. F. Parrish, T. B. Morris, and W. G. Andrews, joint authors.

52778 MAY, R. Putenzucht und putenfleischproduktion. *Deut. Wirtgeflügelzucht.* 3:205-206. Feb.3,1951. 47.8 D483

52779 MELCHIOR, F. B., JR. Brooding tips. *Nulaid News* 28(9):9-11. Feb.1951. 47.8 N917

52780 MENNE, E. Unsere küken kommen! Land-frauenarbeit 1951:83-85. Mar.17,1951. 18 L2347

- 52781 MILLS, J. I used to regard a 50 per cent duck hatch as normal. *Poultry* [London] 108:247. (To be cont.) Mar.27,1951. 47.8 P869
- 52782 MIRANDA, F. La selección en avicultura. *Reus Avíc.* 23:1-3. Mar.1951. 47.8 R31
- 52783 MOORE, A. C. My "sample" henyard has proved very satisfactory. *Poultry* [London] 108:208. Mar.13,1951. 47.8 P869
- 52784 NEBESKY. Die legekurve einmal anders herum. *Deut. Wirtgeflügelzucht.* 3:207. Feb.3,1951. 47.8 D483
- 52785 NEUY. Hat die form des bruteies einfluss auf schlupfresultat und geschlecht? *Kleintierzüchter Tierbörse* 5(5):3. Feb.10,1951. 49 K672
- 52786 NICKERL, A. Der aufstieg und die aufgaben der österreichischen kleintierzucht. *Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahr- u. Adressb.* 1949:234-239. 1950. 19 Au72J
- Poultry and rabbits.*
- 52787 NISHIDA, S. Kakin [Poultry]. Tokyo, Asakura Shoten, 1950. 301 p. (Chikusangaku Zensho No. 3) 47 N63
- 52788 NORMAN, T. Poultry farming in California. (Abs.) *Jewish Farmer* 44:39-40. Ref. Apr.1951. 6 J54 Management.
- 52789 OSMAN, W. H. Quality, not quantity. *All-Pets Mag.* 22(4):69-70. Apr.1951. 48.8 AL5
- Selection and culling of pigeons.*
- 52790 POULTRY CLUB. 1951 year book and register. London, 1951. 112 p. 47.9 P866
- 52791 POWELL-OWEN, W. The build-up of the poultry industry; our contribution. *Poultry Club. Ybk. & Register* 1951:14-18. 47.9 P866
- Great Britain.*
- 52792 POWELL-OWEN, W. Not before six months; damp weather is likely to bring pullets to early laying. *Poultry World* 88:288-289. Mar.29,1951. 47.8 P8682
- 52793 POWELL-OWEN, W. Table poultry, live or dead standard. *Poultry Club. Ybk. & Register* 1951:23-24. 47.9 P866
- 52794 RADFORD, F. W. Spring's busiest month. *All-Pets Mag.* 22(3):97,99. Mar.1951. 48.8 AL5
- Care of Bantams.*
- 52795 ROBERTSON, E. I. What's behind our expanding broiler industry. *Everybodys Poultry Mag.* 56(5):11, 22-24. May 1951. 47.8 F213P
- 52796 RÖMER, R. Die aufzucht der jungen enten. *Landfrauenarbeit* 1951:93-94. Mar.24,1951. 18 L2347
- 52797 SEEGER, K. C., TOMHAVE, A. E., and LUCAS, W. C. A comparison of litters used for broiler production. *Del. Agr. Expt. Sta. B.* 289,16 p. Apr.1951. 100 D37S
- 52798 SICER, J. W. Trends in the Indiana broiler industry. *Amer. Poultry J.* 82(4):15,23-25. Apr.1951. 47.8 Am32
- 52799 SIEBAHN, R. Gänseaufzucht. *Deut. Wirtgeflügelzucht.* 3:277-278. Mar.17,1951. 47.8 D483
- 52800 SPINNEY, G. G. Poultry on the estate. *Estate Mag.* 51:109-111. Mar.1951. 10 Es8
- Chiefly management.*
- 52801 STACEY, C. Some of the factors to watch during the chick rearing period. *Canada Poultryman* 38(4):9-10. Apr.1951. 47.8 C166
- In brooders.*
- 52802 STICHNOTH, O., JR. Anleitung zur geschlechtsbestimmung der eintagsküken nach der japanischen methode. Ed. 4. Radebeul, Neumann, 1950. 72 p. 47 St52
- 52803 TAYLOR, L. J. Table duckling rearing from incubator to brooder. *Mod. Poultry Keeping* 64:281. Mar.14,1951. 47.8 Eg3
- 52804 TRÄSKMAN, S., ed. Sveriges fjäderfäskötsel; en populärvetenskaplig uppslagsbok om allt vad en fjäderfäuppfödare bör veta [Sweden's poultry industry; a popular scientific handbook on everything a poultry keeper ought to know]. Stockholm, IGO-Förlaget, 1951. 2 v. 47 T69
- 52805 WADE, P. M. The Burnley egg-laying competition. *Victoria. Dept. Agr. J.* 58-62, 92-94. Feb.1951. 23 V66J
- 52806 WHITTLE, T. E. Hatching to pedigree. 3. *Machines are ready for setting.* *Poultry World* 88:291. Mar.29,1951. 47.8 P8682
- 52807 WILLEMS, A. E. R. L'aviculture à la ferme. *Annuaire Agr. et Hort.* (1949/50):2:107-110. 1950. 13 An7 Belgium.

RABBITS

Breeds and Breeding

- 52808 BAKER, G. F. Sable and Seal [Rex]. *Brit. Rabbit Council. Brit. Rabbits* 1950:139. 40.29 B77
- 52809 BAREHAM, R. Silver Fox. *Brit. Rabbit Council. Brit. Rabbits* 1950:145. 40.29 B77
- 52810 BARR, F. E. The king of the fancy. *Brit. Rabbit Council. Brit. Rabbits* 1950:122. 40.29 B77
- Lop breed.*
- 52811 BINNINGTON, P. R. Sparkling product of Champagne; the charm of the Argente. *Fur & Feather* 114:245,248. Apr.19,1951. 49 F96
- 52812 BRABY, L. Raising Flemish & Chinchilla Giants successfully. *Amer. Small Stock Farmer* 35(7):18. Apr.1951. 48.8 J82
- 52813 BRITISH RABBIT COUNCIL. *British rabbits, 1950; yearbook.* Farnborough, 1950? 176 p. 40.29 B77
- Includes standards and descriptions of the breeds.*
- 52814 BROADHURST, A. L. The Ermine Rex. *Brit. Rabbit Council. Brit. Rabbits* 1950:127-128. 40.29 B77
- 52815 CASSFORD, W. G. The Chinchilla Giganta. *Brit. Rabbit Council. Brit. Rabbits* 1950:112-114. 40.29 B77
- 52816 COLEMAN, G. Astrological selection of breeding stock. *Calif. Rabbits Mag.* 14(10):5. May 1951. 40.28 Sa5
- 52817 COPPING, J. W. Belgian Hares. *Brit. Rabbit Council. Brit. Rabbits* 1950:111. 40.29 B77
- 52818 DANECOURT, W. A. Exhibition Dutch rabbits. *Brit. Rabbit Council. Brit. Rabbits* 1950:115-116. 40.29 B77
- 52819 DEAN, A. L. Rabbits: breeding problems. *All-Pets Mag.* 22(3):107-109; (4):75. Mar.-Apr.1951. 48.8 AL5
- 52820 DONALD, M. N. Brother and sister matings. *Amer. Small Stock Farmer* 35(7):12. Apr.1951. 48.8 J82
- Rabbits.*
- 52821 DOWLE, H. D. H. The Himalayan. *Brit. Rabbit Council. Brit. Rabbits* 1950:120-121. 40.29 B77
- 52822 DOWLE, H. D. H. The luscious Lilac. *Brit. Rabbit Council. Brit. Rabbits* 1950:123-124. 40.29 B77
- 52823 GOODCHILD, C. The Chinrex. *Brit. Rabbit Council. Brit. Rabbits* 1950:132-134. 40.29 B77
- 52824 HANFORD, W. B. Our American cousins and the Havana rabbit. *Fur & Feather* 114:249,257. Apr.19, 1951. 49 F96
- 52825 HINCHCLIFFE, M. The Havana Rex. *Brit. Rabbit Council. Brit. Rabbits* 1950:135-136. 40.29 B77
- 52826 JARZINSKI, P. L. Asociación de Criadores del Conejo "Gigante Blanco de Bouscat." *Reus Avíc.* 23:18. Mar.1951. 47.8 R31
- 52827 JENKINS, T. The Tan rabbit. *Brit. Rabbit Council. Brit. Rabbits* 1950:148. 40.29 B77
- 52828 LEAVER, T. The Sable. *Brit. Rabbit Council. Brit. Rabbits* 1950:147-148. 40.29 B77
- 52829 MADLMAYR, T. Wie wird das angorakaninchen richtig geschoren? *Österr. Kleintierzüchter* 1951: 904. Feb.1951. 49 Os7
- 52830 NESTMANN, A. Über meine erfahrungen in der Angorakaninchenzucht. *Kleintierzüchter Tierbörse* 5(5): 6. (To be cont.) Feb.10,1951. 49 K672
- 52831 PIPER, J. H. For the novice breeder: an introduction to the B.R.C. ring scheme. *Brit. Rabbit Council. Brit. Rabbits* 1950:102-103. 40.29 B77
- 52832 POTTER, J. The Argente. *Brit. Rabbit Council. Brit. Rabbits* 1950:109-110. 40.29 B77
- 52833 POUNCY, A. J. New Zealand Red. *Brit. Rabbit Council. Brit. Rabbits* 1950:124. 40.29 B77
- 52834 POWER, A. J. Polish, the bantams of the fancy. *Brit. Rabbit Council. Brit. Rabbits* 1950:143. 40.29 B77
- 52835 ROBINSON, R. The unique Satin. *Brit. Rabbit Council. Brit. Rabbits* 1950:146-147. 40.29 B77
- 52836 SANDERSON, A. The English rabbit. *Brit. Rabbit Council. Brit. Rabbits* 1950:116-117. 40.29 B77
- 52837 SHEPPARD, W. N. Castorrex. *Brit. Rabbit Council. Brit. Rabbits* 1950:129-130. 40.29 B77
- 52838 SLEZAK, F. Unser rassekaninchen im lichte der volkswirtschaft. *Österr. Kleintierzüchter* 1951:888, 903. (Cont.) Jan.-Feb.1951. 49 Os7
- 52839 SMITH, E. Chinchillas for the small breeder. *Brit. Rabbit Council. Brit. Rabbits* 1950:114-115. 40.29 B77
- 52840 STEINER, F. Reinerbigkeitsprüfung, das gebot der stunde. *Kleintierzüchter Tierbörse* 5(5):5-6. Feb.10, 1951. 49 K672

- 52841 STEPHENSON, S. G. A. Smoke Pearl. Brit. Rabbit Council. Brit. Rabbits 1950:136-137. 40.29 B77
- 52842 TENDAM, L. Marburger feh- und Düsseldorf Perlfeh-kaninchen. Kleintierzüchter Tierbörse 5 (5):5. Feb.10,1951. 49 K672
- 52843 TONGE, K. G. H. Himalayan Rex. Brit. Rabbit Council. Brit. Rabbits 1950:141. 40.29 B77
- 52844 WELLS, C. How to succeed with the Himalayan rabbit. Fur & Feather 114:215. Apr.5,1951. 49 F96
- 52845 WILBRAHAM, M. B. Reminiscences of the Angora. Brit. Rabbit Council. Brit. Rabbits 1950: 107-108. 40.29 B77
- 52846 WOOD, A. The Blue Rex. Brit. Rabbit Council. Brit. Rabbits 1950:125. 40.29 B77
- 52847 WOODGATE, F. G. The Havana. Brit. Rabbit Council. Brit. Rabbits 1950:119-120. 40.29 B77
- 52848 WOODGATE, F. G. Orange and Fawn Rex. Brit. Rabbit Council. Brit. Rabbits 1950:130-131. 40.29 B77
- 52849 WOODGATE, F. G. Silvers in 1949. Brit. Rabbit Council. Brit. Rabbits 1950:144-145. 40.29 B77

Feeds and Feeding

- 52850 PICKARD, J. N. What to feed and not to feed to rabbits. Brit. Rabbit Council. Brit. Rabbits 1950:104-105. 40.29 B77

Veterinary Medicine

- 52851 BLACK, W. G., and others. Fertility in gonadotrophin-treated estral and pseudopregnant rabbits. (Abs.) Anat. Rec. 109:270. Feb.1951. 447.8 An1
- R. L. Murphree, G. Otto, and L. E. Casida, joint authors.
- 52852 HILL, B. F., JR. The "flat" anomaly of rabbit ovaries. (Abs.) Anat. Rec. 109:372-373. Feb.1951. 447.8 An1
- 52853 JIŘINA, K. Kyphoskoliosis in a rabbit. (In Czech.) Časopis Českoslov. Vet. 5:617-618. Dec.25, 1950. 41.8 C27
- 52854 KEHL, R., and DOUARD, T. Place de la réaction déciduale dans l'installation de la gravidité chez la lapine. Soc. de Biol. Compt. Rend. 144:1670-1672. Dec. 1950. 442.9 P21
- 52855 LLOYD, R. S. Ovarian changes in immature rabbits induced by equine gonadotrophin. Anat. Rec. 109: 431-445. Ref. Mar.1951. 447.8 An1
- 52856 NEUBERGER, A., and NIVEN, J. S. F. Haemoglobin formation in rabbits. J. Physiol. 112:292-310. Ref. Feb.20,1951. 447.8 J82
- 52857 SAWIN, P. B. Gallbladder variations in the domestic rabbit. (Abs.) Anat. Rec. 109:344-345. Feb. 1951. 447.8 An1
- 52858 SAWYER, C. H. "Spontaneous" ovulation in the estrogen-treated rabbit and its seasonal variation. (Abs.) Anat. Rec. 109:345. Feb.1951. 447.8 An1

Miscellaneous

- 52859 DESCLAUDE, G. Une source intéressante de revenus. Paysan Franç. 26(399):12-13. Mar.1951. 14 P29
- Rabbit care.
- 52860 HEUSER, O. Eine kleine plauderei in der ausstellung. Österr. Kleintierzüchter 1951:889. Jan. 1951. 49 Os7
- Rabbits.
- 52861 NORMAND, K. Hot and cold weather problems. Angora Rabbit Mag. 6(6):1. Apr.1951. 40.28 An42
- 52862 WALLACE, A. M. Rabbit industry in Florida. Fla. Grower 59(5):16,31. May 1951. 80 F6622
- 52863 WHALEY, S. A. About those pelts! Brit. Rabbit Council. Brit. Rabbits 1950:98-102. 40.29 B77
- 52864 WHITMORE, R. Fur classes. Amer. Small Stock Farmer 35(7):13,17. Apr.1951. 48.8 J82
- Rabbits in shows.
- 52865 YORKE, C. Angora rabbit spring cleaning. Angora Rabbit Mag. 6(6):3. Apr.1951. 40.28 An42

SHEEP AND GOATS

Breeds and Breeding

- 52866 BAIKOVA-DZUKOEVA, CH. KH. The local sheep of the Tuva Autonomous Region and its improvement with Merinos and Karakuls. (In Russian.) Tuvinskafä Sel'skokhoz. Opytn. Sta. Trudy 2:97-119. Ref. 1950. 106 T89
- 52867 BECKER, D. The role of sheep breeding in agricultural production in Israel. (In Hebrew.) Hassadeh 31:292-293. Mar.1951. 26 H27

- 52868 BERTONE, E. B. Wool tips from Australia; a U. S. sheep expert who recently returned from "down under" reports on breeds and techniques we might use to good advantage. Country Gent. 121(5):30,118-120. May 1951. 6 C833

- 52869 BÖRGER. Die westdeutsche ziegenzucht. Tierzüchter 3:200-203. Apr.5,1951. 49 T445

- 52870 BOSMAN, S. W. Is the Merino fertile? (In Afrikaans.) Landbouweekblad 32(1654):17. Mar.28,1951. 24 L232

- 52871 CALVO, C. A. El Corriedale, una raza de doble propósito. Soc. Rur. Argentina. An. 84(12):34-35. Dec. 1950. 9 S01

- 52872 CAPSASKIS, C. S. Goat keeping and breeding in Greece. Brit. Goat Soc. Ybk. 1951:32-33. 40.19 B77

- 52873 COLEMAN, J. M. Fat lamb production: inheritance of fleshing qualities. Agr. Gaz. N. S. Wales 62:58-60. Feb.1,1951. 23 N472

- 52874 EGERTON, J. R. The Anglo-Nubian. Brit. Goat Soc. Ybk. 1951:48-49. 40.19 B77

- 52875 FROBEEN, E. Zur züchterischen entwicklung der schaffrasen im deutschen bundesgebiet. Tierzüchter 3:186-190. Apr.5,1951. 49 T445

- 52876 HAFEZ, E. S. E. Die brunstzeit (breeding season) bei schafen in beziehung zur tageslänge in nördlicher und südlicher breite. Naturwissenschaften 38:100-101. Feb.15,1951. 474 N213

- 52877 HARARI, A. Innovations in sheep breeding in Russia. (In Hebrew.) Hassadeh 31:348-349. Apr.1951. 26 H27

- 52878 MCCLURE, S. W. The Panama. Natl. Wool Grower 41(5):14-15,36. May 1951. 45.8 N21N

- 52879 PEREIRA, G., and SERRA, J. A. Inheritance of dominant pigmentation in fine wool Portuguese sheep. Portugal. Junta Nac. dos Prod. Pecuários. Serv. da Prod. e Com. de Lãs. P. Ser. A, Ser. Cient. e de Invest. 3,22 p. 1950. 49.9 P833

- 52880 ROBINSON, T. J. The control of fertility in sheep. I. Hormonal therapy in the induction of pregnancy in the anoestrous ewe. J. Agr. Sci. 40:275-307. July 1950. 10 J822

- 52881 SINGLETON, R. E. Corriedales and the Golden Fleece. Sheep & Goat Raiser 31(7):28. Apr.1951. 45.8 Sh3

- 52882 TAYLOR, J. B. Rambouillets set the pace. Mont. Wool Grower 25(4):7,21. Apr.1951. 45.8 M762

- 52883 ZETTL, J. Vorsicht bei ankauf von Karakulzuchtieren. Österr. Kleintierzüchter 1951:892. Jan. 1951. 49 Os7

Feeds and Feeding

- 52884 ARMSTRONG, M. C. Fattening weaned and store lambs. New Zeal. J. Agr. 82:5,7,9-10. Jan.15,1951. 23 N48J

Crops used for fattening and disease control.

- 52885 GORB, T. V., and SEMENCHENKO, Z. P. Raising young sheep of the Romanovsk breed during the pasture period. (In Russian.) Vsesoifuzn. Nauch. Issled. Inst. Zhivotn. Trudy 18:127-137. 1950. 49.9 R92
- Chiefly on supplementary feeding.

- 52886 HARRIS, G. An experiment in feeding. Brit. Goat Soc. Mon. J. 44:44-45. Mar.1951. 40.19 B77M

- 52887 HARRIS, L., and ALEXANDER, M. A. Studies of sugar top silage in lamb fattening rations. Amer. Soc. Beet Beet Technol. Proc. 6:708-715. Ref. 1950. 66.9 Am35

- 52888 MODIANOV, A. V. Dynamics of wool growth in Kulbyshev sheep breed. (In Russian.) Vsesoifuzn. Nauch. Issled. Inst. Zhivotn. Trudy 18:103-116. 1950. 49.9 R92

Effects of feeding chiefly.

- 52889 PLATTEN, M. The battle of the harvest, 1950 Brit. Goat Soc. Mon. J. 44:62. Apr.1951. 40.19 B77M
- Drying hay for goats.

- 52890 PLIMPTON, A. A. The feeding problem. Brit. Goat Soc. Ybk. 1951:41,43-44. 40.19 B77

- 52891 SAEELAND, J. Pasture season for sheep in the mountain districts. (In Norwegian.) Landbrukstidende 57:147-148. Feb.21,1951. 11 L236

- 52892 THOMAS, W. E., and others. The utilization of inorganic sulfates and urea nitrogen by lambs. J. Nutr. 43:515-523. Ref. Apr.10,1951. 389.8 J82

- J. K. Loosli, H. H. Williams, and L. A. Maynard, joint authors.

Veterinary Medicine

- 52893 AMOROSO, E. C., BELL, F. R., and ROSENBERG, H. The localization of respiratory regions in the ovine rhombencephalon. (Abs.) J. Physiol. 113:2 P-3 P. Mar.19,1951. 447.8 J82

- 52894 BALDURSSON, J. Impairment of health and silage. (In Icelandic.) Freyr 46:20-21. Jan.1951. 11 F89
Listeriosis in sheep.
- 52895 BOUGHTON, I. B. Some sheep diseases. No. Amer. Vet. 32:229-233. Apr.1951. 41.8 N812
- 52896 BURNS, M., and AUBER, L. Some abnormalities of keratinization in the skin of sheep. J. Compar. Path. & Ther. 61:38-47. Jan.1951. 41.8 J82
- 52897 COLLADO, L. Tratamiento de la tenia en los ovinos. Charla Rur. 149:48,58. Mar.1951. 9 C37
Monilezia expansa.
- 52898 DECKWER, N. Therapie der retentio secundinarum bei ziegen. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:58-59. Mar.1951. 41.8 B45
- 52899 DIAKOV, F. Stiffness in lambs. (In Czech.) Casopis Českoslov. Vet. 5:609-612. Ref. Dec.25,1950. 41.8 C27
- 52900 DOBBS, E. M., and MCINTYRE, R. W. A case report of vibronic abortion in a goat herd. Calif. Vet. 4 (4):19. Mar./Apr.1951. 41.8 C12
Vibrio fetus found.
- 52901 EDWARDSON, J. Animal health. V. The health of goats. Young Farmer 19:17,19-20. Jan./Feb. 1951. 10 Y8
- 52902 FRASER, A. Twin-lamb disease. Farmer & Stock-Breeder 65(3208):97. Apr.17,1951. 10 F228
Pregnancy disease in ewes.
- 52903 GOLDBERG, A. Life history: Oesophagostomum venulosum, a nematode parasite of sheep and goats. Helminthol. Soc. Wash. Proc. 18:36-47. Jan.1951. 436.9 H36
- 52904 GORB, T. V. Effect of protein concentrates and vitamin A on growth and health condition of Romanovsk sheep. (In Russian.) Vsesoŭzn. Nauch. Issled. Inst. Zhivotn. Trudy 18:117-126. Ref. 1950. 49.9 R92
- 52905 GORNÉS GÓMEZ, H. Apuntes a una patologia marroqui. III. Veterinaria 15:189-203. Mar.1951. 41.8 V6429
Sheep and goat diseases.
- 52906 GRAY, M. L., JOHNSTON, R. L., and THORP, F., JR. Listeriosis in young lambs. M. S. C. Veterinarian 11:108,136. Spring 1951. 41.8 M582
- 52907 HODGSON-JONES, I. S. Orf in London. Brit. Med. J. 4710:795-796. Apr.14,1951. 448.8 B77
Virus from sheep malady causes contagious pustular dermatitis in man.
- 52908 HONEKER. Die ziegentuberkulose. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:55-58. (Concl.) Mar. 1951. 41.8 B45
- 52909 HUGGETT, A. S., WARREN, F. L., and WARREN, N. V. The origin of the blood fructose of the foetal sheep. J. Physiol. 113:258-275. Ref. Apr.26, 1951. 447.8 J82
- 52910 JIRINA, K. Pathologic changes in horses and sheep employed in the serum production. II. Sheep. (In Czech.) Casopis Českoslov. Vet. 5:549-560. Ref. Dec.10,1951. 41.8 C27
- 52911 JOHNS, A. T. The mechanism of propionic acid formation in fermentation with special reference to the rumen of sheep. Cambridge. U. Abs. Diss. 1948/49: 36-37. 1950. 241.8 C14
- 52912 KENDREW, J. C. The crystal structures of foetal and adult sheep haemoglobins and of horse myoglobin. Cambridge. U. Abs. Diss. 1948/49:163-164. 1950. 241.8 C14
- 52913 KIDDLE, P., MARSHALL, R. A., and PHILLIPSON, A. T. A comparison of the mixtures of acetic, propionic and butyric acids in the [sheep] rumen and in the blood leaving the rumen. J. Physiol. 113:207-217. Ref. Apr.26,1951. 447.8 J82
- 52914 LITTLEJOHN, A. I. Curing "sore eyes" in sheep. Farming News & No. Brit. Agr. 103(9):10. Mar. 2,1951. 10 N82
Inturned eyelids of lambs.
- 52915 LLOYD, G. M., MACDONALD, A., and GLOVER, R. E. Human infection with the virus of contagious pustular dermatitis. Lancet 260:720-721. Mar.31,1951. 448.8 L22
Contracted from sheep.
- 52916 MANJREKAR, S. L. A preliminary note on rickettsiosis in sheep and goats in Bombay State. Cur. Sci. 20:74-75. Mar.1951. 475 Sci23
- 52917 MARKOVA, K. V. Sulfur metabolism and wool productivity of sheep. (In Russian.) Vsesoŭzn. Nauch. Issled. Inst. Zhivotn. Trudy 18:233-241. 1950. 49.9 R92
- 52918 MASSON, M. J., and PHILLIPSON, A. T. The absorption of acetate, propionate and butyrate from the rumen of sheep. J. Physiol. 113:189-206. Ref. Apr.26, 1951. 447.8 J82
- 52919 MURAV'EV, L. D. Atypical run of fascioliasis in sheep. (In Russian.) Veterinariia 27(12):28-29. Dec. 1950. 41.8 V6426
- 52920 NASR, H. Amylolytic activity in the rumen of the sheep. J. Agr. Sci. 40:308-310. Ref. July 1950. 10 J822
- 52921 PATTISON, I. H., and HOLMAN, H. H. Studies on experimental streptococcal mastitis. IV. The disease caused by inoculation of Streptococcus agalactiae strain S₁₃ into the teat canal of goats. J. Compar. Path. & Ther. 61:26-37. Jan.1951. 41.8 J82
- 52922 PÉTURSSON, J. G. Danger of disease from silage feed. (In Icelandic.) Freyr 46:71-74. Mar.1951. 11 F89
Discussion, by P. A. Pálsson.
Listeriosis in sheep.
- 52923 PLATTEN, M. E. Cobalt pine in goats. Brit. Goat Soc. Ybk. 1951:12-13. 40.19 B77
- 52924 REID, R. L. Certain aspects of carbohydrate metabolism in sheep. Cambridge. U. Abs. Diss. 1948/49: 44-45. 1950. 241.8 C14
- 52925 ROBINSON, T. J. Reproduction in the ewe. Cambridge Philos. Soc. Biol. Rev. 26:121-157. Ref. May 1951. 442.9 C14
Estrus, pregnancy, breeding, etc.
- 52926 ROSE, D. Keeping hoofs trimmed is absolute necessity. Dairy Goat J. 29(5):11. May 1951. 40.18 M592
- 52927 SCHWARTZ, B., and others. An epizootic of parasitic gastroenteritis in feeder lambs. Helminthol. Soc. Wash. Proc. 18:1-5. Jan.1951. 436.9 H36
A. O. Foster, J. E. Peterman, J. L. Wilbur, Jr., and K. C. Kates, joint authors.
Due to Haemonchus contortus, Ostertagia circumcincta, Trichostrongylus colubriformis, Nematodirus spathiger, Dictyocaulus filaria, etc.
- 52928 SELLERS, K. C. Disease and your animals. Brit. Goat Soc. Ybk. 1951:52-53,55-57. 40.19 B77
- 52929 SHANKS, P. L. Entero-toxaemia or pulpy kidney disease in goats. Brit. Goat Soc. Ybk. 1951:21. 40.19 B77
- 52930 WARD, G. W. Diseases of the feet of sheep. I-II. Westralian Farmers Co-op Gaz. 20:53-55,57,129,131. Jan.-Feb.1951. 280.28 W522
- 52931 WILKS, N. E. Some observations on the biology of larvae of Dictyocaulus filaria, a common lungworm of sheep. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:82. Oct.1950. 500 C717

Miscellaneous

- 52932 ADAIR, W. Hill Sheep Production Station [Great Britain]. Farming News & No. Brit. Agr. 103(10): 10,11. Mar.9,1951. 10 N82
Proposal for the Station rejected by the Hill Farm Research Committee.
- 52933 BIEGERT, K. Leistungsprüfungen in der deutschen schafzucht. Tierzüchter 3:196-198. Apr.5, 1951. 49 T445
Wool and meat production.
- 52934 BRITISH GOAT SOCIETY. Year book for 1951. London,Headley,1951. 100 p. 40.19 B77
- 52935 CAPRON, R. H. The "household" goat. Brit. Goat Soc. Ybk. 1951:37-39. 40.19 B77
- 52936 DOEHNER, H. Die möglichkeiten der schafhaltung in allen betriebsformen der landwirtschaft. Tierzüchter 3:190-193. Apr.5,1951. 49 T445
- 52937 DONOVAN, H. There's money in sheep! Pa. Farmer 144:301,327. Apr.14,1951. 6 P383
Sheep management.
- 52938 EGERTON, J. R. Where do we stand? Brit. Goat Soc. Ybk. 1951:64-66. 40.19 B77
British goat industry.
- 52939 ELLIOTT, E. Shows help train future goat breeders. Dairy Goat J. 29(5):9. May 1951. 40.18 M592
- 52940 ETTIEN, I. E. Showing the man from Missouri. Dairy Goat J. 29(5):10-11. May 1951. 40.18 M592
Goat keeping.
- 52941 FERRIE, J. W. There is work to raising sheep. Farmer's Mag. 48(4):80-81. Apr.1951. 7 C165
- 52942 FORTESCUE, H. R. The law affecting goat keeping. II. Brit. Goat Soc. Ybk. 1951:57,59-61,63-64. 40.19 B77
- 52943 GÄRTNER. Woll- und fleischerzeugung der deutschen schafzucht. Tierzüchter 3:183-186. Apr.5, 1951. 49 T445
- 52944 INGALLS, S. B. How to raise buck kids for meat. Dairy Goat J. 29(5):8-9. May 1951. 40.18 M592
- 52945 JEFFERY, H. E. 1950 in retrospect. Brit. Goat Soc. Ybk. 1951:5-6. 40.19 B77

52946 LINNENKOHL, K. Die schafzucht und ihre volkswirtschaftliche bedeutung für die gesamt-europäische wirtschaft. *Tierzüchter* 3:193-196. Apr.5,1951. 49 T445

52947 MACNAMARA, O. P. Labour-saving suggestions. *Brit. Goat Soc. Ybk.* 1951:69. 40.19 B77

52948 MUIRHEAD, S. G. F. Goat keeping in Scotland. *Brit. Goat Soc. Ybk.* 1951:9,11-12. 40.19 B77

52949 NORTON, H. C. Learn goatkeeping from the goat. *Dairy Goat J.* 29(5):4-5. May 1951. 40.18 M592

52950 OLDACRE, W. B. On goats. *Brit. Goat Soc. Ybk.* 1951:49,51. 40.19 B77

52951 PELCHAT, V. Retournons a nos moutons. *Terre de Chez Nous* 23(11):27. May 9,1951. 7 T27

52952 PROULX, J. R. Actualités printanières à la bergerie. *Terre de Chez Nous* 23(10):9,21. May 2,1951. 7 T27

Sheep care.

52953 RYLAND, H. E. Goats in Spain. *Brit. Goat Soc. Ybk.* 1951:73,75. 40.19 B77

52954 SHEARING for beginners. *Austral. Junior Farmer* 3(3):7-11,13,15-18. Jan./Feb.1951. 23 Au782

52955 SHIELDS, J. Beginners' questions answered. *Brit. Goat Soc. Ybk.* 1951:71-72. 40.19 B77

Care of goats.

52956 SWANN, H. Goats in Spain. *Brit. Goat Soc. Mon. J.* 44:63-64. Apr.1951. 40.19 B77M

52957 WARNER, E. A. Learn key positions; then shearing becomes easy. *Natl. Wool Grower* 41(5):28-29. May 1951. 45.8 N21N

52958 WOOLFSON, W. Scourable sheep branding paint ready for market. *Natl. Wool Grower* 41(5):26. May 1951. 45.8 N21N

52959 YEAMAN, A. F. Sheep stocks menaced by deer invasion [Scotland]. *Farming News & No. Brit. Agr.* 103(12):3. Mar.23,1951. 10 N82

SWINE

Breeds and Breeding

52960 BRUNNERT, J. Amtliche hauptkörnung und bunte eber. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:512. Apr.5,1951. 18 L2346

52961 CULVER, A. Indiana has many fine Berkshires. *Berkshire News* 16(7):9,16-17. May 1951. 46.8 B454

52962 FORTENBERRY, J. Controlled breeding of swine. *Iowa State Col. Vet.* 13:85-86. 1951. 41.8 V6425

52963 FRY, H. S. How to get a new pig. *Country Guide* 70(3):13,40-41. Mar.1951. 7 G76

Swine breeding research at the Lacombe Experiment Station, Alberta.

52964 HANSON, L. E. The fertility of boars reared in a restricted environment. *Amer. J. Vet. Res.* 12:118-122. Apr.1951. 41.8 Am3A

52965 LYBROOK, P. Looking ahead to July—and beyond. *Chester White J.* 41(5):4,23. May 1951. 46.8 W582

52966 REYNTENS, N. Des qualités de la race porcine rustique améliorée. *Annu. Agr. et Hort.* (1949/50)2:103-107. 1950. 13 An7

Belgium.

52967 STODGHILL, T. D. Strong and weak bloodlines. *OIC News* 17(2):10;(3):8. Feb.-Mar.1951. 46.8 O11

52968 ZHIRNOV, I. E. Meat and bacon productivity of Livenskaja and Large White swine breeds. (In Russian.) *Vsesojuzn. Nauch. Issled. Inst. Zhivotn. Trudy* 18:209-230. Ref. 1950. 49.9 R92

Feeds and Feeding

52969 BONADONNA, T. Notes on swine feeding. (In Italian.) *Mondo del Latte* 1951:33-34,37,39-41,43-44,47. (Cont.) Jan.1951. 44.8 M74

52970 CATRON, D., and CUFF, P. Runt pigs can be saved. *Iowa State Col. Agr. Ext. Iowa Farm Sci.* 5:119-122. Feb.1951. 275.28 Io94

Feeding antibiotics.

52971 CUNHA, T. J., and WALLACE, H. D. Preliminary observations on vitamin B₁₃ in swine feeding. *Distillers Feed Conf. Proc.* 6:27-29. 1951. 389.79 C765

52972 DAY, D. I. How swine supplements are made and sold. *Amer. Miller & Processor* 79(5):66,68. May 1951. 298.8 Am32

52973 ECKHOFF. Mehr kartoffeln in den schweinetrog! *Tierzüchter* 3:100. Feb.20,1951. 49 T445

52974 FINKELE, S. B. Sodium nutrition of swine. (In Russian.) *Vsesojuzn. Nauch. Issled. Inst. Zhivotn. Trudy* 18:94-102. Ref. 1950. 49.9 R92

52975 GIULIANI, R. Foods that may be used in swine feeding and standards for their use. (In Italian.) *Riv. di Zootec.* 24:1-5. (Cont.) Jan.1951. 49 R52

52976 GIULIANI, R. Nutritional needs and the feeding of swine. 2. (In Italian.) *Riv. di Zootec.* 23:373-378. Dec.1950. 49 R52

52977 HOEKZEMA, J. P. Most runty pigs are eliminated by proper feeding. *Ind. Farmers Guide* 107(8):22-23. Apr.15,1951. 6 Im2

52978 KINGSTON, S. J. Fodder beet. *Pig Breeders' Gaz.* 65:51,53. Apr.1951. 46.8 N21

Mangolds and sugarbeets.
52979 LACEY, J. J. What hog producers are asking. *Hoard's Dairyman* 96:359. Apr.25,1951. 44.8 H65

Swine feeding and population outlook.

52980 LASLEY, J. F., and ANDERSON, G. C. Formulating rations for swine. *Mo. Agr. Expt. Sta. C.* 356,11 p. Mar.1951. 100 M693

52981 LOOSLI, J. K. Amino acid requirements of swine. *Soybean Digest* 11(6):26-28. Apr.1951. 60.38 So9

52982 MOREHOUSE, N. F. New growth stimulant for swine provides profit opportunity. *Grain & Feed Rev.* 40(9):18. May 1951. 280.28 C78

3-nitro 4-hydroxyphenylarsonic acid.

Similar title in *Feedstuffs* 23(18):48-49. May 5,1951. 286.81 F322

52983 NESTEROVA, E. A. Utilization of carotene by growing pigs. (In Russian.) *Vsesojuzn. Nauch. Issled. Inst. Zhivotn. Trudy* 18:89-93. 1950. 49.9 R92

52984 NISSEN, M. Feeding of slaughter swine. (In Danish.) *Dansk Landbr.* 70:129-130. Mar.15,1951. 280.28 V91

52985 NORDFELDT, S., and others. Production of soft pork in Hawaii. *Hawaii. Agr. Expt. Sta. Prog. Note* 64,6 p. Mar.1951. 100 H313P

K. Morita, I. Iwanaga, G. Fujimoto, K. J. Orr, and L. A. Henke, joint authors.

Commercial rations and feeding tests.

52986 OWTRAM, I. H. Systems of pig feeding and management in New Zealand. III. *New Zeal. J. Agr.* 82:67-68. Jan.15,1951. 23 N48J

Pig production on buttermilk.

52987 POPEKHINA, P. S. Utilization of nitrogenous substances of feeds by growing pigs. (In Russian.) *Vsesojuzn. Nauch. Issled. Inst. Zhivotn. Trudy* 18:74-88. 1950. 49.9 R92

52988 PRIEN, H. G. Der deutsche kartoffelbau als grundlage unserer schwelnemast. *Kartoffelwirtschaft* 4:142-143. Apr.20,1951. 286.83 K14

52989 REYNTENS, N. L'alimentation des porcs à l'engrais. *Annu. Agr. et Hort.* (1950/51)3:78-81. 1951. 13 An7

52990 SIMON, E. I. Effect of feed factors on the early fat accumulation in swine. (In Russian.) *Vsesojuzn. Nauch. Issled. Inst. Zhivotn. Trudy* 18:57-73. Ref. 1950. 49.9 R92

52991 STEWARD, B. A. Let your sows feed themselves this summer; they graze like cows—and thrive on good grass. *Dairy Farmer* 24(5):36. May 1951. 44.8 D1414

52992 TRAUTMANN, A., and MOCH, R. Zur frage der hormonalen beeinflussung des fettansatzes beim schwein durch östrogene. *Tierärztl. Umschau* 6:121-122. Apr.1951. 41.8 T445

52993 TULLY, W. C. Sow and young pig feeding has changed. *Amer. Feed & Grain Dealer* 35(3):16,48. Apr. 1951. 298.8 C83

Veterinary Medicine

52994 BAKKER, S. On Kondo, Staub, and Traug- absorbate vaccines against swine erysipelas. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:295-305. Apr.15,1951. 41.8 T431

English summary.

52995 BAUER, H. R. Ferkelverluste, eine züchtungs- hygiene für tierzüchter und tierärzte. *Hannover, Schaper,* 1950. 140 p. 46 B322

Diseases and parasites, care and feeding.

52996 BESSON, Y. Oestrogènes de synthèse et cryptorchidie chez un porc. *Rec. de Méd. Vét.* 127:92-93. Feb.1951. 41.8 R24

52997 BIGGER, B. W. A case report of chronic swine erysipelas. *M. S. C. Veterinarian* 11:124-125. Spring 1951. 41.8 M582

52998 DELAK, M. Über die wirkung des natrium-fluorid (natrium fluoratum) auf *Ascaris lumbricoides* des schweines. *Schweiz. Arch. f. Tierheilk.* 93:184-193. Ref. Mar.1951. 41.8 Sch9

English summary.

- 52999 DINTER, Z. Results of recent studies on swine erysipelas. (In Italian.) Clin. Vet. 74:36-47. Ref. Feb. 1951. 41.8 C61
- 53000 GULRAJANI, T. S. Studies on respiratory diseases of pigs. I-II. J. Compar. Path. & Ther. 61:48-70. Ref. Jan. 1951. 41.8 J82
- I, Modified haemagglutination-inhibition technique for titration of influenzal antibodies in pig and ferret sera, p.48-59; II, Antibody response to adjuvant vaccine against swine influenza, p.60-70.
- 53001 HANSON, L. E. You can prevent anemia in suckling pigs. Minn. Farm & Home Sci. [Minn. Sta.] 8(2):4,15. Feb. 1951. 100 M668
- 53002 HARTWIGK, H. Die gastro-enteritis des schweines. Monatsh. f. Vetmed. 6:63-67. Ref. Feb. 15, 1951. 41.8 M742
- 53003 HEMMES, G. D. Infection with *S. paratyphi B* [*Salmonella schottmuelleri*] derived from a pig. (In Dutch.) Tijdschr. v. Diergeneesk. 76:258-261. Apr. 1, 1951. 41.8 T431
- English summary.
- 53004 HENDERSON, J. A., and others. How I handle swine enteritis in my practice; a practitioners' symposium. Jen-Sal J. 1951:4-9. May 1951. 41.8 J45
- Short articles by J. A. Henderson, J. W. Siemens, S. G. Paul, and L. C. Witt.
- 53005 HERRICK, J. B. Safe way to worm your pigs. Successful Farming 49(5):94. May 1951. 6 S12
- 53006 HRUŠKA, K. Acute swine plague or morbus maculosus of pigs? (In Czech.) Časopis Českoslov. Vet. 5:547-549. Dec. 10, 1950. 41.8 C27
- French summary.
- 53007 HRUŠKA, K. An experimental contribution to erysipelas suis. (In Czech.) Časopis Českoslov. Vet. 5:607-609. Dec. 25, 1950. 41.8 C27
- French summary.
- 53008 HUGHES, C. E. Can you risk hog-cholera vaccination? Successful Farming 49(5):104,106-107. May 1951. 6 S12
- 53009 KAZAKOV, B. N., and LIUBIMOV, V. I. Anaphylactic shock in swine during passive immunization. (In Russian.) Veterinarifa 27(12):23-24. Dec. 1950. 41.8 V6426
- 53010 KEILHOLZ, F. J. Now we can eradicate hog cholera; new "lapinized" vaccine should be cheaper, give permanent one-shot immunity and end many old troubles. Country Gent. 121(5):29,120-121. May 1951. 6 C833
- 53011 KRAUSE, A. W. Swine practice. (Extr.) Iowa Vet. 22(3):12-13,24,26,28,30. May/June 1951. 41.8 Io9
- 53012 LA BANDA EGIDO, P. Mortalidad en los lechones. B. de Divulg. Ganad. [Valladolid] 7:277-286. Sept. 1950. 49.9 S12
- 53013 MCCANCE, R. A., and OTLEY, M. Course of the blood urea in newborn rats, pigs and kittens. J. Physiol. 113:18-22. Mar. 19, 1951. 447.8 J82
- 53014 MACRIDES, J. Ovotestis chez un porc. Rec. de Méd. Vét. 127:38-39. Jan. 1951. 41.8 R24
- 53015 O'DONOGHUE, J. G. Conjoined twin pigs. Canad. J. Compar. Med. 15:96-97. Apr. 1951. 41.8 C162
- 53016 POPOVA-BATUEVA, L. V. Treatment of bronchopneumonia in young pigs with penicillin. (In Russian.) Veterinarifa 27(12):22-23. Dec. 1950. 41.8 V6426
- 53017 PRIOUZEAU, M. Hémophilie et purpura hémorragique du porcelet. Rec. de Méd. Vét. 127:161-165. Mar. 1951. 41.8 R24
- 53018 QUIN, A. H. Some points of interest on swine diseases. No. Amer. Vet. 32:233-235. Apr. 1951. 41.8 N812
- 53019 REAGAN, R. L., BRUECKNER, A. L., and POELMA, L. J. Morphologic studies of hog cholera virus by electron microscopy. Amer. J. Vet. Res. 12:116-117. Apr. 1951. 41.8 Am3A
- 53020 ROSERO S., C. Ascaridiosis porcina. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(64):9-10. Oct./Dec. 1950. 9.5 M31
- 53021 SCHAPER, G. Mast und kastration weiblicher schweine mit dem synthetischen follikelhormon "foragynol." Tierärztl. Umschau 6:124-127. Apr. 1951. 41.8 T445
- 53022 SIMON VICENTE, F. Nematodes parásitos gástricos del "Sus scrofa domesticus L." de España. Rev. Ibérica de Parasitol. 10:363-377. Ref. July 1950. 436.8 R32
- 53023 SPLITTER, E. J. Eperythrozoonosis in swine. Iowa State Col. Vet. 13:77-81. 1951. 41.8 V6425
- 53024 STUBENRAUCH, L. Prolapsus uteri ante partum beim schwein. Wien. Tierärztl. Monatsschr. 38:248-249. Apr. 1951. 41.8 T345
- 53025 TAEGLE, B. Paraplegic porcine acrobat. Sowest. Vet. 4(2):25. Jan. 1951. 41.8 So82
- 53026 TESTONI, R. Internal parasites of swine; systems for prevention and cure. (In Italian.) Riv. di Zootec. 24:32-35. Jan. 1951. 49 R52
- 53027 VILLENEUVE, P. Maladie des porcs et mauvaise alimentation. B. des Agr. 47(3):66,85. Mar. 1951. 7 B872

Miscellaneous

- 53028 BENEKE, R. R. Taking guesswork out of hog raising. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:155-156. Apr. 1951. 275.28 Io94
- Management.
- 53029 BLAKE, N. D. We find Nature's way best; our system of pig-keeping is simple and easy to expand. Dairy Farmer 24(5):35. May 1951. 44.8 D1414
- 53030 COFFEY, J. S. Improved methods of swine production. Berkshire News 16(7):6,9,11. May 1951. 46.8 B454
- Breeding, feeding, sanitation.
- Also in Chester White J. 41(5):3,11. May 1951. 46.8 W582
- 53031 DAVIDSON, H. R. La production du porc en Grande-Bretagne. Bétail & Basse-Cour 6:133-135. Mar. 1951. 49 B462
- 53032 DELLA-TOLA, J. The care of the farrowing sow and the litter. Countryman [Nicosia] 5(3):15-16. Mar. 1951. 25 C83
- 53033 ECKHOFF, H. Das deutsche schweineleistungsbuch als förderer der leistungszucht. Tierzüchter 3:61-65. Feb. 5, 1951. 49 T445
- 53034 FONTAN, J. M. Cría práctica del cerdo. Agr. Costarricense 9:77-90. (Cont.) Feb. 1951. 8 Ag895
- 53035 GMEIN, W. Die anpassungsfähigkeit als leistungseigenschaft der deutschen schweinerassen. Tierzüchter 3:65-68. Feb. 5, 1951. 49 T445
- 53036 HODGSON, R. E. It's time to scrub. Amer. Feed & Grain Dealer 35(3):24. Apr. 1951. 298.8 C83
- Swine sanitation.
- 53037 HONKIO, I. From the activities of our Swine Research Station. (In Swedish.) Svinet 28:10-12. Dec. 1950. 46.8 Sv22
- Finland.
- 53038 HOWIE, J. W. Preventing losses among young pigs. Scot. Agr. 30:188-191. Spring 1951. 10 Sco82So
- 53039 LACEY, J. J. Have you planned these things for 1951? Hoard's Dairyman 96:409. May 10, 1951. 44.8 H65
- Swine care.
- 53040 LYBROOK, P. Good pictures pay. Chester White J. 41(5):5-6. May 1951. 46.8 W582
- 53041 MCMILLEN, W. N. The sow and litter. OIC News 17(3):4. Mar. 1951. 46.8 O11
- 53042 MAULE, J. P. Pig husbandry in the British colonies. Pig Breeders' Gaz. 65:33-35, 37, 39, 41. Apr. 1951. 46.8 N21
- 53043 NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Profits with a brood sow & pig program. N. C. Agr. Col. Ext. Folder 83, 6 p. Mar. 1951. 275.29 N811Ex
- 53044 RAWN, B. Expert judging ability shown in 1951 Duroc picture contest. Duroc News 25(5):8-9, 20, 22-24, 26-27, 34. May 1951. 46.8 N212
- 53045 SCHAI, J. Schweinewärterprüfungen. Grüne 79:129-130. Feb. 2, 1951. 17 Sch9
- 53046 SCHMIDT, J. Fleisch- und fetterzeugung über die verschiedenen deutschen schweinerassen. Tierzüchter 3:57-61. Feb. 5, 1951. 49 T445
- 53047 SCHNEIDER, J. Schweinezüchtung und haltung. Leipzig, Hachmeister & Thal, 1950? 40 p. (Lehrmeister-Bücherei Nr. 65) 46 Sch52
- 53048 STEGEN, H. Typ und qualität der deutschen schlachtschweine, ihre verarbeitung und verwertung. Tierzüchter 3:71-73. Feb. 5, 1951. 49 T445
- 53049 TROG, W. Erfolgreiche schweineaufzucht. Neue Mitt. f. die Landwirt. 6:218-219. Apr. 7, 1951. 18 N39
- 53050 WATSON, R. G. An onlooker at British pigs. Pig Breeders' Gaz. 65:29, 31. Apr. 1951. 46.8 N21

ENTOMOLOGY

GENERAL

- 53051 BAER, J. G. Ecology of animal parasites. Urbana, U. Ill. Press, 1951. 224 p. Ref. 436 B142E
Includes mites and insects.
- 53052 BAYNES, E. S. A. Report on migrant insects in Ireland for 1950. Irish Nat. J. 10:134-135. Jan. 1951. 410 Lr42
- 53053 COCKAYNE, E. A. The international rules of zoological nomenclature. Ent. Rec. & J. Variation 63:38-40. Mar./Apr. 1951. 421 En89
- 53054 EDDY, B. Live insects in the classroom. Outdoors Illus. 3:60-65. Mar./Apr. 1951. 410 C162
- 53055 GHIGI, A. La vita degli animali [The life of animals]. Torino, Unione Tipografica, Editrice Torinese, 1950. v.2-3. 411 G342V
Contains material on insects and other arthropods.
- 53056 GLUCK, B. L. Photographing wildlife at home. U. S. Camera 14(6):48-51. June 1951. 332.8 Un3A
Includes insects.
- 53057 GRAYSON, J. M. Acidity-alkalinity in the alimentary canal of twenty insect species. Va. J. Sci. (n.s.) 2:46-59. Ref. Jan. 1951. 470 V81
- 53058 HACKMAN, R. H. Chemistry of the insect cuticle. Cambridge. U. Abs. Diss. 1948/49:136. 1950. 241.8 C14
- 53059 HAMILTON, W. J., JR. The food of nestling bronzed grackles, *Quiscalus quiscula versicolor*, in central New York. Auk 68:213-217. Apr. 1951. 413.8 Au4
Includes insects.
- 53060 HELSINGIN HYÖNTEISVAIHTOYHDISTYS. Enumeratio insectorum Fenniae et Sueciae, v. I (1-2)-II. Helsinki, 1944-50. 422.51 En82
I, Lepidoptera (1) Macrolepidoptera, 1944; (2) Microlepidoptera, 1950; II, Coleoptera, 1947.
- 53061 KNAPP, F. T. Insects of the trout streams. Cranbrook Inst. Sci. News Let. 20:61-70. Apr. 1951. 410.9 C85N
- 53062 KOMÁREK, J. The vertical geographical migration of some phytophagous insects. (Ips typographus L., Lymantria monacha L., Lecanium coryli L., Semasia piniana Gn., etc.). (In Czech.) Českoslov. Společnost Ent. Casopis 47:110-119. Ref. 1950. 420 C33
English summary.
- 53063 MATHESON, R. Entomology for introductory courses. Ed. 2. Ithaca, N.Y., Comstock, 1951. 629 p. 422 M42E
- 53064 MICKEL, C. E. The classification of insects. Ent. Soc. Amer. Ann. 42:1-6. Mar. 1949. 420 En82
- 53065 NOMURA, K. Konchugaku nyumon [Introduction to entomology]. Tokyo, Hokuryukan, 1950. 260 p. 422 N72
- 53066 ROEDER, K. D. Movements of the thorax and potential changes in the thoracic muscles of insects during flight. Biol. B. 100:95-106. Ref. Apr. 1951. 442.8 B52
Experiments with *Periplaneta americana*, *Agrotis* sp., *Calliphora* sp., *Lucilia* sp., *Eristalis* sp., and *Vespa* sp.
- 53067 ROONWAL, M. L. Errata to C. F. C. Beeson's (1941) book: "The ecology and control of the forest insects of India and the neighbouring countries." Indian Forester 77:118-123. Feb. 1951. 99.8 In2
- 53068 ROSS, W. A. Relationship between the Entomological Society of Canada and regional entomological societies in Canada. Canad. Ent. 83:91-92. Apr. 1951. 421 C16
- 53069 SEVASTOPULO, D. G. Birds and insects. Ent. Mon. Mag. 87:102. Apr. 1951. 421 En86
- 53070 SHAW, S. Reforms in zoological nomenclature. Ent. Mon. Mag. 87:22. Jan. 1951. 421 En86
- 53071 SMITH, A. H., and DOUGLAS, J. R. An insect respirometer. Ent. Soc. Amer. Ann. 42:14-18. Mar. 1949. 420 En82
- 53072 THOMPSON, W. R. The illustration of entomological papers. Canad. Ent. 83:107-108. Apr. 1951. 421 C16
- 53073 TILDEN, J. W. The insect associates of *Baccharis pilularis* de Candolle. Microentomology 16:149-185. Apr. 12, 1951. 421 M58
Includes arachnids.
- 53074 TIMMS, C. The inevitable matchbox. Ent. Rec. & J. Variation 63:41-42. Mar./Apr. 1951. 421 En89
Useful for collecting insect specimens.
- 53075 VIBE, C. Some insects new to Greenland. Ent. Meddel. 25:419-420. 1950. 421 En82
Homoptera, Trichoptera, Lepidoptera, Diptera, and Coleoptera.

53076 WAKELY, S. Collecting in North Devon and Cornwall, 1950. Ent. Rec. & J. Variation 63:36-38. Mar./Apr. 1951. 421 En89

53077 WIGGLESWORTH, V. B. The principles of insect physiology. Ed. 4, rev. London, Methuen, 1950. 544 p. Ref. 422 W63P

53078 WILLIAMS, C. B. Changes in insect populations in the field in relation to preceding weather conditions. Roy. Soc. London. Proc. Ser. B, Biol. Sci. 138(890):130-156. Feb. 15, 1951. 501 L84B

53079 WILLIAMS, C. B. On educating an entomologist. Empire Cotton Growing Rev. 28:97-102. Apr. 1951. 72.8 Em7

GENERAL - ECONOMIC

53080 AGARWALA, S. B. D., and PRASAD, S. N. Need for laboratory trials to precede field trials and control operations against pests. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1, sect. 2):53-54. 1951. 65.9 C766

53081 ALESSANDRINI, M. E. Detection and determination of octa-klor (chlordan) in commercial products and on sprayed surfaces. Internatl. Cong. Crop Protect. Abs. Commun. 2:92-93. 1949. 464.9 In832

53082 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. Proceedings of the sixty-second annual meeting, Denver, Colorado, December 18, 19, 20 and 21, 1950. J. Econ. Ent. 44:129-145. Feb. 1951. 421 J822

53083 ANGELL, G. N. Insecticides keep scientists (and farmers) busy. Idaho Farmer 69:350, 370. May 3, 1951. 6 G282

53084 ASQUITH, D. Results of special petal fall and first cover mist sprays on Stayman. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:50. 1950. 81 C91

For insect pests.

53085 BALACHOWSKY, A. La lutte contre les insectes; principes, méthodes, applications. Paris, Payot, 1951. 380 p. Ref. 423 B18L

53086 BELLAMY, L. J. Applications of infra-red spectroscopy to insecticide analysis. Internatl. Cong. Crop Protect. Abs. Commun. 2:63-64. 1949. 464.9 In832

53087 BERGER, G., and others. Parasites et affections diverses de l'olivier. Terre Marocaine Spec. No. 1951:21-30. 24 T44

R. Bouheller, P. Bremond, and M. Jourdan, joint authors. Insect pests and diseases.

53088 BERGMAN, S. A scheme of insecticide, fungicide, etc., supervision in Sweden based on an agreement between authorities and associations of manufacturers and merchants. Internatl. Cong. Crop Protect. Abs. Commun. 2:101-102. 1949. 464.9 In832

53089 BETREM, J. G. The commission for research on biological control. (In Dutch.) Ent. Ber. 13:237-238. Mar. 1, 1951. 420 N38B

53090 BIDSTRUP, P. L. The health hazards of D.N.O.C. Internatl. Cong. Crop Protect. Abs. Commun. 2:56. 1949. 464.9 In832

53091 BREAKKEY, E. P., and WEBSTER, R. L. Insect pests of small fruits. Wash. State Col. Ext. B. 450, 36 p. Apr. 1951. 275.29 W27P

53092 BRIANTSEV, B. A. Zashchita rasteniy ot vrediteley i bolezney [Protection of plants from pests and diseases]. Ed. 3. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 640 p. (Uchebniki i Uchebnye Posobiya dlya Sel'skokhozyaystvennykh Tekhnikumov) 464.4 B76

53093 CALINGAERT, G., KOLKA, A. J., and ORLOFF, H. D. Structure of the hexachlorocyclohexane melting at 145°. Amer. Chem. Soc. J. 73:2359. May 1951. 381 Am33J

53094 CHAPMAN, R. K. Control vegetable insects. Wis. Hort. 42, i.e. 41:211, 215. May 1951. 80 W752

53095 CLAUSEN, C. P. The time factor in biological control. J. Econ. Ent. 44:1-9. Ref. Feb. 1951. 421 J822

53096 CONNOLLY, P. J. Pyrethrum and rotenone sprays. Trees 11(3):8. Mar./Apr. 1951. 99.8 W52
Insect control.

53097 COOLEY, C. E. Alien insect enemies boost America's food costs. Calif. Citrog. 36:268, 291-292. May 1951. 80 C125

53098 COOMBER, H. E. Pyrethrum analysis. Internatl. Cong. Crop Protect. Abs. Commun. 2:45. 1949. 464.9 In832

- 53099 CROMBIE, L., and others. Recent synthetical developments in pyrethrum chemistry. Internatl. Cong. Crop Protect. Abs. Commun. 2:44-45. 1949. 464.9 In832
- A. J. B. Edgar, M. Elliot, S. H. Harper, M. W. Lowe, and H. W. B. Reed, joint authors.
- 53100 CROMBIE, L., and others. Some aspects of pyrethrum analysis. Internatl. Cong. Crop Protect. Abs. Commun. 2:45. 1949. 464.9 In832
- S. H. Harper, M. W. Lowe, and H. W. B. Reed, joint authors.
- 53101 CURRAN, C. H. Insects in your life. New York, Sheridan House, 1951. 316 p. 422 C93
- 53102 DAVID, W. A. L. Experiments with organo-phosphorus insecticides acting systemically. Internatl. Cong. Crop Protect. Abs. Commun. 2:12-13. 1949. 464.9 In832
- 53103 DAVIES, C. N. Inhalation risk and particle size in dust and mist. Internatl. Cong. Crop Protect. Abs. Commun. 2:60-61. 1949. 464.9 In832
- 53104 DEAN, H. A. Drawbacks of controlling insects on cotton planted in citrus groves. Tex. Farming & Citricult. 27(10):9. Apr. 1951. 80 T31
- 53105 DIERICK, G. F. E. M. Comparison of the sensitivity of various insects and mites to some mineral oil fractions. Internatl. Cong. Crop Protect. Abs. Commun. 2:95-96. 1949. 464.9 In832
- 53106 DITMAN, L. P. Ten case increase possible by spraying for sweet corn insects. 2. Food Packer 35(5):57-59. May 1951. 286.83 C165
- 53107 DOCTERS VAN LEEUWEN, W. M. Zoocercidia from Terschelling Island; second communication. (In Dutch.) Ent. Ber. 13:168-173. Ref. Nov. 1, 1950. 420 N38B
- Due to mites and insects.
- 53108 DODD, A. H. Statistical assessment of official and standard tests. Internatl. Cong. Crop Protect. Abs. Commun. 2:88-89. 1949. 464.9 In832
- Insecticides and fungicides.
- 53109 DRESDEN, D. Physiological aspects of the action of DDT. Internatl. Cong. Crop Protect. Abs. Commun. 2:28-29. 1949. 464.9 In832
- 53110 DUBOIS, K. P. The toxicity of organic phosphorus insecticides to mammals. Internatl. Cong. Crop Protect. Abs. Commun. 2:7-8. 1949. 464.9 In832
- 53111 EDWARDS, M. G. Analysis of undried pyrethrum flowers. Pyrethrum Post 2(2):2-4. Jan. 1951. 421 P99
- 53112 ELLIS B. A., and THOMPSON, P. B. An examination of some methods of the determination of D.D.T. and B.H.C. Internatl. Cong. Crop Protect. Abs. Commun. 2:64-65. 1949. 464.9 In832
- 53113 EMERY, G. A., and CHAMBERS, V. H. Developments in the formulation and application of DDT. Internatl. Cong. Crop Protect. Abs. Commun. 2:66-67. 1949. 464.9 In832
- 53114 ENGLISH, S. S. The sixth column. Ext. Serv. Rev. 22:40-42. Mar. 1951. 1 Ex892Ex
- Diseases and insect pests of plants and animals and quarantine regulations.
- 53115 FALES, J. H., and others. Insecticidal effectiveness of sprays and aerosols containing allethrin. J. Econ. Ent. 44:23-28. Feb. 1951. 421 J822
- R. H. Nelson, R. A. Fulton, and O. F. Bodenstein, joint authors.
- Tests with *Musca domestica*, *Aedes aegypti* *Anopheles quadrimaculatus*, and *Periplaneta americana*.
- 53116 FERGUSON, J. The effects of phase distribution on deduced relationships between chemical constitution and toxic action. Internatl. Cong. Crop Protect. Abs. Commun. 2:30-31. 1949. 464.9 In832
- 53117 FERGUSON, J. Recommendations for the control of external livestock parasites. Polled Hereford Mag. 8(10, i.e. 11):3. Apr. 1951. 49 P69
- 53118 FIEDLER, O. G. H. Zwei vielversprechende neue Insektizide. Anz. f. Schädlingsk. 24:57-58. Apr. 1951. 421 An9
- Aldrin and dieldrin.
- 53119 FISHER, E. H., and BERGER, K. C. Alfalfa seed production as influenced by insecticide and fertilizer application. J. Econ. Ent. 44:113-114. Feb. 1951. 421 J822
- 53120 FORMOZOV, A. N. Ptitsy i vrediteli lesa [Birds and forest pests]. Moskva, Moskovskoe Ob-vo Ispytatelei Prirody, 1950. 181 p. (Moskovskoe Obschestvo Ispytatelei Prirody. Sredi Prirody. vyp. 19) 413 F76
- 53121 FRANSEN, J. J. The development of insect control in forestry. I-II. (In Dutch.) Nederland. Heide-maatsch. Tijdschr. 62:29-35, 81-86. Feb.-Mar. 1951. 12 N282
- 53122 FUKAYA, S. Sakumotsu gaichu no tenteki [Natural enemy of crops, noxious insect]. Tokyo, Kawade Shobo, 1950. 119 p. 423 F954
- 53123 FULLMER, O. H., KULASH, W. M., and JONES, G. D. Cotton insect control in North Carolina. N. C. Agr. Col. Ext. C. 312, rev., 16 p. Mar. 1951. 275.29 N811
- 53124 GAGE, J. C. The analysis of p-nitrophenyl diethyl thiophosphate (E. 605, parathion). Internatl. Cong. Crop Protect. Abs. Commun. 2:9-10. 1949. 464.9 In832
- 53125 GARCÍA MATA, E. Acción del DDT sobre la salud de los bovinos. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(64):13-16. Oct./Dec. 1950. 9.5 M31
- 53126 GIULIANELLI, E. Spring-summer control of insects. (In Italian.) Agr. Romagn. 1951(6):1. Mar. 20, 1951. 16 Ag828
- Pests of peaches, apples, and pears.
- 53127 GLASS, E. H. Some 1950 experiments on the control of certain apple pests. N. Y. State Hort. Soc. Proc. 96:147-151. 1951. 81 N484
- 53128 GLEISSNER, B. D. Timely information on parathion. N. J. State Hort. Soc. Hort. News 32:2372-2374. Mar. 1951. 81 N46
- 53129 GREENSLADE, R. M. The practical use of systemic insecticides. Internatl. Cong. Crop Protect. Abs. Commun. 2:10-11. 1949. 464.9 In832
- 53130 GUZMAN, V. L., and CORRALES M., A. Comparativo de insecticidas en tomates. Agronomía [Lima] 15(64):17-22. Ref. Dec. 1950. 9.8 Ag83
- 53131 HARDH, H. J. E. The standardization of fungicides and insecticides in Finland. Internatl. Cong. Crop Protect. Abs. Commun. 2:99-101. 1949. 464.9 In832
- 53132 HARDY, N. H. Pyrethrum: market development and price policy. Pyrethrum Post 2(2):6-8. Jan. 1951. 421 P99
- 53133 HAYDEN, B. E. Help from the birds; efforts to attract them will be amply repaid in insect destruction. Flower Grower 38(5):36, 57-59. May 1951. 80 M72
- 53134 HEFFERNAN, T. H., SMITH, R. F., and SMITH, G. L. The California plan of supervised insect control. Cotton Gin & Oil Mill Press 52(9):20, 22. Apr. 28, 1951. 304.8 C822
- 53135 HELDRETH, H. E. Use care with insecticides. Carolina Co-op. 29(4):14-15. Apr. 1951. 72.8 N81
- 53136 HEY, G. L., and MITCHELL, A. H. Some experiences with parathion on a field scale in 1949. Internatl. Cong. Crop Protect. Abs. Commun. 2:8-9. 1949. 464.9 In832
- 53137 HUNGERFORD, H. B. Recent advances with insecticides. Kans. State Hort. Soc. Bien. Rpt. 50:54-57. 1950. 81 K13
- 53138 ITZEROTT, H. Die wirkungsweise von aktiv-gegarol. Anz. f. Schädlingsk. 24:55-57. Apr. 1951. 421 An9
- 53139 JENKINS, L. Control of apple and peach insects in Missouri for 1949. Kans. State Hort. Soc. Bien. Rpt. 50:142-145. 1950. 81 K13
- 53140 JENKINS, L. Fruit insects—1948. Kans. State Hort. Soc. Bien. Rpt. 50:27-29. 1950. 81 K13
- 53141 JOGLAR RODRÍGUEZ, F. Es necesario combatir los insectos que atacan al maíz. Lucha 2(21/22):11, 13, 19. Mar./Apr. 1951. 280.28 L96
- 53142 JOHNSON, C. C. How to cut fragment count by use of fumigants. Amer. Miller & Processor 79(4):54, 58. Apr. 1951. 298.8 Am32
- Insect fragments.
- 53143 JONES, S. C. Problems with stone fruit insects in Oregon. Oreg. State Hort. Soc. Proc. 65:22-25. 1950. 81 Or32
- 53144 JONG, C. DE. Simplification of the spraying program. (In Dutch.) Betuws Tuinbouwbl. 9(1):2-4. Mar. 3, 1951. 80 B464
- 53145 KETELAAR, J. A. A. Parathion and E 605 analysis and some chemical properties. Internatl. Cong. Crop Protect. Abs. Commun. 2:5-7. 1949. 464.9 In832
- 53146 KHANNA, K. L., and BANDYOPADHYAY, K. S. Studies in sampling technique. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1, sect. 2):41-42. 1951. 65.9 C766
- Especially in relation to sugarcane pests.
- 53147 KIPS, R. H., and WAIN, R. L. Studies on the insecticidal action and dehydrohalogenation of certain chlorinated organic compounds. Internatl. Cong. Crop Protect. Abs. Commun. 2:29-30. 1949. 464.9 In832
- 53148 KJELLANDER, E. Livestock pests. (In Swedish.) Ladugården 1951:49-51. Feb. 1951. 44.8 L12

- 53149 KNOWLTON, G. F., and KARDOS, E. H. Celery field insects of Utah. Utah. Agr. Expt. Sta. Mimeog. Ser. 376, 8 p. May 5, 1951. 100 UtiMI
Deals with Homoptera (except Aphididae), Hemiptera, and Diptera.
- 53150 LAPLANTE, A. A. Fruit insects in New York in 1950. N. Y. State Hort. Soc. Proc. 96:276-286. 1951. 81 N484
- 53151 LAPLANTE, A. A. Important changes in insect control recommendations. N. Y. State Hort. Soc. Proc. 96:178-183. 1951. 81 N484
- 53152 LINDEN, L. VAN DER. How de we control the enemies of the cauliflower culture? II. (In Flemish.) Tuinbouwberichten 14:82-84. June 15, 1950. 80 T817
- 53153 MCCALL, G. L. Factors affecting the insecticidal efficiency of the nitrophenols. Ohio. State U. Abs. Doct. Diss. 59:177-178. 1950. 241.8 Oh3
- 53154 MCCONNON, J. Chemical supply is tight, but there may be enough. Impl. & Tractor 66(8):44-45, 110. Apr. 14, 1951. 58.8 W41
Insecticides, herbicides, fungicides.
- 53155 MAPOTHER, H. R. A review of available methods for the estimation of synthetic insecticides. Internatl. Cong. Crop Protect. Abs. Commun. 2:86-87. 1949. 464.9 In832
- 53156 MARAIS, S. J. S. Investigation of Karoo pasture. IV. How much damage do insects cause? (In Afrikaans.) Wolboer 43:24-25. Feb. 1951. 45.8 W83
- 53157 MARCENAC, N. Du danger des insecticides organiques de synthèse pour les mammifères domestiques. Acad. d'Agr. de France. Compt. Rend. 37:171-174. Ref. Feb. 21/28, 1951. 14 P215Bc
- 53158 MARCOVITCH, S. Sodium fluosilicate as an activator for certain organic insecticides and herbicides. J. Econ. Ent. 44:108-109. Feb. 1951. 421 J822
- 53159 MARRISON, L. W. The examination of gamma H.C.B. by infra-red spectroscopy. Internatl. Cong. Crop Protect. Abs. Commun. 2:62. 1949. 464.9 In832
- 53160 MARTIN, H. Chemical properties of certain organo-phosphorus compounds in relation to their use as insecticides. Internatl. Cong. Crop Protect. Abs. Commun. 2:4-5. 1949. 464.9 In832
- 53161 MERRILL, L. G., JR. Insecticides for muck-farming. Amer. Fert. & Allied Chem. 114(4):26-28, 35. Apr. 1951. 57.8 Am3
Chiefly for vegetables.
- 53162 METCALF, C. L., and FLINT, W. P. Destructive and useful insects: their habits and control. Ed. 3, rev. by R. L. Metcalf. New York, McGraw-Hill, 1951. 1071 p. Ref. (McGraw-Hill P. in the Agr. Sci.) 423 M563
- 53163 METCALF, R. L. Resistance of insects to insecticide action. (Abs.) Hawaii. Acad. Sci. Proc. 25:6. 1949/50, pub. 1950. 500 H31A
- 53164 MILNER, M., LEE, M. R., and KATZ, R. Radiography applied to grain and seeds. (Abs.) Food Technol. 5(5, sup.):12. May 1951. 389.8 F7398
For detection of insect infestation.
- 53165 MOSER. Vereinfachtes spritzverfahren bei der räuselskäuferbekämpfung. Allg. Forstz. 6:166. Apr. 4, 1951. 99.8 AL52
Hyllobius abietis.
- 53166 MOTE, D. C. New insecticides, their use, advantages and limitations. Oreg. State Hort. Soc. Proc. 65:110-114. 1950. 81 Or32
- 53167 MULLER, P. On D.D.T. and the newer insecticides. Internatl. Cong. Crop Protect. Abs. Commun. 2:66. 1949. 464.9 In832
- 53168 MUNRO, J. A., and POST, R. L. Emergency insect control in North Dakota. J. Econ. Ent. 44:117-118. Feb. 1951. 421 J822
- 53169 NARAYANAN, E. S. A method to assess the damage caused to the sugarcane crop by insect pests. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2, sect. 3):41-45. 1951. 65.9 C766
- 53170 NEVES, C. M. B. On the economic importance of pests in cork plantings. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 13:27-32. Dec. 1950. 309.9 J96
English summary.
- 53171 NOGUCHI, T. Studies on the control of some insect-pests. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p. 34-48. Shidzuoka, 1950. 107.6 Sh6Co
- 53172 O'CONNOR, B. A. Biological control of insects and plants in Fiji. Fiji. Dept. Agr. Agr. J. 21:43-54. Ref. Mar./June 1950. 25 F47Ag
Includes a list of beneficial insects introduced into the Fiji Islands.
- 53173 OLIVERA BORGES, A. Finlay y la doctrina de trasmisión de enfermedades por insectos. Rev. Kuba de Med. Trop. y Parasitol. 6:141-156. Ref. Nov./Dec. 1950. 148.8 R3282
- 53174 ORRELL, W. R. A simplified method for examining the dispersing properties of insecticidal and fungicidal dispersible powders and its application to the determination of particle size distribution. Internatl. Cong. Crop Protect. Abs. Commun. 2:90-92. 1949. 464.9 In832
- 53175 PÁLSSON, P. A. Vermin on cattle. (In Icelandic.) Freyr 46:23-24. Jan. 1951. 11 F89
- 53176 PARKER, V. H. A method for the routine estimation of 2:4-dinitro-o-cresol (D.N.O.C.). Internatl. Cong. Crop Protect. Abs. Commun. 2:89. 1949. 464.9 In832
- 53177 PERETZ, J. The application of systemic insecticides for the control of insect pests. (In Hebrew.) Hassadeh 31:251-253. Feb. 1951. 26 H27
- 53178 POTTER, C. Biological methods for the study in the laboratory of insecticidal activity; their scope and validity. Internatl. Cong. Crop Protect. Abs. Commun. 2:24-25. 1949. 464.9 In832
- 53179 PREBBLE, M. L., and others. Forest entomology in relation to silviculture in Canada. I-VI. Forestry Chron. 27:6-37. Ref. Mar. 1951. 99.8 F7623
I, A review of general principles, by M. L. Prebble; II, Dieback of birch, by R. E. Balch and G. W. Barter; III, The spruce budworm [Choristoneura fumiferana] problem, by M. L. Prebble and R. F. Morris; IV, The larch sawfly [Pristiphora erichsonii] problem, by R. R. Lejeune; V, The mountain pine beetle [Dendroctonus monticolae], by G. R. Hopping; VI, The hemlock looper [Lambdina fuscicollis] problem in British Columbia, by H. A. Richmond and J. M. Kinghorn.
- 53180 PROTECCIÓN de los granos almacenados con "Geigy 33." B. Geigy 3, 7 p. Sept. 1950. 421 B632
DDT preparation
- 53181 QADRI, M. A. H. Some of the important forest pests of the north-western Himalayas during 1950. Pakistan J. Forestry 1:67-73. Jan. 1951. 99.8 P17
- 53182 RAINEY, R. C. Cotton and its pests in South Africa; ratooning as a threat to the revival of cotton-growing in the Union. Union So. Africa. Dept. Agr. Sci. B. 308, 17 p. Ref. 1950. 24 S84S
- 53183 RAO, N. V. S., and POLLARD, A. G. Photodecomposition of rotenone in spray deposits. II. Laboratory technique for producing replicate deposits. J. Sci. Food & Agr. 2:176-180. Ref. Apr. 1951. 382 S012
- 53184 REICH, H. Überblick über den schädlingseffall 1950 und die wirkung der eingesetzten mittel. Obstbauversuchsring. Mitt. 6:6-12. Jan. 1951. 85 J76
- 53185 RENNER, F. Der obstdgarten im winter. II. Gartenbauwirtschaft [Wien] 1951:16. Jan. 25, 1951. 80 G1936
Spraying for insect control.
- 53186 RICKARD, J. A. The control of household insects. Your Farm 10(3):69-72. Mar. 1951. 6 Y8
- 53187 ROBBINS, C. S., SPRINGER, P. F., and WEBSTER, C. G. Effects of five-year DDT application on breeding bird population. J. Wildlife Mangt. 15:213-216. Apr. 1951. 410 J827
- 53188 SANTA MARÍA, H. C., and GARESE, P. Nueva técnica de aplicación de insecticidas clorados. I-II. La Plata. U. Nac. Facul. de Agron. Lab. de Zool. Agr. B. 11: 5-38. Ref. 1949, pub. 1950. 423.92 L31B
I, Incorporación del hexaclorociclohexano a los jugos celulares de las plantas, by H. C. Santa María, p. 6-20; II, Reacción de la planta al hexaclorociclohexano, by P. Garese, p. 21-38.
- 53189 SCHENK, P. J. Winter spraying in the villa garden. (In Dutch.) Vakbl. v. de Bloemisterij 6:76. Mar. 9, 1951. 80 V22
Control of pests on fruit.
- 53190 SCHULZE, K. Grossreinemachen im garten. Deut. Landwirt. 2:46-47. Jan. 1951. 18 D4822
Fruit pest control.
- 53191 SHEPARD, H. H. The chemistry and action of insecticides. New York, McGraw-Hill, 1951. 504 p. Ref. 423 Sh4C
- 53192 SMITH, C. F., and BLACK, C. Research on peach insects 1950. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:92-96. 1950. 81 C91
- 53193 SMITH, C. F., and TURNIPSEED, G. F. Work with apple pests in North Carolina. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:33-49. 1950. 81 C91
- 53194 SMITH, C. S. Pilot versus pest. Farmers Wk. [London] 34(16):59. Apr. 20, 1951. 10 F2226
- 53195 SMITH, E. H. Research on control of insect pests of peaches. N. Y. State Hort. Soc. Proc. 96:141-146. 1951. 81 N484

- 53196 SMITH, M. S. Persistence of DDT and benzene hexachloride in soils. Internatl. Cong. Crop Protect. Abs. Commun. 2:72-73. 1949. 464.9 In832
- 53197 SMITH, R. C. Sweet potato insects in Kansas. Kans. State Hort. Soc. Bien. Rpt. 50:101-110. Ref. 1950. 81 K13
- 53198 STICKEL, L. F. Wood mouse and box turtle populations in an area treated annually with DDT for five years. J. Wildlife Mangt. 15:161-164. Apr.1951. 410 J827
- 53199 STONE, T. T., and GLADSTONE, L. Clinical notes; DDT (dichlorodiphenyltrichloroethane). Amer. Med. Assoc. J. 145:1342. Apr.28,1951. 448.9 Am37
Report of case of poisoning in man.
- 53200 SULLIVAN, W. N. A method of dispersing lindane vapor in air. J. Econ. Ent. 44:125-126. Feb. 1951. 421 J822
- 53201 SYLVÉN, E. Noteworthy pests in Scania 1950. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1950:76-79. Dec.1950. 464.9 Sw3V
- 53202 TAYLOR, H. Toxicity of insecticides to mammals and its evaluation. Internatl. Cong. Crop Protect. Abs. Commun. 2:26-27. 1949. 464.9 In832
- 53203 TEEL, G. P., JR. Pesticide labels and the law. Amer. Fert. & Allied Chem. 114(4):13-15,41. Apr.1951. 57.8 Am3
- 53204 THOMAS, Moderne wege der schädling-bekämpfung bei der getreidelagerung. Deut. Landwirt. 2: 91-93. Feb.1951. 18 D4822
- 53205 THOMPSON, B. T. Wilson's Spred-O-Stik. Trees 11(3):26-27. Mar./Apr.1951. 99.8 W52
Insecticide adjuvant.
- 53206 UNDERHILL, G. W. Apple insects, Virginia. Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:32. 1950. 81 C91
- 53207 VIGUERIE, P. DE. Les traitements avant et après la floraison sur prunier, pommier et poirier. Tarn-et-Garonne Agr. 14:44-46. Mar.1951. 14 T17
For insect and disease control.
- 53208 WAHLIN, B. Parasite attacks on agricultural plants in Östergötland and North Kalmar Province 1950. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1950:71-76. Dec.1950. 464.9 Sw3V
Chiefly pests.
- 53209 WAKASONO, K. Jochugiku no kagaku to oyo [Chemistry and application of pyrethrum]. Tokyo, Asakura-Shoten, 1950. 256 p. 423 W132
- 53210 WEST, T. F. The active principles of pyrethrum flowers. Pyrethrum Post 2(2):16-22. Ref. Jan. 1951. 421 P99
- 53211 WEST, T. F., HARDY, J. E., and FORD, J. H. Chemical control of insects. London, Chapman & Hall, 1951. 211 p. (Frontiers of Sci. Ser.) 423 W524C
- 53212 WHALLON, A. P. Protection without poison; adopt preventive practices in insect control. Org. Gard. 18(4):27-29. Apr.1951. 56.8 Or3
- 53213 WHITE, A. N. Cotton insect pests are becoming busy. Tex. Farming & Citricult. 27(10):6. Apr.1951. 80 T31
- 53214 WHITFIELD, F. G. S. Insecticidal cement paints. New Commonwealth 21:557. Apr.1951. 280.8 C88
- 53215 WIGGLESWORTH, V. B. Insects and human affairs. Essex Farmers' J. 30:25,27-28,31. Mar.1951. 10 Es72
Insects as pests and their control.
- 53216 WOODCOCK, D. The insecticidal action of some halogenated organic compounds. Internatl. Cong. Crop Protect. Abs. Commun. 2:30. 1949. 464.9 In832
- 53217 ZACHER, F. Schädlinge in haus und hof; alphabetische nachschlagwerk der schädling-bekämpfung. Ed. 2. Berlin, Deutscher Bauernverlag, 1950. 99 p. (Schriftenreihe Deutscher Bauernverlag. Bd. 39) 423 Z1S

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- 53218 AARST, J. V. Pollen. (In Dutch.) Maandschr. v. Bijenteelt 53:8-9. (Cont.) Jan.1951. 424.9 V58
- 53219 ALEX, A. H., THOMAS, F. L., and WARNE, B. Importance of bees in vetch seed production. Tex. Livestock J. 10(3):9,59. Mar.15,1951. 49 T29
- 53220 ALVAREZ, A. Espionaje en la colmena. Agr. Costarricense 9:94-96. Feb.1951. 8 Ag895
Robbing.
- 53221 BAGNALL-OAKELEY, H. K. Taking honey from savage bees. Bee Craft 33:47. Mar.1951. 424.8 B3925
Chloroform used to anesthetize bees.
- 53222 BAUCKHAGE, F. Die mehrfelderwirtschaft; eine betrachtung um die wirtschaftliche nutzung. Bienenwarte 4:54-55. (To be cont.) Mar.10,1951. 424.8 B4722
- 53223 BELGIUM. MINISTÈRE DES COLONIES. DIRECTION DE L'AGRICULTURE, DE L'ÉLEVAGE ET DE LA COLONISATION. L'apiculture au Congo Belge et au Ruanda-Urundi; la production du miel et de la cire, par L. Dubois et E. Collart. Bruxelles, 1950. 230 p. 424 B416
- 53224 BERTRAND, E. La conduite du rucher. Ed. 2, rev. and enl. with the collaboration of L. Baudin, O. Morgenthaler, E. Perret, and A. Valet. Lausanne, Payot, 1951? 296 p. 424 B462
- 53225 BERTRAM, T. Warum leistungszucht. Bienenwarte 4:55. (To be cont.) Mar.10,1951. 424.8 B4722
- 53226 BEUTLER, R. Bienenforschungen aus dem Zoologischen Institut München III. Imkerfreund 6:34-38. Ref. (Concl.) Feb.1951. 424.8 Im43
- 53227 BLOOM, J. R. Some problems in bee keeping in Israel. (In Hebrew.) Hassadeh 31:350-351. Apr.1951. 26 H27
- 53228 BOARD, E., and GRACINI-KHEN, H. Are earthen beehives efficient. (In Hebrew.) Hassadeh 31:294. Mar.1951. 26 H27
- 53229 BÜDEL, A. Die bienenphysik bringt bewiese. Imkerfreund 6:50-51,87-89. Feb.-Mar.1951. 424.8 Im43
Hive temperature and humidity; winter protection and sugar needs.
- 53230 BÜDEL, A. Der erst bruteinschlag und das kleinklima der bienenwohnung. Deut. Bienenztg. 6:17-19. Feb.1,1951. 424.8 D488
Temperature and humidity.
- 53231 BÜDEL, A. Vorgänge beim eindicken des honigs. Südwestdeut. Imker 3:60-62. Mar.1951. 424.8 Su25
- 53232 BUZZARD, C. N. Bribing bees. Country Life [London] 109:199-200. Jan.19,1951. 80 C83
- 53233 CALE, G. H. Up-to-date disease control. Amer. Bee J. 91:190. May 1951. 424.8 Am3
- 53234 COATES, D. R. P. The British commercial hive. Bee Craft 33:49. Mar.1951. 424.8 B3925
- 53235 DEKEYSER, J. Hygiene in beehives. (In Flemish.) Tuinbouwberichten 15:9. Jan.15,1951. 80 T817
- 53236 DEMARTY, P. Au rucher. Tarn-et-Garonne Agr. 14:46. (Cont.) Mar.1951. 14 T17
- 53237 DIEMER, G. Nosema, ventilation, and queen losses. Bees 4:125,131. Dec.1950. 424.8 So83
- 53238 DYCE, E. J. Wood preservatives and their application. Amer. Bee J. 91:192-193. May 1951. 424.8 Am3
Apiculture equipment.
- 53239 ECKERT, J. E. The development of resistance to A F B in Hawaii. Amer. Bee J. 91:200-201. May 1951. 424.8 Am3
- 53240 FELSING, E. Gedanken um die zucht. II. Bienenwarte 4:57-58. Mar.10,1951. 424.8 B4722
- 53241 FLEISCHER, K. Dzierzon und wir. Bienenwarte 4:30-31. Feb.10,1951. 424.8 B4722
- 53242 FURNISS, H. Piping in an observation hive. Good Bee-Keeping 6:35-37. Mar.1951. 424.8 G59
Sound made by queen bee.
- 53243 GADGE, S. W. Wax carrying bees. Good Bee-Keeping 6:45. Mar.1951. 424.8 G59
- 53244 GEIGER, J. E. Outside colonies wintered well. West. Canada Beekeeper 14(5):7. May 1951. 424.8 W525
- 53245 GEORGES, J. Emploi de la propolis. Cour. Apic. Franç. 3:91-92. Nov./Dec.1950. 424.8 C832
- 53246 GILLARD, A. L'abeille au service de la pollinisation naturelle et artificielle des vergers. Annu. Agr. et Hort. (1949/50)2:60-65. 1950. 13 An7
- 53247 GONTARSKI, H. Höselhefe; erfahrungen aus der praxis. Südwestdeut. Imker 3:58-59. (Concl.) Mar. 1951. 424.8 Su25
- 53248 GOODERHAM, C. B. Les abeilles en paquets. Abeille et l'Erable (ser.2)20:43-44,48. (To be cont.) Mar.1951. 424.8 Ab32
- 53249 GOODERHAM, C. B. Le soin des abeilles au printemps. Abeille et l'Erable (ser.2)20:42-43. Mar. 1951. 424.8 Ab32
- 53250 GRAF, E. Bientod durch rapsbespritzung. Schweiz. Bienen-Ztg. 74:66-67. Feb.1951. 424.8 Sch9
- 53251 GRIMMOND, D. When bees poured down like rain. Scot. Beekeeper 27:37. Mar.1951. 424.8 Sco8
Anecdotes from Ireland.
- 53252 GUILLAUME, A. Nouveaux essais de traitements antiparasitaires de cultures de Crucifères à l'aide d'insecticides sélectifs ne détruisant pas les abeilles. Acad. d'Agr. de France. Compt. Rend. 37:114-116. Jan.24/31,1951. 14 P215Bc

- 53253 GÜLSAHIN, H. Operation of the bee's sting. (In Turkish.) Arıcılık Dergisi 7:60-61. Mar.1951. 424.8 Ar4
English summary.
- 53254 HANLAN, R. M. Alberta beekeeping history. West. Canada Beekeeper 14(5):2. May 1951. 424.8 W525
- 53255 HARPER, K. The average apiary to-day. Good Bee-Keeping 6:40-41. Mar.1951. 424.8 G59
- 53256 HAYNIE, J. D. Italian bees most popular. Fla. Grower 59(5):21. May 1951. 80 F6622
- 53257 HEIDERMAN, K. Heidebienen und kastenbetrieb? Niedersächs. Bienenfr. 1951:35-36. Feb.1951. 424.8 N552
- 53258 HENNES'CHEN, E. Winterhagen, die biologisch fest fundierte betriebsweise. Deut. Bienenztg. 6:27-29. Feb.1,1951. 424.8 D488
- 53259 HERKLOTZ, A. Verwendung und anfertigung von honigzuckerteig in der imkerei. Imkerfreund 6:57-58. Feb.1951. 424.8 Im43
- 53260 HEROLD, E. Das wandernde bienenhaus. Imkerfreund 6:80-86. Mar.1951. 424.8 Im43
Germany.
- 53261 HEROLD, K. Über die vergiftungsschäden in Bayern seit mai 1950. Imkerfreund 6:90-92. Mar.1951. 424.8 Im43
- 53262 HÖTTE, Stäubungssünder wurden verurteilt. Niedersächs. Bienenfr. 1951:23-25. Feb.1951. 424.8 N552
- 53263 HUBER, T. Industrie - handel - wirtschaft. Bienenwarte 4:42-43. Feb.25,1951. 424.8 B4722
- 53264 HUNKELER, M. 43. jahresbericht über die faulbrutversicherung des VDSB [Verein Deutsch-Schweizerischer Bienenfreunde] pro 1950. Schweiz. Bienen-Ztg. 74:98-101. Mar.1951. 424.8 Sch9
- 53265 ILTON, C. D. American foul brood. Victoria. Dept. Agr. J. 49:76-77. Feb.1951. 23 V66J
- 53266 JARETZKY, W. Ein einfacher und billiger wabenlöter. Deut. Bienenztg. 6:29-30. Feb.1,1951. 424.8 D488
- 53267 JOUSTRA, J. A. Het kleine bijenboek, beknopte behandelings voor beginnende imkers [The little bee book, brief handbook for beginning beekeepers]. Goes, De Phoenix, 1950? 80 p. 424 J82
- 53268 KALTHOFF, C. The food chamber hive. Gleanings Bee Cult. 79:265-269. May 1951. 424.8 G47
- 53269 KAVEN, G. Fruchthragende obstbäume; bienenhaltung ist wertvolle hilfe. Bienenwarte 4:58-59. Mar.10, 1951. 424.8 B4722
- 53270 KELLEY, W. T. La reina. Agr. Austral 19:77. Feb.1951. 9.3 Ag842
In apiculture.
- 53271 KHALIFMAN, I. Pchëly; kniga o biologii pchelinoi sem'i i pobedakh nauki o pchelakh [Honeybees; book on the biology of the bee colony and scientific achievements in beekeeping]. Moskva, "Molodaf Gvardiya", 1950. 349 p. 424 K522
- 53272 KNAPP, O. Die "beste beute". Deut. Bienenztg. 6:22-23. Feb.1,1951. 424.8 D488
- 53273 KÖPPEN, E. Bis zu 6 königinnen in einem bienenvolk? Imkerfreund 6:39-42,47. Feb.1951. 424.8 Im43
- 53274 KÜHNER, Der bienenzucker in der wirtschaftspolitik. Südwestdeut. Imker 3:64-65. Mar.1951. 424.8 Su25
- 53275 LACOUR, L. Le gratte-ciel populaire en divisibles "boîtes d'allumettes." Cour. Apic. Franç. 3:88-90. (Cont.) Nov./Dec.1950. 424.8 C832
- 53276 LECOMTE, J. Les facteurs de l'agressivité chez l'abeille. Acad. des Sci. Compt. Rend. 232:1376-1378. Apr.2,1951. 505 P21
- 53277 LEVIN, M. D., and HAYDAK, M. H. Seasonal variation in weight and ovarian development in the worker honeybee. J. Econ. Ent. 44:54-57. Ref. Feb. 1951. 421 J822
- 53278 LUCORE, F. O. The small operator in legume pollination. Amer. Bee J. 91:194-195. May 1951. 424.8 Am3
- 53279 LYNCH, C. Travelling Australian beekeepers supply world honey markets. Scot. Beekeeper 27:38. Mar.1951. 424.8 Sco8
- 53280 MACKENSEN, O. Self fertilization in the honey bee. Gleanings Bee Cult. 79:273-275. May 1951. 424.8 G47
- 53281 MACWHIRTER, G. T. Better bees. Bee Craft 33:54. Mar.1951. 424.8 B3925
Queen rearing.
- 53282 MACY, J. A. Shall we have voluntary grade standards and inspection of bees for pollinization? Oreg. State Hort. Soc. Proc. 65:37-38. 1950. 81 Or32
- 53283 MAIBACH, E. Die sauerbrut; ein beitrage zu ihrer beobachtung und bekämpfung. Schweiz. Bienen-Ztg. 74:101-106. Mar.1951. 424.8 Sch9
- 53284 MALAGÓLA, G. Come rendere produttiva l'apicoltura; trattato teorico-pratico per la coltivazione intensiva dell'ape e l'impianto di un apiario razionale [How to make apiculture profitable; theoretical and practical treatise on the intensive raising of bees, and establishment of a suitable apiary]. Ed. 3, rev. Milano, Hoepli, 1950. 423 p. 424 M29C
- 53285 MASSHARDT, H. Zum schutze der bienen bei der bespritzung der maikäfer [Melolontha melolontha]. Schweiz. Bienen-Ztg. 74:121-123. Mar.1951. 424.8 Sch9
- 53286 MAURIZIO, A. Prüfung von pollenersatzmitteln. Schweiz. Bienen-Ztg. 74:111-118. Mar.1951. 424.8 Sch9
- 53287 MENKE, H. F. America's sixth annual pollination conference. Scot. Beekeeper 27:43. Mar.1951. 424.8 Sco8
- 53288 MENTZER, J. Erfahrungen bei der bekämpfung der milbenseuche. Südwestdeut. Imker 3:56. Mar.1951. 424.8 Su25
- 53289 MOFFIT, G. M. Increase production with two queens. Amer. Bee J. 91:199. May 1951. 424.8 Am3
- 53290 MÜLLER, E. Der Carnica-imker, ein bienenbuch für anfänger und praktiker. Ed. 2 of Kleinen bienenbuches für anfänger und praktiker. Stuttgart, Ulmer, 1950. 127 p. 424 M912
- 53291 MUTTOO, R. N. For the beginners: essentials of success in bee-keeping. Indian Bee J. 13:15-16. Jan./Feb.1951. 424.8 In2
- 53292 MUTTOO, R. N. Some of my failures in bee-keeping. Indian Bee J. 13:12-14. Jan./Feb.1951. 424.8 In2
- 53293 NERIAH, A. B. The adaptability of the Italian honeybee to Israel. (In Hebrew.) Hassadeh 31:293-294. Mar.1951. 26 H27
- 53294 OSTERHOLZER, Der grösste bienenzuchtbetrieb Deutschlands Illertissen. Imkerfreund 6:70-73. Mar.1951. 424.8 Im43
- 53295 OSTERHOLZER, Wegweisung. Bienenwanderung (Markstein III). Imkerfreund 6:49. (Concl.) Feb. 1951. 424.8 Im43
- 53296 OWENS, C. D. Amperes for the apiary; electrical aids for the beekeeper. Elect. Farm 24(5):10,12,29. May 1951. 335.8 EL27
- 53297 PASCHKE, M. Was ist eine Paschke-beute? Imkerfreund 6:94-97. Mar.1951. 424.8 Im43
- 53298 PESCIO, M. Cuando y como debe extraerse la miel. Chacra 21(245):38-39. Apr.1951. 9 C34
- 53299 PINAR, V. Apiculture in Turkey. (In Turkish.) Arıcılık Dergisi 7:37-39. Mar.1951. 424.8 Ar4
English summary.
- 53300 POTETZKI, G. Nochmals der dreispitz - das unentbehrliche hilfsmittel. Bienenwarte 4:29-30. Feb.10, 1951. 424.8 B4722
- 53301 PUGNO, G. Apiculture and honey plants in Monferrato. (In Italian.) Apic. Mod. 42:49-51. Feb.1951. 424.8 Ap39
- 53302 PURSEY, M. Know your bees. XIII. Bee Craft 13:48. Mar.1951. 424.8 B3925
Digestive system; food.
Also in Good Bee-Keeping 6:38-39. Mar.1951. 424.8 G59
- 53303 RAHMLow, H. J. Fruit pollination. Amer. Bee J. 91:198-199. May 1951. 424.8 Am3
- 53304 RAUTENBERG, Ich baue mir ein bienenhaus. Imkerfreund 6:76-80. (To be cont.) Mar.1951. 424.8 Im43
- 53305 RAUTENBERG, H. J. Zur frage der magazinbeuten. Deut. Bienenztg. 6:23-26. Feb.1,1951. 424.8 D488
- 53306 RAWAT, B. S. Ranihet bees. Indian Bee J. 13:9. Jan./Feb.1951. 424.8 In2
- 53307 RENTROP, E. Der besoldete bienenwart; die ertragslage der deutschen imkerei in ihrer volkswirtschaftlichen bedeutung. Bienenwarte 4:39-41. Feb.25, 1951. 424.8 B4722
- 53308 ROBERTS, D. Combating hive moisture. New Zeal. J. Agr. 82:33-34. Jan.15,1951. 23 N48J
Includes control of ventilation.
- 53309 ROCK, H. J. Is there a swarming problem? Gleanings Bee Cult. 79:278-279. May 1951. 424.8 G47
- 53310 ROLDAN R., S. Transporte de colmenas. Charla Rur. 148:14-15,54. Feb.1951. 9 C37
- 53311 ROTHHAAS, A. Isolierte begattungs-schutzkisten. Südwestdeut. Imker 3:63. Mar.1951. 424.8 Su25
- 53312 ROVIRA-CASES, J. Perfectionnements apportés aux rayons pour ruches. Gaz. Apic. 52:18-20, 12. Jan.1951. 424.8 G25

53313 SCHAEFER, H. A. For honey production—a young queen in each hive. *Gleanings Bee Cult.* 79:270-272. May 1951. 424.8 G47

53314 SCHNEIDER, H., and WITSCHI, F. Die wald-trachtkrankheit. *Schweiz. Bienen-Ztg.* 74:106-110. Mar. 1951. 424.8 Sch9

53315 SCHOTMAN, J. W. Letters from the apiary. IV. (In Dutch.) *Maandschr. v. Bijenteelt* 53:6-7. Jan. 1951. 424.9 V58
Beehives and equipment.

53316 SCHWEIZERISCHES BAUERNSEKRETARIAT. ABTEILUNG FÜR RENTABILITÄTSErHEBUNGEN. Die rentabilität der bienenhaltung in den jahren 1948 und 1949. 37./38. bericht der Abteilung für Rentabilitätserhebungen des Schweizerischen Bauernsekretariates in Brugg, oktober 1950. *Schweiz. Bienen-Ztg.* 74:57-63. Feb. 1951. 424.8 Sch9

Nachtrag zu den ausführungen des Schweizerischen Bauernsekretariates, von W. Mäder, p.63.

53317 SECHRIST, E. L. Jeremiah 'supers for pollen'; would you prefer playing "pat-a-cake", with your bees because they lack natural pollen to letting some of your colonies arrange the stores for the entire apiary? *Bees* 4:124-125. Dec. 1950. 424.8 So83

53318 SEN, I. The behaviour of bees—a study. *Indian Bee J.* 13:4-6. Jan./Feb. 1951. 424.8 In2
Apis indica and *A. mellifera*.

53319 SEYFANG, W. Stockheizung ohne strom. *Imkerfreund* 6:51-56. Feb. 1951. 424.8 Im43

53320 SIMONNET, P. H. Voulez-vous construire un rucher-pavillon? *Gaz. Apic.* 52:9-10. Jan. 1951. 424.8 G25

53321 SMITH, R. W. The bee-keeper's equipment. *Good Bee-Keeping* 6:42-43. (To be cont.) Mar. 1951. 424.8 G59

53322 SPIELMANN, O. 66. jahresbericht über die apistischen beobachtungsstationen pro 1950. *Schweiz. Bienen-Ztg.* 74:37-49. Feb. 1951. 424.8 Sch9

53323 SPITZNER, W. Züchtungsfragen: erkenntnisse und erfahrungen. *Bienenwarte* 4:56-57. Mar. 10, 1951. 424.8 B4722

53324 STEHLE, Milbenseuche—brutableger oder schwefelschnitte? *Südwestdeut. Imker* 3:54-56. Mar. 1951. 424.8 Su25

53325 SUMPF, K. C. Der weg voraus—beziehungen zwischen wabenbau, wärmehaushalt und bienenwohnung. V-VI. *Bienenwarte* 4:26-27, 38-39. Feb. 10-25, 1951. 424.8 B4722

53326 TUNAER, S. Bee races in Turkey. (In Turkish.) *Arıcılık Dergisi* 7:53-56. Mar. 1951. 424.8 Ar4
English summary.

53327 VANSSELL, G. H. Honey bee activity on Ladino clover florets. *J. Econ. Ent.* 44:103. Feb. 1951. 421 J822

53328 VISWANATHAN, H. A brief report on the possibilities of developing beekeeping in and around Mt. Abu. *Indian Bee J.* 13:7-8. Jan./Feb. 1951. 424.8 In2

53329 VOMSATTEL, M. Schwarmisorgen. *Schweiz. Bienen-Ztg.* 74:50-52. Feb. 1951. 424.8 Sch9

53330 VOMSATTEL, M. Warum schlechtere honigernten? *Schweiz. Bienen-Ztg.* 74:55-57. Feb. 1951. 424.8 Sch9

53331 WALTER, H. Der farbige bienenvolkmarklerer "vorbau". *D.R.P. Imkerfreund* 6:75-76. Mar. 1951. 424.8 Im43

53332 WALTHER, G. Haftung bei der verwendung von kontaktgiften. *Imkerfreund* 6:74-76. Mar. 1951. 424.8 Im43

53333 WEIGERT, J. Monatskalender für den bienenzüchter. Leipzig, Hachmeister & Thal, 1950. 40 p. (Lehrmeister-Bücherei Nr. 178) 424 W422

53334 WOODMAN, B. Keep the American way. *Bee-keepers' Mag.* 14(4):7-8. Apr. 1951. 424.8 M58

Accomplishments of American Beekeeping Federation; honey price support; etc.

53335 WRIGHT, P. H. Bees for pollination on the prairies. 2. *West. Canada Beekeeper* 14(5):4-5. May 1951. 424.8 W525

53336 WULFRATH, A., and SPECK, J. J. De la colmena antigua al lucrativo negocio de la colmena moderna. *Tierra [México]* 6:151-153, 182-183. Mar. 1951. 8 T445

53337 WÜST, H. Pollenmangel. *Schweiz. Bienen-Ztg.* 74:53-54. Feb. 1951. 424.8 Sch9

53338 ZANDER, E. Können die bienen auch zweckwidrig handeln? *Südwestdeut. Imker* 3:66. Mar. 1951. 424.8 Su25

53339 ZANDER, E. D. H. Immen und imkerrei; ein wegweiser zu den quellen zeitgemässer bienenpflege und bienenzucht. Ed. 2. Stuttgart, Ulmer, 1950. 98 p. 424 Z11

53340 ZOGG, H. Der imkerlandwirt und die bienenweide. *Schweiz. Bienen-Ztg.* 74:119-121. Mar. 1951. 424.8 Sch9

ARACHNIDA, MYRIAPODA, ETC.

53341 ANDRÉ, M. Quelques mots sur les Enemethrombium de Berlese (Acaricariens). *Paris. Mus. Natl. d'Hist. Nat. B.* (ser. 2) 22:453-455. June 1950. 410.9 P213

53342 AUDY, J. R., and HARRISON, J. L. A review of investigations on mite typhus in Burma and Malaya, 1945-1950. *Roy. Soc. Trop. Med. & Hyg. Trans.* 44:371-404. Ref. Feb. 1951. 448.9 R813

Includes discussion.

Vectors are *Trombicula akamushi* and *T. deliensis*.

53343 BLAUVELT, W. E. Spider mites [*Tetranychus bimaculatus*] and their control. *Amer. Rose Annu.* 36:149-162. 1951. 81 Am31A

53344 BORUTSKII, E. V. Terrestrial Isopoda of caves in Caucasus and Crimea. I. fam. Ligidae (4th communication on terrestrial Isopoda of U.S.S.R.). (In Russian.) *Moskov. Obshch. Isp. Prirody. B. Otd. Biol.* 55(5):69-81. Ref. 1950. 511 M85

Includes new species in *Tauroligidium* n.g., *Caucasolidium* n.g., and *Ligidium* n.g.

53345 BRUGNONI, H. C. Ensayos con nuevos acaricidas. *La Plata. U. Nac. Facul. de Agron. Lab. de Zool. Agr. B.* 11:49-58. Ref. 1949, pub. 1950. 423.92 L31B

53346 BUZZARD, C. N. The mind of a spider. *Country Life [London]* 109:638, 641. Mar. 2, 1951. 80 C83

53347 CHAPMAN, P. J., and LIENK, S. E. Notes on orchard mites. *N. Y. State Hort. Soc. Proc.* 96:152-157. 1951. 81 N484

Paratetranychus pilosus, *Tetranychus bimaculatus*, *Septanychus canadensis*, and *Bryobia praetiosa*.

53348 CLOUDSLEY-THOMPSON, J. L. Notes on Arachnida, 18. The behaviour of a scorpion [*Euscorpion italicus italicus*]. *Ent. Mon. Mag.* 87:105. Apr. 1951. 421 En86

53349 DEAN, R. W. Control of orchard mites

[*Paratetranychus pilosus*] with a concentrate spray. *N. Y. State Hort. Soc. Proc.* 96:89-95. 1951. 81 N484

53350 EATON, J. K. A review of recent research on synthetic acaricides. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:93-95. 1949. 464.9 In832

53351 FIGUEIREDO JR., E. R. DE. The red spider of the apple tree [*Bryobia praetiosa*]. (In Portuguese.) *Biológico* 16:228-230. Dec. 1950. 442.8 B529

53352 GENTNER, L. G. Spider mite control in Rogue River Valley pear orchards. *Oreg. State Hort. Soc. Proc.* 65:26-29. 1950. 81 Or32

Chiefly *Tetranychus bimaculatus* and *T. willamettei*.

53353 GRANETT, P., and FRENCH, C. F. Further tests of dibutyl adipate as a tick repellent. *J. Econ. Ent.* 44:93-97. Feb. 1951. 421 J822

Tests with *Dermacentor variabilis*.

53354 HACKMAN, W. The male of *Argenna promimula* Tullgren. *Ent. Tidskr.* 71:165-167. 1950. 421 En891

53355 HOFFMANN, A. Contribuciones al conocimiento de los trombiculidos mexicanos. 3. *Ciencia* 11(1/2):29-36. Ref. 1951. 475 C48
English summary.

Includes new species in *Acomatacarus* and *Whartonia*.

53356 HOMANN, H. Eine spinne als glazialrelikt. *Naturwissenschaften* 38:101-102. Feb. 15, 1951. 474 N213
Acantholycosa.

53357 JEEKEL, C. A. W. Note on *Spirobolus surinamensis* Bollman. *Ent. Ber.* 13:174. Nov. 1, 1950. 420 N38B

53358 KLOSTERMEYER, E. C. Control of mites [*Tetranychus bimaculatus*, *T. atlanticus*, and *Septanychus* sp.] on alfalfa and clover seed crops. *J. Econ. Ent.* 44:126-127. Feb. 1951. 421 J822

53359 MCALPIN, D. M. *Bryobia* mite on apples and pears. *Victoria. Dept. Agr. J.* 49:80. Feb. 1951. 23 V66J

53360 MCGREGOR, E. A. Nearctic mites of the family Pseudoleptidae. *South. Calif. Acad. Sci. Mem.* 3(2):45 p. 1949. 434 M17

Includes new species in *Tenuipalpus*, *Brevipalpus*, and *Pentamerismus* n.g.

53361 MARIKOVSKIĬ, P. I. On some biological peculiarities of the poisonous spider 'karakurta' [*Latrodectus tredecimguttatus*] at the northern limits of its range. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:123-125. Jan. 1, 1951. 511 P444A

53362 MARNEFFE, R. DE, and DELHAYE, R. Une microchambre d'isolement. *Parasitica* 6:21-22. 1950. 464.8 P21

For observations on *Tetranychus telarius*.

53363 MONLUX, W. S. *Pneumonyssus caninum*, a mite new to Texas. *Sowest. Vet.* 4(2):10,15. Jan.1951. 41.8 So82

53364 MORRISON, H. E. What to use for symphyliid control: when, how, and what results to expect. *Oreg. State Hort. Soc. Proc.* 65:80-83. 1950. 81 Or32
Soil fumigation for control of Symphyla.

53365 NAJERA, L., and MAYER, H. Observaciones sobre morfología del *Psoroptes equi* v. *cuniculi* (Dela-font, 1859). *Rev. Ibérica de Parasitol.* 10:357-362. July 1950. 436.8 R32

53366 NEW SOUTH WALES DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. The red spider (*Tetranychus urticae*). *Agr. Gaz. N. S. Wales* 62:95-96. Feb.1, 1951. 23 N472

53367 RADFORD, C. D. A revision of the fur mites *Myobiidae* (Acarina). *Paris. Mus. Natl. d'Hist. Nat. B.* (ser.2)22:462-469. (Cont.) June 1950. 410.9 P213
Radfordia spp.

53368 RAO, G. N. Occurrence of certain minor pests on sugarcane at Coimbatore. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.3):7-11. 1951. 65.9 C766
Schizotetranychus andropogoni and *Targionia glomerata*.

53369 RIEDL, L. Affections in man caused by the larva *Leptus autumnalis*. (In Czech.) *Casopis Českoslov. Vet.* 5:568-569. Dec.10,1950. 41.8 C27
Larva of *Trombidium holosericeum*.

53370 ROEWER, C. F. *Opiliones* und *Solifuga* aus Belgisch Congo. *Rev. de Zool. et de Bot. Africaines* 44:30-55. Dec.30,1950. 410 R326

Includes new species in *Conomma*, *Erecanana*, *Ealabius* n.g., *Bwitonatus* n.g., *Sesostanus*, *Erecella*, *Eregonda* n.g., *Erecongona* n.g., *Ereala* n.g., *Faradjea* n.g., *Procoryphus* n.g., *Abanatus* n.g., *Solpugeira*, and *Solpuga*.
53371 STEARNS, L. A., and DAVIS, J. G. Results of mite-control treatments, Delaware, 1950. *Cumberland-Shenandoah Fruit Workers' Conf. [Proc.]* 26:51. 1950. 81 C91

53372 STUBBINGS, W. A. K. Studies in verband met die ekologie en bestryding van die peerknopmyt (*Eriophyes piri*, Pag.) [Studies in connection with the ecology and control of the pear bud mite (*Eriophyes pyri*, Pag.)]. *Union So. Africa. Dept. van Landb. Wetensk. Pam.* 270, 97 p. Ref. 1950. 24 So84Sd

53373 SWEETMAN, H. L., and others. Mange [due to *Sarcoptes scabiei* suis] and fly [chiefly *Musca domestica*] control with lindane in a piggery. *J. Econ. Ent.* 44:112. Feb.1951. 421 J822

L. F. Wells, Jr., A. H. Toczydlowski, and S. Moore III, joint authors.

53374 THOMPSON, W. L., and GRIFFITHS, J. T. JR. Suggestions for the conservation of sulfur in rust mite [*Phyllocoptura oleivora*] control. *Citrus Mag.* 13(9):23-27. May 1951. 80 C498

53375 TRÄGÄRDH, I. Studies on the *Celaenopsidae*, *Diplogyniidae* and *Schizogyniidae* [n. fam.] (Acarina). *Arkiv f. Zool. (n.s.)* 1:361-451. 1951. 410.9 Sv22

Includes new species in *Cryptometasternum* n.g., *Meinertula* n.g., *Megachaetochela* n.g., *Brachysternum* n.g., *Microdiplogynium* n.g., *Ceratocelaenopsis* n.g., *Diplogyniella* n.g., *Lobogynium* n.g., *Neodiplogynium* n.g., *Lobogynioides* n.g., *Tridiplogynium* n.g., *Heterodiplogynium* n.g., *Trichodiplogynium* n.g., *Schizodiplogynium* n.g., *Diplogyniopsis* n.g., and *Schizogynium* n.g.; Also *Meinertulinae*, *Neodiplogyniinae*, *Heterodiplogyniinae*, and *Trichodiplogyniinae*, new subfamilies of *Diplogyniidae*.

53376 TUNBLAD, B. A new (?) pest in greenhouses. (In Swedish.) *Sweden. Stat. Växtskyddsanst. Växtskyddsnot.* 1950:65-68. Dec.1950. 464.9 Sw3V
Hemitarsonemus latus.

53377 TURK, F. A. A note on *Klinckowstroemiella prima*. A new genus and species of the *Acar.* *Ann. & Mag. Nat. Hist.* (ser.12)4:409-410. Apr.1951. 410 An77

53378 VACHON, M. A propos d'un nouveau scorpion de Mauritanie: *Compsobuthus berlandi* n.sp. *Paris. Mus. Natl. d'Hist. Nat. B.* (ser.2)22:456-461. June 1950. 410.9 P213

53379 VACHON, M. Scorpions, pseudoscorpions et solifuges. *Inst. Franç. d'Afrique Noire. Mém.* 10:93-107. 1950. 515 D14M

Includes new species in *Rhacochelifer*, *Daesia*, *Gluiopsis*, and *Oparbella*.

53380 THE WHEAT mite strikes; smaller than a louse and twice as hungry, the bug is now gorging itself on the nation's winter grain. *Life* 30(21):57-58. May 21, 1951. 280.8 L62
Petrobia latens.

53381 ZEMSKAYA, A. A. Biology and development of chicken mite, *Dermanyssus gallinae* in connection with its epidemiological importance. (In Russian.) *Zool. Zhur.* 30:51-62. Ref. Jan./Feb.1951. 410 R92

COLEOPTERA

53382 ADAMS, J. A. Tests with dieldrin for control of Japanese beetle [*Popillia japonica*] larvae in turf. *J. Econ. Ent.* 44:127-128. Feb.1951. 421 J822

53383 AHLBERG, O. The Colorado beetle found in the port of Gothenburg. (In Swedish.) *Sweden Stat. Växtskyddsanst. Växtskyddsnot.* 1950:55-57. Oct.1950. 464.9 Sw3V

53384 ALLEN, A. A. The Coleoptera of a suburban garden. 1, Adephega. *Ent. Rec. & J. Variation* 63:61-65. (To be cont.) Mar./Apr.1951. 421 En89
Carabidae and *Dytiscidae*; near London.

53385 ALLEN, A. A. *Lathridius bifasciatus* Reitt. (Col. Lathridiidae) an Australian beetle found wild in Britain. *Ent. Mon. Mag.* 87:114-115. Apr.1951. 421 En86

53386 ALLEN, A. A. New records of rare *Ipinae* (Col., *Scolytidae*) in Hants. and Berks. *Ent. Mon. Mag.* 87:115. Apr.1951. 421 En86

53387 ALLEN, A. A. Notes on colour-variation in *Agrilus viridis* L. (Col., *Buprestidae*). *Ent. Mon. Mag.* 87:29-30. Jan.1951. 421 En86

53388 ASQUITH, D. Concentrate and dilute sprays to control plum curculio [*Conotrachelus nenuphar*] on peach. *Cumberland-Shenandoah Fruit Workers' Conf. [Proc.]* 26:91. 1950. 81 C91

53389 BALFOUR-BROWNE, J. Proposal that the generic name "Rantus" Dejean, 1833 (class *Insecta*, order *Coleoptera*) should be emended to "Rhantus" under Article 19 and that the type species of this genus should be determined under the procedure laid down for dealing with genera based upon misidentified type species. *B. Zool. Nomencl.* 2:40-45. Apr.20,1951. 410 B874

53390 BASILEWSKY, P. *Coléoptères Carabidae*. *Inst. Franç. d'Afrique Noire. Mém.* 10:230-260. 1950. 515 D14M

53391 BASILEWSKY, P. Un *Cossyphodes* nouveau du Kivu (Col. *Cossyphodidae*). *Rev. de Zool. et de Bot. Africaines* 44:59-60. Dec.30,1950. 410 R326

53392 BASILEWSKY, P. Description d'un prionien nouveau du Congo Belge (Col. *Cerambycidae*). *Rev. de Zool. et de Bot. Africaines* 44:56-58. Dec.30,1950. 410 R326

New species in *Stolidodere*.

53393 BASILEWSKY, P. Le genre *Dendragonum* Burgeon (Col. *Carabidae*). *Rev. de Zool. et de Bot. Africaines* 44:19-24. Dec.30,1950. 410 R326

53394 BASILEWSKY, P. Révision des *Anchomeninae* (Coleoptera *Carabidae*) de l'Afrique du Sud. *Arkiv f. Zool. (n.s.)* 1:275-299. 1950. 410.9 Sv22

Includes new species in *Matagonum* and *Neomegalonychus*; also *Pseudomegalonychus* n.g.

53395 BECHYNE, J. Les *Chrysomelidae* vrais du Congo Belge (Col. *Phytophaga*). *Rev. de Zool. et de Bot. Africaines* 44:119-131. Dec.30,1950. 410 R326

Includes new species and forms in *Monardita*, *Chrysolina*, and *Ceralces*; also *Taeniochrysea* and *Ghesquiereita*, new subgenera in *Chrysolina*.

53396 BERTRAND, H. Larves de *Coléoptères aquatiques* (*Dystiscidae*). *Inst. Franç. d'Afrique Noire. Mém.* 10:264-265. 1950. 515 D14M

53397 BILIOTTI, E., and VENTURA, E. Effets de traitements aux insecticides organiques de synthèse sur certaines populations de prédateurs auxiliaires: les *Coccinellides*. *Acad. d'Agr. de France. Compt. Rend.* 36:725-728. Dec.13/20,1950. 14 P215Bc

53398 BILIOTTI, E. Incidences de traitements aériens contre les hannetons [*Melolontha melolontha*] sur la faune entomologique. *Acad. d'Agr. de France. Compt. Rend.* 36:722-725. Ref. Dec.13/20,1950. 14 P215Bc

53399 BONNEMAISON, L. La lutte chimique contre les *Elateridae*. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:69-70. 1949. 464.9 In832

53400 BRADLEY, J. C. Proposed use of the plenary powers to validate the generic names "Rhina" Latreille, (1802-1803), and "Magdalis" Germar, 1817, for use respectively in the accustomed sense (class *Insecta*, order *Coleoptera*). *B. Zool. Nomencl.* 2:47-55. Apr.20, 1951. 410 B874

- 53401 BRENY, R. L'action des ennemis naturels indigènes sur le doryphore [*Leptinotarsa decemlineata*] en Europe. *Parasitica* 6:23-36. Ref. 1950. 464.8 P21 English summary.
- 53402 BRÉUNING, S. Quelques nouveaux Lamiaires (Coleoptera, Cerambycidae) du Riksmuseum. *Arkiv f. Zool. (n.s.)* 1:265-274. 1950. 410.9 Sv22
New species and forms in *Paravellada*, *Demodes*, *Euseboides*, *Egesina*, *Etaxalus*, *Bisaltus*, *Sybra*, *Mimasynogenes* n.g., *Sophronica*, *Cleptometopus*, *Serixia*, *Glenea*, *Nupserha*, *Blepisanis*, *Obereopsis*, *Oberea*, and *Astathes*.
- 53403 BRYANT, G. E. Coléoptères Chrysomelidae; liste des espèces. *Inst. Franç. d'Afrique Noire. Mém.* 10:202. 1950. 515 D14M
- 53404 CAMERON, M. Coléoptères Staphylinidae. *Inst. Franç. d'Afrique Noire. Mém.* 10:212-215. 1950. 515 D14M
Includes new species in *Trogophloeus*, *Bledius*, *Lathrobium*, and *Philonthus*.
- 53405 COUTURIER, A. Biologie d'un Hexameris, (*Nematodes Mermithidae*), parasite des insectes défoliateurs de l'osier. *France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Epiphyt.* 1:13-37. Ref. Jan./Feb. 1950. 464.9 F84An
Melasoma populi, *Phyllodecta vitellinae*, and *Plagiodera versicolor*.
- 53406 COUTURIER, A., and ROBERT, P. Remarques à propos d'un vol très localisé du hanneton commun (*Melolontha melolontha* L.) observé aux environs de Colmar en 1950. *Acad. d'Agr. de France. Compt. Rend.* 37:165-166. Feb. 21/28, 1951. 14 P215Bc
- 53407 COUTURIER, A., and HURPIN, B. Résultats principaux des observations relatives au hanneton commun (*Melolontha melolontha* L.) dans la région de Danne-marie en 1950. *Acad. d'Agr. de France. Compt. Rend.* 37:161-165. Feb. 21/28, 1951. 14 P215Bc
- 53408 COWING, J. A. The Japanese beetle [*Popillia japonica*] can be controlled. *Trees* 11(3):9-10, 20-21. Mar./Apr. 1951. 99.8 W52
- 53409 COX, D. The pupation of *Cionus scrophulariae* L. (Col., Curculionidae). *Ent. Mon. Mag.* 87:107. Apr. 1951. 421 En86
- 53410 CROWSON, R. A. The classification of the families of British Coleoptera. *Ent. Mon. Mag.* 87:117-128. (Cont.) Apr. 1951. 421 En86
Superfamilies Buprestoidea, Elateroidea, and Cantharoidea.
- 53411 DELKESKAMP, K. 10. zur morphologie und taxonomie der gattung *Plagiopisthen* Thoms. (mit bestimmungstabelle und alphabetischem verzeichnis der arten) (Col. Erotyl.). *Rev. de Zool. et de Bot. Africaines* 44:105-116. Dec. 30, 1950. 410 R326
- 53412 EASTON, A. M. *Meligethes bidentatus* Brisout (Col., Nitidulidae) in Britain: the problem of its specific status. *Ent. Mon. Mag.* 87:10-15. Ref. Jan. 1951. 421 En86
Also *M. punctatus*.
- 53413 EDWARDS, J. G. Taxonomy and bionomics of superfamily Scarabaeoidea in eastern half of United States. Ohio. State U. Abs. Doct. Diss. 60:91-93. Spring Q. 1948/49. 241.8 Oh3
- 53414 EMDEN, F. I. VAN. On the genus *Thaumaphrastus* Blaisdell (Coleoptera: Thorictidae). *Brooklyn Ent. Soc. B.* 46:39-41. Apr. 1951. 420 B79
- 53415 FAHNEY. Gereinigte und ungereinigte hexamittel zur ergerlingsbekämpfung bei forstkulturen. *Allg. Forstz.* 6:129-130. Mar. 14, 1951. 99.8 AL52
Melolontha melolontha.
- 53416 FASSATI, M. Un traité sur l'espèce *Bembidion dilutipenne* Solsky. La 17ème contribution à la connaissance des Carabidae (Coleoptera). *Českoslov. Společnost Ent. Časopis* 47:7-13. 1950. 420 C33
- 53417 FASSATI, M. Un traité sur l'espèce *Bembidion poppii* Net. La 18ème contribution à la connaissance des Carabidae (Coleoptera). *Českoslov. Společnost Ent. Časopis* 47:119-127. 1950. 420 C33
- 53418 FRANZ, H. Zur kenntnis der synonymie und verbreitung von *Bibloporus minutus* Raffr. (Coleopt., Pselaphidae). *Ent. Tidskr.* 71:168-170. 1950. 421 En891
- 53419 GASSER, R. Expériences sur la lutte contre les hannetons (*Melolontha melolontha*). *Internatl. Cong. Crop Protect. Abs. Commun.* 2:67-68. 1949. 464.9 In832
- 53420 GIBSON, A. A. A pest worth watching. *Farm-ers Mag.* 48(4):57. Apr. 1951. 7 C165
Graphognathus leucoloma.
- 53421 GOUIN, F. Die ergerlingsbekämpfung: erste massnahmen der schädlingbekämpfung im hopfenbau. *Bas-Rhin. Agr.* 6:187. Apr. 21, 1951. 14 B29
Melolontha melolontha.
- 53422 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Insects infesting bacon and hams. *Gt. Brit. Min. Agr. & Fisheries. Adv. L.* 373,5 p. Jan. 1951. 10 G79La
Dermestes lardarius and *Plophila casei*.
- 53423 GREEN, J. The distribution of *Staphylinus ater* Gr. (Col., Staphylinidae) on Skokholm Island, Pembrokeshire. *Ent. Mon. Mag.* 87:106-107. Apr. 1951. 421 En86
- 53424 GREEN, J. The food of *Cylindronotus laevicostriatus* (Goeze) (Col., Tenebrionidae) and its larva. *Ent. Mon. Mag.* 87:19. Jan. 1951. 421 En86
- 53425 GREEN, J. Observations on *Cafius xantholoma* Gr. (Col., Staphylinidae). *Ent. Mon. Mag.* 87:110-112. Apr. 1951. 421 En86
- 53426 GRIDELLI, E. Coléoptères Tenebrionidae. *Inst. Franç. d'Afrique Noire. Mém.* 10:153-180. 1950. 515 D14M
Includes new species and forms in *Trichosphaena*, *Blaps*, *Anemia*, *Gonocephalum*, and *Tribolium*.
- 53427 GROSCHKE, F. Weitere beobachtungen und gedanken zur verwendung von chemischen mitteln bei der ergerlingsbekämpfung in forstlichen pflanzgärten und kulturen. *Anz. f. Schädlingssk.* 24:49-53. Apr. 1951. 421 An9
Melolontha melolontha larvae.
- 53428 GUIGNOT, F. Coléoptères Dystiscidae et Gyrinidae. *Inst. Franç. d'Afrique Noire. Mém.* 10:260-263. 1950. 515 D14M
Includes new forms in *Hydrovatus* and *Yola*.
- 53429 HANSEN, V. New beetle species for the Danish fauna, 1949. (In Danish.) *Ent. Meddel.* 25:405-406. 1950. 421 En82
- 53430 HASTINGS, E., and PEPPER, J. H. Aerial and ground application of insecticides for pre-season control of alfalfa weevil [*Hypera postica*]. *J. Econ. Ent.* 44:9-13. Feb. 1951. 421 J822
- 53431 HAVELKA, J. *Acupalpus meridianus* L. ab. pucholti n. ab. (Col. Carabidae). (In Czech.) *Českoslov. Společnost Ent. Časopis* 47:13. 1950. 420 C33
French summary.
- 53432 HENNIG, R. Beobachtungen bei der rüsselkäferbekämpfung. *Allg. Forstz.* 6:166-167. Apr. 4, 1951. 99.8 AL52
Hylobius abietis.
- 53433 HEYROVSKÝ, L. Deux *Prionides* nouveaux de l'Asie. (Col. Ceramb.). *Českoslov. Společnost Ent. Časopis* 47:127-129. 1950. 420 C33
In *Dorystenes* and *Prionus*.
- 53434 HEYROVSKÝ, L. Deuxième contribution à la connaissance des Longicornes de la Palestine (Col. Ceramb.). (In Czech.) *Českoslov. Společnost Ent. Časopis* 47:14-15. 1950. 420 C33
French summary.
Includes new form in *Coptosia*.
- 53435 HORBER, E. The control of the Colorado beetle (*Leptinotarsa decemlineata* Say) in Switzerland from 1946 to 1949. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:98-99. 1949. 464.9 In832
- 53436 HÜBNER, J. New form of *Pterostichus niger* Schall. (Col. Carab.). (In Czech.) *Českoslov. Společnost Ent. Časopis* 47:95. 1950. 420 C33
English summary.
- 53437 JANCKE, O. Der luzerneblattnager [*Hypera postica*] als kartoffelschädling. *Anz. f. Schädlingssk.* 24:53-55. Apr. 1951. 421 An9
- 53438 JEDLIČKA, A. Les nouveaux représentants du genre *Chlaenius* Bon. (Col. Carabidae). *Českoslov. Společnost Ent. Časopis* 47:15-19. 1950. 420 C33
- 53439 JONES, E. W. Laboratory studies on the moisture relations of *Limonius* (Coleoptera: Elateridae). *Ecology* 32:284-293. Ref. Apr. 1951. 410 Ec7
L. canus; *L. californicus*.
- 53440 JONES, G. D. How to win the boll weevil [*Anthonomus grandis*] war. *Prog. Farmer, Carolinas-Va.* Ed. 66(4):19. Apr. 1951. 6 P945
- 53441 KELSEY, J. M., and HOY, J. M. Grass grub [*Odontria zealandica*] control. *New Zeal. Grassland Conf. Papers* 12:66-72. 1950. 60.19 N48
- 53442 KLETT. Die maikäferbekämpfung 1951. *Württemb. Wchnbl. f. Landwirt.* 118:301. Apr. 14, 1951. 18 W96
Melolontha melolontha.
- 53443 KNOWLTON, G. F. Spotted asparagus beetle [*Crioceris duodecimpunctata*] invades Utah. *Brooklyn Ent. Soc. B.* 46:56. Apr. 1951. 420 B79
- 53444 KULT, K. New Neotropical species of group *Clivinina* (Carab. Col.). 23d contribution. *Českoslov. Společnost Ent. Časopis* 47:129-149. 1950. 420 C33
New species in *Akephorus*, *Dyschirius*, and *Schizogenius*.

- 53445 LANE, F. *Cerambycoidea neotropica nova*. II. (Coleoptera). (In Portuguese.) *Dusenja* 2:1-20. Jan.25, 1951. 410 D94
English summary.
New species in *Nepalius*, *Rhathymoscels*, *Cambaia* n.g., and *Erythroplatys*; also *Zelliboria* n.g., and new subfamilies *Zelliborinae* and *Cambalinae*.
- 53446 LECHANTEUR, F. Coléoptères clavicornes. Inst. Franç. d'Afrique Noire. Mém. 10:182. 1950. 515 D14M
Nitulidae and Cucujidae.
- 53447 LEGROS, C. Coléoptères Hydrophilidae et Hydraenidae. Inst. Franç. d'Afrique Noire. Mém. 10:215-218. 1950. 515 D14M
- 53448 LEMONDE, A., and BERNARD, R. Nutrition des larves de *Tribolium confusum* Duval. I-II. *Canad. J. Zool.* 29:71-83. Ref. Apr.1951: 470 C16D
I, Recherche d'un régime synthétique basal satisfaisant leurs besoins nutritifs, p.71-79; II, Importance des acides aminés, p.80-83.
English summary.
- 53449 LUNDBLAD, O. Insect collections from Härjedalen. (In Swedish.) *Ent. Tidskr.* 71:171-176. 1950. 421 En891
Coleoptera and Hemiptera.
- 53450 MCINTYRE, C. B. What we should know about Wisconsin's No. 1 insect pest of 1950: the plum curculio [*Conotrachelus nenuphar*]. *Wis. Hort.* 42, i.e. 41:205-206. May 1951. 80 W752
- 53451 MARSHALL, G. A. K. Coléoptères Curculionidae. Inst. Franç. d'Afrique Noire. Mém. 10:207-211. 1950. 515 D14M
Includes new species in *Pachytychius*, *Lepidotychius*, and *Acallopus*.
- 53452 MEDVEDEV, S. I. April cockchafer (*Rhizotrogus aequinoctialis* Hrbst.)—pest of tree nurseries in the steppe zone. (In Russian.) *Zool. Zhur.* 30:66-68. Jan./Feb.1951. 410 R92
- 53453 MEEUSE, A. D. J. The Australian carpet beetle, *Anthrenocerus australis* (Hope) (Coleoptera, Dermestidae-Anthrenini) in the Netherlands. *Ent. Ber.* 13:161-162. Nov.1,1950. 420 N38B
- 53454 MOUCHET, J. Coléoptères Elateridae. Inst. Franç. d'Afrique Noire. Mém. 10:183-190. 1950. 515 D14M
Includes new species in *Aeoloides*, *Megapenthes*, and *Zoroehrus*.
- 53455 MUIZON, J. DE. Coléoptères Brenthidae. Inst. Franç. d'Afrique Noire. Mém. 10:212. 1950. 515 D14M
- 53456 MUNDINGER, F. G. The apple flea weevil [*Rhynchaenus pallicornis*]. *J. Econ. Ent.* 44:28-33. Feb. 1951. 421 J822
- 53457 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De behandeling van zaaizaad van granen en bieten met ECH bevattende middelen ter bestrijding van ritnaalden [Treatment of grain and beet seeds with ECH containing preparations for the control of wireworms]. Netherlands. Plantenziektenk. Dienst. Ber. 938,2 p. Mar.1951. 464.9 N38
- 53458 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van glanskevers en snuitkevers in kruisbloemige gewassen [Control of blossom beetle (*Meligethes aeneus*) and weevils (*Curculionidae*) on Cruciferae]. Netherlands. Plantenziektenk. Dienst. Ber. 940, 2 p. Mar.1951. 464.9 N38
- 53459 NOTLEY, F. B., and TAPLEY, R. G. A note on white borer of coffee [*Anthonus leuconotus*]. *East African Agr. J.* 16:130. Jan.1951. 24 Ea74
- 53460 NYHOLM, T. Studien über die familie Helodiidae. V. Kritische bemerkungen über *Cyphon ruficollis* Tourn. nebst beschreibung des weibschens von *C. furcillatus* Nyh. *Arkiv f. Zool. (n.s.)* 1:199-202. 1950. 410.9 Sv22
- 53461 NYHOLM, T. Zur kenntnis der curculioniden-fauna Schwedens. 2. *Apion interjectum* Desbr., eine von aestivum Germ. gut getrennte art, in Schweden aufgefunden. *Ent. Tidskr.* 71:179-193. 1950. 421 En891
- 53462 OBENBERGER, J. Coléoptères Buprestidae. Inst. Franç. d'Afrique Noire. Mém. 10:191-198. 1950. 515 D14M
Includes new species in *Psiloptera* and *Jante*.
- 53463 OLEXA, A. Quelques espèces de Coléoptères rares de la Slovaquie orientale. (In Czech.) *Českoslov. Společnost Ent. Časopis* 47:52-57. 1950. 420 C33
French summary.
- 53464 OLMEDO IGNACIO, H. El barrenador del tronco y las ramas del aguacate. *Chapingo* 4:546-548,562. July 1950. 102 C36
Copturus.
- 53465 PEARCE, E. J. A revision of the British species of the genus *Biblioplectus* Reitter (Col., Pselaphidae) with descriptions of two species new to science. *Ent. Mon. Mag.* 87:65-83. Ref. Mar.1951. 421 En86
- 53466 PIC, M. Coléoptères Bruchidae. Inst. Franç. d'Afrique Noire. Mém. 10:211. 1950. 515 D14M
- 53467 PIC, M. Coléoptères Chrysomelidae; descriptions d'espèces nouvelles. Inst. Franç. d'Afrique Noire. Mém. 10:203-207. 1950. 515 D14M
New species and forms in *Lema*, *Acolastus*, *Diapromorpha*, *Antipa*, *Coptocephala*, *Malegia*, *Mashonania*, *Liniscus*, *Eurydemus*, *Syagrus*, and *Anguleumolpus*.
- 53468 PIC, M. Coléoptères Cleridae, Anobiidae et Dermestidae. Inst. Franç. d'Afrique Noire. Mém. 10:180-182. 1950. 515 D14M
Includes new species in *Opetiopalpus* and *Clada*.
- 53469 PIC, M. Coléoptères Malacodermoidae et Heteromeroidea. Inst. Franç. d'Afrique Noire. Mém. 10:145-153. 1950. 515 D14M
Includes new species in *Airomalachus* n.g. (*Malachii*-dae), *Cyaneolytta*, *Mordella*, *Mordellistena*, *Macrosiagon*, *Synallecula*, *Amblioderus*, and *Anthicus*.
- 53470 PLANK, H. K., and HAGEMAN, R. H. Starch and other carbohydrates in relation to powder-post beetle [*Dinoderus minutus*] infestation in freshly harvested bamboo. *J. Econ. Ent.* 44:73-75. Feb.1951. 421 J822
- 53471 PODANÝ, C. Les nouvelles formes des Longicornes. (Col. Cerambyc.). (In Czech.) *Českoslov. Společnost Ent. Časopis* 47:19-21. 1950. 420 C33
French summary.
In *Rhamnusium*, *Leptura*, *Strangalia*, *Semanotus*, *Plagionotus*, and *Lelopus*.
- 53472 PUZYR, H. Eine neue Scolytus-art. *Allg. Forstztg.* 62:46. Mar.1951. 99.8 AL53
- 53473 RADEMACHER, B. Kalkstickstoff zur kartoffelkäferbekämpfung? *Württemb. Wchnbl. f. Landwirt.* 118:324. Apr.21,1951. 18 W96
Leptinotarsa decemlineata.
- 53474 RAUSCH, H. Neue wege der rüsselkäferbekämpfung. *Allg. Forstz.* 6:165. Apr.4,1951. 99.8 AL52
Hylobius abietis.
- 53475 RAUSCH, H. Über die verwendung von E 605 forte zur rüssel-und bastkäferbekämpfung. *Höfchen-Briefe f. Wiss. u. Praxis* 3(5):38-42. 1950. 464.8 H67
English summary.
Hylobius abietis and Hylastus cunicularius.
- 53476 REGNIER. Etat actuel des recherches sur les hannetons et les vers blancs. *Acad. d'Agr. de France. Compt. Rend.* 36:714-722. Ref. Dec.13/20,1950. 14 P215Bc
Melolontha melolontha.
- 53477 ROBINSON, M. A new species of *Uroxys* from Peru (Coleoptera: Scarabaeidae). *Ent. News [Philadelphia]* 62:139-140. Apr.1951. 421 En88
- 53478 ROSELLA, E. Lorsque les fleurs d'arbres fruitiers sont dévorées par des cetonies velues [*Cetonia* sp.] il faut traiter en pleine floraison. *Prog. Agr. et Vitic.* 1951:202-204. Apr.15/22,1951. 14 P94
- 53479 ROUBAL, J. *Coleopterorum formae novae ex Bohemia descriptae*. (In Czech.) *Českoslov. Společnost Ent. Časopis* 47:21-23. 1950. 420 C33
New forms in *Quedius*, *Adalia*, and *Anthicus*.
Latin descriptions.
- 53480 ROUBAL, J. Historical and zoo-geographical essay about *Nepachys cardiaca* L. (Col. Malach.). (In Czech.) *Českoslov. Společnost Ent. Časopis* 47:149-154. Ref. 1950. 420 C33
English summary.
- 53481 SCALLEY, F. T., and CANNON, R. M. Flea beetle [*Epitrix cucumeris*] control in the Montana district. *Amer. Soc. Sugar Beet Technol. Proc.* 6:491-493. 1950. 66.9 Am35
- 53482 SCHREAD, J. C. The latest chemicals available; rid your lawn of pests. *Horticulture* 29:182,187. May 1951. 80 H787
Popillia japonica, *Blissus leucopterus*, and ants.
- 53483 SCHULZE, K. Die bekämpfung des rapsglanzkäfers [*Meligethes aeneus*]. *Deut. Landwirt.* 2:159. Mar. 1951. 18 D4822
- 53484 SCHVESTER, D. Sur un nématode du groupe des Parasitylenchus dispar Fuchs, parasite nouveau du xylebore disparate (*Xyleborus dispar*-F.). *France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Epiphyt.* 1:48-53. Jan./Feb.1950. 464.9 F84An
- 53485 SJÖBERG, O. Drei neue käfer aus der borealen region Schwedens. *Ent. Tidskr.* 71:161-164. (Cont.) 1950. 421 En891
New species in *Dermestes*.

- 53486 SMETANA, A. Additio ad cognitionem speciei *Pterostichus (Orites) negligens* Strm. (Col. Carab.). (In Czech.) Českoslov. Společnost Ent. Časopis 47:154-159. Ref. 1950. 420 C33
Latin summary.
- 53487 SMETANA, A. Inventa Coleopterorum minus frequentium in Bohemia. (In Czech.) Českoslov. Společnost Ent. Časopis 47:57-58. 1950. 420 C33
- 53488 SMIT, B. White grubs and chafer beetles [Melolonthidae]. Farming So. Africa 26(298):6. Jan. 1951. 24 So842
Control.
- 53489 STAPLEY, J. H. Wireworm control with benzene hexachloride with special reference to seed-dressings. Internatl. Cong. Crop Protect. Abs. Commun. 2:70-71. 1949. 464.9 In832
- 53490 STAUTEMAS, E. Otiorynchus injuries to ornamentals. (In Flemish.) Tuinbouwberichten 15:10-11. Jan. 15, 1951. 80 T817
- 53491 STRAND, A. *Eudectus novayae zemlyae* Munst. a synonym of *E. whitei* Sharp (Col., Staphylinidae). Ent. Mon. Mag. 87:104-105. Ref. Apr. 1951. 421 En86
- 53492 STRANEO, S. L. Revision of the African species of the genus *Melanichiton* Andrewes (*Melanodes Chaudoir* et auctt.) (Col. Carab.). (In Italian.) Rev. de Zool. et de Bot. Africaines 44:61-104. Dec. 30, 1950. 410 R326
- 53493 THIELMANN, K. Zur räussekäferbekämpfung. Allg. Forstz. 6:194-195. Apr. 25, 1951. 99.8 AL52
Hylobius abietis.
- 53494 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Summary of Japanese beetle [*Popillia japonica*] trap-scouting and control activities, 1932 to 1950. Washington, 1951. 13 p. 1.967 A2Su63
- 53495 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Sweetpotato weevil [*Cylas formicarius elegantulus*] control. Washington? 1951? 1 p. 1.967 A2Sw3
- 53496 VILLIERS, A. Coléoptères Cerambycidae. Inst. Franç. d'Afrique Noire. Mém. 10:199-201. 1950. 515 D14M
Includes new species in Eumidia.
- 53497 VILLIERS, A. Coléoptères Lyctidae et Bostrychidae. Inst. Franç. d'Afrique Noire. Mém. 10:198-199. 1950. 515 D14M
- 53498 VILLIERS, A. Coléoptères Scarabaeoidea. Inst. Franç. d'Afrique Noire. Mém. 10:218-230. 1950. 515 D14M
Includes new species and forms in Didactylia, Pleurophorus, and Pachnoda.
- 53499 VOGT, G. B. Five new Buprestidae from south Texas (Coleoptera). Ent. Soc. Amer. Ann. 42:48-54. Mar. 1949. 420 En82
In *Chrysobothris*, *Agilus*, and *Pachyschelus*.
- 53500 WILSON, G. F. The clay-coloured weevil [*Brachyrhinus singularis*]. Natl. Rose Soc. Rose Annu. 1951:144-145. 84 N21
- 53501 WILSON, M. C. The sweet clover weevil [*Sitona cylindricollis*] and its control in Indiana. Ind. Agr. Expt. Sta. C. 369,8 p. Jan. 1951. 100 In2P
- 53502 WINKLER, J. Some interesting monstrous Coleoptera. I-II. (In Czech.) Českoslov. Společnost Ent. Časopis 47:23-26, 159-162. Ref. 1950. 420 C33
English summary of part II.
- 53503 WOLCOTT, G. N. Control of the soil-inhabiting grubs of Puerto Rico. J. Econ. Ent. 44:58-60. Feb. 1951. 421 J822
Aldrin, lindane, DDD, and DDT tested against *Phyllophaga portoricensis*, *P. vandinei*, and *Diaprepes abbreviatus*.
- DIPTERA**
- 53504 ALEXANDER, C. P. New species of crane-flies from South America. XIII. (Diptera: Tipulidae). Ent. Soc. Amer. Ann. 42:101-119. Mar. 1949. 420 En82
New species in *Trentepohlia*, *Teucholabis*, and *Gnophomyia*.
- 53505 ANDERSON, M., and BALDWIN, W. F. A simple method of preparing dipterous larvae for the study of spinal patterns. Quebec Soc. Protect. Plants. Rpt. 31:50-51. Dec. 31, 1950. 464.9 Q3
- 53506 APPLEWHITE, K. H., and CROSS, H. F. Further studies of repellents in Alaska. J. Econ. Ent. 44:19-22. Feb. 1951. 421 J822
Tests with mosquitoes (*Aedes* spp.) and sand flies (*Culicoides tristriatulus*).
- 53507 BARNES, H. F. Gall midges of economic importance. v. 5, Gall midges of trees. London, Crosby Lockwood & Son, 1951. 270 p. Ref. 428 B26
- 53508 BEQUAERT, J. C. Hippoboscidae (Diptera) transported by aircraft. Brooklyn Ent. Soc. B. 46:49-51. Apr. 1951. 420 B79
- 53509 BIRD, J. Fly control is easy with this 3-point plan. Country Gent. 121(5):122-123. May 1951. 6 C833
- 53510 BREWSTER, R. H. Airplane dusting. Amer. Nurseryman 93(8):12,32. Apr. 15, 1951. 80 Am371
DDT for *Phytomyza ilicis* on *Ilex opaca*.
- 53511 BROWN, E. S. Variation and polymorphism in *Lampetia equestris* (F.) (Dipt., Syrphidae) and other British mimetic insects. Ent. Mon. Mag. 87:16-18. Jan. 1951. 421 En86
- 53512 BRUCE, W. N., and DECKER, G. C. Here are some solutions to insecticide-resistant house flies. Pest Control 19(4):9-11. Apr. 1951. 449.8 Ex8
- 53513 CARSON, H. L., and STALKER, H. D. Natural breeding sites for some wild species of *Drosophila* in the eastern United States. Ecology 32:317-330. Ref. Apr. 1951. 410 Ec7
- 53514 COMPTON, C. C. The status of dieldrin for fly control in 1951. Pest Control 19(4):18,20. Apr. 1951. 449.8 Ex8
- 53515 CRICHTON, M. I. Some Hippoboscidae (Diptera) from Tristan da Cunha. Ent. Mon. Mag. 87:21-22. Jan. 1951. 421 En86
Ornithomyia remota; *Melophagus ovinus*.
- 53516 CROWELL, R. L., and FAY, R. W. Preliminary experiments in the use of hot DDT and other halogenated hydrocarbons for residual applications. Natl. Malaria Soc. J. 10:8-16. Ref. Mar. 1951. 448.9 N213
Tests with *Musca domestica*.
- 53517 D'ASSIS-FONSECA, E. C. M. Diptera collected in 1950. Ent. Rec. & J. Variation 63:55-59. Mar./Apr. 1951. 421 En89
England.
- 53518 DOLLEY, W. L., JR., and WHITE, J. D. The effect of illuminance on the lethal temperature in the drone fly, *Eristalis tenax*. Biol. B. 100:90-94. Apr. 1951. 442.8 B52
- 53519 DOLLEY, W. L., JR., and WHITE, J. D. The effect of illuminance on the reversal temperature in the drone fly, *Eristalis tenax*. Biol. B. 100:84-89. Apr. 1951. 442.8 B52
- 53520 EDDY, G. W. Aminophenols as antioxidants for pyrethrum. J. Econ. Ent. 44:109-111. Feb. 1951. 421 J822
Tests with *Stomoxys calcitrans*.
- 53521 FITZGERALD, O. A. Flies haven't licked us! Utah Farmer 71:313. Apr. 19, 1951. 6 D45
- 53522 FRICK, K. E. How to control cherry fruit fly [*Rhagoletis cingulata*]. Better Fruit 45(10):7-8,30. Apr. 1951. 80 B46
- 53523 FRICK, K. E. Results of some experiments for the control of the cherry fruit fly [*Rhagoletis cingulata*] in the Yakima Valley. Oreg. State Hort. Soc. Proc. 65:30-33. 1950. 81 Or32
- 53524 GARDNER, E. J., and STOTT, G. H. Genes producing a maternal effect and modifiers of tumorous head in "wild" and tumor bearing stocks of *Drosophila melanogaster*. Genetics 36:72-83. Ref. Jan. 1951. 442.8 G28
- 53525 GERSDORFF, W. A., and MITLIN, N. Relative toxicity of allethrin analogs to house flies. J. Econ. Ent. 44:70-73. Feb. 1951. 421 J822
- 53526 GHOSH, S. M. On the control of *Phlebotomus* (sandflies) with D.D.T. and B.H.C. (gammexane). Indian J. Malariol. 4:175-184. June 1950. 448.8 In24
- 53527 GRANETT, P., HAYNES, H. L., and HELM, R. W. Further evaluation of butoxypolypropylene glycol as a fly repellent for dairy cattle. J. Econ. Ent. 44:97-102. Feb. 1951. 421 J822
Tests with *Stomoxys calcitrans*, *Siphona irritans*, and *Musca domestica*.
- 53528 GUILLAUME, A. Méthode préventive de lutte, en France et en Algérie contre le varron des tanneurs, larve de l'*Hypoderma bovis*. Acad. d'Agr. de France. Compt. Rend. 36:728-732. Dec. 13/20, 1950. 14 P215Bc
Includes discussion.
- 53529 GUNDERSON, H. The dairyman's dilemma; fly control in 1951. Hoard's Dairyman 96:377,413. May 10, 1951. 44.8 H65
- 53530 HALLEMANS, A. L'hoplocampe du poirier, *Hoplocampa brevis* Kluz. Annu. Agr. et Hort. (1949/50):2:213-215. 1950. 13 An7

- 53531 HANSENS, E. J. Stable flies [*Stomoxys calcitrans*] at the seashore. *Pest Control* 19(4):12,14. Apr.1951. 449.8 Ex8
Control of flies breeding in decaying vegetation on New Jersey coast with DDT.
- 53532 HARDY, G. H. Theories of the world distribution of Diptera. *Ent. Mon. Mag.* 87:99-102. Apr.1951. 421 En86
- 53533 HARRISON, R. A. Occurrence of *Lonchopoda dubia* Curran in New Zealand (Diptera: *Lonchopodidae*). *Roy. Soc. New Zeal. Trans. & Proc.* 78:449-450. Nov. 1950. 514 W46
- 53534 HEDDERGOTT, Grünland und wintersaaten in gefahr! *Landwirt. Wehnbl. f. Westfalen u. Lippe* 108A: 511. Apr.5,1951. 18 L2346
Outbreak of *Tipula paludosa*.
- 53535 HOUSE, H. L. Notes on the laboratory propagation of *Pseudosarcophaga affinis* (Fall), a sarcophagid parasite of the spruce budworm, *Choristoneura fumiferana* (Clem). *Quebec Soc. Protect. Plants. Rpt.* 31: 134-137. Dec.31,1950. 464.9 Q3
- 53536 JAMES, M. T. Some new and poorly known *Therevidae* (Diptera) from Colorado. *Ent. Soc. Amer. Ann.* 42:10-13. Mar.1949. 420 En82
New species in *Psilocephala* and *Thereva*.
- 53537 JENSEN, V., and PARISH, C. P. Soil fumigation of sugar beets for the control of sugar beet root maggot [*Tetanops aldrichi*]. *Amer. Soc. Sugar Beet Technol. Proc.* 6:478. 1950. 66.9 Am35
- 53538 KAPLAN, H. The olive fly [*Dacus oleae*] at Givat-Brenner. (In Hebrew.) *Hassadeh* 31:353-355. Apr.1951. 26 H27
- 53539 KOHLER, C. E., and FOX, I. The relative attractiveness of New Jersey light traps painted (a) green and (b) yellow to Puerto Rican *Culicoides*. *J. Econ. Ent.* 44:112-113. Feb.1951. 421 J822
- 53540 KÜHL, R. Zur dasselbekämpfung 1951. *Auf der Alpe* 1951:23-26. Apr.1951. 18 Au3
Hypoderma in Germany.
- 53541 LANGE, B. Erfahrungen bei der *Tipula*-bekämpfung mit E 605. *Höfchen-Briefe f. Wiss. u. Praxis* 3(5):16-31. 1950. 464.8 H67
English summary.
- 53542 LEGEAR, D. H. Eliminating cattle grubs. *Amer. Farm Youth* 17(1):38. Mar.1951. 6 Am393
- 53543 LEYON, H., and EKLUND, G. Some electron microscopical observations on the structure of the wings of *Simulium*. *Arkiv f. Zool. (n.s.)* 1:471-476. 1951. 410.9 Sv22
- 53544 LINDEN, L. VAN DER. Feeding injuries to vegetables due to the larvae of long-legged flies [*Tipula*] and the garden hair fly [*Bibio hortulanus*]. (In Flemish.) *Tuinbouwberichten* 15:38. Mar.15,1951. 80 T817
- 53545 LINDSAY, D. R., and HAINES, T. W. A method of testing the resistance of houseflies to residual-type insecticides. *J. Econ. Ent.* 44:104-106. Feb.1951. 421 J822
- 53546 MANIS, H. C. Where are we in the fly war? *Idaho. Agr. Col. Idaho Agr. Sci.* 36:2. First Q.1951. 276 Id13N
- 53547 MARTIN, H., and ALIBERT, H. Observations sur *Ceratitis capitata* Wied. en Algérie et résultats obtenus sur agrumes dans la lutte contre cet insecte. *Acad. d'Agr. de France. Compt. Rend.* 37:129-131. Feb.7/14,1951. 14 P215Bc
- 53548 MARTIN, R. Don't pay tribute of beef and milk to flies that chemicals will control. *Farmer-Stockman* 54(4):8,27,31. Apr.1951. 6 Ok45
- 53549 MELIS, A. Observations on the winter and spring emergence of the adult "*Dacus oleae*" in Tuscany. (In Italian.) *Olearia* 5(1/2):11-18. Jan./Feb.1951. 307.8 OL2
English summary.
- 53550 MORRISON, F. O. The preoviposition habitat of the currant fruit fly (*Epochra canadensis* Loew. Diptera: *Trupaneidae*). *Quebec Soc. Protect. Plants. Rpt.* 31:46-47. Dec.31,1950. 464.9 Q3
- 53551 NIJVELDT, W. *Clinodiplosis pisicola* Barnes (Diptera, *Itonididae*) f.n.sp., als inquiline of *Contarinia pisi* Winn. (In Dutch.) *Ent. Ber.* 13:233-236. Mar.1,1951. 420 N38B
English summary.
- 53552 NIJVELDT, W. On gall midges and their galls. II. *Rhabdophaga terminalis*. (In Dutch.) *Natura* 47:235-237. Dec.1950. 410 N2192
- 53553 PARAMONOW, S. J. Über manche für die Ukraine und die Krim schädlichen "fruchtfliegen" mit quarantänebedeutung. *Anz. f. Schädlingssk.* 24:58-59. Apr.1951. 421 An9
Lonchaea aristella, *Dacus* spp., *Zonosemata electa*, *Rhagoletis* spp.
- 53554 PARMENTER, L. Flies on the stinkhorn fungus, *Phallus impudicus* Pers. *Ent. Rec. & J. Variation* 63:59-60. Mar./Apr.1951. 421 En89
- 53555 PAVAN, C., and others. Concealed genic variability in Brazilian populations of *Drosophila willistonii*. *Genetics* 36:13-30. Ref. Jan.1951. 442.8 G28
A. R. Cordelro, N. Dobzhansky, T. Dobzhansky, C. Malogolowkin, B. Spassky, and M. Wedel, joint authors.
- 53556 PITCHER, R. S. Raspberry cane midge [*Thomasiina theobaldi*] and midge blight. *Grower [London]* 35:766-767. Apr.14,1951. 286.83 M34
- 53557 QUARTERMAN, K. D., PARKHURST, J. D., and DUNN, W. J. DDT for control of stable fly, or dog fly [*Stomoxys calcitrans*], in northwestern Florida. *J. Econ. Ent.* 44:61-65. Feb.1951. 421 J822
Breeding in beach deposits.
- 53558 RIZKI, M. T. M. Morphological differences between two sibling species, *Drosophila pseudoobscura* and *Drosophila persimilis*. *Natl. Acad. Sci. Proc.* 37: 156-159. Mar.1951. 500 N21P
- 53559 ROBERTS, F. H. S., and MOULE, G. R. A preliminary report on the value of DDT and BHC for the control of body-strike in sheep. *Austral. Vet. J.* 27:35-39. Feb.1951. 41.8 Au72
- 53560 ROBERTSON, R. S., JR., and GAINES, J. C. The toxicity of certain organic insecticides to different strains of house flies. *J. Econ. Ent.* 44:114-115. Feb. 1951. 421 J822
Lindane, chlordane, DDT.
- 53561 RYCKMAN, R. E. Injurious effects of *Paracantha culta* on Canadian thistle in Wisconsin. *J. Econ. Ent.* 44:127. Feb.1951. 421 J822
- 53562 RYVKIN, B. V. Some problems of the biology of the tachinid, *Sturmia inconspicua* Meig. (Diptera, *Larvivoridae*) and its economic importance [as parasite of *Dendrolimus pini* caterpillars]. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:755-758. Feb.11,1951. 511 P444A
- 53563 SABROSKY, C. W. Taxonomic problems in Egyptian flies of the genus *Musca*. *Washington, 1950?* 34 p. 428 Sa1
- 53564 SARA, M. On the chromosomes of *Telmato-scopus albipunctatus* and *T. ustulatus*, Diptera-Psychodidae. (In Italian.) *Caryologia* 3:204-210. Ref. 1950. 442.8 C25
English summary.
- 53565 SABEL'EV, D. V., and BREEV, K. A. To secure the highest effectiveness of warble fly control measures. (In Russian.) *Veterinariia* 27(12):11-16. Dec.1950. 41.8 V6426
Effect of DDT emulsions on *Hypoderma bovis* and *H. lineatum*.
- 53566 SCHAUS, R. Fly control pays off and the best time to start is right now. *West. Dairy J.* 7(6):13,55-56. Apr.1,1951. 44.8 W524
- 53567 SEGHEITTI, L. Sheep tick [*Melophagus ovinus*] control. *Mont. Wool Grower* 25(4):9. Apr.1951. 45.8 M762
- 53568 SÉGUY, E. Diptères. *Inst. Franç. d'Afrique Notre. Mém.* 10:272-282. 1950. 515 D14M
Includes new species in *Loewinella*, *Asyndetus*, *Crosso-palpus*, *Siphonella*, *Hylemya*, *Lispa*, *Apisia* n.g. (*Musci-dae*), and *Rheamyia* n.g. (*Muscidae*).
- 53569 SLÍPKA, J. Species of the family *Limnobiidae* new for Czechoslovakia (Dipt.). (In Czech.) *Ceskoslov. Společnost Ent. Časopis* 47:62-64. 1950. 420 C33
English summary.
- 53570 SLÍPKA, J. The structure of the compound eyes of imago of the genus *Tipula* L. (Dipt.). (In Czech.) *Ceskoslov. Společnost Ent. Časopis* 47:96-109. Ref. 1950. 420 C33
English summary.
- 53571 STANSBURY, R. E., and DAHM, P. A. The effect of alfalfa dehydration upon residues of aldrin, chlordane, parathion, and toxaphene. *J. Econ. Ent.* 44:45-51. Ref. 421 J822
Biological assay with *Musca domestica*.
- 53572 STARY, B. *Phytomyza soldanellae* n. sp., une nouvelle espèce de la famille des *Agromyzidae* (Dipt.). (In Czech.) *Ceskoslov. Společnost Ent. Časopis* 47:162-165. 1950. 420 C33
French summary.
- 53573 STITT, L. L. Control of *Hylemya brassicae* in radishes. *J. Econ. Ent.* 44:87-89. Feb.1951. 421 J822
Tests with various insecticides.
- 53574 THEOWALD, BROTHOR. Some scarce Diptera. (In Dutch.) *Ent. Ber.* 13:218. Feb.1,1951. 420 N38B
In Netherlands.

- 53575 THIJN, J. W. Cattle fly control. (In Dutch.) Drents Landbbl. 32(11):13. Mar. 17, 1951. 12 D812
Hypoderma bovis.
- 53576 VOGT, M. Analyse durch Äthylurethan bei Drosophila induzierter Mutationen. Z. f. Induktive Abstam.- u. Vererblehre. 83:324-340. Ref. 1950. 442.8 Z34
- 53577 WANSON, M., and LEBIED, B. L'habitat larvaire de Simulium renauxi Wanson et Lebed; description de la puppe et des terminalia du mâle. Rev. de Zool. et de Bot. Africaines 44:25-29. Dec. 30, 1950. 410 R326
- 53578 WEBSTER, M. Blowfly strike; causes and treatment. Tasmanian Fruitgrower & Farmer 28(329):29-30. Jan. 1951. 23 T185
- 53579 WILSON, C. Heel flies—cattle grubs. Aberdeen-Angus J. 32(9):55, 128, 130. Apr. 1951. 43.8 Ab3
Damage to cattle and control measures for Hypoderma lineatum and H. bovis.
- 53580 ZIMM, G. G. An analysis of growth abnormalities associated with the eye-mutant lobe in Drosophila melanogaster. J. Expt. Zool. 116:289-319. Ref. Mar. 1951. 410 J825

Culicidae

- 53581 ABDEL-MALEK, A. A study of the morphology of the immature stages of Aedes trivittatus (Coquillett) (Diptera: Culicidae). Ent. Soc. Amer. Ann. 42:19-37. Ref. Mar. 1949. 420 En82
- 53582 BRELAND, O. P. The biology and the immature stages of the mosquito, Megarhinus septentrionalis Dyar & Knab. Ent. Soc. Amer. Ann. 42:38-47. Mar. 1949. 420 En82
- 53583 DOWNS, W. G. Growth changes of anopheline eggs in water and in saline solutions. Natl. Malaria Soc. J. 10:17-22. Ref. Mar. 1951. 448.9 N213
Eggs of A. aztecus, A. albimanus, and A. pseudopunctipennis tested with various concentrations of NaCl solutions.
- 53584 GARDINER, R. C. Mosquito control at Rosemere. Quebec Corp. Protect Plants. Rpt. 31:36-40. Dec. 31, 1950. 464.9 Q3
- 53585 GOODWIN, M. H., JR. Observations on the natural occurrence of Plasmodium floridense, a saurian malaria parasite, in Sceloporus undulatus undulatus. Natl. Malaria Soc. J. 10:57-67. Mar. 1951. 448.9 N213
Part of program to study infectivity of sylvan malarias to Anopheles in Georgia.
- 53586 KRUSE, C. W., PHILEN, E. A., and LUDVIK, G. F. Characteristics of larvicidal sprays applied by aircraft for the control of Anopheles quadrimaculatus on impounded water. Natl. Malaria Soc. J. 10:23-34. Mar. 1951. 448.9 N213
- 53587 LUDVIK, G. F., SNOW, W. E., and HAWKINS, W. B. The susceptibility of Anopheles quadrimaculatus to DDT after five years of routine treatment in the Tennessee River Valley. Natl. Malaria Soc. J. 10:35-43. Mar. 1951. 448.9 N213
- 53588 MACKIE, T. T., and others. A malaria reconnaissance in the Dominican Republic. Natl. Malaria Soc. J. 10:44-56. Mar. 1951. 448.9 N213
T. W. Simpson, R. L. Tuttle, and J. Klutetz, joint authors. Anopheles albimanus and A. grabhamii present.
- 53589 MISSIROLI, A. The eradication of Anopheles labranchiae in Sardinia. (In Italian.) Riv. di Parassitol. 11:269-273. Dec. 1950. 436.8 R52
- 53590 MOHAN, B. N. Certain uncommon habits of Culex bitaeniorhynchus (type form). Indian J. Malariol. 4:167-173. June 1950. 448.8 In24
- 53591 MOK, F. F. Transmission of Plasmodium relictum Grassi & Feletti by Anopheles freeborni Aitken. Science 113:485. Apr. 27, 1951. 470 Sci2
- 53592 RACHINSKIĬ, F. IŬ., PERVOMAYSKIĬ, G. S., and CHAGIN, K. P. Dimethyl phthalate as means of protection from gnats. (In Russian.) Zool. Zhur. 30:69-72. Ref. Jan./Feb. 1951. 410 R92
Mosquitoes chiefly.
- 53593 RAO, V. V., and RAMAKRISHNA, V. Fresh-water form of Anopheles sundalcus. (Abs.) Indian J. Malariol. 4:235. June 1950. 448.8 In24
- 53594 SCHOOP, G. Über die kriebelmückenschäden in Deutschland. Tierärztl. Umschau 6:134-136. Apr. 1951. 41.8 T445
Simulium.
- 53595 SINGH, J., RAMAKRISHNAN, S. P., and DAVID, A. Trypanosomes and plasmodial sporozoites in the salivary glands of a laboratory-bred Culex fatigans Weid., 1828. Indian J. Malariol. 4:189-192. June 1950. 448.8 In24

- 53596 SRIVASTAVA, R. S. Malaria control measures in the Tarai area under the Tarai Colonization Scheme, Kichha, District Naini Tal: September 1947 to December 1948; first report. Indian J. Malariol. 4:151-165. June 1950. 448.8 In24
Includes mosquito control.
- 53597 SUFFOLK COUNTY, N. Y., MOSQUITO CONTROL COMMISSION. Report. Yaphank, 1950. 15 p. 428 Su2
- 53598 WALLACE, R. B. Malaria control on estates. Planter 27:16-25. Jan. 1951. 78.8 P69
Includes control of Anopheles maculatus in Malaya.
- 53599 YATES, W. W., and others. Treatment of mosquito larvae and adults with radioactive phosphorus. J. Econ. Ent. 44:34-37. Feb. 1951. 421 J822
C. M. Gjullin, A. W. Lindquist, and J. S. Butts, joint authors.
Experiments with Aedes sticticus, A. vexans, and Culex tarsalis.

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

- 53600 ARANT, F. S., and JONES, C. M. Influence of lime and nitrogenous fertilizers on the population of greenbugs [Toxoptera graminum] infesting oats. J. Econ. Ent. 44:121-122. Feb. 1951. 421 J822
- 53601 ARRIAGA, H. O. Obtención de centenos resistentes a la saliva tóxica de Schizaphis [i.e. Toxoptera] graminum (Rond.) Blanchard. La Plata. U. Nac. Facul. de Agron. Lab. de Zool. Agr. B. 11:39-47. Ref. 1949, pub. 1950. 423.92 L31B
- 53602 BALASUBRAMANYAN, R., and IYENGAR, N. K. The problem of jassids [Empoasca devastans] on American cotton in Madras with special reference to black soils of ceded districts. Indian Cotton Growing Rev. 4:199-211. Ref. Oct. 1950. 72.8 In23
- 53603 BARKER, J. S., and TAUBER, O. E. Development of green peach aphid [Myzus persicae] as affected by nutrient deficiencies in a host, nasturtium. J. Econ. Ent. 44:125. Feb. 1951. 421 J822
- 53604 BORKHSENIUS, N. S. Chervetsy i shchitovki SSSR [Mealy bugs and scale insects of U.S.S.R.] (Coccidae). Moskva, Akademiia Nauk SSSR, 1950. 249 p. (Opredeliteli po Faune SSSR Izdavaemye Zoologicheskimi Institutom Akademii Nauk SSSR. 32) 410.9 P444
- 53605 BRAGA, P. C. Effect of temperature on the treatment of Cimex lectularius in a fasting condition with DDT. (In Italian.) Riv. di Parassitol. 11:267-269. Dec. 1950. 436.8 R52
- 53606 BUSH, R. Systemics help strawberry virus control. Grower [London] 35:825, 827. Apr. 21, 1951. 286.83 M34
By control of vector, Capitophorus fragariae.
- 53607 CARAYON, J. Nombre et disposition des ovarioles dans les ovaires des Hémiptères-Hétéroptères. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 22:470-475. Ref. June 1950. 410.9 P213
- 53608 CHILDS, L., and OLNEY, V. W. Pear psylla [Psylla pyricola] and its control. Oreg. State Hort. Soc. Proc. 65:47-53. 1950. 81 Or32
- 53609 CHINA, W. E. Proposed use of the plenary powers to vary the type species of "Capsus" Fabricius, 1803 (class Insecta, order Hemiptera) in order to validate existing nomenclatorial practice. B. Zool. Nomencl. 2:103-104. Apr. 20, 1951. 410 B874
- 53610 CRICHTON, M. L. Slugs feeding on mealybugs [Pseudococcus citri]. Ent. Mon. Mag. 87:20. Jan. 1951. 421 En86
- 53611 CUTRIGHT, C. R. Comstock mealybug [Pseudococcus comstocki] in Ohio. J. Econ. Ent. 44:123-124. Feb. 1951. 421 J822
- 53612 DENNIS, C. J. A description of the previously unknown male of Cyrtolobus griseus Van Duzee. Canad. Ent. 83:106. Apr. 1951. 421 C16
- 53613 DLABOLA, J. Some records of leafhoppers from Slovakia. (Homoptera, Auchenorrhyncha.). Českoslov. Společnost Ent. Casopis 47:65-67. 1950. 420 C33
English summary.
- 53614 DOUGLASS, J. R., ROMNEY, V. E., and HALLOCK, H. C. Survival of the beet leafhopper [Circulifer tenellus] in southern Idaho during the severe winter of 1948-49. Amer. Soc. Sugar Beet Technol. Proc. 6:494-498. 1950. 66.9 Am35
- 53615 DOUTT, R. L. Biological control of mealybugs [Pseudococcus citri] infesting commercial greenhouse gardenias. J. Econ. Ent. 44:37-40. Feb. 1951. 421 J822
Most effective control with Exochomus flavipes, Anagyrus kivuensis, and Chrysopa californica.

- 53616 DRAKE, C. J. New neogaeon water-striders (Hemiptera-Veliidae). Biol. Soc. Wash. Proc. 64:75-80. May 14, 1951. 500 W272
New species in Microvelia.
- 53617 EARLEY, D. The fleahopper [*Psallus seriatus*], cotton's worst insect enemy. Tex. Farming & Citricult. 27(10):8-9. Apr. 1951. 80 T31
- 53618 FEDOTOV, D. M., and MAKHOTIN, A. A. Effectiveness of dusting spring wheat fields with a DDT preparation against *Eurygaster integriceps*. (In Russian.) Akad. Nauk SSSR. Dok. 75:887-889. Dec. 21, 1950. 511 P444A
- 53619 FENTON, F. A., and DAHMS, R. G. The 1950 greenbug [*Toxoptera graminum*] outbreak in Oklahoma. J. Econ. Ent. 44:111-112. Feb. 1951. 421 J822
- 53620 FLANDERS, S. E. The role of the ant in the biological control of homopterous insects. Canad. Ent. 83:93-98. Ref. Apr. 1951. 421 C16
Symbiotic relationship.
- 53621 FONT, R. Les pucerons et les moyens de les combattre. Colon Franç. de Tunisie (ser. 7) 44(2193):6; (2194):3-4. Apr. 14-21, 1951. 24 C712
- 53622 FRICK, K. E. The biology of *Microvelia capitata* Guerin, 1857, in the Panama Canal Zone and its role as a predator on anopheline larvae (Veliidae: Hemiptera). Ent. Soc. Amer. Ann. 42:77-100. Mar. 1949. 420 En82
- 53623 GALLO, D. Sugarcane aphids. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:13-20. Jan./Feb. 1951. 9.2 R324
Aphis maidis and *A. sacchari*.
- 53624 GENEUREUX, H. Le DDT peut-il réduire les maladies à virus des pommes de terre? Quebec Soc. Protect. Plants. Rpt. 31:32. Dec. 31, 1950. 464.9 Q3
Aphid vector control.
- 53625 GERHARDT, P. D., and LINDGREN, D. L. A recalcitrant citrus pest [*Coccus pseudomagnoliarum*]. Citrus Leaves 31(5):12-13. May 1951. 80 C492
- 53626 GERHARDT, P. D., and LINDGREN, D. L. Resistance of citricola scale [*Coccus pseudomagnoliarum*] to HCN fumigation. Calif. Citrog. 36:270, 281-282. May 1951. 80 C125
- 53627 GUPTA, B. D., and AVASTHI, P. N. Use of D. D. T. and benzene hexachloride towards the control of sugarcane leaf-hopper (*Pyrilla* spp.) in Uttar Pradesh. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2, sect. 3):24-31. 1951. 65.9 C766
- 53628 HILLS, O. A., and TAYLOR, E. A. Effect of the Say stink bug [*Chlorochroa sayi*] on maturing sugar beet seed. Amer. Soc. Sugar Beet Technol. Proc. 6: 488-490. 1950. 66.9 Am35
- 53629 HILLS, O. A., and TAYLOR, E. A. *Lygus* damage to sugar beet seed in various stages of development. Amer. Soc. Sugar Beet Technol. Proc. 6:481-487. 1950. 66.9 Am35
- 53630 HUBERT, K. Der neueste stand der rübenblattwanzenbekämpfung im Land Sachsen-Anhalt. Deut. Landwirt. 2:181-183. Apr. 1951. 18 D4822
Plesama quadrata.
- 53631 ISLAS S., F. Observaciones sobre la biología de la mosca prieta, *Aleurocanthus woglumi* Ashby. Tierra [México] 6:165-169. Mar. 1951. 8 T445
- 53632 JANSSON, A. Fourth trip to Gotska Sandön. I. (In Swedish.) Ent. Tidskr. 71:199-220. 1950. 421 En891
Hemiptera and Coleoptera collected.
- 53633 KHANNA, K. L., and AGARWALA, S. B. D. Control of *Pyrilla aberrans* Kirby. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1, sect. 2):54-55. 1951. 65.9 C766
- 53634 LAING, F. Chermes v. Psylla (Homoptera). Ent. Mon. Mag. 87:23-27. Jan. 1951. 421 En86
- 53635 LAING, F. The standing of the genus *Pemphigus* Htg. (Hem., Aphididae). Ent. Mon. Mag. 87:108-109. Apr. 1951. 421 En86
- 53636 LALLEMAND, V. Hémiptères Fulgoroidea. Inst. Franç. d'Afrique Noire. Mém. 10:314-315. 1950. 515 D14M
New species and forms in Paropioxys and Hilda.
- 53637 MIDDLEKAUFF, W. W., MICHELbacher, A. E., and BACON, O. G. Aphid control studies in northern California during 1950. Diamond Walnut News 33(3): 10-11. May 1951. 94.69 D34
- 53638 NOTLEY, F. B. A note on *Antestia* control with D. D. T. and bordeaux mixture. East African Agr. J. 16:131-132. Jan. 1951. 24 Ea74
Control of *Antestia* in coffee.
- 53639 O'CONNOR, B. A. Premature nutfall of coconuts in the British Solomon Islands Protectorate. Fiji. Dept. Agr. Agr. J. 21:21-42. Mar./June 1950. 25 F47Ag
Caused by *Amblypelta cocophaga*.
Includes Appendix A, Extract from report to Lever Bros by R. Leach.
- 53640 POISSON, R. Hémiptères aquatiques. Inst. Franç. d'Afrique Noire. Mém. 10:316-317. 1950. 515 D14M
- 53641 SCHUDER, D. L. Studies on the control of the *Taxus* mealybug [*Pseudococcus maritimus*?]. Ind. Acad. Sci. Proc. (1949) 59:210-211. 1950. 500 In2
- 53642 SHARAPOV, V. I. Effect of feeding methods on egg production of *Eurygaster integriceps*. (In Russian.) Zool. Zhur. 30:84-85. Jan./Feb. 1951. 410 R92
- 53643 SLATER, J. A. A key to the nymphs of mid-western Lygaeidae (Hemiptera: Heteroptera). Brooklyn Ent. Soc. B. 46:42-48. Apr. 1951. 420 B79
- 53644 SOUTHGATE, B. J., and WOODROFFE, G. E. Some observations of Hemiptera-Heteroptera in Buckinghamshire. Ent. Mon. Mag. 87:103. Apr. 1951. 421 En86
- 53645 STATUTI, M. Phylloxera of mountain grapes. (In Italian.) Campagnolo 6:19-20. Mar. 1951. 16 C15
- 53646 TURNER, N. Synergism between nicotine and pyrethrum. J. Econ. Ent. 44:106-108. Feb. 1951. 421 J822
Tests with *Oncopeltus fasciatus* (?).
- 53647 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Hall scale [*Nilotaspis halli*]. Washington, 1951? 1 p. 1.967 A2H14
- 53648 USMAN, S. Hopper pest of mango blossoms. Mysore Agr. J. 26:64-65. Jan. 1951. 22 M993
Idiocerus niveosparsus, *I. aktinsoni* and *I. clypealis*.
- 53649 VILLIERS, A. Hémiptères Pyrrhocoridae, Coreidae, Pentatomidae et Coptosomatidae. Inst. Franç. d'Afrique Noire. Mém. 10:322-328. 1950. 515 D14M
Includes new species and forms in *Prionotylus*, *Risbecocoris*, *Stenocephalus*, *Hypselopus*, and *Phricodus*.
- 53650 VILLIERS, A. Hémiptères Reduviidae. Inst. Franç. d'Afrique Noire. Mém. 10:317-321. 1950. 515 D14M
Includes new species in *Reduvius* and *Holotrichius*.
- 53651 WOGLUM, R. S. The citrus black fly [*Aleurocanthus woglumi*] in Mexico. Calif. Citrog. 36:296-297. May 1951. 80 C125
- 53652 WOOD, S. F. Importance of feeding and defecation times of insect vectors in transmission of Chagas' disease. J. Econ. Ent. 44:52-54. Feb. 1951. 421 J822
Triatoma protracta, *T. rubida uhleri*, *T. longipes*, and *Paratriatoma hirsuta*.
- 53653 WOOLLEY, T. A. The circulatory system of the boxelder bug, *Leptocoris trivittatus* (Say). (Abs.) Colo.-Wyo. Acad. Sci. J. 4:80. Oct. 1950. 500 C717

HYMENOPTERA

- 53654 ALLARD, H. A. *Dinoponera gigantea* (Perty), a vicious stinging ant. Wash. Acad. Sci. J. 41:88-90. Mar. 1951. 500 W276J
- 53655 APPANNA, M. *Microbracon hebetor*—an enemy of some crop pests. Mysore Agr. J. 26:66. Jan. 1951. 22 M993
Bred on *Corcyra cephalonica* for use in controlling *Adisura atkinsoni*, *Stenachroa elongella*, and *Sesamia inferens*.
- 53656 BALTHASAR, V. *Opuscula hymenopterologica*. IX. 1-3. (In Czech.) Českoslov. Společnost Ent. Časopis 47:26-38. 1950. 420 C33
Part of text also in French.
- 1, Le problème du genre *Spintharis* Dahlb. (Chrysididae), p. 26-33; 2, Le premier supplément au *Prodromus Chrysididarum* Rei Publicae Českoslovenicae, p. 33-35; 3, Quelques remarques sur les genres *Cerceris* Latr. et *Crabro* F., p. 35-38.
Includes new species in *Chrysis*.
- 53657 BELLAVITE, F. Tenthredinidae and other seasonal pests. (In Italian.) Informatore Agr. 7(6/7):5-6. Apr. 1, 1951. 281.8 In32
Hoplocampa spp.
- 53658 BENOIST, R. Hyménoptères Apidae. Inst. Franç. d'Afrique Noire. Mém. 10:306-313. 1950. 515 D14M
Includes new species in *Nomia* and *Morgania*.
- 53659 BENOIT, P. L. G. Les Sclerogibbidae (Hym.-Acul.) éthiopiens. Rev. de Zool. et de Bot. Africaines 44: 132-134. Dec. 30, 1950. 410 R326
New species in *Sclerogibba*.

- 53660 BENSON, R. B. Proposed validation under the plenary powers of the names "*Acantholyda*" Costa, 1894 (class Insecta, order Hymenoptera) and "*Acanthocnema*" Becker, 1894 (class Insecta, order Diptera). B. Zool. Nomencl. 2:46. Apr. 20, 1951. 410 B874
- 53661 BERLAND, L. Hyménoptères Sphecoidea, Vespoidea, Ichneumonidea. Inst. Franç. d'Afrique Noire. Mém. 10:294-301. 1950. 515 D14M
Includes new species and forms in *Ammophila*, *Bembex*, *Cerceris*, *Stizus*, and *Gasteruption*.
- 53662 BERNARD, F. Hyménoptères Formicidae. Inst. Franç. d'Afrique Noire. Mém. 10:284-294. 1950. 515 D14M
Includes new species and forms in *Messor* and *Crema-togaster*.
- 53663 BOHART, G. E. New North American bees in the genus *Dufourea* (Apoidea-Halictidae). III. Ent. Soc. Amer. Ann. 42:55-62. Mar. 1949. 420 En82
- 53664 BRENY, R., and DETROUX, L. Considérations sur la biologie et la nuisance de *Neodiprion sertifer* Geoffr. et rapport sur les traitements effectués en 1949 dans les plénales de la région de Spa. Parasitica 6:123-138. Ref. 1950. 464.8 P21
English summary.
- 53665 COLE, A. C. A study of the genus *Gesomyrmex* Mayr, and a description of a species new to the genus (Hymenoptera: Formicidae). Ent. Soc. Amer. Ann. 42:71-76. Ref. Mar. 1949. 420 En82
- 53666 DEBACH, P., DIETRICK, E. J., and FLESCHE, C. A. Ants vs. biological control. Citrus Leaves 31(5):8-9, 18, 42. Ref. May 1951. 80 C492
Iridomyrmex humilis and other ants protect citrus pests (*Pseudococcus citri*, *Coccus hesperidum*, *Aonidiella aurantii*, *Paratetranychus citri*) from parasitic attack. Also in Calif. Citrog. 36:312, 347-348. Ref. June 1951. 80 C125
- 53667 ELTON, E. T. G. Control of the common fir leaf wasp (*Diprion pini* L.) by chemical means. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 62:109-117. Apr. 1951. 12 N282
- 53668 ERLANDSSON, S. The genus *Eumenes* Latr. (Hym.) and its species occurring in Sweden. (In Swedish.) Ent. Tidskr. 71:235-242. 1950. 421 En891
- 53669 FLANDERS, S. E. The ant as a citrus pest. Calif. Citrog. 36:267, 281. May 1951. 80 C125
- 53670 FRANSEN, J. J. Tests on the susceptibility of the larvae of *Lygaenematus laricis* Htg. for dusts. (In Dutch.) Nederland. Boschbouw-Tijdschr. 23:33-34. Feb. 1951. 99.8 N28
- 53671 FULLAWAY, D. T. *Apanteles* in Hawaii. Hawaii. Acad. Sci. Proc. 25:7. 1949/50, pub. 1950. 500 H31A
- 53672 GAUL, A. T. Additions to vespine biology. VII. Orientation flight. Brooklyn Ent. Soc. B. 46:54-56. Apr. 1951. 420 B79
- 53673 GEMIGNANI, E. V. Vida y costumbres de algunas hormigas. Campo [Guadalajara] 19(708):45-48, 50, 52, 54. Feb. 28, 1951. 8 G76
- 53674 GRANGER, C. Hyménoptères Braconidae et Ichneumonidae. Inst. Franç. d'Afrique Noire. Mém. 10:283-284. 1950. 515 D14M
- 53675 GUIGLIA, D. Hyménoptères Scoliidae. Inst. Franç. d'Afrique Noire. Mém. 10:301-306. 1950. 515 D14M
- 53676 HELLEN, W. Some remarks on the ichneumonid fauna of Iceland. Ent. Meddel. 25:414-418. 1950. 421 En82
- 53677 HINCKS, W. D. Proposed validation of "*Aphidius*" Nees, 1818 (class Insecta, order Hymenoptera) under the plenary powers. B. Zool. Nomencl. 2:18-20. Apr. 20, 1951. 410 B874
Includes note by E. O. Essig.
- 53678 JANSSEN, A. *Anteon* (Chelognus) *flaviscapus* nov. sp. (Hymen. Bethyridae). Ent. Tidskr. 71:221-222. 1950. 421 En891
- 53679 JANSSEN, A. The gall-flies (Cynipidae) of Iceland; a revision. Ent. Meddel. 25:424-428. (To be cont.) 1950. 421 En82
- 53680 KRUSEMAN, G. Aberrant *Bombus terrestris* (L.). (In Dutch.) Ent. Ber. 13:232. Mar. 1, 1951. 420 N38B
English summary.
- 53681 LINDBERG, H. Notes on the biology of dryinids. Finska Vetensk. Soc. Comm. Biol. 10(15), 19 p. Ref. 1950. 511 H36C
Parasitic Hymenoptera.
- 53682 LITH, J. P. VAN. On the biology of the genus *Psenulus* Kohl (Hym. Sphec.). (In Dutch.) Ent. Ber. 13:211-217. Feb. 1, 1951. 420 N38B
English summary.
- 53683 MAVROMOUSTAKIS, G. A. On the bees (Hymenoptera, Apoidea) of Cyprus. II. Ann. & Mag. Nat. Hist. (ser. 12) 4:334-354. Apr. 1951. 410 An77
New forms in *Eriades*.
- 53684 MENDES, J. A. Influence of bees on increase of productivity. (In Portuguese.) Granja [Lisboa] 9:119-123. Apr./June 1950. 15.5 G76
Pollinators.
- 53685 MOURE, J. S. Notes on *Meliponinae* (Hymenopt. - Apoidea). (In Portuguese.) Dusenía 2:25-70. Jan. 25, 1951. 410 D94
Includes new subgenera *Trigona* (*Ptilotrigona*) and *Paratrigona* (*Aparatrigona*).
- 53686 OLBERG, G. Der grosse und der kleine bienenwolf. Imkerfreund 6:44-46. Feb. 1951. 424.8 Im43
Philanthus tringulum and *Cerceris rhybyensis*.
- 53687 OLBERG, G. Die nester der wilden bienen. Deut. Bienenztg. 6:19-21. Feb. 1, 1951. 424.8 D488
- 53688 PIELOU, D. P., and GLASSER, R. F. Selection for DDT tolerance in a beneficial parasite, *Macrocentrus ancylovorus* Roh. I. Some survival characteristics and the DDT resistance of the original laboratory stock. Canad. J. Zool. 29:90-101. Ref. Apr. 1951. 470 C16D
- 53689 PORTUGAL. REPARTIÇÃO DE SERV. FITOPATOLÓGICOS. A formiga argentina, novo método de combate [The Argentine ant, *Iridomyrmex humilis*; new method of control]. Lisboa, Serviço Editorial da Repartição de Estudos, Informação e Propaganda, 1950. 6 p. 426 P83
- 53690 SHIBUYA, M., and IYATOMI, K. Studies on the utilization of *Trichogramma japonicum*, an egg-parasite of rice stem borer [*Chilo simplex*]. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p. 12-33. Shidzuoka, 1950. 107.6 Sh6Co
- 53691 STELFOX, A. W. Note on *Opius caelatus* Haliday and *O. hians* Stelfox (Hym., Braconidae). Ent. Mon. Mag. 87:113. Apr. 1951. 421 En86
- 53692 STELFOX, A. W., and GRAHAM, M. W. R. DE V. Notes on the genus *Aspilota* (Hym., Braconidae, Alysiinae), with descriptions of five new species. Ent. Mon. Mag. 87:3-7. Jan. 1951. 421 En86
- 53693 STELFOX, A. W. On the identity of *Rhyssalus indagator* Haliday with *Dolops hastifer* and *D. aculeator* Marshall (Hym., Braconidae). Ent. Mon. Mag. 87:90-93. Mar. 1951. 421 En86
- 53694 TINBERGEN, N. Experiments with digger wasps. Country Life [London] 109:1092-1094. Apr. 13, 1951. 80 C83
- 53695 WATANABE, C. A preliminary revision of the genus *Aphrastobracon* Ashmead (Hymenoptera, Braconidae). Hokkaido U. Facul. Agr. J. 48:291-304. Ref. Sept. 1950. 107.6 J273J
See also Apiculture and Apis mellifera.

LEPIDOPTERA

- 53696 ABBOTT, C. H. A quantitative study of the migration of the painted lady butterfly, *Vanessa cardui* L. Ecology 32:155-171. Ref. Apr. 1951. 410 Ec7
- 53697 AGENJO, R. *Acerca de cuatro Cidaria* (sensu latus) descritas de España, de las que dos pasan a sinonimia de las otras y una constituye género nuevo [Hospitalia]. Eos 26:321-339. Ref. July/Dec. 1950. 421 Eo7
New forms in *Perizoma*.
- 53698 ALLAN, P. B. M. Questions without answers. Ent. Rec. & J. Variation 63:42-44. Mar./Apr. 1951. 421 En89
Lepidoptera seen but not caught.
- 53699 AMSEL, H. G. Die Microlepidopteren der Brandt'schen Iran-ausbeute. 2. Arkiv f. Zool. (n.s.) 1:223-257. 1950. 410.9 Sv22
Includes new species in *Ocrisiodes* n.g., *Nephopteryx*, *Phycita*, *Salebria*, *Salebriodes*, *Sefidia*, *Parasefidia* n.g., *Ambesa*, *Pristophora*, *Rhodophaea*, *Tephria*, *Hafisia* n.g., *Bostra*, *Synclera*, *Loxostege*, *Pachyzancla*, *Elbursia* n.g., *Pionea*, *Pyrausta*, and *Titanio*; also *Aproceratia* n.g., and *Rhodophaea* (*Rhodophaeopsis*) n. sgen.
- 53700 ANGELINI, A., and others. Observations faites au cours du traitement aérien d'un verger contre l'hypoménote (*Hyponomeuta* sp.). Parasitica 6:81-87. 1950. 464.8 P21
J. Chevrel, R. Gaumont, and P. Grison, joint authors.

- 53701 ATKINS, E. L., JR. Biology and control of orangeworms. Calif. Citrog. 36:270,288-291. May 1951. 80 C125
Argyrotaenia citrana, Pyroderces rileyi, Holocerca iceryaella, and Platynota stultana.
Similar title in Citrus Leaves 31(5):6-7,28. May 1951. 80 C492
- 53702 ATKINS, E. L., JR. Spray tests on citrus to control fruit tree leaf roller [Archips argyrospila]. J. Econ. Ent. 44:82-87. Feb.1951. 421 J822
- 53703 BERNARDI, G. Lépidoptères Pierididae. Inst. Franç. d'Afrique Noire. Mém. 10:265-267. 1950. 515 D14M
- 53704 BETTS, F. N. On a collection of butterflies from the Balipara frontier tract and the Subansiri area (Northern Assam).- Bombay Nat. Hist. Soc. J. 49:488-502. Dec.1950. 513 B63
- 53705 BISHARA, I. The cotton worm [Prodenia litura] problem. Egypt. Cotton Gaz. 12:43-56. Jan.1951. 72.8 Eg9
- 53706 BOER, S. DE. Bilateral gynandromorph of Lymantria [i.e. Porthetria] dispar L. (In Dutch.) Ent. Ber. 13:236. Mar.1,1951. 420 N38B
- 53707 BONNEMAISON, L., and CAYROL, R. Influence du stade larvaire sur la sensibilité des chenilles de la noctuelle gamma (Phytometra [i.e. Plusia] gamma L. Lep. Noctuidae) à l'action des insecticides. Acad. d'Agr. de France. Compt. Rend. 37:112-114. Jan.24/31,1951. 14 P215Bc
- 53708 BOTTGER, G. T. Sugars and protein in the corn plant as related to nutrition of the European corn borer [Pyrausta nubilalis]. J. Econ. Ent. 44:40-44. Feb. 1951. 421 J822
- 53709 BOURSIN, C. Eine neue Agrotis aus Nord-Persien, Agrotis psammocharis n. sp. Arkiv f. Zool. (n.s.)1:355-356. 1951. 410.9 Sv22
- 53710 BOWMAN, K. An annotated list of the Lepidoptera of Alberta. Canad. J. Zool. 29:121-165. Ref. Apr.1951. 470 C16D
- 53711 BRADLEY, J. D., COLLINS, R. J., and FLETCHER, D. S. Lépidoptères nocturnes. Inst. Franç. d'Afrique Noire. Mém. 10:270-272. 1950. 515 D14M
- 53712 BRYK, F. Geographische und individuelle variabilität der sphragisbildungen (Lepidoptera: Parnassidae). Ent. Tidskr. 71:230-232. 1950. 421 En891
- 53713 BRYK, F. Parallele zuegrichtung bei schmetterlingen und vögeln im Stockholmer Scherenhofe. Ent. Tidskr. 71:177-178. 1950. 421 En891
- 53714 CARON, J. R. Bembecia hylaeiformis Lasp. (In Dutch.) Ent. Ber. 13:224. Feb.1,1951. 420 N38B
- 53715 CHABOUSSOU, F., MOUTOUS, G., and ROEHRICH, R. Essais de protection des cultures fruitières contre le carpocapse (Laspeyresia [i.e. Carpocapsa] pomonella L.) et contre la tordeuse du pêcher (Laspeyresia [i.e. Grapholitha] molesta Busk) en 1950, dans le sud-ouest de la France. Acad. d'Agr. de France. Compt. Rend. 37:88-93. Jan.24/1951. 14 P215Bc
- 53716 CHANNABASAVANNA, G. P. The 'sural puchi' (leaf miner) [Stomopteryx nerteria] of groundnut. Mysore Agr. J. 26:67-68. Jan.1951. 22 M993
- 53717 CHUGUNIN, I. A. V. Coincident mass outbreak of various caterpillars of the leaf-eating complex [on oak]. (In Russian.) Zool. Zhur. 30:63-65. Jan./Feb. 1951. 410 R92
- 53718 CLARKE, J. F. G. New species of Gelechiidae from Argentina (Lepidoptera). Wash. Acad. Sci. J. 41: 140-142. Apr.1951. 500 W276J
In Parastega and Aristotelia.
- 53719 COCKAYNE, E. A. Aberrations of British Macrolepidoptera. Ent. Rec. & J. Variation 63:30-33. Mar./Apr.1951. 421 En89
New forms in Tethea, Asphalia, Achlya, Polyplocia, Harpyia, Drymonia, Notodonta, Clostera, and Dasychira.
- 53720 COCKAYNE, E. A. A gynandromorph of Melanthia procellata Schiff. Ent. Rec. & J. Variation 63: 46. Mar./Apr.1951. 421 En89
- 53721 CORBET, A. S. Proposed use of the plenary powers to suppress the trivial name "ajax" Linnaeus, 1758 (as published in the binominal combination "Papilio ajax") commonly but incorrectly applied to the species named "Papilio marcellus" by Cramer in 1777 (class Insecta, order Lepidoptera). B. Zool. Nomencl. 2:26-29. Apr.20,1951. 410 B874
- 53722 DANNREUTHER, T. Migration records, 1950. Entomologist 84:85-90. (To be cont.) Apr.1951. 421 En8 Lepidoptera.
- 53723 DAVIAULT, L. Les parasites de la tordeuse des bourgeons de l'épinette (Choristoneura fumiferana Clem.) dans la Province de Québec. Quebec Soc. Protect. Plants. Rpt. 31:41-45. Dec.31,1950. 464.9 Q3
- 53724 DEURS, W. VAN. New butterflies for the Danish fauna. (In Danish.) Ent. Meddel. 25:406-407. 1950. 421 En82
- 53725 DICKINSON, H. Will it pay to spray for [Pyrausta nubilalis] borers? Successful Farming 49(5):49, 142,144-145. May 1951. 6 Su12
- 53726 DOETS, C. Notes on Lepidoptera, 1949. Ent. Ber. 13:163-167. Nov.1,1950. 420 N38B
Netherlands.
- 53727 DUNK, H. C. The change in distribution of Melanargia galathea. Entomologist 84:94. Apr.1951. 421 En8
- 53728 ESHBAUGH, E. L. Codling moth [Carpocapsa pomonella] control in Kansas during 1949. Kans. State Hort. Soc. Bien. Rpt. 50:124-126. 1950. 81 K13
- 53729 ESHBAUGH, E. L. Codling moth [Carpocapsa pomonella] control in northeast Kansas during 1948. Kans. State Hort. Soc. Bien. Rpt. 50:38-41. 1950. 81 K13
- 53730 EYNDHOVEN, G. L. VAN. The work of butterfly collecting in the hunting preserve. (In Dutch.) Ent. Ber. 13:226. Mar.1,1951. 420 N38B
- 53731 FEARNEHOUGH, T. D. Pupae of Heodes phlaeas L. in winter. Ent. Rec. & J. Variation 63:47-48. Mar./Apr.1951. 421 En89
- 53732 FINNIGAN, W. J. Feeding habits of the larvae of Stauropros fagi L. Ent. Rec. & J. Variation 63:50. Mar./Apr.1951. 421 En89
- 53733 FRANZEN, R., and HESS, K. P. The effectiveness of certain mothproofing treatments on selected wool fabrics and their permanence to light and cleaning. J. Home Econ. 43:362-367. May 1951. 321.8 J82
- 53734 GOODSON, A. L. The colour forms of Colias croceus ab. helice Hübner. Ent. Rec. & J. Variation 63: 47. Mar./Apr.1951. 421 En89
- 53735 GREGOR, F., and POVOLNÝ, D. The genus Pleurota Hb. in Moravia. (Lep. Gelechiidae). Ceskoslov. Společnost Ent. Casopis 47:36-41. 1950. 420 C33
- 53736 GREGOR, F., and POVOLNÝ, D. Sur quelques Lépidoptères intéressants de la Tchécoslovaquie. (In Czech.) Ceskoslov. Společnost Ent. Casopis 47:166-168. 1950. 420 C33
French summary.
- 53737 GUNDERSON, H. Borer [Pyrausta nubilalis] control paid again in 1950. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:153-154. Apr.1951. 275.28 Io94
- 53738 GUPTA, B. D. A resume of the trials conducted during 1941-44 with Trichogramma evanescens minutum Riley against the stem borer Argypria sticticraspis Hampsn. and root borer Emmalocera depressella Swinh, in the Uttar Pradesh. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.3):15-23. Ref. 1951. 65.9 C766
- 53739 HANSON, B. On backward flight in Gonepteryx rhamni L. (Lep.). (In Swedish.) Ent. Tidskr. 71:223-224. 1950. 421 En891
- 53740 HARDY, G. H. The courtship of Euploea corinna Macleay (Lep. Danaidae). Ent. Mon. Mag. 87:8-9. Jan.1951. 421 En86
- 53741 HARPER, G. W. On breeding Polygonia c-album. Entomologist 84:77. Apr.1951. 421 En8
- 53742 HARRISON-GRAY, M. Tropical moths in a London flat. Country Life [London] 109:468-469. Feb.16,1951. 80 C83
- 53743 HEMMING, F. On the proposal that the trivial name "ajax" Linnaeus, 1758 (as published in the binominal combination "Papilio ajax") should be suppressed by the International Commission on Zoological Nomenclature under its plenary powers. B. Zool. Nomencl. 2:29-30. Apr.20,1951. 410 B874
- 53744 HIBBS, E. T., and WEAVER, C. R. A field test of some organic insecticides for control of the armyworm [Cirphis unipuncta]. J. Econ. Ent. 44:122. Feb. 1951. 421 J822
- 53745 HILL, R. E., and MUMA, M. H. Chlorinated chemical control of the sandhill cutworm [Euxoa detersa]. J. Econ. Ent. 44:90-92. Feb.1951. 421 J822
Corn pest.
- 53746 HYDE, G. E. British butterflies. London, 1950. 96 p. (Black's Young Nat. Ser.) 430 H99
- 53747 HYDE, G. E. Some winter moths. Country Life [London] 109:332-333. Feb.2,1951. 80 C83
- 53748 IYER, S. R., KRISHNAMOORTHY, C., and BASHEER, M. Biological control of the early shoot borer of sugarcane-Argyria (Proceros) sticticraspis H. by Trichogramma minutum Riley in the Madras State (South India). Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.3):31-41. Ref. 1951. 65.9 C766

- 53749 KOMÁREK, O. La contribution à la connaissance de la faune lépidoptérologique de la Bohême du Nord-Est, avec les diagnoses de deux formes nouvelles. (In Czech.) Českoslov. Společnost Ent. Časopis 47:41-45. 1950. 420 C33
French summary.
New forms in *Hemithea* and *Cidaria*.
- 53750 KOMÁREK, O. Contribution aux connaissances écologiques de *Limenitis populi* L. (Lep. - Nymph.) (In Czech.) Českoslov. Společnost Ent. Časopis 47:168-177. Ref. 1950. 420 C33
French summary.
- 53751 KOONTZ, L. L. Electric light traps reduce tobacco worms. *Elect. World* 135(19):134. May 7, 1951. 335.8 EL2
Protoparce sexta.
- 53752 LEMPKE, B. J. Ten years migratory butterfly research in Netherlands. (In Dutch.) *Ent. Ber.* 13: 227-232. Mar. 1, 1951. 420 N38B
English summary.
- 53753 MCELVARE, R. R. Notes on *Heliothiinae*—more recent records of rare species. *Brooklyn Ent. Soc. B.* 46:51. Apr. 1951. 420 B79
- 53754 MACKAY, M. R. Species of *Eupithecia* reared in the Forest Insect Survey in British Columbia (Lepidoptera: Geometridae). *Canad. Ent.* 83:77-91. Apr. 1951. 421 C16
- 53755 MILES, P. M. Some Welsh records of Lepidoptera including migrants. *Ent. Mon. Mag.* 87:18. Jan. 1951. 421 En86
- 53756 NEPVEU, P. La chenille à fourreau de l'asperge (*Hypopta caestrum* Hubner) dans les aspergeraies de Vaucluse: dégâts et biologie. *Acad. d'Agr. de France. Compt. Rend.* 37:132-133. Feb. 7/14, 1951. 14 P215Bc
- 53757 NEPVEU, P., and BENAS, G. La chenille à fourreau de l'asperge (*Hypopta caestrum* Hubner) dans les aspergeraies de Vaucluse. Moyens pour la détruire. *Acad. d'Agr. de France. Compt. Rend.* 37:134-135. Feb. 7/14, 1951. 14 P215Bc
- 53758 NEWTON, J. Notes on Lepidoptera in the Tebury (Glos.) area, 1950. *Ent. Rec. & J. Variation* 63: 52-53. Mar./Apr. 1951. 421 En89
- 53759 ORTEGA, J. C. Codling moth [*Carpocapsa pomonella*] control in southern California. DDT or basic lead arsenate recommended, with addition of aphicide if needed. *Diamond Walnut News* 33(3):4-6. May 1951. 94.69 D34
- 53760 PACLT, J. A new family name in Lepidoptera. *Ent. Ber.* 13:219-220. Feb. 1, 1951. 420 N38B
Tethidae to replace Palimpestidae (= *Cymatophoridae*, *Thyatiridae*, *Polyplocidae*).
- 53761 PACLT, J., and SMELHAUS, J. On the representative of the genus *Philotes* Scudd. in Czechoslovakia. (Lep. *Lycaenidae*.) (In Czech.) Českoslov. Společnost Ent. Časopis 47:45-47. 1950. 420 C33
English summary.
- 53762 PASTRANA, J. A. Una nueva peste en Araucarias de Misiones (República Argentina) "Lepidoptera-Grapholitidae." *Argentina. Dir. Gen. de Invest. Agr. Rev. de Invest. Agr.* 4:243-244. Apr. 1950. 9 R329
Laspeyresia araucariae.
- 53763 PATOCKA, J. La chrysalide de la géometride *Theraps evonymaria* Schiff. (Lep.). (In Czech.) Českoslov. Společnost Ent. Časopis 47:58-60. 1950. 420 C33
French summary.
- 53764 RAMACHANDRACHARI, C. Loss due to internodal borers. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.3):5-7. 1951. 65.9 C766
Argyria sticticrasis and *Diatraea venosata*.
- 53765 REDGRAVE, A. C. R. Rearing larvae of *Aegeria sphecoformis* Schiff. *Ent. Rec. & J. Variation* 63: 48-49. Mar./Apr. 1951. 421 En89
- 53766 REID, W. Lepidoptera collecting notes, 1950. *Ent. Rec. & J. Variation* 63:33-36. (Cont.) Mar./Apr. 1951. 421 En89
England.
- 53767 REID, W. Records of a moth trap in Sheffield, 1950. *Entomologist* 84:78-82. Apr. 1951. 421 En8
- 53768 ROEPKE, W. *Tischeria complanella* Hb. (In Dutch.) *Ent. Ber.* 13:240. Mar. 1, 1951. 420 N38B
- 53769 RUI, D. Corn pyralid [*Pyrausta nubilalis*] and the necessity for its control. (In Italian.) *Informatore Agr.* 7(6/7):5. Apr. 1, 1951. 281.8 In32
- 53770 SCHWARZ, R. Sur la polyphagie de *Coleophora oporordiella* Z. (In Czech.) Českoslov. Společnost Ent. Časopis 47:177-186. 1950. 420 C33
French summary.
- 53771 SLABÝ, O. The copulatory organs of a gynandromorphous *Argynnis paphia* L. and discussion about its development (Lep. Rhop.). (In Czech.) Českoslov. Společnost Ent. Časopis 47:81-95. Ref. 1950. 420 C33
English summary.
- 53772 SLABÝ, O. *Erebia medusa* Fabr. from eastern Slovakia. (Lep. Satyr.). (In Czech.) Českoslov. Společnost Ent. Časopis 47:48-52. 1950. 420 C33
English summary.
- 53773 SMITH, E. H. Peach tree borers [*Sannioidea exitiosa*] and their control. *Farm Res.* [N. Y. State Sta.] 17(2):12-13. Apr. 1951. 100 N48A
- 53774 STALLWOOD, B. R. The 1950 season in Surrey and South Middlesex. *Entomologist* 84:93-94. Apr. 1951. 421 En8
Lepidoptera collecting.
- 53775 STARNES, O. The corn earworm [*Heliothis armigera*] in 1951. *N. J. State Hort. Soc. Hort. News* 32:2361, 2368-2369, 2371. Mar. 1951. 81 N46
- 53776 STEMPPFFER, H. Lépidoptères *Lycaenidae*. *Inst. Franç. d'Afrique Noire. Mém.* 10:269-270. 1950. 515 D14M
- 53777 STEPHENS, D. C. R. Butterfly records, 1950. *Blundell's Sch. Sci. Soc. Mag.* 5:11-16. 1950. 410 B62
- 53778 STEPHENS, D. C. R. Variations in the sex ratio of the meadow brown butterfly *Maniola jurtina*. *Blundell's Sch. Sci. Soc. Mag.* 5:41-46. 1950. 410 B62
- 53779 STROYAN, H. L. G. Spiders and *Melittaea aethalia*. *Entomologist* 84:91-92. Apr. 1951. 421 En8
- 53780 TRONÍČEK, E. Sur le mouvement des papillons éclos, spécialement de l'espèce *Brachionycha nubeculosa* esp. (Lepid. Noct.). (In Czech.) Českoslov. Společnost Ent. Časopis 47:186-192. 1950. 420 C33
French summary.
- 53781 VILLIERS, A. Lépidoptères *Danaidae* et *Nymphalidae*. *Inst. Franç. d'Afrique Noire. Mém.* 10:268. 1950. 515 D14M
- 53782 VLACH, V. Contribution à la connaissance de la faune lépidoptérologique de la Bohême. (In Czech.) Českoslov. Společnost Ent. Časopis 47:60-61. 1950. 420 C33
French summary.
- 53783 VLACH, V. Further new discoveries of Microlepidoptera from Bohemia. (In Czech.) Českoslov. Společnost Ent. Časopis 47:192-195. 1950. 420 C33
- 53784 WAGLE, P. V. Army worm on sugarcane [*Cirphis* sp.]. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.3):12-13. 1951. 65.9 C766
- 53785 WAGLE, P. V. The top shoot borer of sugarcane [*Scirpophaga nivella*] in Bombay State and its control by mechanical methods. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.3):3-5. 1951. 65.9 C766
- 53786 WAKELY, S. Occurrence of *Mompha nodicollis* Fuchs in Surrey. *Ent. Rec. & J. Variation* 63:49-50. Mar./Apr. 1951. 421 En89
- 53787 WALTON, W. R., and PACKARD, C. M. The armyworm [*Cirphis unipuncta*] and its control. *U. S. D. A. Farmers' B.* 1850, slightly rev., 10 p. Mar. 1951. 1 Ag84F
Supersedes *Farmers' Bulletin* 731.
- 53788 WARREN, B. C. S. *Erebia semio* Grun-Grshimailo: a species distinct from *Erebia fasciata* Butler (Lepidoptera, Satyridae). *Entomologist* 84:73-77. Apr. 1951. 421 En8
- 53789 WILLE, J. E. Biological control of certain cotton insects [chiefly *Heliothis virescens*] and the application of new organic insecticides in Perú. *J. Econ. Ent.* 44:13-18. Feb. 1951. 421 J822
- 53790 WILSUND, E., and others. Five new Danish butterflies from 1949: 3 noctuids (*Cucullia fraudatrix* Ev., *Sedina büttneri* Her., *Tarache luctuosa* Schiff.) and 2 pyralids (*Selagia argyrella* Schiff., *Pyrausta perlucidalis* Hb.). (In Danish.) *Ent. Meddel.* 25:409-413. 1950. 421 En82
J. Lundqvist, J. C. Jensen, and W. van Deurs, joint authors.
- 53791 WISHART, G. Biological control of the European corn borer [*Pyrausta nubilalis*]. *Quebec Soc. Protect. Plants. Rpt.* 31:48-49. Dec. 31, 1950. 464.9 Q3
- 53792 WOLFF, N. L. *Crambus bonifatellus* Hulst, an unexpected component of the lepidopterous fauna of Greenland. *Ent. Meddel.* 25:421-424. 1950. 421 En82
- 53793 ZIMMERMAN-GRISS, S. The lettuce moth. (*Phalonia contractana* Z. Tortricidae, Lepidoptera.). (In Hebrew.) *Hassadeh* 31:300-302. Mar. 1951. 26 H27
See also Sericulture and the Silkworm.

ORTHOPTERA

53794 ALEXANDER, G. Seasonal lag in development of Colorado grasshoppers as conditioned by altitude. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:81. Oct.1950. 500 C717

53795 BOLLOW, H. Die säbelschrecke [Sanna imperialis]. Orion 6:161. Feb.2,1951. 474 Or4

53796 BURR, M. Orthoptera, & c. Ent. Rec. & J. Variation 63:54-55. Mar./Apr.1951. 421 En89

The coloration of grasshoppers. Mantids aware of their background. The common earwig [Forficula auricularia] double-brooded. Mite [Histiotoma polypori] infestation of common earwig.

53797 CHOPARD, L. Orthoptéroïdes. Inst. Franç. d'Afrique Noire. Mém. 10:127-145. 1950. 515 D14M
Includes new species in Temnopteryx, Oxyothrips, Tylopsis, Paratettix, Oedaleus, and Sphingonotus.

53798 FLINT, O. S., JR. A new cockroach record for the United States. Brooklyn Ent. Soc. B. 46:53. Apr.1951. 420 B79

Ectobius lividus.

53799 GAINES, J. C., and HANNA, R. L. Grasshopper control. J. Econ. Ent. 44:116-117. Feb.1951. 421 J822

Insecticide tests with Melanoplus differentialis.

53800 GOUSTARD, M. Sur le comportement de Blattella germanica dans quelques bandes du spectre. Experientia 7:156-160. Apr.15,1951. 475 Ex7

53801 GURNEY, A. B. Proposed use of the plenary powers to validate the terms "Tettigonia" and "Acrida" (class Insecta, order Orthoptera) as subgeneric names as from Linnaeus, 1758 (application submitted in response to the invitation given in "Opinion" 124). B. Zool. Nomencl. 2:106-111. Apr.20,1951. 410 B874

With comments by W. E. China (regarding Tettigonia Geoffroy), R. G. Fennah, and B. P. Uvarov.

53802 HEMMING, F. First report on matters left unsettled in "Opinion" 124, in relation to the status of the terms used by Linnaeus in 1758 to denote subdivisions of genera established in the 10th edition of the "Systema Naturae;" the subdivisions of the genus "Gryllus" Linnaeus, 1758 (class Insecta, order Orthoptera). B. Zool. Nomencl. 2:112-118. Apr.20,1951. 410 B874

Mantis, Acrida, Bulla, Acheta, Tettigonia, and Locusta, as used by Linnaeus; Tettigonia Geoffroy.

53803 HOLBROOK, F. Taste sensitivity of grasshoppers to sugars. (Abs.) Colo.-Wyo. Acad. Sci. J. 4: 81. Oct.1950. 500 C717

Melanoplus mexicanus.

53804 HOPF, H. S. The toxicity of certain contact insecticides to the African migrating locust [Locusta migratoria migratorioides]. Internatl. Cong. Crop Protect. Abs. Commun. 2:26. 1949. 464.9 In832

53805 HUSSAINY, S. A. Choroedocus illustris Walk: a potential pest of sugarcane. Conf. Sugarcane Res. Work. Indian Union. Proc. 1(2,sect.3):13-15. Ref. 1951. 65.9 C766

53806 JAMES, H. G. Pre-diapause development in the eggs of Mantis religiosa L. Quebec Soc. Protect. Plants. Rpt. 31:52-58. Dec.31,1950. 464.9 Q3

53807 MCBEAN, D. S., and PLATT, A. W. Differential damage to barley varieties by grasshoppers. Sci. Agr. 31:162-175. Ref. Apr.1951. 7 Sci2

53808 MARQUEZ DELGADO, A. Resultados del ensayo realizado sobre chapulines con diversos insecticidas. 2. Chapingo 4:553-557. July 1950. 102 C36

53809 MITCHENER, A. V. Aldrin and dieldrin compared as grasshopper poisons. J. Econ. Ent. 44:66-70. Feb.1951. 421 J822

Tests with Camnula pellucida, Melanoplus bivittatus, and M. mexicanus mexicanus.

53810 MORRISON, C. The song of the cricket. Country Life [London] 109:269. Jan.26,1951. 80 C83

53811 NOLAND, J. L., LILLY, J. H., and BAUMANN, C. A. A laboratory method for rearing cockroaches, and its application to dietary studies on the German roach [Blattella germanica]. Ent. Soc. Amer. Ann. 42:63-70. Ref. Mar.1949. 420 En82

53812 PIQUETT, P. G., and BOWEN, C. V. Effect of abrasive diluents on the toxicity of lindane to the American cockroach [Periplaneta americana]. J. Econ. Ent. 44:118-119. Feb.1951. 421 J822

53813 PRINCIS, K. Entomological results from the Swedish Expedition 1934 to Burma and British India; Blattariae collected by René Malaise. Arkiv f. Zool. (n.s.)1:203-222. Ref. 1950. 410.9 Sv22

Includes new species in Chorisonura, Audreia, Rhabdoblatta, Blattella, and Symptloce; also new genera Eublattella and Mopserina.

53814 RICCI, M. Notes on the biology of Blatta orientalis, L. (In Italian.) Riv. di Parassitol. 11:219-231. Dec.1950. 436.8 R52

English summary.

53815 SCHIUMA, R. Los estudios biológicos como base fundamental para la lucha contra la "tucura." Cien. e Invest. 7:10-15. Ref. Jan.1951. 475 C482

Dichroplus maculipennis in Argentina.

53816 UVAROV, B. P. Locust research and control 1929-1950. Gt. Brit. Colon. Off. Colon. Res. P. 10,67 p. 1951. 330.9 G7973C

53817 UVAROV, B. P. World battle against locusts. Allahabad Farmer 25(1):18-24. Jan.1951. 22 AL5

53818 WAKELAND, C. Changing problems and procedures in grasshopper and mormon cricket [Anabrus simplex] control. J. Econ. Ent. 44:76-82. Feb.1951. 421 J822

53819 WHITE, M. J. D. A cytological survey of wild populations of Trimerotropis and Circotettix (Orthoptera, Acrididae). II. Racial differentiation in T. sparsa. Genetics 36:31-53. Ref. Jan.1951. 442.8 G28

53820 YORK, G. T. Oviposition by the two-striped grasshopper [Melanoplus bivittatus] in a strip-farming area. J. Econ. Ent. 44:119-120. Feb.1951. 421 J822

SERICULTURE AND THE SILKWORM

53821 CHRISTODOULOU, P. Notes on sericulture. Countryman [Nicosia] 5(3):17. Mar.1951. 25 C83

53822 DEMIANOVSKIĬ, S. ĬA., and FILIPPOVICH, ĬU. B. Relationship of proteins and amino acids of the hemolymph with the synthesis of silk proteins in the organism of the oak silkworm, Antheraea pernyi G. (In Russian.) Biokhimiĭa 15:437-443. Ref. Sept./Oct.1950. 385 B523

53823 HOLEC, E. Bauanleitung für aufzuchtgeräte. Österr. Kleintierzüchter 1951:907-908. Feb.1951. 49 Os7

For silk-worm culture.

53824 MOROHOSHI, S. Kaiko no seiri iden [Physiological heredity of the silk-worm]. Tokyo, Meibundo, 1950. 156 p. 425 M822

53825 OVANESĬAN, T. T. On the form of hemolymph cells of mulberry silkworm [Bombyx mori] caterpillars during various physiological conditions of the organism. (In Russian.) Zool. Zhur. 30:86-88. Jan./Feb.1951. 410 R92

53826 TARTUFOLI. Is the shade of the mulberry turning gold again? (In Italian.) Terra e Sole 104:137-140. Apr.1951. 16 T273

Outlook for Italian sericulture.

53827 VALENTINI, M. Prospects for sericulture. (In Italian.) Terra [Firenze] 62(14):1. Apr.8,1951. 16 T274

Italy.

53828 ZELLER, G. Die neuzzeitliche aufzucht der seidenraupe als nebenerwerb. Leipzig, Hachmeister & Thal, 1950. 64 p. (Lehrmeister-Bücherei Nr. 363/64) 425 Z3

SMALLER ORDERS

53829 BEATTY, G. H., III. Odonate bionomics. I. Notes on the food of dragonflies. 1. Odonata vs. ants and bees. Brooklyn Ent. Soc. B. 46:29-38. Ref. Apr.1951. 420 B79

53830 BROWNELL, L. W. Dobson fly—insect of many aliases. Nat. Mag. 44:195-196. Apr.1951. 409.6 N214

Corydalis cornutus.

53831 CASS, L. M. Outbreak of a springtail, Achorutes nivicolus Fitch, at Ottawa. Canad. Ent. 83:107. Apr.1951. 421 C16

53832 CLAY, T. A preliminary survey of the distribution of the Mallophaga ('feather lice') on the class Aves (birds). Bombay Nat. Hist. Soc. J. 49:430-443. Ref. Dec.1950. 513 B63

53833 CORRIGAN, M. J. Reactions of nymphs of the may-flies Ecdyonurus venosus and Ephemerella sp. to various ecological factors. Blundell's Sch. Sci. Soc. Mag. 5:32-40. 1950. 410 B62

53834 EDWARDS, B. A. B. A study of the Tasmanian Psocoptera with descriptions of new species. Roy. Soc. Tasmania. Papers & Proc. 1949:93-134. Ref. 1950. 514 H65

New species and forms in Clematostigma, Tricladellus, Philotarsus, Trichopsocus, Peripsocus, Interpsocus n.g., and Caecilius.

53835 EICHLER, W. Grenzfälle der parasiten-differenzierung II. Esel- und pferdelaus. Monatsh. f. Vetmed. 6:76. Feb.15,1951. 41.8 M742

Haematopinus asini macrocephalus and H. asini asini.

- 53836 EMERSON, K. C. A list of Mallophaga from gallinaceous birds of North America. *J. Wildlife Managt.* 15:193-195. Apr.1951. 410 J827
- 53837 FOUNTAIN, H. C. Two cases of heavy infestation of small mammals by fleas and acari. *Ent. Mon. Mag.* 87:1-2. Jan.1951. 421 En86
Mole and mouse.
- 53838 FRASER, F. C. Odonata and Neuroptera. *Inst. Franç. d'Afrique Noire. Mém.* 10:108-126. 1950. 515 D14M
Includes new species in Palpares, Ceuta, Myrmecaelurus, Formicaleon, Myrmeleon, and Creoleon.
- 53839 GEYER, J. W. C. The reproductive organs of certain termites, with notes on the hermaphrodites of Neotermes. *Union So. Africa. Dept. Agr. Ent. Mem.* 2: 233-325. Ref. 1951. 423.92 So8
- 53840 GHANI, M. A., and SWEETMAN, H. L. Ecological studies of the book louse, *Liposcelis divinatorius* (Müll.). *Ecology* 32:230-244. Ref. Apr.1951. 410 Ec7
- 53841 GISIN, H. Proposed addition to the "Official list of generic names in zoology" of the names of thirteen genera in the order Collembola (class Insecta). *B. Zool. Nomencl.* 2:56-58. Apr.20,1951. 410 B874
Actaletes, Bourletiella, Cyphoderus, Isotoma, Isotomurus, Lepidocyrtus, Neelus, Onychiurus, Orchesella, Paronella, Sminthurides, Sminthurus, and Tullbergia.
- 53842 GOTO, H. E. A species of Collembola [*Mesachorutes libyca*] new to the British Isles. *Ent. Mon. Mag.* 87:28-29. Ref. Jan.1951. 421 En86
- 53843 HEMMING, F. On the relative merits of the generic names "*Ctenopsyllus*" Kolenati, 1863, and "*Leptopsylla*" Jordan and Rothschild, 1911, as the generic name of the house-mouse flea (class Insecta, order Siphonaptera). *B. Zool. Nomencl.* 2:22-25. Apr.20, 1951. 410 B874
- 53844 HOPKINS, G. H. E. Stray notes on Mallophaga. *XI. 89-94. Ann. & Mag. Nat. Hist. (ser.12)4:371-377. Apr.1951. 410 An77*
89, Mallophaga and the phylogeny of their hosts; 90, The identity of *Phagopterus columbae* Freire and Duarte [nymph of *Columbicola columbae*]; 91, The host-distribution of *Quadriceps houri* Hopkins; 92, The host of *Saemundssonina uppalensis* (Rudow), 1870; 93, The identities of three forms described by Kellogg and Kuwana [*Brüella galapagensis*; *B. chelydensis* n.n.]; 94, Emendation of the name *Saemundssonina clayi* Hopkins, 1949.
- 53845 JORDAN, K. On the question of the availability of the generic name "*Leptopsylla*" Rothschild & Jordan, 1911 (class Insecta, order Siphonaptera). *B. Zool. Nomencl.* 2:21-22. Apr.20,1951. 410 B874
- 53846 JORDAN, K. Siphonapteres. *Inst. Franç. d'Afrique Noire. Mém.* 10:282-283. 1950. 515 D14M
- 53847 KEMP, P. B. The susceptibility of wood to termite attack. *East African Agr. J.* 16:122-123. Jan. 1951. 24 Ea74
- 53848 KIMMINS, D. E. *Apatidea inornata* (Wallengren) and *A. auricula* (Forsslund) (Trichoptera). *Ann. & Mag. Nat. Hist. (ser.12)4:410-416. Apr.1951. 410 An77*
- 53849 KING, J. E. The European earwig [*Forficula auricularia*] in the Province of Quebec. *Quebec Soc. Protect. Plants. Rpt.* 31:130-133. Dec.31,1950. 464.9 Q3
- 53850 LAIRD, M. The occurrence of *Leptomonas ctenocephali* (Fantham, 1912) (Protozoa: Protomonadina) in the intestine and malpighian tubules of the cat flea, *Ctenocephalides felis* (Bouche, 1835), in New Zealand. *Roy. Soc. New Zeal. Trans. & Proc.* 78:476-478. Ref. Nov.1950. 514 W46
- 53851 LONGFIELD, C. "The dragonflies of the British Isles, 1949." Addenda. *Entomologist* 84:83-84. Apr.1951. 421 En8
- 53852 MACNEILL, N. The dragonfly *Erythromma najas* (Hansemann) "the red-eyed damselfly" (Odonata—Zygoptera—Coenagrutiidae). *Irish Nat. J.* 10:122-125. Jan.1951. 410 Ir42
- 53853 MAYNARD, E. A. A monograph of the Collembola or springtail insects of New York State. *Ithaca, N. Y., Comstock*, 1951. 339 p. Ref. 432.5 M45
New species and forms in *Podura*, *Hypogastrura*, *Pseudachorutes*, *Folsomia*, *Metisotoma*, *Semicerura* n.g., *Tomocerus*, *Entomobrya*, *Isotobryoides* n.g., *Willowsia*, *Lepidocyrtus*, *Orchesella*, *Neelus*, *Sminthurides*, *Sminthurinus*, *Boutletiella*, *Sminthurus*, *Dicyrtomina*, *Dicyrtoma*, and *Ptenothrix*; also *Katiannina* n.g.
- 53854 NEW SOUTH WALES DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. The gladiolus thrips (*Taeniothrips simplex*). *Agr. Gaz. N. S. Wales* 62:92-94. Feb.1,1951. 23 N472
- 53855 NIELSEN, A. Notes on the genus *Apatidea* MacLachlan, with descriptions of two new and possibly endemic species from the springs of Himmerland. *Ent. Meddel.* 25:384-404. Ref. 1950. 421 En82
- 53856 NYHOLM, T. On a knowledge of the Swedish Copeognatha fauna. 1. Two species of the genus *Peripso-cus* Hagen new to our fauna. (In Swedish.) *Ent. Tidskr.* 71:194-198. 1950. 421 En891
German summary.
- 53857 PARK, O. A notable aggregation of *Collembola*. *Ent. Soc. Amer. Ann.* 42:7-9. Mar.1949. 420 En82
Achorutes bengtssoni.
- 53858 PEARMAN, J. V. Additional species of British Psocoptera. *Ent. Mon. Mag.* 87:84-89. Mar.1951. 421 En86
Includes new species in *Troctes* and *Peripsocus*.
- 53859 REHN, J. W. H. Correction to notes on some aquatic insects of the Brandywine Creek drainage, Chester County, Pennsylvania. *Ent. News [Philadelphia]* 62:138-139. Apr.1951. 421 En88
Odonata, Ephemera, and Trichoptera.
- 53860 ROSS, E. S. Three new African Embiidæ (Embiopoda). *Ann. & Mag. Nat. Hist. (ser.12)4:381-389. Apr.1951. 410 An77*
New species in *Embia*, *Donaconethis*, and *Parachirembia*.
- 53861 ROSS, H. H. The Trichoptera of Lower California. *Calif. Acad. Sci. Proc.* 27:65-75. Mar.7,1951. 500 C12P
Includes new species in *Rhyacophila*, *Chimarra*, and *Notiomyia*.
- 53862 SANTOS, N. D. DOS, *Oligoclada calverti* n. sp. (Odonata: Libellulidae). *Ent. News [Philadelphia]* 62:135-137. Apr.1951. 421 En88
- 53863 SCHMIDT, E. Sclerotizations in the lateral body wall of the nymphal abdomen in Odonata. *Ent. News [Philadelphia]* 62:125-134. Ref. Apr.1951. 421 En88
- 53864 SMIT, F. G. A. M. A new flea from Madagascar. *Ann. & Mag. Nat. Hist. (ser.12)4:407-409. Apr. 1951. 410 An77*
In *Dinopsyllus*.
- 53865 SUBBIAH, M. S. Certain preliminary studies in the control of cardamom thrips [*Taeniothrips cardamomi*]. *Indian Farming* 11:183-187. May 1950. 22 In283
- 53866 TIMMERMAN, G. Investigations on some ischnoceran bird lice (genus *Saemundssonina*) parasitic on waders. *Ann. & Mag. Nat. Hist. (ser.12)4:390-401. Apr.1951. 410 An77*
- 53867 ZAVATTARI, E. Marvelous stories of animals: the misdeeds of fleas. (In Italian.) *Italia Agr.* 88:152-155. Mar.1951. 16 It1

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 53868 COMBS, L. R. Ponds save soil and water. *Better Farming Better Living* 1951:10,13. Spring 1951. 6 B464
Construction.
- 53869 CORNEJO BRAVO, J. Plan caminero para Concepción. *Tractorista* 4(17):13-14,16. Dec.1950/Jan. 1951. 58.8 T676
Chile.
- 53870 CROUCH, P. The dam farm. *N. Y. State Conserv.* 5(5):12-13. Apr./May 1951. 279.8 N48
Construction of a farm pond and soil conservation.
- 53871 ESMAY, M. L., and GIESE, H. Wind damage to farm buildings. *Agr. Engin.* 32:275-277. May 1951. 58.8 Ag83
- 53872 FARMER, S. Training the agricultural engineer. *Power Farmer* 6(4):30-32. Apr.1951. 58.8 P872
- 53873 HAMILTON, C. L. Check and double check your hay; there's fire danger when moist hay spoils and produces heat. *Farm Safety Rev.* 9(3):8-9. May/June 1951. 449.8 F22

53874 HAMILTON, H. R. Daisy Belle and Buttercup discuss fires on the farm. 2. C. M. P. A. Bulletin 32(378): 10-11. Feb. 1951. 44.9 C768

Control equipment.

53875 HANSEN, H. W. A procedure for determining the annual cost of a section of rural highway. U. S. Pub. Roads Admin. Pub. Roads 26:141-147. Apr. 1951. 1 R53P

53876 IVANOV, IA. From the experiment in planning the Lenin Collective farm [in Artsev District, Smolensk Region]. (In Russian.) Sel'sk. Stroitel' 5(6):9-11. Nov./Dec. 1950. 296.28 Se4

Layout.

53877 LOCK, A. P. Watch out for farm fires! Everybodys Poultry Mag. 56(5):14-15. May 1951. 47.8 F213P

53878 NEAL, H. S. Safety on the farm. Sowest. Crop & Stock 5(3):26-27, 54-55. Mar. 1951. 6 So8942
Chiefly preventive measures.

53879 PANNOCCHI, C. Explosives in the attack on ungrateful land. (In Italian.) Glor. di Agr. 61:100. Apr. 1, 1951. 16 It1G

53880 PORTER, H., and HELDRETH, H. Safe farm driveways. Farm Safety Rev. 9(3):12-14. May/June 1951. 449.8 F22

53881 RUSK, W. D. Lightning holds less horror when your buildings are properly grounded. Prog. Farmer, Tex. Ed. 66(4):50, 63. Apr. 1951. 6 T311

FARM MACHINES AND EQUIPMENT

53882 ALBINUS, A. Neue maschinen durch schöpferische arbeit auf dem dorf. Deut. Landwirt. 2:45-46. Jan. 1951. 18 D4822

53883 ALBRECHT, D. Verbesserung der spaten-diagnose neue geräte und verfahren zur schnelleren und sicheren ausführung der gareprüfung im sinne Görbings. Deut. Landwirt. 2:41-43. Jan. 1951. 18 D4822

53884 ANTIER, P. L'équipement agricole. Voix de l'Élevage (ser.3)6:1,3. Christmas, 1950. 44.8 Ac8
France.

53885 BATES, D. W., and BOYD, L. L. It pays to store machinery under cover. Hoard's Dairyman 96:380-381. May 10, 1951. 44.8 H65

53886 BEILMANN, A. P. Mechanized gardening. Parks & Recreation 34(4):8-10. (To be cont.) Apr. 1951. 98.8 P23

53887 BOXLER, B. Taschenbuch für landmaschinen. Esslingen, 1950. 256 p. 58 B69
With "Bild-anhang," 48 p.

53888 BUTLER, W. E. Appeal of smaller manufacturers; independent producers of farm equipment tell congressional committee, through a forthright and outspoken president, that continued operation cannot be maintained without priorities on scarcer materials. Impl. Rec. 48(6):25-26. May 1951. 58.8 Im73

53889 DELASNERIE, J. Le XXIII^e Salon de la Machine Agricole. Agr. Prat. 115:127-130. Mar. 1951. 14 J82

France.
53890 DUPONT, L. Inconvénients de la motoculture; remèdes à y apporter. Soc. des Agr. d'Algérie. B. 93: 238-248. July 1950. 24 So1

53891 EBERTZ, K. Hamburg wird uns viel neues bringen. Landtechnik 6:274-277. Apr. 30, 1951. 58.8 L235

53892 EWART, K. Mechanization of primary industry; trends and developments in Australia. Westralian Farmers Co-op Gaz. 20(388):19-21, 23, 25-26. Jan. 1951. 280.28 W522

53893 FUNCH, C. A. Kritisches zur landmaschinen-vorführung auf Gut Loy. Landwirtbl. Weser-Ems 98:299-300. Apr. 5, 1951. 18 L2345

53894 GILLING, T. The iron curtain lifts; Russian farm equipment exhibits at Paris show, first since 1939, indicate Soviet competition for world markets. Impl. & Tractor 66(7):22, 71. Mar. 31, 1951. 58.8 W41

53895 GOREMYKIN, P. N. Agricultural machine construction industry at the threshold of 1951. (In Russian.) Sel'khoz mashina 1951:1-4. Jan. 1951. 58.8 Se42

53896 HUBER, H. Zugschauflern. Schweiz. Z. f. Obst- u. Weinbau 60:129-130. Mar. 24, 1951. 80 Sch9

53897 IMPLEMENT & TRACTOR. I & T catalog file. 1951 ed. "The complete product index for the farm equipment industry." Impl. & Tractor 65(26), 396 p. Dec. 23, 1950. 58.8 W41

53898 JACOBS, A. Les courroies. Annu. Agr. et Hort. (1949/50)2:172-177. 1950. 13 An7

53899 KAKEBEEKE, W. Mechanization of corn culture. (In Dutch.) Drents Landtbl. 32(14):5. Apr. 7, 1951. 12 D812

53900 KNOEFEL, J. Wandern und lehren. Landtechnik 6:124-125. Feb. 28, 1951. 58.8 L235
Germany.

53901 KÖSTLIN, A. USA-maschinen auf deutschen bauernhöfen. Landtechnik 6:123-124. Feb. 28, 1951. 58.8 L235

53902 LACOMBE, R. Les machines nouvelles au 23^{me} Salon de la Machine Agricole. Prog. Agr. et Vitic. 1950:176-179. Apr. 1/8, 1951. 14 P94

53903 LACOMBE, R. Le 23^{me} Salon de la Machine Agricole. Prog. Agr. et Vitic. 1951:155-157. Mar. 18/25, 1951. 14 P94

53904 MCCORD, A. K. What CMP means to the farm equipment industry. Impl. & Tractor 66(10):32-33, 40. May 12, 1951. 58.8 W41

The Controlled Materials Plan of the National Production Authority.

53905 MCHARDY, D. N. Continental trends in design; surveying the 23rd Salon de la Machine Agricole in Paris. Power Farmer 6(4):33-36. Apr. 1951. 58.8 P872

53906 MCKENNA, P. J. How to select hand tools. Flower Grower 38(5):34, 60-62. May 1951. 80 M72

53907 MAHER, C. Mechanizing African colonial agriculture. Brit. Farm Mech. 3:111-113. Mar. 1951. 58.8 B772

53908 MARZI, G. DE. Mechanization of the small farm. (In Italian.) Glor. di Agr. 61:97. Apr. 1, 1951. 16 It1G
Italy.

53909 METTE, J. Leased farm equipment used to train Cal Poly students; machines are displayed and demonstrated at "The Country Fair on a College Campus." Farm Equip. Retailing 11(5):56, 58. May 1951. 58.8 F2292

53910 MEYER, E. Motorisierung und pferdehaltung; gedanken um einen zweckvollen arbeitseinsatz von pferd und motor. Tierzüchter 3:32-35. Jan. 20, 1951. 49 T445

53911 MEYER, H. Tendenzen der motorisierung. Landtechnik 6:174-175. Mar. 31, 1951. 58.8 L235

53912 MIGNOTTE, F. Réflexions sur le 23^e salon de la machine agricole. Agriculture [Paris] 15:81-84. Mar. 1951. 14 Ag823
France.

53913 MOREL, J. La mécanisation de la riziculture à Madagascar. Marseille. Inst. Colon. Cahiers Colon. 34: 118-120. Mar. 1951. 286.8 M35

53914 NAKAMURA, C. Zusetzu nokigu [Illustrated agricultural implements and machinery]. Tokyo, Tennen-sha, 1950. 344 p. 58 N14

53915 NEUKERMANS, K. La mecanisation des pépinières. Annu. Agr. et Hort. (1949/50)2:133-134. 1950. 13 An7

53916 NIELSEN, C. Union Sugar Company's random stand reduction to pre-determined row population. Amer. Soc. Sugar Beet Technol. Proc. 6:243-248. 1950. 66.9 Am35

A study of mechanization.

53917 OBERHOLTZER, J. W. Smoker remarks. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:77-78. Apr. 1951. 281.8 Am32
Equipment costs.

53918 PETIT, C. De quelques problèmes de construction & d'équipement à la ferme. Annu. Agr. et Hort. (1949/50)2:178-190. 1950. 13 An7
Belgium.

53919 SCHLEWSKI, G. Die mechanische ausbringung des stallungs. Neue Mitt. f. die Landwirt. 6:211-212. Apr. 7, 1951. 18 N39

53920 SEL'TSER, I. G. TL-2-TSINS tractor shovel for unloading [sugar] beets from railroad cars. (In Russian.) Sakh. Promysh. 24(12):34-35. Dec. 1950. 65.8 Sa2

53921 SINEOKOV, G. N. Suspended agricultural machines. (In Russian.) Sel'khoz mashina 1951:7-12. Jan. 1951. 58.8 Se42

53922 SMITH, P. B. A survey of sugar beet mechanization. Amer. Soc. Sugar Beet Technol. Proc. 6:20-27. 1950. 66.9 Am35

53923 SPEISER, H. Rationalisierung und betriebsgleichgewicht. Landtechnik 6:142-143. Mar. 15, 1951. 58.8 L235

Improving rural life through mechanization.

53924 STAUFFER, O. Die im jahr 1950 geleistete arbeit der normengruppe landmaschinen und ackerschlepper. Landtechnik 6:243-248. Apr. 15, 1951. 58.8 L235

53925 STEWART, H. L. Some of the farm economic aspects of sugar beet mechanization. Amer. Soc. Sugar Beet Technol. Proc. 6:688-695. 1950. 66.9 Am35

- 53926 STREIF, G. Wege zur vernünftigen mechanisierung der bäuerlichen Betriebe. Allgäuer Bauernbl. 19: 157-158. Mar. 22, 1951. 18 AL53
- 53927 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Farm machinery. Hearings, 82d Cong., 1st sess., Mar. 19, 20, and 21, 1951. Washington, 1951. 205 p.
- 53928 WALZER, L. Die mechanisierung und motorisierung der österreichischen Landwirtschaft. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949:239-246. 1950. 19 Au72J

Animal Husbandry Equipment

- 53929 ABEL, F. Bessere Milch durch Melkmaschine und Kühlung. Landtechnik 6:149-151. Mar. 15, 1951. 58.8 L235
- 53930 ANDERS, W. Der Brutapparat als Klimaanlage. Geflügelhof 14:155-156. Mar. 9, 1951. 47.8 G276
Temperature and humidity.
- 53931 ANDRESEN, N. Maschinenmelken so oder so! Tierzüchter 3:89-91. Feb. 20, 1951. 49 T445
- 53932 BARLEY, H. D. I've changed my mind about incubators. Poultry World 88:289. Mar. 29, 1951. 47.8 P8682
- 53933 BATT, W. G. Checking efficiency of milking machines. New Zeal. J. Agr. 82:31-32. Jan. 15, 1951. 23 N48J
- 53934 GARDNER, C. Easier ways to feed. Farm J. 75(4):34-36. Apr. 1951. 6 F2212
Chiefly labor-saving equipment.
- 53935 GERMAISKII, A. Mechanization of work in animal husbandry. (In Russian.) Tekhsovet MTS 12(3/4): 1-6. 1951. 58.8 T233
- 53936 HALL, J. W. Infra-red chick brooding on Virginia farms. Farm Electr. 5(2):13-14. Mar./Apr. 1951. 335.8 F224
- 53937 HART, F. H. Operation of agitated-air incubators. Australas. Poultry World 22(7):25, 27, 29. (Concl.) Feb. 5, 1951. 47.8 Au72
- 53938 HOGUE, R. L., and MCHENRY, S. New methods of warm air brooding. Poultry Tribune 57(3):6, 34-36. Mar. 1951. 47.8 P8642
- 53939 KINSEY, P. A. Electricity plays an important role in raising hogs. Farm Electr. 5(2):15-16. Mar./Apr. 1951. 335.8 F224
- 53940 LE REVERT, R. Une nouvelle intéressante machine à traire. Paysan Franç. 26(399):18. Mar. 1951. 14 P29
- 53941 LLOPIS Y LLOPIS, S. La arqueología al servicio de la ganadería; antigüedad de la herradura y de la silla de montar. Ganadería [Madrid] 9:22-24. Jan. 1951. 49 G15
- 53942 MANN, D. End your sorting, spraying, holding, treating, loading, bruising troubles with a utility alley. Kans. Farmer 88(9):4, 28-29. May 5, 1951. 6 K13
Livestock handling equipment.
- 53943 MATTHEWS, P. Rearing table birds the modern way. Poultry [London] 108:248. (To be cont.) Mar. 27, 1951. 47.8 P869
Infra-red lamps in brooding chicks.
- 53944 MILLS, H. B. Steers spray selves, make faster gains. Agr. Leaders' Digest 32(4):15. Apr. 1951. 275.28 Am3
- 53945 MOORE, A. C. Can we keep pace with rising production costs? Poultry [London] 108:248. Mar. 27, 1951. 47.8 P869
Chiefly cost of equipment.
- 53946 SHRADER, H. L. What is the best brooding temperature? Poultry Tribune 57(3):40-41. Mar. 1951. 47.8 P8642
- 53947 WIELER, E. Nochmals: "wärmedifferenzen im motorbrüter." Deut. Wirtgeflügelzucht. 3:254. Mar. 3, 1951. 47.8 D483

Cultivation and Tillage Equipment

- 53948 BRYNER, W. Die Werkzeuge zum schneiden und pflöpfen der Obstbäume. Schweiz. Z. f. Obst- u. Weinbau 60:131-133. Mar. 24, 1951. 80 Sch9
- 53949 DEWALD, L. W. Adaptations for the Dixie in down the row thinning. Amer. Soc. Sugar Beet Technol. Proc. 6:238. 1950. 66.9 Am35
- 53950 FREW, S. Oscillating cultivator. New Zeal. J. Agr. 82:27-29. Jan. 15, 1951. 23 N48J
- 53951 HOLMES, L. J. A year's experience using an electric eye thinner. Amer. Soc. Sugar Beet Technol. Proc. 6:249-254. 1950. 66.9 Am35
- 53952 O'BRIEN, H. R. Land leveling for better seedbeds. Country Gent. 121(5):85-86. May 1951. 6 C833
Use of a land leveler.

- 53953 SCHAAD, R. Rigolen des Rebfeldes. Schweiz. Z. f. Obst- u. Weinbau 60:127-128. Mar. 24, 1951. 80 Sch9
- 53954 SCHMID, W. Bodenbearbeitungsmaschinen für Wein- und Obstbau. Schweiz. Z. f. Obst- u. Weinbau 60:110-120. Mar. 24, 1951. 80 Sch9
- 53955 STEINMETZ, H. Die besten Geräte und Arbeitsverfahren im Selbstversorgergarten. Stuttgart, Ulmer, 1950. 64 p. (Grundlagen und Fortschritte im Selbstversorger-Gartenbau. Heft 7) 58 St33
- 53956 WENHARDT, A. Recent developments in tillage machinery. West. Canad. Weed Control Conf. Proc. 4: 140-144. Apr. 1951. 79.9 W522
Includes discussion.
- 53957 YACKULIC, G. A. Noble's six-inch blanket. Canad. Business 24(5):36-37, 118-120, 122. May 1951. 287 C162
Development of the manufacture of an implement for sub-surface tillage.

Fertilizer and Seed Distributors

- 53958 ABRAHAMSON, P. E. R. Fertilizer attachments for drill and planters recommended. Gleaner 5(3): 5. Apr. 1951. 6 G472
- 53959 FISCHER, J. H. Two years of planter testing. Amer. Soc. Sugar Beet Technol. Proc. 6:234-237. 1950. 66.9 Am35
- 53960 LYNCH, P. B. Distribution trials with blower-type topdressing machines. New Zeal. J. Agr. 82:49, 51, 53-56. Jan. 15, 1951. 23 N48J
- 53961 METZENTHIN, W., and SENKE, W. Karre, dungbahn, entmistungsanlage. Landtechnik 6:251-253. Apr. 15, 1951. 58.8 L235
- 53962 SAINT-QUENTIN, M. La plantation mécanique des pommes de terre sélectionnées. Rustica 24:271, 273. Mar. 25, 1951. 14 R92
- 53963 SERBULOV, A. F. Equipment for fertilizer application. (In Russian.) Sel'khoz mashina 1951:14-16. Jan. 1951. 58.8 Se42

Harvesting Equipment

- 53964 BAIL, A. Ein Beitrag zur Methodik der Untersuchungen landwirtschaftlicher Handgeräte, angewandt auf Arbeitsversuche mit dem Handrübenroder. Kühn-Arch. 63:129-295. Ref. 1950. 105.8 H15Ku
- 53965 BAINER, R. New concepts in side-delivery rakes. Agr. Engin. 32:266-269. May 1951. 58.8 Ag83
Discussion by Wm. Vutz, p. 269.
- 53966 BEHEYT, C. Mécanique agricole; la moissonneuse-batteuse. Annu. Agr. et Hort. (1950/51):3:104-115. 1951. 13 An7
- 53967 BELL, R. C. Mechanical raspberry harvesting; another milestone in the coming evolution of orchard machinery. Amer. Fruit Grower 71(5):16, 30-31. May 1951. 80 G85
- 53968 BLACKWELDER, E. F. Development of a simplified tractor-mounted sugar beet harvester. Amer. Soc. Sugar Beet Technol. Proc. 6:698-700. 1950. 66.9 Am35
- 53969 BRENNER, W. G., and GAUS, H. Ein vorschlag des Instituts für Landmaschinenforschung: rückwärts fahren, aber frontmähen. Landtechnik 6:278-279. Apr. 30, 1951. 58.8 L235
- 53970 FAY, B. D. The mechanical plucking of tea. Ceylon. Tea Res. Inst. Tea Q. 21(2/3):38-44. June/Sept. 1950. 68.18 C33
- 53971 HIPPLE, J. L. Engineering developments on the International sugar beet harvester. Amer. Soc. Sugar Beet Technol. Proc. 6:696-697. 1950. 66.9 Am35
- 53972 JOHNSON, A. Experiences with mechanical harvesters and beet top baling. Amer. Soc. Sugar Beet Technol. Proc. 6:701-703. 1950. 66.9 Am35
- 53973 MARTIN, J. W., and HUMPHREY, E. N. Development of Idaho potato harvesters. Agr. Engin. 32: 261-263, 269. May 1951. 58.8 Ag83
- 53974 MATTHIES, H. J. Die schwinde bei der Grünfütterernte. Landtechnik 6:253-254. Apr. 15, 1951. 58.8 L235
- 53975 PETER, J. Wir arbeiten mit der Linthebeneheinzeln! Grüne 79:32-36. Jan. 12, 1951. 17 Sch9
- 53976 RIZZO, S. L. Reaping machines and their use. (In Italian.) Terra e Sole 104:153-155. Apr. 1951. 16 T273
- 53977 SCHOFER, G. Ein Grasmäher mit neuem Gesicht. Landtechnik 6:151-153. Mar. 15, 1951. 58.8 L235
- 53978 SHAPIRO, A. A. Increasing the length of service of the automotive combine clutch. (In Russian.) Sel'khoz mashina 1951:29-30. Jan. 1951. 58.8 Se42

53979 SWIFT, E. L. Sugar beet harvester performance in American Crystal Sugar Company territory in 1949. Amer. Soc. Sugar Beet Technol. Proc. 6:704-705. 1950. 66.9 Am35

53980 TALLADAY, L. J., and REEVE, P. A. Attachments to Scott-Urschel sugar beet combine to improve dirt and trash removal. Amer. Soc. Sugar Beet Technol. Proc. 6:615-621. 1950. 66.9 Am35

53981 ZITZEWITZ, W. Eine wichtige winterarbeit für den obstbauern. Herstellung von modernen obstpflückgeräten. Gart.-Z. Illus. Flora 74:16-17. Feb. 1951. 80 G1991

Land Clearing Equipment

53982 CHILDERS, N. F. Brush shredder gaining favor. N. J. State Hort. Soc. Hort. News 32:2365. Mar. 1951. 81 N46

Processing Equipment Used on the Farm

53983 BAILEY, P. H. The testing of grass driers. Silsoe, Bedfordshire, Eng., Natl. Inst. Agr. Engin., 1950. 103 p. 60.1 B15

53984 BENEDICTUS, J. The stacking of hay. (In Dutch.) Drents Landbbl. 32(14):6. Apr. 7, 1951. 12 D812

53985 FARMER, S. Drying and storing grain on the farm. Power Farmer 6(4):23-27. Apr. 1951. 58.8 P872

53986 FITZWATER, G. J. Pick-up baler test at the State Research Farm. Victoria. Dept. Agr. J. 49:65-66. Feb. 1951. 23 V66J

53987 FRINTROP, J. Sicherung der ernte durch gerüsttrocknung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:482-483. Mar. 29, 1951. 18 L2346

Hay.

53988 HURST, W. M. Here are some up-to-the-minute designs for small mills. Hatchery & Feed 25(5):8. 54,56. May 1951. 47.8 H28

53989 KEPNER, R. A., and LEACH, L. D. A continuous spray-type seed treater. Amer. Soc. Sugar Beet Technol. Proc. 6:54-60. 1950. 66.9 Am35

53990 KLOOR, L. A. Experiences in the practical use of a continuous spray treater. Amer. Soc. Sugar Beet Technol. Proc. 6:61-68. 1950. 66.9 Am35

53991 LAMBDIN, R. S. Three years' experience with batch spray treating of beet seed. Amer. Soc. Sugar Beet Technol. Proc. 6:69-71. 1950. 66.9 Am35

53992 LEREN, G. The flail and threshing in olden days. (In Norwegian.) Landbrukstidende 57:168-170, 188-189. Feb. 28-Mar. 7, 1951. 11 L236

53993 PERONNET, A. Le séchage artificiel des fourrages verts. Potasse 25:54-56. Mar. 1951. 57.8 P84

53994 SEIDLER, R. Der gebläsehäcksler—kurz belichtet. Württemb. Wchnbl. f. Landwirt. 118:236-237. Mar. 24, 1951. 18 W96

53995 SORENSON, J. W., and DAVENPORT, M. G. A drier for broom corn. Tex. Agr. Expt. Sta. Prog. Rpt. 1351, 3 p. Apr. 3, 1951. 100 T31P

53996 SORENSON, J. W., and DAVENPORT, M. G. Drying broom corn in Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1350, 4 p. Apr. 2, 1951. 100 T31P

53997 THOMPSON, C. K. Rhodesia has the first grass-drier in Southern Africa. Rhodesian Farmer 4(22):9. Ref. Feb. 21, 1951. 24 R347

53998 ULBAEK, S. Quick drying of hay. (In Danish.) Dansk Landbr. 70:138. Mar. 22, 1951. 280.28 V91

53999 VOLOV, S. S. Threshers for hemp. (In Russian.) Sel'khoz mashina 1951:16-17. Jan. 1951. 58.8 Se42

Repair, Maintenance, and Construction Equipment

54000 BRICKWOOD, H. Preparing machines for the hay season. Power Farmer 6(4):46-47, 49. Apr. 1951. 58.8 P872

54001 ELAM, F. L. Equipment checkups, repairs in your own machine shop will help you 'make hay.' West. Livestock J. 29(27):42, 49-51. Apr. 15, 1951. 6 F2278

54002 GEL'MAN, B. Carts for field servicing of machines. (In Russian.) Mashinno-Traktornafä Sta. 10(11):28-30. Nov. 1950. 58.8 M11

54003 GOLDING, G. Next time it rains do your own repair work. West. Dairy J. 7(6):11, 46-48. Apr. 1, 1951. 44.8 W524

Farm shops.

54004 GÜNTART, A. Der bauer als selbstversorger unter dem druck der maschine. Grüne 78:1440-1441. Dec. 29, 1950. 17 Sch9 Maintenance.

54005 LENGSELD, Der "barn-cleaner" - entmistet automatisch. Landtechnik 6:157-161. Mar. 15, 1951. 58.8 L235

54006 SCHÄFER, K. Die bauernwerkstatt. Neue Mitt. f. die Landwirt. 6:213-214. Apr. 7, 1951. 18 N39

54007 TERREY, E. W. G. A workshop for the small farm. Westralian Farmers Co-op Gaz. 20(388):31-32. Jan. 1951. 280.28 W522

54008 WRIGHT, M. W. Arc welding on the farm. II-III. Westralian Farmers Co-op Gaz. 20:59-61, 132-134. Jan.-Feb. 1951. 280.28 W522

Spraying and Dusting Equipment

54009 ANDERSON, E. D. New developments broaden sprayer-duster market; increased farm output hinges upon weed and insect control. Impl. & Tractor 66(9):40-41, 106-107. Apr. 28, 1951. 58.8 W41

54010 BUGS will be a big problem this year; if you never did much sprayer-duster business, you will this season! Insects are invading more crop-producing areas. Corn borers are now in seven new states; green bugs, grasshoppers, boll weevils are ready to do lots of damage. Impl. & Tractor 66(10):36-37, 74-75. May 12, 1951. 58.8 W41

54011 BURRELL, A. B. Progress report on the use of a speed sprayer at different concentrations. N. Y. State Hort. Soc. Proc. 96:108-111. 1951. 81 N484

54012 DUNNEBEIL, Aufgaben der geräteindustrie für schädlingbekämpfung im fünfjahrplan. Deut. Landwirt. 2:32-35. Jan. 1951. 18 D4822

Spraying equipment.

54013 KEARNS, H. G. H., and MORGAN, N. G. An all-purpose spray nozzle. Internatl. Cong. Crop Protect. Abs. Commun. 2:21. 1949. 464.9 In832

54014 KEARNS, H. G. H., and MORGAN, N. G. A power-duster. Internatl. Cong. Crop Protect. Abs. Commun. 2:60. 1949. 464.9 In832

54015 KEARNS, H. G. H., and MORGAN, N. G. The spraying of crops with "automatic" ground machines. Internatl. Cong. Crop Protect. Abs. Commun. 2:22. 1949. 464.9 In832

54016 MANN, W. J. Helicopter spraying in the Netherlands. Internatl. Cong. Crop Protect. Abs. Commun. 2:40-41. 1949. 464.9 In832

54017 PONT, A. Les appareils terrestres d'épandage des produits phytosanitaires. Agriculture [Paris] 15:77-80. Mar. 1951. 14 Ag823

Dusts and sprays.

54018 WEBB, E. G. Farm sprayer operation. Farmer's Mag. 48(4):64, 66. Apr. 1951. 7 C165

54019 ZIMMERMANN, F. Das wort hat nun der konstruktör. Landtechnik 6:249-250. Apr. 15, 1951. 58.8 L235

Insecticides, fungicides, and plant protection equipment.

Vehicles

54020 ABELL, C. LP-gas can mean service sales; how converting tractors to burn butane-propane mixtures increases farm equipment shop profits. Impl. Rec. 48(6):17-20. May 1951. 58.8 Im73

54021 ALDEN, R. C., and SELIM, F. E. Supply of LP-gas available for engine fuel exceeds prospective demand. 2. Impl. & Tractor 66(8):50-51, 72-74. Apr. 14, 1951. 58.8 W41

54022 AMSTEIN, W. G. Small tractors have many uses. Poultry Tribune 57(3):44-46, 76-80. Mar. 1951. 47.8 P8642

54023 ARKEMA, P. W. B. Traction power of rubber-tired wagons. (In Dutch.) Drents Landbbl. 32(15):5. Apr. 14, 1951. 12 D812

Similar title in Landbode 5(15):5. Apr. 14, 1951. 12 L234

54024 BARANOVSKIY, N. Repair of basic parts of SKHTZ tractors at Krasnokholmskafä Machine-Tractor Station. (In Russian.) Mashinno-Traktornafä Sta. 10(11):43-45. Nov. 1950. 58.8 M11

54025 BARATTE, Évolution des transports agricoles. Acad. d'Agr. de France. Compt. Rend. 37:99-103. Jan. 24/31, 1951. 14 P215Bc

Includes discussion.

54026 BEAMISH, D. Flying farmers of Alberta; using their planes as most farmers do their cars, ranchers and wheat growers of South Alberta have taken enthusiastically to the air. Family Herald & Wk. Star 82(18):3, 15. May 3, 1951. 7 F21

54027 BONDON, J. Les tracteurs et motoculteurs. XXIII^e Salon de la Machine Agricole. Culture 27:5-8. Mar. 1951. 14 C894

54028 BRENNER, W. G. Der zweiwege-schlepper. Landtechnik 6:279-282. Apr. 30, 1951. 58.8 L235

- 54029 CHEREMOVSKII, I. I. Traktor S-80 [S-80 tractor]. Moskva, Gos. Nauch.- Tekhn. Izd-vo Mashinostroitel'noi Lit-ry, 1950. 354 p. 58 C422
- 54030 DENMARK. STATENS REDSKABSUDVALG. Prøver med landbrugsvogne; beskrivelse og bedømmelse af enkelte fabrikater 1948-50 [Experiments with farm wagons; description and evaluation of some makes 1948-50]. Denmark. Stat. Redskudv. Stat. Redskprøver. Beret. 107,78 p. 1951. 58.9 D41
- 54031 FOOTE, N. H. The value of power equipment. Flower Grower 38(5):35,63-65. May 1951. 80 M72 Garden tractors.
- 54032 FRANKE, and KLIEFOTH. Der "Marburg-test." Landtechnik 6:117-118. Feb.28,1951. 58.8 L235 Tractors.
- 54033 FRANKE, R. Die kosten des schlepperbetriebes. Landtechnik 6:213-217. Mar.31,1951. 58.8 L235
- 54034 FRANKE, R. Schleppergetriebe. Landtechnik 6:189. Mar.31,1951. 58.8 L235
- 54035 GONCHARENKO, V. Testing the lubrication system units of a tractor engine. (In Russian.) Mashinno-Traktornafä Sta. 10(11):45-50. Nov.1950. 58.8 M11
- 54036 HANSON, F. P. Utility of hydraulic power in farming with track-type tractors. Agr. Engin. 32:264-265,269. May 1951. 58.8 Ag83
- 54037 HIGGINS, F. H. Western farmers going to seed! Growers in Idaho, Oregon, California find production of new varieties of soil building grasses a second gold rush for those with know-how and equipment. Diesel Prog. 17(5):55-57. May 1951. 291.8 D56 Use of diesel tractors.
- 54038 HOECHSTETTER, H. Der lohn- und gemeinschaftsschlepper. Landtechnik 6:218-219. Mar.31,1951. 58.8 L235
- 54039 HOLEKAMP, E., THOMAS, W. I., and FROST, K. R. Cotton cultivation with tractors. Ariz. Agr. Expt. Sta. B. 235,20 p. Mar.1951. 100 Ar4
- 54040 IOFINOV, S. A., and TSYRIN, A. A. Ekspluatatsiia avtomobilei v sel'skom khoziaistve [Utilization of motor trucks in agriculture]. Moskva, Gos. Izd-vo Selkhoz Selkhoz Lit-ry, 1950. 358 p. 291 Io2
- 54041 JACOBS, A. Les tracteurs a chenilles. Annu. Agr. et Hort. (1949/50):2:159-165. 1950. 13 An7
- 54042 KLIEFOTH, F. Schlepperprüfung. Landtechnik 6:225-230. Mar.31,1951. 58.8 L235
- 54043 KORN, W. Einachsschlepper-kleinbauernschlepper. Landtechnik 6:209-210,212. Mar.31,1951. 58.8 L235
- 54044 KRIEBEL, M. Zäumen wir das pferd vom schwanz auf? Landwirt. Wechnbl. f. Westfalen u. Lippe 108A:477-478. Mar.29,1951. 18 L2346 Tractor utilization.
- 54045 LARSON, G. H., and SULEK, J. J. Tractor performance on LP-gas. (Excerpts.) Impl. & Tractor 66 (10):38. May 12,1951. 58.8 W41 LP-gas as a tractor fuel, by G. H. Larson; Engineering laboratory tests of LP-gas vs. gasoline, by J. J. Sulek.
- 54046 LISTOVSKII, N. Experiment in organizing tractor repair by the assembly method. (In Russian.) Mashinno-Traktornafä Sta. 10(11):34-43. Nov.1950. 58.8 M11
- 54047 MAKSIMCHUK, F. Wear-resistance of [tractor] crankshaft journals after casehardening. (In Russian.) Mashinno-Traktornafä Sta. 10(11):58-60. Nov. 1950. 58.8 M11
- 54048 MARIENKO, A., and PEREVERZEV, A. Filling up Diesel tractors with fuel and crankcase oil (Practiced at machine-tractor stations in Krasnodar Territory). (In Russian.) Tekhsoveti MTS 11(35/36):9-14. 1950. 58.8 T233
- 54049 MEYER, H., and BOCK, G. Fahrtmechanik. Landtechnik 6:175-181. Mar.31,1951. 58.8 L235 Physics of farm vehicles.
- 54050 MORE farm jobs for planes. Country Gent. 121(5):36,96-97. May 1951. 6 C833
- 54051 OZERSKII, A. Adjustment of clutch coupling of Kirovets D-35 tractor starting motor. (In Russian.) Tekhsoveti MTS 12(3/4):14-15. 1951. 58.8 T233
- 54052 PFLIMLIN, P. La ristöurne sur les carburants agricoles pour 1950 commencera a etre versee des le mois de mars. France. Min. de l'Agr. B. d'Inform. (n.s.)159:A-A3. Jan.22/29,1951. 281.9 F843
- 54053 POGORELYI, I. P., CHISTIYAKOV, V. D., and LUKANOV, M. A. Remont traktorov [Repair of tractors]. Ed. 4. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 631 p. 58 P753
- 54054 REYNOLDS, P. A. Tractor maintenance. 5-6. Grower [London] 35:765,871. Apr.14,28,1951. 286.83 M34
- 54055 RIES, L. W. Wirtschaftlicher schleppereinsatz. Landtechnik 6:220-225. Mar.31,1951. 58.8 L235
- 54056 RUGH, K. W., and BENZ, G. R. LP-gas—its present and future. Farm Impl. News 72(8):32-33,59-60, 62. Apr.25,1951. 58.8 F22 Use as tractor and household fuel.
- 54057 SAMOKHIN, N. Repair of Diesel engine of KD-35 tractor. (In Russian.) Mashinno-Traktornafä Sta. 10 (11):50-52. Nov.1950. 58.8 M11
- 54058 SCHRECK, F. O. The best spring tonic for crawler tractors. Impl. Rec. 48(6):57. May 1951. 58.8 Im73 Maintenance.
- 54059 SEIFERT, A. Kraftheber für ackerschlepper. Landtechnik 6:190-192. Mar.31,1951. 58.8 L235
- 54060 SELIVANOV, A. Use of settling and preliminary filtration for clearing Diesel fuel. (In Russian.) Tekhsoveti MTS 11(35/36):1-8. 1950. 58.8 T233
- 54061 SKALWEIT, H. Die arbeitsgeräte am schlepper. Landtechnik 6:193-203. Mar.31,1951. 58.8 L235
- 54062 SOLOVEYCHIK, A. On type of universal tractor for cotton and sugar beets. (In Russian.) Mashinno-Traktornafä Sta. 10(11):31-33. Nov.1950. 58.8 M11
- 54063 TRESKUNOVA, S. A transformed nozzle for lubricating the underframe of KD-35 tractor. (In Russian.) Tekhsoveti MTS 11(35/36):15-16. 1950. 58.8 T233
- 54064 U. S. SOIL CONSERVATION SERV. Study of automotive fleet operation and replacement. Washington? 1950? 4 p. 1.96 B96Stu Cost of operation.
- 54065 VANWELDEN, M. L'évolution dans la construction des tracteurs agricoles. Annu. Agr. et Hort. (1950/51):3:115-122. 1951. 13 An7
- 54066 VANWELDEN, M. La puissance réelle d'un tracteur agricole. Annu. Agr. et Hort. (1949/50):2:165-171. 1950. 13 An7
- 54067 VORONOV, P. Adjusting the tanks for storing and settling Diesel fuel. (In Russian.) Tekhsoveti MTS 11(35/36):14-15. 1950. 58.8 T233

FARM STRUCTURES AND RURAL HOUSING

- 54068 GONZALEZ ARROYO, S. Las construcciones agrícolas en España. Ganaderia [Madrid] 8:658-661. Nov.1950. 49 G15
- 54069 HURLBUT, L. W. Farm research facts you should know; intelligent study of design requirements necessary to promote the efficiency of farm production. Amer. Lumberman & Bldg. Prod. Merchandiser 3464: 74,76. May 5,1951. 99.81 Am3 Farm buildings.
- 54070 NOVIKOV, G. Party group of the building brigade. (In Russian.) Sel'sk. Stroitel' 5(6):4-5. Nov./Dec.1950. 296.28 Se4 Building construction on Komintern Collective Farm of Murom District in Vladimir Region.
- Animal Shelters and Animal Service Buildings
- 54071 BERGMANN, H., and NIEMKE, W. Betriebswirtschaftliche und bauliche betrachtungen zum schuppenstall. Deut. Landwirt. 2:74-77. Feb.1951. 18 D4822
- 54072 BIANCHI, L. E. Litter in the poultry house. (In Portuguese.) Chacaras e Quintais 83:291-293. Mar.15, 1951. 9.2 C34
- 54073 BROOKS, J. B., and PATTYN, M. J. Milking parlor for the small dairyman. Ky. Farmer 87(4):6-7. Apr.1951. 6 F2237
- 54074 BUILDING a goat house. Brit. Goat Soc. Ybk. 1951:15-17. 40.19 B77
- 54075 CAVELL, W. New milking parlors. Family Herald & Wk. Star 82(11):4-5,23. Mar.15,1951. 7 F21 Remodelled barn.
- 54076 CHANIER, A. La désinfection des étables. Voix de l'Elevage (ser.4):7:4. Jan.10,1951. 44.8 Ac8
- 54077 CLARK, T. B., and CUNNINGHAM, C. J. West Virginia broiler house features new ideas. Broiler plant at university is designed for the comfort of the chick. Hot air system provides heat. Broiler Growing 2(5):9,46-47. May 1951. 47.8 B782
- 54078 COLBY, H. N. We'd better build better poultry houses. N. H. Breeder 14:9-10,28. Mar./May 1951. 47.8 N45
- 54079 ELLIS, F. E. Pen stables and R. O. P.; after 18 years New Hampshire professor has proven that good production can be made with dairy cows kept in loose housing. Family Herald & Wk. Star 82(11):3. Mar.15, 1951. 7 F21

- 54080 FLAA, A. How to build the barn. (In Norwegian.) *Produsenten* 19:7. Jan.1951. 11 P94
- 54081 GAUDY, C. A. Jaulas para conejos. *Chacra* 21(245):40-41. Apr.1951. 9 C34
- 54082 GOODING, P. H. Laying houses and equipment. *Clemson Agr. Col. S. C. Ext. C.* 174,23 p. May 1951. 275.29 So8E
- 54083 GOVIN, L. La stabulation libre. *Bétail & Basse-Cour* 6:136-137. Mar.1951. 49 B462
- Dairy barn plans.
- Also in *Agr. Prat.* 115:131-134. Mar.1951. 14 J82
- 54084 HARTMAN, W. J. We like our elevated milking stalls. *Hoard's Dairyman* 96:400. May 10,1951. 44.8 H65
- 54085 HAUSERMANN, H. Billige und gesunde tierhaltung in einfachen bauten. *Grüne* 79:161-167. Feb.9,1951. 17 Sch9
- 54086 HODGSON, R. E. A low cost milking parlor. *Milking Shorthorn J.* 32(5):18-19. May 1951. 43.8 M59
- 54087 HOLLANDER, E. Ein gutes kükenheim ist die Voraussetzung für eine erfolgreiche kükenaufzucht. *Deut. Wirtgeflügelzucht.* 3:267. Mar.10,1951. 47.8 D483
- 54088 HUNTSINGER, R., and GOFF, A. New barn for the old. *Farmer [St. Paul] Dakota Ed.* 69(7):9,65. Apr.7, 1951. 6 F2211D
- 54089 JENNINGS, J. Raising the chicks in hayboxes. *Mod. Poultry Keeping* 64:226-227. Feb.28,1951. 47.8 Eg3
- 54090 JUANA SARDON, A. DE. Higiene del gallinero. *Soc. Rur. Argentina. An.* 85:32-36. Jan.1951. 9 Sol
- 54091 KENNEDY, R. S. New wine in old bottles; two Ontario farmers show that new methods can be installed in old barns without anything bursting at the seams. *Family Herald & Wk. Star* 82(11):7,19. Mar.15,1951. 7 F21
- 54092 KLEIN, G. T. Massachusetts broiler house. *Amer. Poultry J.* 82(4):14,30. Apr.1951. 47.8 Am32
- Plans.
- 54093 LEWIS, F. C. Here's your brooder house sunporch. *Turkey World* 26(3):32,34. Mar.1951. 47.38 T84
- 54094 MCKINNEY, J. Barn bigger than his house. *Prog. Farmer, Miss.-Ark.-La. Ed.* 66(4):18-19. Apr. 1951. 6 So81
- 54095 MICHEL, J. Das pferd soll nicht im kuhstall untergebracht werden. *Grüne* 79:36-37. Jan.12,1951. 17 Sch9
- 54096 MIDWEST PLAN SERV., AMES, IOWA. Beef-cattle housing building plans. *St. Louis?* 1949-50. 1 v. unpagd. 296 M58B
- 54097 MILLIER, W. F. Reducing labor needs in dairy barns. *Minn. Farm & Home Sci. [Minn. Sta.]* 8(2):13-14. Feb.1951. 100 M668
- Location of storage bins and feed processing equipment, and labor-saving equipment.
- 54098 OELMANN, R. E. Die biologisch-technischen Grundlagen für den neuzeitlichen stallbau. *Radebeul, Neumann, 1950.* 143 p. 296 OL5
- 54099 OHL, R. Der tieflaufstall für milchkühe in theorie und praxis. *Deut. Landwirt.* 2:18-20. Jan.1951. 18 D4822
- 54100 PATERSON, R. A roof over their heads. *Problems of management.* 17. *Farmers Wk. [London]* 34(15):61. Apr.13,1951. 10 F2226
- Cheap buildings for cattle, easy of removal to meet the present landlord and tenant position in Great Britain.
- 54101 PEREDA, E. Construcción de gallineros modernos. *Charla Rur.* 149:32-33. (To be cont.) Mar.1951. 9 C37
- 54102 PETIT, C. La ventilation de l'étable. *Annu. Agr. et Hort.* (1950/51)3:123-136. 1951. 13 An7
- 54103 PORRES, C. A. La avicultura y los labradores; higiene del gallinero. *Agr. Burgalés* 18(195):9-10. Mar. 1951. 15 Ag86
- 54104 SALZWEDEL, H. Etwas über den stallbau in bergigem und wasserbedrohtem gelände. *Deut. Wirtgeflügelzucht.* 3:253-254. Mar.3,1951. 47.8 D483
- 54105 SAWIN, P. B. Effective housing for northern latitudes. *Calif. Rabbit News* 12:8-9. Apr.1951. 40.28 C12
- 54106 SEEGER, K. C., and OLIVER, J. H. Radiant-energy chick brooding. *Agr. Engin.* 32:278-280. May 1951. 58.8 Ag83
- 54107 STEVENS, R. Building a cattery. *All-Pets Mag.* 22(4):48-49. Apr.1951. 48.8 AL5
- Farmhouses and Farmsteads**
- 54108 CANTALAMESSA, A. An enemy in the rural house: humidity. (In Italian.) *Lotte Contadine* 2(5):7. Mar.25,1951. 16 L91
- 54109 IVANOV, I., and MONFRED, I. U. Moving of wooden houses [on collective farms]. (In Russian.) *Sel'sk. Stroitel'* 5(6):15-17. Nov./Dec.1950. 296.28 Se4
- 54110 JONES, K. S. More for their money in modern. *Successful Farming* 49(5):43,118. May 1951. 6 Su12
- Design of a modern farmhouse.
- 54111 KUZ'MIN, N., and SAMRINA, V. Prefabricated houses from brick-adobe blocks. (In Russian.) *Sel'sk. Stroitel'* 5(6):18-20. Nov./Dec.1950. 296.28 Se4
- 54112 NESSER, G. Does it pay to modernize the farm kitchen? (In Swedish.) *Lanthemmet* 2:14-15. Jan. 13 1951. 281.28 L29
- 54113 NICKELL, P., and others. Farm family housing needs and preferences in the North Central Region. *Iowa. Agr. Expt. Sta. Res. B.* 378,173 p. Feb.1951. 100 Io9
- M. Budolfson, M. Liston, and E. Willis, joint authors.
- 54114 WIPPEL, M. Das antlitz des österreichischen bauernhofes. *Austria. Bundesmin. f. Land- u. Forstwirtschaft. u. Adressb.* 1949:160-165. 1950. 19 Au72J
- 54115 WOMELSDORF, H. S. Build this farm home for the ages. *Prog. Farmer, Tex. Ed.* 66(4):68,70. Apr. 1951. 6 T311
- Greenhouses and Plant Service Buildings**
- 54116 EBERHARD-SCHOBACHER, E. Das frühbeet. *Il. Allgäuer Bauernbl.* 19:181-182. Mar.29,1951. 18 AL53
- Ornamental plants.
- 54117 FIESTER, D. R. Un propagador de alta humedad para enraizamiento de estacas. *Turrialba* 1:146-149. Jan.1951. 8 T86
- 54118 SPERA, L. Electric heating in the greenhouse. (In Italian.) *Terra e Sole* 104:147-148. Apr.1951. 16 T273
- 54119 STEELANT, L. Le facteur lumière dans les serres. *Annu. Agr. et Hort.* (1949/50)2:191-194. 1950. 13 An7
- 54120 STOUT, MRS. A. V. The screen house. *Gard. Club Amer. B.* 39(3):81-82. May 1951. 90.32 G16
- For protection against insects.
- 54121 VERGNAUD, H. Le verre en horticulture. *Agr. Prat.* 115:199-202. Apr.1951. 14 J82
- For greenhouses.
- 54122 WILLIAMS, R. Fluorescent tube greenhouse. *Begonian* 18:93. May 1951. 96.511 B39
- Materials and Methods**
- 54123 HARTEN, J. VAN. Use of concrete in horticulture. (In Dutch.) *Groenten en Fruit* 6:670-671. Mar.22, 1951. 80 G89
- Storage Structures**
- 54124 BRENDSTRUP, S. Silos and silo construction. (In Danish.) *Dansk Landbr.* 70:95. Feb.22,1951. 230.28 V91
- 54125 CORNELL UNIVERSITY. How to build an egg room. *Amer. Poultry J.* 82(4):50. Apr.1951. 47.8 Am32
- 54126 GUALCO, L. A silo for the hill farms. (In Italian.) *Terra e Sole* 104:149-150. Apr.1951. 16 T273
- Construction.
- 54127 MULLER DEFRAZAS, R. La conservación de forrajes. *Charla Rur.* 149:10-11. (Concl.) Mar.1951. 9 C37
- Discusses types of silos.
- 54128 OKKELS, S. The perfect beet room. (In Danish.) *Dansk Landbr.* 70:145. Mar.22,1951. 280.28 V91
- 54129 PASFIELD, D. H. Buildings for machinery. *Brit. Farm Mech.* 3:100-102. Mar.1951. 58.8 B772
- 54130 STANLEY, J. M., and SHEPHERD, J. L. Bright leaf tobacco curing barn construction. *Ga. Coastal Plain Expt. Sta. Mimeog. Paper* 74,4 p. Jan.1951. 100 G292M
- 54131 STOUT, R. W. Trench silos. *Ky. Farmer* 87 (4):16-18. Apr.1951. 6 F2237
- Walls and Fences**
- 54132 BUJAN, J. Reparación de cargadores aéreos y electrificación de cercos y alambrados. *Charla Rur.* 148:38-39;149:40-41. (Cont.) Feb.-Mar.1951. 9 C37
- 54133 GRAY, A. W. The law of line fences. *Amer. Poultry J.* 82(4):55-57. Apr.1951. 47.8 Am32
- 54134 HANSEN, K. Right way of putting up electric fences. (In Danish.) *Dansk Landbr.* 70:136-138. Mar.22,1951. 280.28 V91
- FARM UTILITIES**
- Electricity and Electrification**
- 54135 ACKER, L. VAN. L'installation électrique a la ferme. *Annu. Agr. et Hort.* (1950/51)3:137-146. 1951. 13 An7

- 54136 BRANNAN, C. F. Rural electrification means prosperity. *Carolina Farmer* 6(4):9. Apr. 1951. 6 C223
- 54137 FARMING to-day. I-II. *Elect. Rev.* 148:313-316, 374-378. Feb. 16-23, 1951. 335.8 EL22
- Electricity on the farm.
- 54138 HUTCHINSON, K. T. REA [Rural Electrification Administration] - miracle of achievement. *Carolina Co-op.* 29(5):11-12, 20, 29-30. May 1951. 72.8 N81
- 54139 LESAGE, L. L'électricité à la basse-cour. *Avicult. Basse Cour* 7:54, 53. Feb. 1951. 47.8 Av53
- 54140 MAREC, E. La nationalisation de l'électricité. *Génie Rur.* 44:134-139. Apr. 1951. 58.8 Au8
- 54141 MORRISON, A. L. The value of cooperation. *Carolina Farmer* 6(4):11. Apr. 1951. 6 C223
- Rural electric cooperatives.
- 54142 MURPHY, E. R. Electricity and its importance to modern farm operation. *Ky. Farmer* 87(4):4, 11, 36. Apr. 1951. 6 F2237
- 54143 PHAGEN, C. V. 4-H farm and home electric program. *Farm Electrification* 5(2):9-10. Mar./Apr. 1951. 335.8 F224
- 54144 SAZONOV, N. In regard to the new advancement of rural electrification. (In Russian.) *Sotsialist. Sel'sk. Khoz.* 21(12):13-23. Dec. 12, 1950. 281.8 So73
- 54145 STEWART, C. Kentucky's rural women all agree—farm life is best with electricity. *Ky. Elect. Co-op. News* 4(5):14-15, 17. May 1951. 335.8 K41
- 54146 TUCKER, W. Renovation, experimentation programs conducted on the [Purdue] Electric Farm. *Purdue Agr.* 42(7):8. Apr. 1951. 6 P97
- 54147 U. S. RURAL ELECTRIFICATION ADMIN. A co-op quiz for your 1951 annual meeting. Washington, 1951? 10 p. 1.933 C785
- 54148 U. S. RURAL ELECTRIFICATION ADMIN. Major farm and home uses of electricity making up the kilowatt hour load of REA borrowers. Washington, 1951? 1 p. 1.933 M2822
- 54149 U. S. RURAL ELECTRIFICATION ADMIN. Management Conference for Rural Electric Co-ops, April 9-13, 1951. Washington, 1951. 15 p. 1.933 M3122
- 54150 U. S. RURAL ELECTRIFICATION ADMIN. Non-technical summary of electrical terminology. Washington? 1951? 2 p. 1.933 N73
- 54151 U. S. RURAL ELECTRIFICATION ADMIN. Report on field tests of Henry Phase Converter. Washington, 1951. 4 p. 1.933 R2923
- 54152 U. S. RURAL ELECTRIFICATION ADMIN. Test your co-op knowledge. Washington, 1951? 2 p. 1.933 T28
- 54153 VLASOV, N. Rural electrification and its power resources. (In Russian.) *Sotsialist. Sel'sk. Khoz.* 21(12):3-12. Dec. 12, 1950. 281.8 So73

Heating, Lighting, and Radiation

- 54154 FERAUD, Le gaz de fumier. *Acad. d'Agr. de France, Compt. Rend.* 37:175-180. Feb. 21/28, 1951. 14 P215Bc
- Includes discussion.
- 54155 KAR, J. Neuzzeitliche abwasser- und abfallstoffverwertung. *Bodenkultur* 4:518-520. 1950. 19 B635
- Includes use of manure gas for heating.
- 54156 MADDEX, R. L. Brooding with heat lamps; infra-red lamp is handy—but it can be dangerous. *Farm Safety Rev.* 9(3):11. May/June 1951. 449.8 F22
- 54157 ROIG MIRO, J. La elevación del ambiente rural por el gas metano. *Reus Avic.* 23:15, 17. Mar. 1951. 47.8 R31
- Improvement of rural living conditions in Spain.
- 54158 U. S. RURAL ELECTRIFICATION ADMIN. Storage type electrically operated water heater for the home. Washington? 1951? 3 p. 1.933 Su7

Power Plants Motors and Engines on the Farm

- 54159 BEZRUCHKIN, I. P. Testing TB-5 windmill. (In Russian.) *Sel'khoz mashina* 1951:12-14. Jan. 1951. 58.8 Se42
- 54160 BOWER, D. L. Profit making motor. *Elect. Farm* 24(5):9. May 1951. 335.8 EL27
- Various uses for a small electric motor.
- 54161 MENCKEN, A. Let's get all the answers to these power questions. *Farm & Ranch Rev.* 47(3,i.e.4):38-40. Apr. 1951. 7 F223
- The situation in regard to natural fuels and the development and storage of electric energy.
- 54162 PLATT, F. L. Power runs the farm today. *Everybody's Poultry Mag.* 56(5):10, 28-30. May 1951. 47.8 F213P

- 54163 SEGLER, G. Ein möglichst niedriger kraftbedarf. *Landtechnik* 6:144-147. Mar. 15, 1951. 58.8 L235
- 54164 SEIFERT, A. Landwirtschaftliche verbrennungsmotore. *Landtechnik* 6:182-188. Mar. 31, 1951. 58.8 L235

Telephones

- 54165 BORDEN, I. E. Handling the farm line improvement program. *Fortnightly Telephone Engin.* 12(5):19-20, 31-32. May 1951. 335.8 F77
- 54166 SEITZ, D. Rural line construction methods. *Telephony* 140(17):19-21, 58. Apr. 28, 1951. 335.8 T23

Water Supply

- 54167 BEERMANN, T. Wasserwirtschaftliche und kulturbautechnische aufgaben am Niederrhein. *Wasser u. Boden* 2:129-132. July 1950. 56.8 W28
- 54168 BILLIB, H. Löschwasser und ländliche wasser-versorgung. *Wasser u. Boden* 2:227-231. Ref. Nov. 1950. 56.8 W28
- 54169 CAHILL, J. C., and BODWELL, J. H. Water where you want it. *Elect. Farm* 24(5):7-8, 27-29. May 1951. 335.8 EL27
- Convenience of running water on the farm.
- 54170 CORDES, Der faktor wasser im landwirtschaftlichen betrieb—wert ländlicher wasserversorgungen. *Wasser u. Boden* 2:214. Oct. 1950. 56.8 W28
- 54171 ELAM, F. L. Are you drilling a well? *West. Livestock J.* 29(27):36-37, 64-66. Apr. 15, 1951. 6 F2278
- 54172 HOSFORD, J. Improving a farm water source; proper treatment can remedy most water problems. *Elect. Farm* 24(5):13-16, 33. May 1951. 335.8 EL27
- Use of soft water.
- 54173 KASHEKOV, L. NPP-3,5 pumping equipment. (In Russian.) *Tekhsociety MTS* 12(3/4):7-13. 1951. 58.8 T233
- 54174 MOMM, O. Die wasserversorgung in der landwirtschaft. *Wasser u. Boden* 3:21-25. Ref. Jan./Feb. 1951. 56.8 W28
- 54175 MÜLLER, W. Wasserwirtschaftliche möglichkeiten in Australien. *Wasser u. Boden* 2:207-209. Oct. 1950. 56.8 W28
- 54176 VAN DER MERWE, P. J. Wind pumps and engines. (In Afrikaans.) *Landbouweekblad* 32(1655):8-9. Apr. 4, 1951. 24 L232
- For drawing water.

AGRICULTURAL PRODUCTS. PROCESSING, DISTRIBUTION. AND STATISTICS

GENERAL

- 54177 ANGELI, C. D'. The international market situation for raw materials. (In Italian.) *Congiuntura Econ.* 6:37-39. Feb. 28, 1951. 280.8 C7635
- 54178 CAMPBELL, L. E. Jams and some other spreads as food: historical introduction. *Chem. & Indus.* 1951:300-301. Apr. 21, 1951. 382 M31C
- 54179 CARBON, L. DE. L'importance de la Côte d'Ivoire dans l'économie de l'A.O.F. *Marchés Colon.* 7:1145, 1147-1148. Apr. 28, 1951. 286.8 M33
- Includes production of agricultural products.
- 54180 CORRICK, J. A., JR., KOTSCHER, L. H., and AVERY, A. C. Role of food industry in the production of new products for naval subsistence. (Abs.) *Food Technol.* 5(5,sup.):19. May 1951. 389.8 F7398
- 54181 DESCLERCS, R. L'avenir de la production agricole. *Marchés Colon.* 7:1141, 1144. Apr. 28, 1951. 286.8 M33
- Ivory Coast.
- 54182 DOLS, M. J. L. Food for men. (In Dutch.) *Voeding* 12:143-154. Apr. 15, 1951. 389.8 V85
- Food in relation to population.
- 54183 DU PLESSIS, C. VAN H. Chronic food shortages loom in the future; South African agriculture reaches new records. (In Afrikaans.) *Landbouweekblad* 32(1655):21. Apr. 4, 1951. 24 L232
- 54184 ECKBLAD, I., and HOBSON, K. Plan your family's yearly food supply. *Wash. State Col. Ext. Mimeog.* 1002, 2 p. 1951. 275.29 W27Mi
- 54185 FAROUK, A. Reflections on the food problem of East Pakistan. *Pakistan Econ. J.* 2(3):103-118. Mar. 1951. 280.8 P174
- 54186 FILENI, E. Typical Italian crops. (In Italian.) *Humus* 7(3):24-26. Mar. 1951. 16 H88
- The industry for hemp, peppermint, and peppers.

54187 GATZ, W. Ernährungsbilanz und ernährungsplanung in Grossbritannien. *Weltwirt. Arch.* 66:148-161. 1951. 286.8 W462

54188 GENUNG, A. B. Food policies during World War II; a historical account of American food production, price, and control operations during the second World War, 1941-1946. Ithaca, N.Y., Noeast. Farm Found., 1951. 81 p. 389 G284

54189 GREYLING, J. C. The world endures starvation. (In Afrikaans.) *Landbouweekblad* 32(1655):19, 27. Apr. 4, 1951. 24 L232

54190 HAGGERTY, J. J. U. S. food averts famine in Yugoslavia. *Foreign Agr.* 15:67-74. Apr. 1951. 1.9 Ec7For

54191 LEBEUF, J. L'évolution des productions agricoles. *Marchés Colon.* 7:1171-1173. Apr. 28, 1951. 286.8 M33

54192 LEVENSON, A. Commissary research for the U. S. Navy. (Abs.) *Food Technol.* 5(5,sup.):19. May 1951. 389.8 F7398

54193 MACNEIL, H. Home food production [Scotland]. *Scot. Farmer* 59:602. Mar. 31, 1951. 10 Sco8

54194 MORIYAMA, K. Shokuryohin zosan no hiketsu [Secret of increased production of foodstuffs]. Tokyo, Taibunkan, 1950. 157 p. 389 M822S

54195 OLIVER, D. L. The Pacific Islands. Cambridge, Harvard U. Press, 1951. 313 p. 128 OL4
Includes references to agricultural products for which the index should be consulted.

54196 ORIUCHI, N. Noson kogyo no chakugan [Pay attention to agricultural industries]. Tokyo, Soryusha, 1950. 245 p. 34.3 Or4

54197 ROGERS, C. A. How research and development assist in Army feeding. (Abs.) *Food Technol.* 5(5,sup.):19. May 1951. 389.8 F7398

54198 RYAN, J. M. Planning for food production. *Dakota Farmer* 71(8):8. Apr. 21, 1951. 6 D14

54199 SOEDARMO, P. Food shortage in Lombok. *Organ. Sci. Res. Indonesia.* O. S. R. P. 25:3. 1951. 330.9 Or30

54200 SOEDARMO, P., KLERKS, J. V., and PRANGER, W. Lombok food problems. *Organ. Sci. Res. Indonesia.* O. S. R. P. 25, 20 p. 1951. 330.9 Or30

54201 U. S. ECONOMIC COOPERATION ADMIN. Thirty-second report for the Public Advisory Board, February 28, 1951. Washington, 1951. 79 p. 173.2 Ec72R

Includes statistics of food shipments.

54202 U. S. WHOLESALE GROCERS' ASSOCIATION, WASHINGTON, D. C. Your requirements under Government emergency controls. Washington, 1951. 11 p. 286.2 Un34

Includes materials and facilities requirements for food trade requested by U. S. Department of Agriculture.

54203 WILDE, L. O. J. DE. Considerations générales au sujet des grandes cultures au Congo Belge. *Annu. Agr. et Hort.* (1949/50):231-275. 1950. 13 An7

ANALYSIS AND COMPOSITION

54204 BEYTHIEN, A. Einführung in die lebensmittelchemie für studierende und junge fachgenossen. Ed. 3, rev. and enl. Dresden, Steinkopff, 1950. 317 p. 389 B463E

54205 CLARKE, B. W. Instruments for objective measurement of quality control factors in processed food products. (Abs.) *Food Technol.* 5(5,sup.):14. May 1951. 389.8 F7398

54206 COSTA, D., and COSTA, G. Differential thermic analysis applied to determination of characteristic temperatures and to the approximate valuation of thermic tonality in complex chemical processes; note I: thermic decomposition of starch and cellulose. (In Italian.) *Chim. e l'Indus.* 33:71-76. Feb. 1951. 385 G43

Includes potato, rice, and corn starch, and cotton cellulose.

54207 CRANE, J., STEELE, H. K., and REDFERN, S. Techniques for estimating the stability of food products—active dry yeast. (Abs.) *Food Technol.* 5(5,sup.):15. May 1951. 389.8 F7398

54208 EGGER, F. Lebensmittelchemisches taschenbuch; die beurteilung der lebensmittel auf grund der vorschriften und handelsbräuche, mit kurzer angabe der wichtigsten untersuchungsverfahren. Stuttgart, Wissenschaftliche Verlagsgesellschaft, 1950. 514 p. Ref. 389 Eg3

54209 GIRARDOT, N. F., PERYAM, D. R., and SHAPIRO, R. Selection of sensory testing panels. (Abs.) *Food Technol.* 5(5,sup.):17. May 1951. 389.8 F7398

54210 HADORN, H. Zur untersuchung und beurteilung diätetischer nährmittel. 2-3. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:14-17; 23-36. 1951. 389.9 Sw6

Pt. 2 by H. Hadorn, R. Jungkuz, and K. W. Biefer.

54211 HADORN, H., and JUNGKUNZ, R. Die untersuchung und beurteilung von zitronenessig. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:55-66. 1951. 389.9 Sw6

A vinegar and citrus juice product.

54212 HARRISON, S., ISHLER, N. H., and LAUE, E. Evaluation and mathematical properties of taste discrimination screening tests based on triangular items. (Abs.) *Food Technol.* 5(5,sup.):17. May 1951. 389.8 F7398

54213 HEID, J. L. Objective measurement in quality control of frozen foods. (Abs.) *Food Technol.* 5(5,sup.):28-29. May 1951. 389.8 F7398

54214 HIGGINBOTHAM, R. S., and GOODISON, D. The fractionation of starch. V-VI. *Brit. Cotton Indus. Res. Assoc. Shirley Inst. Mem.* 24:221-259. Ref. Dec. 1950. 72.9 B773

Pt. V. The determination of the molecular weights of the triacetates of amyloses and amylose fractions by osmotic pressure measurements, by R. S. Higginbotham; Pt. VI. The fractionation of amyloses, by D. Goodison and R. S. Higginbotham.

54215 LEA, C. H., and HANNAN, R. S. The reaction between proteins and reducing sugars in the "dry" state. (Abs.) *Food Technol.* 5(5,sup.):20. May 1951. 389.8 F7398

54216 LOCKHART, E. E. Binomial systems and organoleptic analysis. (Abs.) *Food Technol.* 5(5,sup.):17. May 1951. 389.8 F7398

54217 MALAVOLTA, E. Rapid determination of phosphorus by photoelectric colorimeter. (In Portuguese.) *Rev. de Agr. [Piracicaba]* 26:21-28. Jan./Feb. 1951. 9.2 R324

English summary.
In plant materials.

54218 MOSSEL, D. A. A. Untersuchung über die zuverlässigkeit der biochemischen zuckerbestimmung nach Van Voorst. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:18-22. 1951. 389.9 Sw6

English summary.

54219 NESER, A. T. Some bacteriological aspects of food and drink infection. *Austral. Milk & Dairy Prod. J.* 18:23. Jan. 1951. 44.8 Au72

54220 OSER, B. L. Reflections on gauging the toxicity of chemicals in foods. (Abs.) *Food Technol.* 5(5,sup.):26. May 1951. 389.8 F7398

54221 REYNOLDS, H., and others. Thermal destruction of Cameron's putrefactive anaerobe 3679 in food substrates. (Abs.) *Food Technol.* 5(5,sup.):27. May 1951. 389.8 F7398

A. M. Kaplan, F. E. Spencer, and H. Lichtenstein, joint authors.

54222 SAKURAI, Y. Eiyo kagaku [Chemistry of nutrition]. Tokyo, Asakura Shoten, 1950. 504 p. (Nogei Kagaku Zensho No. 11) 389 Sa12

54223 SUTTON, C. C., AMBLER, R. C., and ARKIN, D. Color measurement in quality control of foods. (Abs.) *Food Technol.* 5(5,sup.):14. May 1951. 389.8 F7398

54224 TÄUFEL, K. Ernährungsforschung und zukünftige lebensmittelchemie. Berlin, Akademie-Verlag, 1950. 29 p. Ref. 389.1 T19

CONSUMPTION AND UTILIZATION

54225 ANGELL, B. Techniques which have been employed successfully in consumer acceptance testing. (Abs.) *Food Technol.* 5(5,sup.):17-18. May 1951. 389.8 F7398

54226 CONSUMPTION of primary products as a function of real income. I-III. *Queensland. Bur. Indus. Rev. Econ. Prog.* 2(8/9), 8 p; (10), 4 p; (11), 4 p. Aug./Sept.-Nov. 1950. 280.9 Q34R

54227 HALL, A. F. The consumer angle—as revealed by newspaper consumer analyses. (Abs.) *Food Technol.* 5(5,sup.):18. May 1951. 389.8 F7398

54228 LIVINGSTON, L. F. Farmers and industry—partners in plastics. *Chemurg. Digest* 10(4):4-6. Apr. 1951. 381 N213Na

54229 MARZI, G. DE. Advances in nutrition. (In Italian.) *Agr. Ital.* 2(1/2):20-25. Jan. 1/15, 1951. 16 Ag822

Data on food consumption and trends in food prices.

54230 SCHAAL, A. A. Consumer trends in new food products for homemakers. (Abs.) *Food Technol.* 5(5,sup.):30-31. May 1951. 389.8 F7398

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 54231 ABEL, P. M. The Royal Commission on Transportation; after a close study of Canadian transportation in all its aspects an eminent commission submits a report which will be hailed with satisfaction in the West Country Guide 1951:7,98-100. Apr.1951. 7 G76
- 54232 AGNEW, H. E., and HOUGHTON, D. Marketing policies. Ed. 2. New York, McGraw-Hill, 1951. 590 p. 280.3 Ag6
Includes food.
- 54233 BARGER, H. The transportation industries, 1889-1946; a study of output, employment, and productivity. New York, 1951. 288 p. (Nat'l. Bur. Econ. Res., P., No. 51) 289 B23
- 54234 BING, F. C. Some practical problems in the introduction of new food products. (Abs.) Food Technol. 5(5,sup.):31. May 1951. 389.8 F7398
- 54235 BRADFORD, E. S. Marketing research; how to analyze products, markets, and methods of distribution. New York, McGraw-Hill, 1951. 379 p. 280.3 B723
- 54236 CORLISS, C. J. Main line of mid-America; the story of the Illinois Central. New York, Creative Age Press, 1950. 490 p. Ref. 289.29 IL63
Contains chapters on agricultural promotion, p.292-300, 414-420.
- 54237 EMERSON, H. C. Transportation of frozen perishables. (Abs.) Food Technol. 5(5,sup.):11. May 1951. 389.8 F7398
- 54238 FOWLER, H. D. Camels of California; a chapter in Western transportation. Stanford, Calif., Stanford U. Press, 1950. 93 p. (Stanford Transportation Ser., 7) 138 F82
- 54239 HOOS, S. Smoothing the road to market. West. Grower & Shipper 22(6):13,15,32-33. May 1951. 280.38 W52
- 54240 LUMBRA, T. G. The truck transportation of perishables. (Abs.) Food Technol. 5(5,sup.):11. May 1951. 389.8 F7398
- 54241 MORILLO, J. Funcionamiento de los distritos de la marketing: organización y celo de socios y empleados es esencial. Lucha 2(21/22):15-16. Mar./Apr.1951. 280.28 L96
Cooperative marketing in Puerto Rico.
- 54242 NISSEN, H. Distribution of frozen foods. Ice & Refrig. 120(5):26-28. May 1951. 295.8 Ic2
- 54243 PEBERAY, J. Limites de la compétence commerciale dans les actions engagées contre les cultivateurs. Rec. de Méd. Vét. 127:97-100. Feb.1951. 41.8 R24
France.
- 54244 PEREZ GARCÍA, M. El intermediario. Agr. Costarricense 9:71-76. Feb.1951. 8 Ag895
Also in Campo [Guadalajara] 19(708):36-39,42-44. Feb.28,1951. 8 G76
- 54245 REDIT, W. H. Mechanical refrigeration in the transportation of perishable food. (Abs.) Food Technol. 5(5,sup.):11. May 1951. 389.8 F7398
- 54246 REED, V. D. New aid to marketing men: State economic areas. Advertising Agency 44(4):54-56,132-133. Apr.1951. 238.28 Ad93
- 54247 REID, E. P. Railway freight revenue and traffic patterns from waybill analysis. Econ. Annal. 21:40-43. Apr.1951. 281.8 Ec72
Canada.
- 54248 SASAKAWA, M. Nōsanbutsu no hambaio [Merchandising of agricultural produce]. Tokyo, 1950. 54 p. 280.3 Sa73
- 54249 TERRY, G. R. Marketing; selected case problems. New York, Prentice-Hall, 1950. 250 p. 280.3 T27
Includes a chapter on marketing in the farm economy.
- 54250 THIERRY, P. La leçon des "marketing boards." Marchés Colon. 7:981-983. Apr.14,1951. 286.8 M33
Meaning of British marketing boards for the French overseas territories.
- 54251 WESTLING, L. L. The marine transportation of perishables. (Abs.) Food Technol. 5(5,sup.):11. May 1951. 389.8 F7398

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 54252 BARER, S., CEAGLSKE, N. H., and GEDDES, W. F. An automatically-controlled five-cabinet system for food stability studies. (Abs.) Food Technol. 5(5,sup.):27. May 1951. 389.8 F7398
- 54253 BERGDOLL, M. S., SURGALLA, M. J., and DACK, G. M. Staphylococcus food poisoning. (Abs.) Food Technol. 5(5,sup.):25. May 1951. 389.8 F7398

- 54254 DEWBERRY, E. B. Food poisoning, its nature, history and causation; measures for its prevention and control. Ed. 3. London, Hill, 1950. 318 p. 448 D512
- 54255 HEBERLEIN, D. G., and others. Factors influencing the stability of thiamine during heat sterilization. (Abs.) Food Technol. 5(5,sup.):27. May 1951. 389.8 F7398
L. R. Ptak, G. H. Bendix, and L. E. Clifcorn, joint authors.
- 54256 HEISS, R. Haltbarkeit und verpackung einiger hygroscopischer lebensmittel. (Sum.) Zucker- u. Süßwaren-Wirt. 3(23):13. Dec.5,1950. 286.86 Z3
- 54257 HILLER, G. A. Foreign bodies in food. Ice Cream Indus. 27:387-388. Apr.1951. 389.8 Ic24
- 54258 HINTON, C. L. Changes in Canadian food regulations. Food [London] 20:133. Apr.1951. 389.8 F738
- 54259 HITCHNER, L. S. Pesticides essential to food production. (Abs.) Food Technol. 5(5,sup.):25. May 1951. 389.8 F7398
Problems of residues.
- 54260 HOPKINS, E. S., and ELDER, F. B. The practice of sanitation. Baltimore, Williams & Wilkins, 1951. 423 p. 449.1 H77
Includes chapters on: Food sanitation and the public health; Milk and milk products; Insect and rodent control.
- 54261 RANDOLPH, T. G. Unlabeled allergenic constituents of commercial foods and drugs; a critique of the Food, Drug and Cosmetic Act. Ann. Allergy 9:151-165. Ref. Mar./Apr.1951. 448.8 An72
- 54262 ROBINSON, R. A. How to fix food standards. Brit. Food J. 53:31-32. Apr.1951. 389.8 B77
- 54263 STATEN, H. W., and JONES, M. D. Farm crops: judging, identification and grading. Philadelphia, Blakiston, 1951. 251 p. Ref. 64 St2
Field crops.
- 54264 TRICHTER, J. Development of self-inspection for sanitation in food plants of New York City. (Abs.) Food Technol. 5(5,sup.):25. May 1951. 389.8 F7398

PACKING AND PACKAGING

- 54265 BRAMSNAES, F., LEEGAARD, A., and HANSEN, E. W. Heat-sealing apparatus for frozen food cartons. (In Danish.) Konserves 9:1-3. Jan.1951. 389.8 K835
English summary.
- 54266 GUSE, V. C. Method for measuring gas tightness of crown closures. (Abs.) Food Technol. 5(5,sup.):12. May 1951. 389.8 F7398
Food packaging.
- 54267 HARTWELL, R. R. Corrosion factors related to the use of tin plate for food containers. (Abs.) Food Technol. 5(5,sup.):10. May 1951. 389.8 F7398
- 54268 LANDROCK, A. H., and PROCTOR, B. E. A new graphical interpolation method for obtaining humidity equilibrium data, with special reference to its role in food packaging studies. (Abs.) Food Technol. 5(5,sup.):13. May 1951. 389.8 F7398
- 54269 LEVINE, A. S., and FAGERSON, I. S. The modern concept of food packaging. (Abs.) Food Technol. 5(5,sup.):12. May 1951. 389.8 F7398
- 54270 MULDOON, T. J., and COUCH, R. DE S. Impact fatigue—a method for predicting bag strength. (Abs.) Food Technol. 5(5,sup.):13. May 1951. 389.8 F7398
Paper bags.
- 54271 MULDOON, T. J., and SYLVESTER, F. J. The transmission of organic vapors through packaging materials. (Abs.) Food Technol. 5(5,sup.):13. May 1951. 389.8 F7398
- 54272 MUNTER, A. M., BYRNE, C. H., and DYKSTRA, K. G. Laboratory procedures for determining performance of frozen food packages. (Abs.) Food Technol. 5(5,sup.):15. May 1951. 389.8 F7398
- 54273 SIMERL, L. E. Adhesives in food packaging. (Abs.) Food Technol. 5(5,sup.):13. May 1951. 389.8 F7398
- 54274 STEVENSON, A. E. Effect of progress in tin plate manufacture on the use of tin plate for cans for foods. (Abs.) Food Technol. 5(5,sup.):10. May 1951. 389.8 F7398
- 54275 WALKER, W. S. Principles of nitrogen packing in flexible films. (Abs.) Food Technol. 5(5,sup.):12. May 1951. 389.8 F7398
Food packaging.

PRICES, PRICE CONTROL, AND RATIONING

- 54276 AGRICULTURAL prices and income. East. Milk Prod. 27(2):12-13. Feb.1951. 280.28 Sh3

54277 CANADA. BUR. OF STATISTICS. LABOUR AND PRICES DIV. PRICES SECT. Wholesale price indexes, 1913-1950 (1935-1939 = 100). Ottawa, 1951. 97 p. (Canada. Bur. Statis. D.B.S. Ref. Papers, No.24) 284.3 C1614

Includes agricultural products.

54278 DEHMEL, A. Rohwaren und preise zur weihnachtssaison. Zucker- u. Süßwaren-Wirt. 3(19):4-5. Oct.5, 1950. 286.86 Z3

Cacao, fruit, and processed milk products in Germany.

54279 DE VRIES, B. A. Price elasticities of demand for individual commodities imported into the United States. Internatl. Monetary Fund. Staff Papers 1:397-419. Apr. 1951. 284.9 In84Sta

54280 DRAKE, L. Explaining present prices. Chain Store Age, Grocery Mgr. Ed. 27(4):82,136. Apr. 1951. 286.28 C34

54281 FLEMING, R. The choice is ours. (Condensed) Soeast. Poultryman 4(3):3,18-22. Mar. 1951. 47.8 So872

Price controls.

Also in Va. Poultryman 5(3):3,18-22. Mar. 1951.

47.8 V812

54282 FOLZ, W. E. Prospects of price control concern farmers of Idaho. Idaho. Agr. Col. Idaho Agr. Sci. 36:6. First Q. 1951. 276 Id13N

54283 HALL, H. W. Are farmers favored? Nation's Agr. 26(5):7,11. May 1951. 280.82 B89

Prices.

54284 HARTMANN, R. Produktionslenkung über den produktenpreis. In Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur, 27. märz 1951, p.239-253. Brugg, 1951. 281 Un37

54285 HAZLITT, H. End price ceilings—and "parity." Newsweek 37(21):81. May 21, 1951. 280.8 N47

54286 LEGER, J. L'instabilité des prix agricoles. Soc. des Agr. d'Algérie. B. 94:37-51. Ref. 1950/1951. 24 Sol

54287 LOGAN, P. B. New foods for institutional use. (Abs.) Food Technol. 5(5,sup.):31. May 1951. 389.8 F7398

Prices in relation to restaurant management.

54288 NATARAJAN, B. Trend of prices in Madras State since 1939. n.p., 1950. 17 p. 284.3 N19

Includes price indexes of agricultural products.

54289 PAARLBERG, D. The case against price controls. Hoosier Banker 35(4):28-31. Apr. 1951. 284.8 H76

54290 PAARLBERG, D. Management problems under price control. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:13-22. Apr. 1951. 281.8 Am32

54291 PICKELL, M. W. What's ahead for the price outlook. Better Farming Better Living 1951:6. Spring 1951. 6 B464

54292 PRAKASH, O. A statistical analysis of the economic conditions of peasants in the Punjab, 1939-1949; being the study of index numbers of parity between the prices received and prices paid by the farmers in the Punjab. East Punjab. Bd. Econ. Inq. P. 8,174 p. 1950. 281.9 Ea72

54293 SANT'AMBROGIO, L. Analysis of retail price curves for food products in Milan during the period 1947-1950. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. B. Econ. II, Studi e Statist. 3(11):13-36. (Concl.) Nov. 1950. 280.9 M587B

54294 SHEPHERD, G. Parity loops again. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:123-124. Feb. 1951. 275.28 Io94

54295 SIMERL, L. H. Price outlook. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:5-12. Apr. 1951. 281.8 Am32

54296 SOAN, H. Stores, swings and roundabouts; a Welsh farmer—for whom the gamble on store prices is too much of a bad thing—puts a reasoned case for a store marketing scheme. Farmers Wk. [London] 34(16):57. Apr. 20, 1951. 10 F2226

54297 STINE, O. C. Farm prices and the outlook in the United States. Internatl. Conf. Agr. Econ. Proc. (1949) 7:179-187. 1950. 281.9 In82

Includes discussion.

54298 THACKREY, J. F. An economist answers questions about parity. Better Farmers 10(10):4,12. Apr. 1951. 6 B462

Also in Calif. Cattleman 1951:6-7. Apr. 1951. 43.8 C12

54299 THOMAS, E. The machinery of forward price-fixing in British agriculture. Internatl. Conf. Agr. Econ. Proc. (1949) 7:166-178. 1950. 281.9 In82

54300 U. S. BUR. OF LABOR STATISTICS. Wholesale prices, 1949. U. S. Bur. Labor Statis. B. 1007,60 p. 1951. 158.6 B87

Includes statistics of farm products.

54301 U. S. COMMODITY CREDIT CORPORATION. Dollars invested by CCC in price support programs and realized gains or losses under the programs from 1933 through December 31, 1950. Washington, 1951. 1 p. 1.957 D69

54302 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Utilization of farm crops: price spreads. Hearings, 81st Cong., 1st sess. pursuant to S. Res. 36, a resolution authorizing an investigation relative to expanded uses of farm crops, pt. 2, Sept. 22, 23, Oct. 6, Nov. 28, 29, 30, Dec. 1, 2, 5, 6, 7, 8, 9, 12, 13, and 14, 1949. Washington, 1950. p.465-1160. 280.3 Un37U

54303 WAITE, W. C., and TRELOGAN, H. C. Agricultural market prices. Ed. 2. New York, Wiley, 1951. 440 p. Ref. 284.3 W13

54304 WENZEL, G. L. The secret to low food costs. Amer. Restaurant Mag. 35(5):62-63,65,68,178. May 1951. 389.2538 Am3

Prices.

PROCESSING AND STORAGE

54305 ATKINSON, F. E. Aseptic canning and high temperature sterilization. Canner 112(19):10-12. May 12, 1951. 286.83 C16

54306 BARRY, T. H. History of quick-freezing. Food [London] 20:134-136. Ref. Apr. 1951. 389.8 F738

54307 BEARD, L. J. How efficient is your storage? Food & Cookery Rev. 19(9):21-22,24. Mar. 1951. 389.8 F7328

Food.

54308 BROWN, H. D. Food technology at the Ohio State University. Food Technol. 5:171-172. May 1951. 389.8 F7398

54309 CAMERON, E. J., and BOHRER, C. W. Food preservation with antibiotics: the problem of proof. (Abs.) Food Technol. 5(5,sup.):26. May 1951. 389.8 F7398

54310 CONLEY, W., and others. The application of "end-over-end" agitation to the heating and cooling of canned food products. (Abs.) Food Technol. 5(5,sup.):26. May 1951. 389.8 F7398

L. Kaap, L. Schuhmann, and J. Retzer, joint authors.

54311 CROSS, J. A. Low temperature evaporation of foods. (Abs.) Food Technol. 5(5,sup.):24. May 1951. 389.8 F7398

54312 CURRY, B., and others. Bibliography: super-sonics or ultrasonics, 1926 to 1949, with supplement to 1950. Stillwater, Res. Found., Oklahoma Agr. and Mech. Col., 1951. 277 p. 241.61 C93

E. Hsi, J. S. Ambrose, and F. W. Wilcox, joint authors. Includes sections on fibers and foods.

54313 DUNKER, C. F., and HANKINS, O. G. A survey of processing methods used in frozen food locker plants. (Abs.) Food Technol. 5(5,sup.):30. May 1951. 389.8 F7398

54314 ECKSTROM, A. W. Low temperature evaporators. (Abs.) Food Technol. 5(5,sup.):24. May 1951. 389.8 F7398

54315 FEHLBERG, E. A., and SLATER, L. E. Techniques in the automatic control of low-temperature vacuum food concentration. (Abs.) Food Technol. 5(5,sup.):14. May 1951. 389.8 F7398

54316 FLORIDA. DEPT. OF AGRICULTURE. BUR. OF IMMIGRATION. Reports on progress of industry in Florida. Tallahassee, 1950. 116 p. 280.017 F662Re

Includes processing industries.

54317 GILDERSLEEVE, N. Physics and special instrumentation. (Abs.) Food Technol. 5(5,sup.):28. May 1951. 389.8 F7398

54318 GILLESPIE, T. G. Estimation of sterilizing values of processes as applied to canned foods. I. J. Sci. Food & Agr. 2:107-125. Ref. Mar. 1951. 382 Sol2

54319 GUASTALLA, M., and others. Vademecum del conserviere [Vademecum of the preserver]. Parma, 1950. 478 p. 389.3 G93

G. Mauri, A. Gazza, M. Gazza, O. Cappelli, F. Massa, and M. Molinari, joint authors.

54320 GUERCHY, J. DE. Le conditionnement des produits. Marchés Colon. 7:1197-1199. Apr. 28, 1951. 286.8 M33

Agricultural products on the Ivory Coast.

54321 HANSON, H. L., CAMPBELL, A., and LINE-WEAVER, H. Preparation of stable frozen sauces and gravies. (Abs.) Food Technol. 5(5,sup.):30. May 1951. 389.8 F7398

54322 HERMAN, L. B., and REED, C. L. The effective control of mold growth on walls and ceilings of food processing plants. (Abs.) Food Technol. 5(5,sup.):22. May 1951. 389.8 F7398

STATISTICS

- 54323 HERRMANN, C. A. Control of sanitation in food and drug plants. (Abs.) Food Technol. 5(5,sup.):24-25. May 1951. 389.8 F7398
- 54324 HJLL, L. W., and FLOSDORF, E. W. Low temperature evaporation of food products. (Abs.) Food Technol. 5(5,sup.):24. May 1951. 389.8 F7398
- 54325 INSTITUTE OF FOOD TECHNOLOGISTS. Technical program and abstracts, eleventh annual meeting, June 17-21, 1951, New York. Food Technol. 5(5,sup.):32 p. May 1951. 389.8 F7398
- 54326 KENNEY, F. V. Statistical quality control of food plant processing. (Abs.) Food Technol. 5(5,sup.):14. May 1951. 389.8 F7398
- 54327 KIDD, F. Food research under the Department of Scientific and Industrial Research. Roy Soc. London. Proc. Ser. B, Biol. Sci. 138(890):31-47. Feb. 15, 1951. 501 L84B
- Processing and storage.
- 54328 KOLACHOV, P., and NICHOLSON, L. W. Carbohydrate sources for ethyl alcohol production. Econ. Bot. 5:60-81. Jan./Mar. 1951. 450 Ec7
- 54329 LEOPOLD, F. Kälte in der Landwirtschaft. Kälte 4:1-6. Jan. 1951. 295.8 K122
- 54330 LONGENECKER, H. E. Development of guiding principles for the use of chemical additives in foods. (Abs.) Food Technol. 5(5,sup.):25. May 1951. 389.8 F7398
- 54331 LUBIENIECKA-VON SCHELHORN. Wirkungsbereich und anwendungsmöglichkeiten altbekannter und neuerer konservierungsmittel. (Sum.) Zucker- u. Süßwaren-Wirt. 3(23):13. Dec. 5, 1950. 286.86 Z3
- 54332 MACINTIRE, H. J., and HUTCHINSON, F. W. Refrigeration engineering. Ed. 2. New York, Wiley, 1950. 610 p. 295 M182
- Includes freezing of food.
- 54333 MERRILL, J. B. Economic, functional and bacteriological aspects of a Carrier-Howard concentrator as applied to food products. (Abs.) Food Technol. 5(5,sup.):24. May 1951. 389.8 F7398
- 54334 PEPE, T. L. The use and advantages of drying with infrared rays. (In Italian.) Chimica 6:57. Feb. 1951. 385 C445
- Agricultural products.
- 54335 POWERS, J. J., FORD, R. W., and MILLS, W. C. Top-inlet heating of retorts and spray cooling of glass jars in community canneries. Food Technol. 5:187-190. Ref. May 1951. 389.8 F7398
- 54336 PROCTOR, B. E., and GOLDBLITH, S. A. Food processing with ionizing radiations. (Abs.) Food Technol. 5(5,sup.):26-27. May 1951. 389.8 F7398
- 54337 RADLEY, J. A. Ultra-violet radiation in the food industry. 4. Food [London] 20:132-133. Apr. 1951. 389.8 F738
- Food sanitation.
- 54338 REED, J. M., and BOHRER, C. W. Engineering factors relating to spoilage control in canning factories. Canner 112(17):10-12, 14. Apr. 28, 1951. 286.83 C16
- 54339 SAITO, K. Hakko seirigaku [Fermentation physiology]. Tokyo, Maruzen Shuppan, 1950. 247 p. 390 Sa23
- 54340 SCHWARZ, H. W. Comparison of low-temperature evaporators. (Abs.) Food Technol. 5(5,sup.):24. May 1951. 389.8 F7398
- 54341 SOMERS, I. I. If detergents could talk. Ideas 1(4):8. Jan. 1951. 44.8 Id2
- Food industry sanitation.
- 54342 TRUAX, D. L. Why sanitation in the food industry. Amer. Soc. Enol. Proc. 1:124-128. 1950. 390.9 Am33
- 54343 VERONA, O. Microbiologia delle fermentazioni e microbiologia industriale [Microbiology of fermentations and industrial microbiology]. Firenze, Macri, 1950. 1022 p. 448.2 V59
- 54344 WALL, S., and HAMMONDS, C. Food for home use; producing and conserving. Lexington, Ky., Hurst, 1951. 282 p. 389 W152
- Fruit and vegetable culture and processing, livestock care, and meat processing.
- 54345 WALTERS, T. G. Community canning centers gain flexibility with addition of equipment making canning in glass practical. Agr. Educ. Mag. 23:251, 253. May 1951. 275.8 Ag8
- 54346 WILDHACK, W. A. Instrumentation and research at the National Bureau of Standards. (Abs.) Food Technol. 5(5,sup.):27-28. May 1951. 389.8 F7398
- 54347 ALBERTARIO, P. Economic results of the past year. (In Italian.) Agr. Ital. 2(1/2):12-19. Jan. 1/15, 1951. 16 Ag822
- Statistics of prices and production of agricultural products.
- 54348 BAHIA, BRAZIL (STATE) DEPT. ESTADUAL DE ESTATISTICA. Produção agrícola (1945-1949) [Agricultural production (1945-1949)]. Bahia, 1950. 78 p. 255.3 B147Pr
- 54349 BRAZIL. DEPARTAMENTO DE GEOGRAFIA E ESTATISTICA. PREFEITURA DO DISTRITO FEDERAL. Anuário estatístico do Distrito Federal, 1950. volume II. Estatística econômica [Statistical annual of the Federal District, 1950. Volume II. Economic statistics]. Rio de Janeiro, 1950. 148 p. 255.3 In72
- Includes a chapter on agriculture.
- 54350 CANINA, F. G. The problem of raw materials. (In Italian.) Cron. Econ. 97:19-20. Jan. 1951. 280.8 C882
- Statistics for Italy.
- 54351 GT. BRIT. CENTRAL STATISTICAL OFF. Annual abstract of statistics, No. 87, 1938-1949. London, 1951. 312 p. 256.03 T67U
- Includes agricultural statistics.
- 54352 INDIA. MINISTRY OF AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Average yield per acre of principal crops in India 1937-38-1946-47. Calcutta, 1950. 34 p. 269.5 St2Q
- 54353 MANUFACTURERS RECORD PUBLISHING CO. The blue book of Southern progress, 1951 edition. Baltimore, 1951. 164 p. 252 M312
- Includes agricultural statistics.
- 54354 QUEBEC. BUR. DES STATISTIQUES. Areas under crop and live stock on farms at June 1st 1950. Quebec, 1950. 24 p. 253.8 Ag82L
- 54355 UNION OF SOUTH AFRICA. OFF. OF CENSUS AND STATISTICS. Report on agricultural and pastoral production 1946-47; agricultural census No. 21. Pretoria, 1950. 95 p. 270 So87
- 54356 YOLO COUNTY, CALIF. DEPT. OF AGRICULTURE. Agricultural crop report, 1950. Woodland, 1950. 8 p. 252.09 Y7

BEVERAGES AND CONDIMENTS

- 54357 ALIKONIS, J. J., and FARRELL, K. T. Extending shelf life of cocoa type coatings for use in Army rations. (Abs.) Food Technol. 5(5,sup.):19-20. May 1951. 389.8 F7398
- 54358 AMERICAN SOCIETY OF ENOLOGISTS. Proceedings, first annual open meeting, Davis, California, July 26-27-28, 1950. n.p., 1950. 149 p. 390.9 Am33
- 54359 AMERINE, M. A., and WHEELER, L. B. A check list of books and pamphlets on grapes and wine and related subjects, 1938-1948. Berkeley, U. California Press, 1951. 240 p. 241 Am392
- 54360 BARISONI, E. Wines from all the lands of Italy: the last glass! (In Italian.) Gior. di Agr. 61:118. Apr. 15, 1951. 16 It1G
- 54361 BARTON-WRIGHT, E. C., and HARRIS, G. Carbohydrate composition of wort and the biochemistry of fermentation. Nature [London] 167:560-561. Apr. 7, 1951. 472 N21
- 54362 BEEBE-CENTER, R. Quality control of spices at source can be obtained through cooperation. Tea & Coffee Trade J. 100(5):62. May 1951. 68.8 T22
- 54363 BENARD, E. S. La calidad, beneficio y cateo del café. Café de Nicaragua 7(75/76):16-17. Feb./Mar. 1951. 68.28 C114
- 54364 BERTI, L. A. Effect on wine of type of packaging. Amer. Soc. Enol. Proc. 1:119-123. 1950. 390.9 Am33
- 54365 BONVIN, F. Moins de vin, mais meilleur! France. Min. de l'Agr. B. Tech. d'Inform. 56:5-10. Jan./Feb. 1951. 14 F844B
- 54366 BRANAS, J. Eléments pour servir à l'orientation de la production viticole française. France. Min. de l'Agr. B. Tech. d'Inform. 56:10-27. Jan./Feb. 1951. 14 F844B
- 54367 BRAZIL. INSTITUTO NACIONAL DO MATE. Boletim estatístico 1950 [Statistical bulletin 1950]. Rio de Janeiro? 1950. 44 p. 255.3 In74
- 54368 BRAZIL. INSTITUTO NACIONAL DO MATE. Relatório, outubro 1950 [Report, October 1950]. Rio de Janeiro? 1950. 137 p. 281.3689 B73R
- 54369 BROWN, E. M. A new off-odor in sweet wines. Amer. Soc. Enol. Proc. 1:110-112. 1950. 390.9 Am33

- 54370 BRUNO, B. Glance at Tuscan wine manufacture. (In Italian.) Agr. Tosc. 6:101-103. Mar.1951. 16 Ag827
- 54371 CARDONNE, P. Les caves coopératives et le mode de répartition des vins. Tribune Agr. (n.s.)44(797): 1. Jan.15,1951. 24 T732
Algeria.
- 54372 CASTOR, J. G. B. Biochemical events during vinous fermentation. Amer. Soc. Enol. Proc. 1:21-27. 1950. 390.9 Am33
- 54373 CHANCIN, E. Le vin; procédés modernes de préparation, d'amélioration et de conservation. Ed. rev. by A. Dufoux. Paris, Hachette, 1950. 250 p. (Encyclopédie des Connaissances Agricoles) 390.1 C36
- 54374 CHROMATOGRAPHIC analysis; a seminar. Amer. Soc. Enol. Proc. 1:138-142. 1950. 390.9 Am33
F. Stadtman, leader.
- 54375 CLARIFICATION of wine; a seminar. Amer. Soc. Enol. Proc. 1:79-80. 1950. 390.9 Am33
J. H. Fessler, leader.
- 54376 CLERCK, J. DE. Bières stables sans pasteurisation. Louvain. U. Assoc. des Anciens Etud. en Brasserie. B. 46:185-194. Dec.1950. 390.9 L93
- 54377 CROCKER, E. C. The flavor approach to quality. Amer. Brewer 84:33-36. Apr.1951. 390.8 Am3
- 54378 CRUESS, W. V. Minor constituents of vinous fermentation. Amer. Soc. Enol. Proc. 1:28-36. Ref. 1950. 390.9 Am33
- 54379 DEHMEL, A. Geschmacksvariationen bei tafelschokoladen. Zucker- u. Süßwaren-Wirt. 3(23):6-7. Dec.5,1950. 286.86 Z3
- 54380 DEHMEL, A. Störungsmomente auf dem west-deutschen schokoladenmarkt. Zucker- u. Süßwaren-Wirt. 3(20):10-11. Oct.20,1950. 286.86 Z3
- 54381 DESCAMPS, A. L'étiquetage des bouteilles. Louvain. U. Assoc. des Anciens Etud. en Brasserie. B. 47:1-24. Mar.1951. 390.9 L93
- 54382 DESPORTES, P. Le cacao, élément essentiel de la prospérité de la Côte d'Ivoire, doit être protégé. Marchés Colon. 7:1189-1191,1193. Apr.28,1951. 286.8 M33
- 54383 DUBLED, R. Le café. Marchés Colon. 7:1185, 1187-1188,1193. Apr.28,1951. 286.8 M33
Ivory Coast.
- 54384 EASTON, N. R., and BARTRON, L. R. The use of modifiers in chocolate. (Abs.) Food Technol. 5(5,sup.): 22. May 1951. 389.8 F7398
- 54385 FERREIRA, A. A campaign of technical assistance in the Mealhada Council. (In Portuguese.) Granja [Lisboa] 9:83-118. Apr./June 1950. 15.5 G76
Portuguese wine industry.
- 54386 FESSLER, J. H. Clarification of wines. Amer. Soc. Enol. Proc. 1:73-78. 1950. 390.9 Am33
- 54387 FILTRATION; a seminar. Amer. Soc. Enol. Proc. 1:81-85. 1950. 390.9 Am33
Discussion by M. W. Turbovsky, J. Fessler, H. W. Berg, and K. Dern; M. Goldman, leader.
- 54388 FLANZY, M. Pourquoi et comment récupérer les sous-produits de la vigne et du vin. France. Min. de l'Agr. B. Tech. d'Inform. 56:151-159. Ref. Jan./Feb. 1951. 14 F844B
- 54389 FONTANILLE, H. La récolte des vins tunisiens et marocains. Algérie Agr. et Vitic. 29(1158):1. Mar.10, 1951. 24 AL37
Statistics.
- 54390 GAZZERA, E. Even wines become sick! (In Italian.) Lotte Contadine 2(4):4. Mar.10 1951. 16 L91
- 54391 GESSAT, R. La formation professionnelle des vinificateurs. B. -- Réalisations en Loir-et-Cher. France. Min. de l'Agr. B. Tech. d'Inform. 56:177-178. Jan./Feb. 1951. 14 F844B
- 54392 GRASSO, S. New aspects of decoloration with resins. (In Italian.) Olearia 5(1/2):24-27. Ref. Jan./Feb. 1951. 307.8 OL2
English summary.
Includes wine and molasses.
- 54393 GRAVEUX, E. Les caves coopératives: conception et construction. France. Min. de l'Agr. B. Tech. d'Inform. 56:161-169. Jan./Feb.1951. 14 F844B
- 54394 GUGELBERG, A. VON. Der staatsinterventionismus in der schweizerischen weinwirtschaft. Chur, Bischofberger, 1950. 167 p. 390.1 G93
- 54395 GUTARRA, M. El control del efecto de la acidez en los vinos y la concentración ionica. Agronomia [Lima] 15(64):61-62. Dec.1950. 9.8 Ag83
- 54396 HEISS, R. Möglichkeiten der kakaoforschung. (Sum.) Zucker- u. Süßwaren-Wirt. 3(23):12. Dec.5, 1950. 286.86 Z3
- 54397 HENNIG, K. Chemische untersuchungsmethoden für weinbereiter und süßmosthersteller. Ed. 3, rev. Stuttgart, Ulmer, 1950. 102 p. (Grundlagen und Fortschritte im Garten- und Weinbau, Heft 43) 390.1 H392
- 54398 HENRI, C. Es necesario rejuvenecer la etiqueta? Vinos, Vinas y Frutas 45:378-382. Feb.1951. 9 Ag89
- 54399 HOPKINS, R. H. L'amidon et les amylases. Louvain. U. Assoc. des Anciens Etud. en Brasserie. B. 46:149-160. Dec.1950. 390.9 L93
- 54400 HUBNER, G. Die verreibung der schokoladenmassen auf modernen fünfwalzwerken. Zucker- u. Süßwaren-Wirt. 3(21):11-12. Nov.5,1950. 286.86 Z3
- 54401 JOHNSTON, W. R., and FOOTE, H. E. The development of a new process for curling coffee. (Abs.) Food Technol. 5(5,sup.):21. May 1951. 389.8 F7398
- 54402 KEEGEL, E. L. Investigations into the methods of increasing the outturn of the Fannings grade. Ceylon. Tea Res. Inst. Tea Q. 21(2/3):5-12. June/Sept. 1950. 68.18 C33
- 54403 KENT, W. H. Tea auctions a fillip to private enterprise. Grocer 172(4650):23. Apr.21,1951. 286.83 G895
London.
- 54404 KERR, J. Know your ingredients; cocoa and chocolate. Brit. Baker 122:494-495,534-535. (Cont.) Apr.6-13,1951. 389.8 B772
- 54405 KIR'ÁLOVA, E. N. Problems of microbiology in fruit and berry wine manufacture. (In Russian.) Latv. PSR Zinātņu Akad. Vēst. 1:87-92. 1950. 511 R442
- 54406 KLOSS, C. A. The art and science of brewing. London, Stuart, 1950? 121 p. 390.1 K693
- 54407 KOCH, J. Shell in cocoa products. Confectionery Prod. 17:249,251,253. Apr.1951. 389.8 C762
- 54408 LAMOUR, P. Pour une réforme viticole. France. Min. de l'Agr. B. Tech. d'Inform. 56:183-184. Jan./Feb.1951. 14 F844B
Production of less wine at better quality.
- 54409 LOVE, R. F. Methods of analysis for tartrates in fruit and berry wines. Amer. Soc. Enol. Proc. 1:143-146. 1950. 390.9 Am33
- 54410 LÜERS, H. Die wissenschaftlichen grundlagen von mälzerei und brauerei. Nürnberg, Carl, 1950. 1006 p. Ref. 390.1 L962
- 54411 LUERS, H. Zur frage des metallfasses. Brauwelt 1951:229-230. Mar.22,1951. 390.8 B732
- 54412 MARTIN, P., NEGRE, E., and BUCHET, G. La formation professionnelle des vinificateurs. A. -- Réalisations dans le Midi. France. Min. de l'Agr. B. Tech. d'Inform. 56:173-177. Jan./Feb.1951. 14 F844B
- 54413 MARTINI, L. P. Flor sherry experiments. Amer. Soc. Enol. Proc. 1:113-118. 1950. 390.9 Am33
- 54414 MARTINVAL, E., and NOLLEVALLE, J. Les coopératives de vinification en Champagne. France. Min. de l'Agr. B. Tech. d'Inform. 56:169-170. Jan./Feb.1951. 14 F844B
- 54415 METHODS of treating or processing heads & principles or fusel oil separation during distillation; a seminar. Amer. Soc. Enol. Proc. 1:86-100. 1950. 390.9 Am33
Discussion by Z. Halperin, J. F. Guymon, C. Crawford, J. E. Heitz, and R. Gianelli; Guymon, chairman.
- 54416 MICKEVICZ, M. J. Modern chocolate testing methods. Confectioner 36:11-12. May 1951. 389.8 N81
- 54417 MIRA, E. (HIJO). Bodegas cooperativas. II. Recepción de la uva. Cooperación [Madrid] 107/108:36-37;109:20-21. Jan./Feb.-Mar.1951. 280.28 C7875
Spain.
- 54418 MORISON, F. S. Experimental fermentation with and without pectic enzymes. Amer. Soc. Enol. Proc. 1:53-68. 1950. 390.9 Am33
- 54419 MORROW, M. G. More spice than ever. Sci. News Let. 59:314-315. May 19,1951. 470 Sci24
- 54420 MUELLER, W. Amerikas kakao-produktion wieder aktiv. Zucker- u. Süßwaren-Wirt. 4:144-145. (Cont.) Feb.20,1951. 286.86 Z3
- 54421 NEGRE, E. Comment améliorer les vins de consommation courante. France. Min. de l'Agr. B. Tech. d'Inform. 56:145-148. Jan./Feb.1951. 14 F844B
- 54422 NITSCHKE, E. Recherche d'une aromatisation des vins blancs par "Coriandrum sativum L." Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:7-13. 1951. 389.9 Sw6
- 54423 O'NEAL, R., and CRUESS, W. V. Comparative effects of casein, gelatin and bentonite fining. Amer. Soc. Enol. Proc. 1:69-72. 1950. 390.9 Am33
- 54424 PERYAM, D. R., and SWARTZ, V. W. Methodology for sensory evaluation of imitation peppers. Food Technol. 5:207-210. May 1951. 389.8 F7398
- 54425 PESTEL, H. Le rôle éducatif des agents techniques de l'Institut National des Appellations d'Origine des Vins et Eaux-de-Vie. France. Min. de l'Agr. B. Tech. d'Inform. 56:179-181. Jan./Feb.1951. 14 F844B
- 54426 POOL, A., and HEITZ, J. E. Correlation of fortifying brandy with wine quality. Amer. Soc. Enol. Proc. 1:101-109. 1950. 390.9 Am33

- 54427 PROBLEMS of table wine production; a seminar. Amer. Soc. Enol. Proc. 1:47-52. 1950. 390.9 Am33
A. D. Webb, B. Suverkrop, and S. Nasledov, leaders.
- 54428 LA PRODUCTION viticole, son évolution. France. Min. de l'Agr. B. Tech. d'Inform. 56,184 p. Jan./Feb.1951. 14 F844B
- 54429 REMOND, J. Le contrôle de la vinification dans les caves coopératives; rôle de l'Institut Coopératif du Vin. France. Min. de l'Agr. B. Tech. d'Inform. 56:170-171. Jan./Feb.1951. 14 F844B
- 54430 RENTSCHLER, H. Bentonit, ein neuartiges kellerbehandlungsmittel zur entfernung von eiweisstoffen aus getränken. Schweiz. Z. f. Obst- u. Weinbau 60:184-185. May 5, 1951. 80 Sch9
- 54431 RIBEREAU-GAYON, J., and PEYNAUD, E. Sur la conduite de la vinification. Acad. d'Agr. de France Compt. Rend. 36:697-700. Dec.13/20, 1950. 14 P215Bc
- 54432 ROSSI FERRINI, U. Rainbow of the grape and wine. (In Italian.) L'otte Contadine 2(5):4. Mar.25, 1951. 16 L91
- 54433 ROY, J. Vins déclassés. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-vie. B. 36:56-58. Jan.1951. 390.9 F843
France.
- 54434 SCHLEIFER, N. L. Why the master brewer should take an interest in barley. Master Brewers Assoc. Amer. Commun. 12(3/4):4-5. Mar./Apr.1951. 390.9 M39C
Varieties.
- 54435 SCHLICHTING, H. J. Comprehensive public relations plan spearheads spice promotion campaign. Tea & Coffee Trade J. 100(5):58,60-61. May 1951. 68.8 T22
- 54436 SCHWEISHEIMER, W. Spices have played a romantic part in the history of food preparation. Tea & Coffee Trade J. 100(5):12,71. May 1951. 68.8 T22
- 54437 SIMON, L. Les améliorations à apporter à la préparation des vins blancs d'Anjou. France. Min. de l'Agr. B. Tech. d'Inform. 56:149-150. Jan./Feb.1951. 14 F844B
- 54438 SPOELBERCH, A. DE. Ce que j'ai vu dans les brasseries américaines. Louvain. U. Assoc. des Anciens Etud. en Brasserie. B. 47:25-34. Mar.1951. 390.9 L93
- 54439 TOURNIER, G. Ferrocyanure de potassium et clarification des vins blancs. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-vie. B. 36:4-8. Jan.1951. 390.9 F843
- 54440 THE USE of sanitation to control yeast, bacteria and molds; a seminar. Amer. Soc. Enol. Proc. 1:129-137. 1950. 390.9 Am33
Discussion by R. H. Vaughn, D. Truax, D. Little, and E. M. Mrak; R. H. Vaughn, leader.
- 54441 VINALS, J. M. Rendimientos de la vendimia en mosto y vino. II. Cár. Ofic. Sind. Agr. de Barcelona. B. 6:10-11. Jan.1951. 15 C14
Statistical, for Spain.
- 54442 WIJNOOGST, H. C. J. Das walzen der schokoladenmassen. Zucker- u. Süßwaren-Wirt. 3(22):30. Nov.20, 1950. 286.86 Z3
- 54443 WOOD, E. E. The determination of fat and sugar in chocolate. Canad. J. Technol. 29:66-70. Feb. 1951. 470 C16F
- 54444 WYLER, O. Zur analyse von kaffee, kaffee-extrakten und kaffee-surrogaten. Mitt. aus den Geb. der Lebensmitteluntersuch. u. Hyg. 42:67-71. 1951. 389.9 Sw6
- 54445 YEAST autolysis; a seminar. Amer. Soc. Enol. Proc. 1:37-46. 1950. 390.9 Am33
J. G. B. Castor and D. C. Vosti, leaders.
- DAIRY PRODUCTS**
- 54446 AGENJO CECILIA, C. El abasto de leche en Barcelona. Ganadería [Madrid] 9:15-17. Jan.1951. 49 G15
- 54447 AUSTRALIA. DAIRY PRODUCE BOARD. Twenty-fifth annual report for year 1949-1950. Melbourne? 1950. 39 p. 44.9 Au72
- 54448 BAULAND, T. H. What the ice cream industry needs. Canad. Dairy & Ice Cream J. 30(4):88. Apr.1951. 44.8 C162
- 54449 BUSHNELL, H. H. Yogurt—tiny souring organism creates "new" food, big coast creamery business. West. Dairy J. 7(6):33-34. Apr.1, 1951. 44.8 W524
- 54450 CAMERON, W. C. Dairy situation and outlook. Canad. Dairy & Ice Cream J. 30(4):34-35,86,88. Apr. 1951. 44.8 C162
- 54451 COLVARD, D. W. Trends in North Carolina dairy industry. Farmers Fed. News 31(8):4,9. Apr.1951. 280.28 F225
- 54452 CONNELLY, H. M. Dairying is everybody's business. South. Dairy Prod. J. 49(4):145-147. Apr. 1951. 44.8 So83
- 54453 DAIRY INDUSTRY COMMITTEE. The top six inches, our greatest natural resource. Washington, 1950. 6 p., folder. 44 D144T
Soil conservation in relation to the dairy industry.
- 54454 DIBBERN, H. Milchgewinnung und milchverarbeitung für molkereifachleute, bauern, melker, stall- und molkereikontrolleure. Hilstrup bei Münster, Landwirtschaftsverlag, 1950? 85 p. 44 D542
- 54455 DIDIER, A. Les participations de l'Office National du Lait aux expositions et manifestations 1950. Belg. Lait. 5(17):7,9,11,13. Jan.1951. 44.8 B412
- 54456 ELDRIDGE, E. F. Fifteen ways to reduce wastes from milk plants; suggestions which control production of wastes at source. (Excerpts.) Wastes Engin. 22:270. May 1951. 449.8 M92
- 54457 ENRIGHT, T. R. The milk plant fieldman. Milk Plant Mon. 40(5):44,60,74. May 1951. 44.8 C864
- 54458 ESCHE, E., and NEITZKE, A. Die betriebsverhältnisse, die versorgungsleistungen und die wirtschaftlichkeit des stuttgarter milchhandels. Kieler Milchwirt. Forschber. 2:156-198. 1950. 44.9 K542
- 54459 EVANS, G. E. Dairying—1812. Milk Indus. 31(10):52-54. Apr.1951. 44.8 M593
Great Britain.
- 54460 FARLEY, M. L. Commercial goat dairies in America. Brit. Goat Soc. Ybk. 1951:45,47. 40.19 B77
- 54461 FARRELL, M. W. Canadian butter: appraisal and future. Canad. Dairy & Ice Cream J. 30(4):58,60. Apr.1951. 44.8 C162
- 54462 FERRAGUTI, M. L'importance du traitement du lait dans l'alimentation. Roma, Bardi, 1950? 20 p. 280.344 F41
Milk industry.
- 54463 GRUBNIK, S. Methods for checking the work of milk collecting stations. (In Russian.) Moloch. Promysh. 11(11):42. Nov.1950. 44.8 M734
Accounting.
- 54464 HALL, H. T. B. Some aspects of dairying in Fiji. Fiji. Dept. Agr. Agr. J. 21:11-20. Ref. Mar./June 1950. 25 F47Ag
- 54465 HAMILTON, W. M., and MITCHELL, K. J. Dairymaking in Waipa County. Massey Agr. Col. Dairymaking Annu. 3:40-41,43-47,49,51-52. Nov.1950. 44.9 M382
- 54466 HENKEL, T. Katechismus der milchwirtschaft. Ed. 8, rev. by K. Zeiler. Stuttgart, Ulmer, 1950. 267 p. 44 H382
- 54467 INKHOV, G. Outline and quality of training specialists [for the dairy industry]. (In Russian.) Moloch. Promysh. 11(11):25-27. Nov.1950. 44.8 M734
- 54468 JACOB, A. W. The dairy outlook. South. Dairy Prod. J. 49(4):31,128. Apr.1951. 44.8 So83
- 54469 JAGGARD, G., and RANSOM, M. W. A product for consideration by the dairy industry; yoghurt cream. Milk Plant Mon. 40(4):54-56. Apr.1951. 44.8 C864
- 54470 KRENN, J. Zeitgemässe fragen in der milchwirtschaft, wissenschaftlich behandelt. Bodenkultur 4:465-476. 1950. 19 B635
Austria.
- 54471 LE ROI, D. Hard-pressed cheeses. 1. Milk Indus. 31(9):68-73. Mar.1951. 44.8 M593
- 54472 LEVY, E. B. Some impressions of British dairymaking. Massey Agr. Col. Dairymaking Annu. 3:53-63,65-68. Nov.1950. 44.9 M382
- 54473 LIST, A. Die milchwirtschaft in Österreich. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949:221-224,226-228. 1950. 19 Au72J
- 54474 MCELROY, J. W. The IACM [International Association of Ice Cream Manufacturers] system of cost accounting for the ice cream plant. South. Dairy Prod. J. 49(4):100,134-137. Apr.1951. 44.8 So83
- 54475 MACKENZIE, P. K. The effect of recent legislation on ice cream. Milk Indus. 31(9):56-59. Mar. 1951. 44.8 M593
Great Britain.
- 54476 MACKENZIE, P. K. Ice cream and dairying. Milk Indus. 31(10):55-58. Apr.1951. 44.8 M593
The industry in Great Britain.
- 54477 MARRACINO, R. The southern livestock and cheese problem. (In Italian.) Latte 25:101-102,153-154. (Cont.) Mar.-Apr.1951. 44.8 L35
- 54478 MASSEY AGRICULTURAL COLLEGE. Dairymaking annual, 1950; including the proceedings of the fifth annual meeting of dairymakers held at Massey Agricultural College, June 6, 7, 8 and 9, 1950. Wellington, 1950. 179 p. 44.9 M382

54479 MATVEEV, P. Periodic accounts by striking a balance. (In Russian.) Moloch. Promysh. 11(11):40-41. Nov.1950. 44.8 M734
In butter industry.

54480 MINUT, J. Gegenwärtiger stand der milchwirtschaft in Brasilien. III. Milchwissenschaft 6:86-87. Mar. 1951. 44.8 M5933

English summary.

54481 NIELSEN, A. R. The dairy industry in Europe (seen through American eyes). (Abs.) Milk Messenger 28(3):6-7. Mar.1951. 44.8 M5925

54482 NORTHEASTERN DAIRY CONFERENCE. EXECUTIVE COMMITTEE. Dairy production and marketing in the Northeast, by J. D. Lee. Ithaca?N. Y., 1950. 57 p. 281.344 N812

54483 PARK, W. J. The Victorian cheese industry; recent advances. Victoria. Dept. Agr. J. 49:67-72,83. Feb.1951. 23 V66J

54484 POPOV, I., and MALUSHKO, V. Industrial teaching in the school for masters [in dairy industry]. (In Russian.) Moloch. Promysh. 11(11):28-32. Nov.1950. 44.8 M734

54485 RIGG, N. J. Cheese from the small surplus. Brit. Goat Soc. Ybk. 1951:33,35. 40.19 B77

54486 RIGGS, L. K. New dairy products. (Abs.) Food Technol. 5(5,sup.):32. May 1951. 389.8 F7398

54487 SCHIE, A. J. VAN. Perikelen Federation. (In Dutch.) Melk- en Zuivelhandel 4:43. Mar.14,1951. 44.8 M48

Dairy industry in the Netherlands.

54488 SOUCHON, P. La production laitière en Amérique. Voix de l'Elevage (ser.3)6:4,6; (ser.4)7:5. Christmas,1950-Jan.10,1951. 44.8 Ac8

Title varies.

54489 THIELEMANS, G. La base juridique de l'activité de l'Office National du Lait: politique et législation laitière. Belg. Lait. 5(17):5-6;(18):2-4. (Cont.) Jan.-Mar. 1951. 44.8 B412

54490 TWOMEY, T. P. J. Progress in New Zealand's town milk industry. Dairyman 68:271,273,275,277,279. May 1951. 44.8 D1426

54491 WEISSENBERG, H. Die schleswig-holsteinische butterzeugung u.-verwertung. Kieler Milchwirt. Forscher. 2:111-122. Ref. 1950. 44.9 K542

Analysis and Composition

54492 ALBERTS, R. J. The Babcock test. Dairy World 29(11):6-7,38. Apr.1951. 44.8 D1423

54493 ASHWORTH, U. S. Turbidity as a means for determining the efficiency of homogenization. J. Dairy Sci. 34:317-320. Apr.1951. 44.8 J822

54494 BAKALOR, S. Investigations on the composition of South African milk. VI. The Cape Town City milk supply. Union So. Africa. Dept. Agr. B. 301,16 p. Ref. July 16,1948,pub.1950. 24 So84P

54495 CHELQUIST, G. Butterfat testing. Dairymen's Price Rptr. 33(4):2-5,10-11,13-14. Apr.1951. 280.28 D14

54496 CHURCHILL, E. S., and others. A report on the modified phosphatase method of detecting antibiotic substances in milk. Milk Plant Mon. 40(4):28-31. Apr. 1951. 44.8 C864

A. R. Drury, B. D. Lewis, C. L. Frank, and C. S. Bryan, joint authors.

54497 DUNKLEY, W. L., and SOMMER, H. H. The creaming of milk. Canad. Dairy & Ice Cream J. 30(4): 62,70,72,74,90. Ref. Apr.1951. 44.8 C162

54498 ERDMAN, I. E., and THORNTON, H. R. Psychrophilic bacteria in Edmonton milk and cream. I-II. Canad. J. Technol. 29:232-242. Ref. May 1951. 470 C16F

I, Numbers; II, Kinds.

54499 GHO E., S. La leche: características y conservación. Agr. Austral 19:47-48. Feb.1951. 9.3 Ag842

54500 KING, N. The structure of Alfa butter. (Alfa-smörets struktur). Alnarps Lantbr.-, Mejeri- och Trädgardsinst. Stat. Mejeriförsök. Meddel. 30, 28 p. Ref. 1951. 44.9 AL6

54501 KOSOBRIUKHOV, A. Ash content in kumiss. (In Russian.) Moloch. Promysh. 11(11):46-47. Nov.1950. 44.8 M734

54502 KRAUSS, B. Über die bestimmung des redoxpotentials in milch. Kieler Milchwirt. Forscher. 2:127-151. Ref. 1950. 44.9 K542

54503 LAGONI, H. Beitrag zum reduktaseproblem. Milchwissenschaft 6:130-132. (To be cont.) Apr.1951. 44.8 M5933

54504 LONCIN, and GEAIRAIN, J. La virulence du Mycobacterium tuberculosis dans le fromage blanc. Belg. Lait. 5(18):9,11,13. Mar.1951. 44.8 B412

54505 MAITLAND, M. L. C. The rapid detection of Mycobacterium tuberculosis by microscopic examination of milk from individual cows and from groups of ten cows. J. Hyg. 48:397-401. Dec.1950. 44.8 J82

54506 MOSER, F., and IHLE, H. Untersuchungsverfahren bei der schmelzkäseherstellung. Kempten, Volkswirtschaftlicher Verlag,1950. 22 p. 44 M852

Two papers on analysis.

54507 OVCHINNIKOV, A., and VEDIASHKIN, P. Effect of calcium on consistency of cheese. (In Russian.) Moloch. Promysh. 11(11):38-39. Nov.1950. 44.8 M734

54508 PATTON, S. The isolation of substances responsible for heat-induced flavors in milk. Ohio. State U. Abs. Doct. Diss. 59:193-194. 1950. 241.8 Oh3

54509 RITTERHOFF, D. Die fettbestimmung in kondensmilch. Molch.-Ztg. 5:167-168. Feb.15,1951. 44.8 M735

54510 ROEDER, G. Ist pasteurisierte milch keimfrei? Deut. Milchhandels-Ztg. 73:212-214. (To be cont.) Apr.13, 1951. 44.8 D48

54511 ROEDER, G. Studien über die säure- und salzverhältnisse in milch und molke. Milchwissenschaft 6:91-92. (Cont.) Mar.1951. 44.8 M5933

54512 ROTINI, O. T. Fat and water in cheeses. (In Italian.) Glor. di Agr. 61:116. Apr.15,1951. 16 It1G

54513 SHEPHERD, E. Condensed and evaporated milks; bacterial content and character differ. Ice Cream Indus. 27:393-394. Apr.1951. 389.8 Ic24

54514 STUCKI, F. Der einfluss des ultravioletten lichtes auf einige in der milch vorkommende pathogene keime. Schweiz. Milchztg. 77:137-139. (To be cont.) Mar.13,1951. 44.8 Sch92

54515 THIERER, H. Ein neues nährmedium zum nachweis der coli-aerogenes-gruppe. Milchwissenschaft 6:128-130. Apr.1951. 44.8 M5933

English summary.

54516 ZATTA, P. L. Importance of analyses of milk whether intended for food or for industry. (In Italian.) Latte 25:103. Mar.1951. 44.8 L35

Consumption and Utilization

54517 HELLEMANS, T. La valorisation des sous-produits du lait. Annu. Agr. et Hort. (1949/50)2:65-71. 1950. 13 An7

54518 MATAALLANA VENTURA, S. Hacia un mayor consumo de leche. Ganaderia [Madrid] 8:653-655. Nov. 1950. 49 G15

Comparative statistics of Spain and other countries.

54519 METZDORF, H. J. Der verbrauch an trinkvollmilch in West-Deutschland und die aussichten für eine verbrauchsstelgerung. H. f. Landwirt. Marktforsch. 5:7-68. 1951. 280.38 H36

English summary.

54520 METZDORF, H. J. Wechselbeziehungen zwischen dem verbrauch an trinkmilch und speisefetten in den Vereinigten Staaten. H. f. Landwirt. Marktforsch. 5:79-82. 1951. 280.38 H36

54521 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Utilization of farm crops: milk and dairy products. Hearings, 81st Cong., 2d sess. pursuant to S. Res. 36 and S. Res. 198, resolutions authorizing an investigation relative to expanded uses of farm crops and price spreads, pt. 4, June 8, 15, 22, 29, 30, July 13, 20, 21, 27, and August 10, 1950. Washington,1950. p.1589-2328. 280.3 Un37U

Distribution, Marketing, and Transportation

54522 BRÉART, G. Considérations générales sur l'organisation du marché du lait. Agr. Prat. 115:183-184. Apr.1951. 14 J82

France.

54523 BRÉART, G. La consommation des produits laitiers, peut-elle se développer? Indus. Lait. 54:51-52. Mar.1951. 44.8 In2

France.

54524 HATTWICK, M. S. Psychology boosts your sales! Ice Cream Field 57(5):30-32,34-36,38,40,42,44,46, 48. May 1951. 389.8 Ic23

54525 HICKS, J. W. Measuring retail delivery route size. Amer. Milk Rev. 13(5):26,28. May 1951. 44.8 Am38

54526 HICKS, J. W., and WOOD, G. B. Operations in retail and wholesale milk routes. Ind. Agr. Expt. Sta. B. 556,43 p. Nov.1950. 100 In2P

54527 HIRSCHFELD, A. La coopération laitière en Suède. Agriculture [Paris] 15:85. Mar.1951. 14 Ag823

54528 KÄSTLI, P. Wesen und bedeutung des schweizerischen milchlieferungsregulatives. Schweiz. Milchztg. 77:189-190. Apr.6,1951. 44.8 Sch92

54529 LEROY, A. Italie-coopération laitière. Voix de l'Elevage (ser.4)7:5. Jan.10,1951. 44.8 Ac8

- 54530 METZGER, H. B. Changes in costs of milk distribution in Maine, 1949-1950. Maine. Agr. Expt. Sta. Mimeog. Rpt. 19,7 p. Apr.1951. 100 M28M
- 54531 RABUFFO, V. M. Ice cream vending machines build G. I. sales. Ice Cream Trade J. 47(4):24-26. Apr. 1951. 389.8 Ic2
- 54532 ROBERTSON, J. T. C. Scientific developments in milk distribution. Austral. Milk & Dairy Prod. J. 18: 4-5. Jan.1951. 44.8 Au72
Great Britain.
- 54533 SCHLANGE, E. S. Die förderung des trinkmilchverbrauchs in Grossbritannien. H. f. Landwirt. Marktforsch. 5:69-79. 1951. 280.38 H36
- 54534 SCHRAPLER, Vom "milchmadl" zum milchkaufmann. Deut. Milchhandels-Ztg. 73:164-165. Mar.16, 1951. 44.8 D48
- 54535 SPENCER, G. B. Near-by opportunities mean profits. Dairy Goat J. 29(5):12. May 1951. 40.18 M592
Marketing goat's milk.
- 54536 THOMSON, W. D. Milk distribution in Northern Ireland. Dairyman 68:261-263,285. May 1951. 44.8 D1426
- 54537 TRAIN, M. A. Goat product markets. Brit. Goat Soc. Ybk. 1951:29,31. 40.19 B77
- 54538 WHITE, E. L. Refrigerated milk trucks. Milk Dealer 40(7):49,58. Apr.1951. 44.8 M595

Grading, Inspection, Standardization, and Quality

- 54539 BRION, A. Une affaire de lait devant les tribunaux; les milieux agricoles se sont émus d'un arrêt rendu par la Cour de Douai en date du 1er juin 1950, au sujet d'une affaire de lait pauvre en matière grasse; nous résumerons d'abord les faits, avant de les commenter brièvement. Bétail & Basse-Cour 6:130-131. Mar.1951. 49 B462
- 54540 DAHLBERG, A. C. Sanitary milk legislation. South. Dairy Prod. J. 49(4):56,108-110. Apr.1951. 44.8 So83
- 54541 DEMONT, P., and LEDERER, N. Recherche et dosage de l'eau de rinçage contenue dans les crèmes livrées aux centrales beurrières. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:49-54. 1951. 389.9 Sw6
Switzerland.
- 54542 GENNARO, E. L. The significance of flavors for milk. Amer. Milk Rev. 13(5):34,36. May 1951. 44.8 Am38
- 54543 GRAY, A. W. Unreasonable inspection fees condemned as trade barriers. Amer. Milk Rev. 13(5):22, 24. May 1951. 44.8 Am38
- 54544 HARTMANS, S. Kwaliteit en kwantiteit [Quality and quantity]. Wageningen, Veenman & Zonen, 1950? 16 p. 44 H25
Cheese.
- 54545 HIRSCH, H. G. Co-ops vital to Federal milk orders. DPMA News 11(7):8-11. Apr.1951. 280.28 D144
- 54546 KIRSCH, W., and SCHWARZ, G. Untersuchungen über den einfluss von "Nexit" auf geruch und geschmack der milch. Kieler Milchwirt. Forschber. 2:123-125. 1950. 44.9 K542
- 54547 LAWRENCE, C. E. How good are our products? Amer. Milk Rev. 13(5):44,46,83. May 1951. 44.8 Am38
- 54548 MENGEBIER, H. Butterfehler—entstehung und bekämpfung. Mol. -Ztg. 5:317-318. Mar.29,1951. 44.8 M735
- 54549 MUKHERJEE, S. Studies on rancidity of butterfat. IX-X. Indian Chem. Soc. J. 27:695-706. Dec. 1950. 385 In27
IX, The action of metals; X, The influence of oxygen concentration on rancidity.
- 54550 OLTROGGE. Sinnliche wahrnehmungen und wertung der butter. Mol. -Ztg. 5:165-166. Feb.15,1951. 44.8 M735
- 54551 ORSENICO, G. Considerations on the swelling of cheeses and its remedies. (In Italian.) Latte 25:149. Apr.1951. 44.8 L35
- 54552 PALMA, G. Need for postponing legislation regulating the sanitary treatment and sale of milk. (In Italian.) Latte 25:104-106. Mar.1951. 44.8 L35
Italy.
- 54553 QUADRI, P. Maladies and flaws of Parmesan cheese. (In Italian.) Mondo del Latte 1951:20,23,25. Jan.1951. 44.8 M74
English summary.
- 54554 SQUIRE, G. W. Bad flavors in milk. Dairy Goat J. 29(5):6-7. May 1951. 40.18 M592
- 54555 STRINGER, J. L. A county biological milk sampling scheme with special reference to Br. abortus. Med. Off. 85:127-129. Mar.31,1951. 44.8 M462
Great Britain.

- 54556 WEISMAN, M. A summary of the milk control laws of the several states. Harrisburg, 1950. 19 p. 280.344 W43
- 54557 WHITE, A. H. Control of butter quality. Canad. Dairy & Ice Cream J. 30(4):29-31,84,90. Apr.1951. 44.8 C162
- 54558 WRENSHALL, C. L. Consistent quality of ice cream results in greater consumption. South. Dairy Prod. J. 49(4):138-140,142-145. Apr.1951. 44.8 So83

Packing and Packaging

- 54559 AMEIL, J. C. Une réalisation merveilleuse de la technique américaine: la bouteille à lait en carton enduit de vinyle. Voix de l'Elevage (ser.3)6:4,6. Christmas, 1950. 44.8 Ac8
- 54560 BAECK. Kannenreinigung und milchqualität. Unser Milchvieh 3(3):6. In Mol. -Ztg. 5(9). Mar.1,1951. 44.8 M735
- 54561 BEANE, B. A. Control through marking ice cream cartons. Ice Cream Trade J. 47(4):34,97-98. Apr.1951. 389.8 Ic2
- 54562 LABLANCHY, A. L'embouteillage du lait, espoirs et inquietudes. Voix de l'Elevage (ser.4)7:4. Jan.10,1951. 44.8 Ac8
- 54563 MOHR, W., and JÜNGER, R. Die notwendigkeit der genauen anpassung der laboratoriumsmässigen korrosionsprüfung an die arbeitsbedingungen in der praxis. Milchwissenschaft 6:120-123. Apr.1951. 44.8 M5933
English summary.
Can washing.
- 54564 MOHR, W., and JÜNGER, R. Prüfung der reinigungswirkung von reinigungs- und desinfektionsmitteln bei der kannenwäsche mit bürste von hand. Milchwissenschaft 6:118-120. (To be cont.) Apr.1951. 44.8 M5933
- 54565 SCHWARZKOPF, V. The correct procedure for operating your can washer. South. Dairy Prod. J. 49(4): 80,94,96,98-100. Apr.1951. 44.8 So83

Prices, Price Control, and Rationing

- 54566 ARSENAULT, L. Lait cher, vie chère. Foyer Rur. [Montreal] 10(7):2,21. Apr.1951. 7 F83
Canada.
- Also in Terre de Chez Nous 23(11):9. May 9,1951. 7 T27
- 54567 BOSTON CLASS II MILK PRICE COMMITTEE. Pricing Class II milk in the Boston market. Boston, 1951. 158 p. 284.344 B652
- 54568 CAPSTICK, E. R. Goats' milk at a reasonable cost. Brit. Goat Soc. Ybk. 1951:6-8. 40.19 B77
- 54569 DEETJEN, H. Der milchpreis—prüfstein der regierung! Landwirtbl. Weser-Ems 98:275-276. Mar. 29,1951. 18 L2345
- 54570 LLOYD, A. G. Paying milk producers for quality milk. Agr. Gaz. N. S. Wales 62:82-86. Feb.1,1951. 23 N472
- 54571 SPENCER, L. 17 years of Federal-State control. East. Milk Prod. 27(2):4. Feb.1951. 280.28 Sh3
Regulation of milk prices.

Processing and Storage

- 54572 ALLARD. Ecole professionnelle de la crème; a la gloire du Brie. Crémierie Franç. 198:18-20. Mar.29,1951. 44.8 C867
Cheese manufacture.
- 54573 AMUNDSTAD, O. En undersøkelse over løpenzymets og enkelte mjølkesyrebakteriers proteolytiske egenskap med særlig henblikk på ostens modning. (An investigation of the proteolytic activity of rennin and of some lactic acid bacteria with special reference to cheese ripening). Alnarp Lantbr., Mejeri- och Trädgårdsinst. Stat. Mejeriförsök. Meddel. 28,170 p. Ref. 1950. 44.9 AL6
English summary.
- 54574 ANGEVINE, N. D. Yoghourt. (Abs.) Milk Messenger 28(4):3-4. Apr.1951. 44.8 M5925
Manufacture.
- 54575 APPLETON, A. F. Milk cooling and coolers. 2. Milk Indus. 31(9):49-55. Mar.1951. 44.8 M593
- 54576 ARNAUDI, C., and CARTASEGNA, F. Proper preparation of whey-ferment. (In Italian.) Latte 25:143-145. Apr.1951. 44.8 L35
For cheese manufacture.
- 54577 BALSLEY, M. A food industry meets a changing world. Evaporated Milk Assoc. Res. & Educ. B. R-7, sup.16-19. Apr.11,1951. 44.9 Ev1R
The evaporated milk industry.
- 54578 BARBER, F. W. High-temperature short-time pasteurization of ice cream mix. South. Dairy Prod. J. 49(4):30,123-125. Apr.1951. 44.8 So83

- 54579 BONDAR', V., and KUROPATKINA, A. Introduction of Gorskov's equipment. (In Russian.) Moloch. Promysh. 11(11):44. Nov.1950. 44.8 M734
Pasteurizer and cooler of milk.
- 54580 CHAPMAN, A. M. Milk in the home needs special care. New Zeal. J. Agr. 82:91,93. Jan.15,1951. 23 N48J
Care and handling and sanitation.
- 54581 COLLINS, E. B., HSUEH, T. Y., and JOHANSSON, K. R. Congo red as an inhibitor for quaternary ammonium compounds. J. Dairy Sci. 34:303-309. Apr. 1951. 44.8 J822
- 54582 COLLINS, E. B. Cottage cheese from skim milk. Milk Dealer 40(7):41-42,124-126. Apr.1951. 44.8 M595
- 54583 COURCELLES, M. Les nettoyages dans les laiteries suédoises. Vie Lait. 7(128):1-2. Mar.30,1951. 44.8 V67
- 54584 DEHAVEN, G. Some new aspects of milk receiving operations. Calif. Dairyman 31(6):20,22,25-26. Apr.21,1951. 44.8 C12
- 54585 ENGLAND, C. W. Overrun considerations in making ice cream. Ice Cream Rev. 34(9):52,74-76. Apr. 1951. 389.8 Ic22
Also in Ice Cream Trade J. 47(4):48,92,112. Apr.1951. 389.8 Ic2
- 54586 FRANDSEN, J. H., and NELSON, D. H. Ice creams and other frozen desserts. Amherst, Mass., 1950. 318 p. 389.2 F85Ic
- 54587 GABEL, W. Zwang oder belehrung? Wege zu hygienischem Speiseeis. Zucker- u. Süßwaren-Wirt. 3(20):8-10. Oct.20,1950. 286.86 Z3
- 54588 GADEN, E. L., JR., HENLEY, E. J., and COLLINS, V. P. Preservation of milk by radiation. (Abs.) Food Technol. 5(5,sup.):26. May 1951. 389.8 F7398
- 54589 GIBSON, D. L. Role of the university in Canadian dairy research. Canad. Dairy & Ice Cream J. 30(4):46,48,60. Apr.1951. 44.8 C162
- 54590 GISIN, I. Classification of technological processes in cheese manufacture. (In Russian.) Moloch. Promysh. 11(11):33-38. Nov.1950. 44.8 M734
- 54591 GODBERSEN, G. Verwendung des ultravioletten Lichtes zum Zwecke der Qualitätsverbesserung und Arbeits-erleichterung in Käseereien. Milchwissenschaft 6:82-85. Mar.1951. 44.8 M5933
English summary.
- 54592 GOODWILLIE, D. B. Status of dairy research in Canada. Canad. Dairy & Ice Cream J. 30(4):36-37,92. Apr.1951. 44.8 C162
- 54593 GUNDLACH, G. P., and ESMOND, C. W. Pasteurization, homogenization, concentration. Milk Plant Mon. 40(5):66-67. May 1951. 44.8 C864
- 54594 HAMMOND, R. Utilización del vapor de presión atmosférica en la industria lechera. Indus. Lech. 33:89-92,94. Feb.1951. 44.8 In26
- 54595 HERZ, H. In einer holländischen Käsefabrik. Schweiz. Milchztg. 77:209. Apr.13,1951. 44.8 Sch92
- 54596 HILLIER, R. La industria láctea: exposición de nuevos aparatos. Esnea 37(1617):1-2. Apr.3,1951. 44.8 Es5
- 54597 HOOD, E. G. Effect of research on butter and cheese production. Canad. Dairy & Ice Cream J. 30(4):38,40,44,92. Apr.1951. 44.8 C162
- 54598 HUMPHRISS, E. Ice cream technology. 9. Freezing and hardening. Ice Cream Indus. 27:379-381. Apr.1951. 389.8 Ic24
- 54599 KAY, H. D. The National Institute for Research in Dairying, Shinfield, Reading. Roy. Soc. London. Proc. Ser. B, Biol. Sci. 138(890):17-31. Feb.15, 1951. 501 L84B
- 54600 KISER, W. R. How to meet problems in fruit and nut ice creams. Ice Cream Trade J. 47(4):42-43,58. Apr.1951. 389.8 Ic2
- 54601 LE ROI, D. Hard-pressed cheeses. 2. Milk Indus. 31(10):65-70. Apr.1951. 44.8 M593
- 54602 MAENO, M., and OEDA, M. Riron jissai gyunyu kako ho [Theory and practice on the method of processing of milk]. Tokyo, Asakura Shoten, 1950. 436 p. (Rakuno Gijutsu Soshō 1) 44.8 R133
- 54603 MAGLIANO, A. About the research of new apparatus for milk depuration. (In Italian.) Mondo del Latte 1951:28,31. Jan.1951. 44.8 M74
English summary.
Pasteurization equipment.
- 54604 MARTINEZ ORTIZ, F. El decalogo del quesero Balearic Isl. Diputación Prov. B. de Agr. 77:12-13. Feb.1951. 15 B19
- 54605 MINUT, J. Leche casearia; el éxito de los fermentos seleccionados. Indus. Lech. 33:63-64,66-68. Feb.1951. 44.8 In26
Cheese manufacture.
- 54606 MOHR, W., and CORTE, H. Laboratorlums-versuche zum Elact-verfahren. Kieler Milchwirt. Forscher. 2:261-283. Ref. 1950. 44.9 K542
- 54607 MOHR, W., and LEMBKE, A. Richtlinien der Marktabstellung der Deutschen Landwirtschaftsgesellschaft Frankfurt a. M. zur Prüfung von Reinigungs- und Desinfektionsmitteln. Milchwissenschaft 6:123-127. Apr.1951. 44.8 M5933
- 54608 MOHR, W., and CORTE, H. Zwei nachträge zu der arbeit "Versuche zur Entsalzung und Entsäuerung von Molke durch Elektrodialyse." Kieler Milchwirt. Forscher. 2:153-155. 1950. 44.9 K542
- 54609 MOLDOVAN, A. H.T.S.T. pasteurisation in the laboratory. Milk Messenger 28(3):8. Mar.1951. 44.8 M5925
- 54610 MONTEMURRO, O. The utilisation of goat's milk in the making of the "provolone." (In Italian.) Mondo del Latte 1951:11,13-15. Jan.1951. 44.8 M74
English summary.
- 54611 MOORE, A. V., and COVAN, J. P. An investigation of the applications of statistical quality control to dairy manufacturing. Tex. Engin. Expt. Sta. Res. Rpt. 23, 17 p. Mar.1951. 290.9 T31R
- 54612 NICKERSON, T. A. Texture control. Ice Cream Field 57(5):68,70,88. May 1951. 389.8 Ic23
- 54613 PEACOCK, R. New co-operative cheese factory [Ontario]. Family Herald & Wk. Star 82(17):8. Apr.26,1951. 7 F21
- 54614 PROCTER, F. Mechanical handling in the dairy; how the labour problem is being solved. Dairy Indus. 16:347-349. Apr.1951. 44.8 D1427
- 54615 QUERTON, V. F. La technologie laitière aux Etats-Unis. Belg. Lait. 5(17):15,17,19;(18):19,21,23. Jan.-Mar.1951. 44.8 B412
- 54616 RAUSCHNING, Streitt mit der molkererei. Deut. Landwirt. 2:183. Apr.1951. 18 D4822
Care and handling of milk.
- 54617 RIÁZANOV, G. Best methods of work—for all masters [in dairy product manufacture]. (In Russian.) Moloch. Promysh. 11(11):5-8. Nov.1950. 44.8 M734
- 54618 ROSE, D. Low temperature concentration techniques in the dairy industry. Canad. Dairy & Ice Cream J. 30(4):50,52,90. Apr.1951. 44.8 C162
Includes freezing.
- 54619 ROWLING, J. R. Making and selling cream. Milk Indus. 31(10):46-51. Apr.1951. 44.8 M593
Great Britain.
- 54620 SÁINZ, R. Quesería moderna; fabricación de quesos de todas clases españoles y extranjeros. Ed. 2, rev. and enl. Barcelona, Ossó, 1951. 277 p. 44 Sa25
- 54621 SCHULZ, M. E. Die dynamik der labgerinnung in der käseerei. Milchwissenschaft 6:74-82,112-118. Ref. Mar.-Apr.1951. 44.8 M5933
English summary.
- 54622 SEELEMANN, M. Prüfungen an hoch- und kurzzeiterhitzern. Kieler Milchwirt. Forscher. 2:201-203,285-305. 1950. 44.9 K542
- 54623 SIDORIN, I. A., and SLAVIANOV, V. Mechanization of cheese manufacture. (In Russian.) Moloch. Promysh. 11(11):20-22. Nov.1950. 44.8 M734
- 54624 SPECK, M. L., and LUCAS, H. L. Some observations on the high-temperature short-time pasteurization of chocolate milk. J. Dairy Sci. 34:333-341. Apr. 1951. 44.8 J822
- 54625 TRACY, P. H., TOBIAS, J., and HERREID, E. O. Application of the vacreator and the mallorizer for h.t.s.t. heating of ice cream mixes. Ice Cream Trade J. 47(4):76-79,105. Apr.1951. 389.8 Ic2
- 54626 TUCKEY, S. L. Problems in the production of cottage cheese. 2. Amer. Milk Rev. 13(5):50,52. May 1951. 44.8 Am38
- 54627 VERSUCHS- UND FORSCHUNGSANSTALT FÜR MILCHWIRTSCHAFT, KEIL. Wissenschaftlicher jahresbericht 1949/50. Nürnberg, 1950. 61 p. 44.9 K54
Report by W. Mohr.
- 54628 WALTON, G. P., and others. Manufacture of concentrated milk and honey products. Food Technol. 5: 203-207. May 1951. 389.8 F7398
J. W. White, Jr., B. H. Webb, C. F. Hufnagel, and A. H. Stevens, joint authors.
- 54629 WASSERMANN, O. Die käseproduktion in Österreich mit besonderer berücksichtigung einiger massnahmen zur qualitätsverbesserung der Emmentaler käse. Bodenkultur 4:477-485. 1950. 19 B635
- 54630 WILHARM, G., and CIBLIS, E. Die bedeutung der hemmungserscheinungen zwischen Strept. lactis und Strept. cremoris für die neuzüchtung von säureweckern. Milchwissenschaft 6:87-90. (Concl.) Ref. Mar.1951. 44.8 M5933
English summary.

54631 WUSTENBERG, J. Allgemeiner erfahrungsbericht über hygienisch-bakteriologische betriebsüberprüfungen in grossstädtischen molkereibetrieben. *Milch-wissenschaft* 6:109-112. Apr.1951. 44.8 M5933
English summary.
Germany.

Statistics

54632 BONADONNA, T. Milk production in Italy. (In Italian.) *Zootec. e Vet.* 6:184-186. Mar.1951. 41.8 Z7
Statistics on cattle, sheep, and goats.
54633 DAIRY and poultry year book, 1950-51. Chicago, 1951. 160 p. 44.9 D142
Statistics.

FEED AND FORAGE CROPS

54634 ARENDS, W. R. Service fostered industry growth; farmers consider dependable feed men essential. *Feed Bag* 27(5):51. May 1951. 389.78 F32
54635 BAKER, M. Let the farmers suggest service and sales plans. *Feedstuffs* 23(16):61,64. Apr.21,1951. 286.81 F322
54636 BALL, J. W. Weather, feed and the world crisis; many important decisions depend on what happens to our feed crops in the next few months. *Breeder-Stockman* 12(12):49. May 1951. 49 V81
54637 BERGMAN, I. A. Ways of organizing a stable feed supply base for livestock on the collective farms in Latvian SSR. (In Russian.) *Latv. PSR Zinātņu Akad. Vest.* 1:57-70. 1950. 511 R442
54638 BJERLING, A., HAGERT, L. G., and ÖGREN, G. The feed market situation. (In Swedish.) *Våra Pälstdjur* 22:71-74. Mar.15,1951. 410 V42
54639 BRANNAN, C. F. Production to meet the test. *Mid-So. Cotton News* 29(12):6. (To be cont.) Apr.1951. 72.8 C8295
Feed production.
54640 COMBS, J. F. More forage and better storage. *Coastal Cattleman* 17:13. Mar.1951. 43.8 C63
54641 CORNEY, D. C. Provender milling. (Sum.) *Milling* 116:337. Apr.7,1951. 298.8 M622
54642 CUNHA, T. J. Increase in feed supplies most important need in growth of cattle industry. *Fla. Cattleman* 15(8):40-41. May 1951. 43.8 F66
54643 CUSMANO, I., and SCOTTON, G. The determination of crude fiber in feeds. (In Italian.) *Riv. di Zootec.* 24:18-19. Jan.1951. 49 R52
54644 DISTILLERS FEED RESEARCH COUNCIL. Proceedings, sixth Distillers Feed Conference, March 15, 1951, Hotel Sinton, Cincinnati, Ohio. Cincinnati, 1951. 66 p. 389.79 C765
54645 THE FEED BAG red book; reference book of the feed industry. Milwaukee, 1951. 242 p. 389.78 F322
54646 FOWLER, R. G., JR. It's not chicken feed it's bulk feed. *Wash. Farmer* 76:282. Apr.19,1951. 6 R151
Transportation.

54647 HALL, H. H. The fermentative production of vitamin B₁₂ in grain stillage and other materials. *Distillers Feed Conf. Proc.* 6:37-40. 1951. 389.79 C765
54648 HILL, F. W. Best dealers have successful customers. *Hatchery & Feed* 25(5):11,66-67. May 1951. 47.8 H28
Feed industry.

54649 HÖHNE, E. Stand und entwicklungsaussichten der künstlichen grünfuttermittel in Westf. u. Lippe. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:434-435. Mar.22,1951. 18 L2346

54650 HUMBERT, W. Od en est la déshydratation des fourrages jeunes dans le monde. *Agr. Prat.* 115:197-198. Apr.1951. 14 J82

54651 HURST, W. M. Layout, design determine efficiency of feed mills. *Feedstuffs* 23(18):10,14-15. May 5,1951. 286.81 F322

54652 KANSAS. STATE BOARD OF AGRICULTURE. Commercial feeds; the record of commercial feeds sold in Kansas from July 1, 1949, to June 30, 1950; analyses, guarantees and new developments in commercial feeding combine to help tell the story of science at work for progress in animal nutrition. *Kans. State Bd. Agr. Rpt.* 69(299),64 p. Oct.1950. 2 K13Re

54653 KLITSCH, C. Die sicherung der futtergrundlage. *Deut. Landwirt.* 2:171-175. Apr.1951. 18 D4822

54654 LAWLER, J. Twenty-five years of Association feed service. *Nulaid News* 28(11):18-19,41-43. Apr.1951. 47.8 N917

The Feed Department of the Poultry Producers of Central California.

54655 MCNEAL, D. The outlook for the feed industry in 1951 and 1952. (Sum.) *Com. Rev.* 100(35):18,20-21. (To be cont.) May,1,1951. 286.8 C735

54656 MASS, D. Fodder production in 1950/51. (In Hebrew.) *Hassadeh* 31:214-216. Feb.1951. 26 H27

54657 MATTSO, A. M. Feeding stuffs under the microscope. *Farm Res. [N. Y. State Sta.]* 17(2):2. Apr. 1951. 100 N48A

54658 MONAGHAN, J. L. The feeding stuffs law. *Kans. State Bd. Agr. Rpt.* 69(299):5. Oct.1950. 2 K13Re

54659 MORGENROTH, E. Grünkrafftutter durch die künstliche trocknung. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:514-515. Apr.5,1951. 18 L2346

54660 MULLER DEFRADAS, R. La conservación de forrajes. *Charla Rur.* 148:18-19,53. (To be cont.) Feb. 1951. 9 C37

54661 MÜNNIGHOFF, H. Erfahrungen und hinweise zur künstlichen grünfuttermittel-trocknung. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:633. Apr.26,1951. 18 L2346

54662 NIBLER, C. W. What does the feed bag contain? *Hoard's Dairyman* 96:398-399. May 10,1951. 44.8 H65
Analysis.

54663 OCHTERBECK, W. J. Retail feed margins under price control. *Grain & Feed J. Consolidated* 106(8):24-25. Apr.25,1951. 298.8 G762

54664 ROBERTS, A. Know your costs on feed grinding and mixing operations. *Feedstuffs* 23(18):58-60. May 5,1951. 286.81 F322

54665 SPLITTGERBER, H. Mischfutterherstellung, doch ein programm für die landwirtschaft? *Tierzüchter* 3:37-40. Jan.20,1951. 49 T445

54666 STREET, K. Raise fewer turkeys and make more money. *Nulaid News* 28(9):4-6,26-29. Feb.1951. 47.8 N917

Feed costs through a coop.

54667 VALDINOCI, M. Vicissitudes of the Italian feed industry. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 26:9. Apr.18,1951. 281.8 Ag3

54668 WARD, H. H. Marking and grading; recommended standards for dried green crops. *Milling* 116:340, 342. Apr.7,1951. 298.8 M622

Legumes and forage plants in Great Britain.

54669 WEGGE, W. See what happens when feed dealers speak up! *Hatchery & Feed* 25(5):16,78-79. May 1951. 47.8 H28

54670 WINGARD, S. B. Members have tremendous stake in used bag program. *East. States Coop.* 27(2):26-27. Feb.1951. 280.28 Ea7

Feed bags.

54671 WINNIGSTEDT, R. Mischfutter oder nicht? *Tierzüchter* 3:29. Jan.20,1951. 49 T445

54672 ZELLER-OLSCHAFSKY, H. Keimgetreidebereitung. *Österr. Kleintierzüchter* 1951:886. Jan.1951. 49 Os7

As food.

FIBERS AND TEXTILES

54673 ACKERMAN, F. E. Present U. S. wool market and future outlook. *Natl. Wool Grower* 41(5):11-12,34. May 1951. 45.8 N21N

54674 ADRESSBUCH der deutschen textile- und bekleidungsbetriebe; industrie und grosshandel, 1950. Berlin, Kaupertverlag Deutsche Adressbuch-Gesellschaft, 1950. 788 p. 304.8 Ad8

54675 AFONCHIKOV, F. A. Change in structure of single fibers during production of twisted yarn. (In Russian.) *Tekstil'. Promysh.* 10(11):23-25. Nov.1950. 304 T23

54676 ALBERTARIO, P. The hemp market. (In Italian.) *Glor. di Agr.* 61:113. Apr.15,1951. 16 It1G
Italy.

54677 ALEXANDER, P. Beziehungen zwischen struktur und chemischer reaktionsfähigkeit von wolllasern. *Kolloid-Z.* 122:8-19. Ref. Apr.1951. 384 Z315

54678 ALZINA CAULES, J. La industria algodoneira. *Inform. Com Espan.* 210:210-215. Feb.1951. 286.8 In3
Text in English, p. 232-235.

54679 AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS. 1950 technical manual and year book, volume XXVI. New York, 1950. 509 p. 306.9 Am32

Contains sections on identification of textile fibers, insect pests, and resistance to rot and mildew.

54680 ASHTON, J. The expanding use of man-made stapled fibres. *Egypt. Cotton Gaz.* 12:11-16. Jan.1951. 72.8 Eg9

- 54681 ASHTON, J. H. Reflections of a grazier. Austral. Q. 23:38-53. Mar.1951. 280.8 Au7
Australian wool industry.
- 54682 BARELLA, A. Un procédé pour mesurer l'irrégularité des fils. Inst. Textile de France. B. 24:113-121. Mar.1951. 304.8 T3145
Includes discussion.
- 54683 BASTOS, A. DE M. Jute and southern industry. (In Portuguese.) Assoc. Com. do Amazonas. B. 9(108):31-34. July 1950. 286.9 As7B
- 54684 BAUMGART, H. Die deutsche wollverwertung, eine landwirtschaftliche selbsthilfe-organisation. Tierzüchter 3:198-200. Apr.5,1951. 49 T445
- 54685 BERKLEY, E. E. The potentialities of hybrid cottons in future markets. Cotton Res. Cong. Proc. 11:18-22. 1950. 72.9 C825
- 54686 BERLIN. DEUTSCHES WIRTSCHAFTSINSTITUT. Die rolle der westdeutschen kunstfasermontage in der aufrüstung. Deut. Wirtinst. Ber. 2(4),12 p. Feb.1951. 280.9 B453
- 54687 BEYLARD, H. Symbolisme du lin. Fleur Bleue 14:121-123. Apr.1951. 304.8 F63
- 54688 BONIFACIO, P. Restoration of cotton culture in Sicily. (In Italian.) Glor. di Agr. 61:97. Apr.1,1951. 16 It1G
- 54689 BLANCO SANTAMARIA, G. Fibras y desperdicios. Inform. Com. Espan. 210:220-225. Feb.1951. 286.8 In3
Text in English, p. 237-240.
- 54690 BRAY, R. J. New scientific procedures. (In Italian.) Laniera 65:127,129,131,133,135,137-139. Feb. 1951. 45.8 B63
"Steely" wool; a method for producing artificial crimp; felting ability; a new felting treatment.
- 54691 BROWN, A. E., HORNSTEIN, L. R., and HARRIS, M. The chemical modification of wool-treatment with formaldehyde solutions. Textile Res. J. 21:222-227. Ref. Apr.1951. 304.8 T293
- 54692 BUDNIKOV, V. I. Problems of mixing [fibers] in cotton spinning. (In Russian.) Tekstil'. Promysh. 10 (12):25-28. Dec.1950. 304.8 T23
- 54693 BURKETT, A. L., and others. Eficiencia de algunas máquinas desfibradoras en la extracción de la fibra del kenaf. Turrialba 1:126-134. Jan.1951. 8 T86
C. J. Naranjo C., A. Pino N., H. Hopp, and V. C. Pettit, joint authors.
English summary.
- 54694 CALVERT, M. A., and CLIBBENS, D. A. The relation between the viscosity and concentration of cellulose solutions in cuprammonium; and the calculation of the intrinsic viscosity of cellulose. Brit. Cotton Indus. Res. Assoc. Shirley Inst. Mem. 25:1-24. Jan.1951. 72.9 B773
- 54695 CARDON, P. V. Cotton under the Research and Marketing Act. Cotton Res. Cong. Proc. 11:10-17. 1950. 72.9 C825
- 54696 CASONI, G. The Italian cotton industry and trade with Egypt. Egypt. Cotton Gaz. 12:65-69. Jan. 1951. 72.8 Eg9
- 54697 CENTOLA, G. Consideration on cellulose reaction. (In Italian.) Indus. della Carta 5:1-6. Jan.1951. 302.8 In22
Includes cotton linters.
- 54698 COBOS CARDENAS, E. El potencial textil español. Inform. Com. Espan. 210:216-219. Feb.1951. 286.8 In3
Text in English, p. 235-237.
- 54699 COMEZ, A. Borgosesia. (In Italian.) Laniera 64:813,815,817,819,821. Nov.1950. 45.8 B63
History of textile industry.
- 54700 COMEZ, A. Fleecy skies. (In Italian.) Laniera 65:5,7,9. Jan.1951. 45.8 B63
Wool prices.
- 54701 COMEZ, A. High prices and boycottage. (In Italian.) Laniera 65:85,87. Feb.1951. 45.8 B63
- 54702 COTTON RESEARCH CONGRESS, 11, DALLAS, 1950. Proceedings. Austin, 1950. 98 p. 72.9 C825
- 54703 CRESPEL, P. Cinquante ans de rouissage-tellage linier. Fleur Bleue 14:44-48. Apr.1951. 304.8 F63
- 54704 CUENCA Y GONZÁLEZ-OCAMPO, D. C. L. DE. Estado actual del problema zootécnico y económico de la producción de lanas. Lérida Ganad. (ser.3)121:224-232. Nov.1950. 41.8 L56
Speech made in 1946.
- 54705 DALL, W. B. U. S. cotton and wool futures exchanges still closed. Indian Textile J. 81:386-389,396. Mar.1951. 304.8 In2
- 54706 DALY, J. A. Southeastern spot cotton trading slow due to uncertain future. Cotton Digest 23(33):34. May 5,1951. 286.82 C822
- 54707 DARBINIAN, G. S. Textile industry of Armenian SSR for 30 years. (In Russian.) Tekstil'. Promysh. 10(12):4-5. Dec.1950. 304.8 T23
- 54708 DAVIS, S. P., and GABBARD, L. P. Grading wool at shearing pens and marketing on a basis of quality. Tex. Agr. Expt. Sta. Prog. Rpt. 1363,5 p. Apr.18,1951. 100 T31P
- 54709 DEVLIN, S. The textile industry looking to the fall. Mag. Wall St. 88:137-139,160,162. May 5,1951. 286.8 M27
- 54710 DODI, R. A problem with many unknowns. (In Italian.) Laniera 65:91,93,95,97,99,101. Feb.1951. 45.8 B63
World distribution of wool in relation to civil and military requirements.
- 54711 DUCROCQ, M. La vie syndicale du rouissage-tellage. Fleur Bleue 14:106-109. Apr.1951. 304.8 F63
Flax industry in France.
- 54712 EFIMOV, N. S. Increasing the spinning quality of wool fiber. (In Russian.) Tekstil'. Promysh. 10(10):19-20. Oct.1950. 304.8 T23
- 54713 ELLIOTT, R. L. An analytical survey of the problems of scouring. Textile Rec. 68(817):102-104. Apr.1951. 304.8 T311
Wool and other fibers.
- 54714 FAHRBACH, R. Elnprozess-anlagen in der baumwollspinnerei. Textil-Praxis 6:243-248. Apr.1951. 304.8 T3143
- 54715 FIELDING, G. B. Current problems in the cotton industry. Textile Wk. 47:1054,1056,1058,1060-1062, 1064,1066,1068. Apr.20,1951. 304.8 T3127
Includes discussion.
- 54716 FRASER, S. The truth about the Central American abaca plantations. Amer. Chamber Com. J. 27:76-78. Mar.1951. 287 Am3P
The industry.
- 54717 GEERLING, M. The position of the textile agent in the Netherlands. (In Dutch.) Monit. Textile 13:259,261,263. Mar.1951. 304.8 M74
- 54718 GRALEN, N., LAGERMALM, G., and PHILIP, B. The sub-cuticle membrane—a recently discovered morphological component of the wool fiber. Textile Res. J. 21:234-238. Ref. Apr.1951. 304.8 T293
- 54719 GRIVEAU, M., and LA GRAVIERE, B. J. DE. Du nouveau dans l'égrenage du coton aux U. S. A. Coton et Fibres Trop. 6:77-93. Ref. Mar.1951. 73.8 C82
- 54720 GUPTA, S. M. Jute pressing industry. Jute & Gunny Rev. 2:719-721,723,725. Dec.1950. 73.38 J983
- 54721 GUSLER, G. Almost anything could happen to wool prices this year. Ohio Farmer 207(7):10-11. Apr. 7,1951. 6 Oh3
- 54722 HAARER, A. E. Retting jute substitute fibres. Cordage World & Indus. Textiles 32(379):16. May 1951. 73.8 C813
- 54723 HALL, A. J. A new anti-shrink process. Textile Mercury & Argus 124:199,201-202. Feb.2,1951. 304.8 T318
Wool.
- 54724 HALL, A. J. New fibre-staining techniques to determine fibre structure. II. Fibres 12:124-125. Apr. 1951. 304.8 F16
- 54725 HALNA DU FRETAY, C., and MASSON, C. La liniculture de France. Fleur Bleue 14:41-43. Apr.1951. 304.8 F63
History of the industry.
- 54726 HAMBY, D. S. Here's a testing program for the cotton-yarn mill. Textile World 101(5):99-105. May 1951. 304.8 T315
Includes fiber testing.
- 54727 HENAULT, H. Argumentation on the qualities of silk. Internatl. Silk Assoc. B. 7:5-10. Feb.1951. 304.9 In82B
- 54728 HERRENT, P., and LUDE, A. The structure and mechanical behavior of cellulose fibers. Textile Res. J. 21:137-143. Mar.1951. 304.8 T293
- 54729 HERVIEU, P. La culture du lin et son avenir. Eure Agr. 213:3. Apr.3,1951. 14 Eu7
- 54730 HOPKINS, G. E. Scouring—wool begins its transformation from rough fibers to soft, useful modern fabrics. Woolfacts Educ. 1951:6. Apr.1951. 304.8 W885
- 54731 HOPKINS, J. F. A history of the hemp industry in Kentucky. Lexington, U. Kentucky Press, 1951. 240 p. Ref. 281.373 H77
- 54732 HURLY, T. F. Marketing the South African wool clip. Wool Knowl. 2:5-7. Spring 1951. 304.8 W886

- 54733 HUTCHINSON, W. B. The need for a world consumer market for raw cotton. *Egypt. Cotton Gaz.* 12:1-4. Jan.1951. 72.8 Eg9
- 54734 IBBETSON, F. The City of Bradford conditioning house. *Wool Knowl.* 2:20-23. Spring 1951. 304.8 W886
- Wool testing and processing.
- 54735 ILLARIONOV, S. I. Improving the breaking of flax. (In Russian.) *Tekstil'. Promysh.* 10(12):20. Dec. 1950. 304.8 T23
- 54736 INDUSTRIAL textiles directory, 1951. New York, 1951. 137 p. 225 In26
- 54737 INSTITUT TEXTILE DE FRANCE. Mission en Belgique et aux Pays-Bas. *Inst. Textile de France. B.* 24: 9-64. Mar.1951. 304.8 T3145
- 54738 INTERNATIONAL WOOL FEDERATION. Travaux; (conférence de Stockholm 1950). *Inst. Textile de France. B.* 24:67-121. Mar.1951. 304.8 T3145
- 54739 JACKSON, B. C. Cotton's vital role. *Cotton Res. Cong. Proc.* 11:5-9. 1950. 72.9 C825
- 54740 JACKSON, D. L. C., and LIPSON, M. Modification of wool by the application of linear synthetic polyamides. I. *Textile Res. J.* 21:156-163. Ref. Mar.1951. 304.8 T293
- 54741 JONES, H. W. Due to large acreage in cotton, Arizona expands gin facilities. *Cotton Digest* 23(33):29. May 5, 1951. 286.82 C822
- 54742 JONES, M. King Cotton. *New Statesman & Nation* 41:124-125, 153. Feb.3-10, 1951. 280.8 N2132
- 54743 KIEKE, H. E., and HESSLER, L. E. A card study on production cotton for coarse goods. *Textile Res. J.* 21:170-174. Mar.1951. 304.8 T293
- 54744 KIME, J. A. Introducing new cotton products. *Cotton Res. Cong. Proc.* 11:87-93. 1950. 72.9 C825
- 54745 KLAR, R. Neue möglichkeiten des ramleanbaues sowie der ramlegewinnung. *Melliand Textilber.* 32: 242-243. Apr.1951. 304.8 T312
- English summary.
- 54746 LE BLAN, J. La filature de lin. *Fleur Bleue* 14:49-52. Apr.1951. 304.8 F63
- 54747 LIEBIG, G. Die ausführung von vorgarn- und feingarnkontrollen in der streichgarnspinnerei. *Melliand Textilber.* 32:173-175. Mar.1951. 304.8 T312
- English summary.
- 54748 LILAHK, F. K. American types score in Pakistan; introduced in 1914, growth has been fast. *Cotton Trade J.* 31(19):18. May 4, 1951. 72.8 C8214
- 54749 LINCOLN, B. Drying packaged wool. *Textile Mfr.* 77:190-191. Apr.1951. 304.8 T3126
- 54750 LINDE, V. V., and ROGOVINA, A. A. On some physico-mechanical properties of synthetic polyamide fibers. (In Russian.) *Tekstil'. Promysh.* 10(12):22-25. Dec.1950. 304.8 T23
- 54751 LINDLEY, J. Free market serves industry better; cotton should be removed from the political arena. *Cotton Trade J.* 31(19):14-15. May 4, 1951. 72.8 C8214
- 54752 LLANAS BIALE, J. M. La industria del yute. *Inform. Com. Espan.* 210:206-209. Feb.1951. 286.8 In3
- Text in English, p. 229-231.
- 54753 LUNA ERCILLA, C. A. La industrialización del cáñamo; perspectivas económicas para nuestro país. *Charla Rur.* 148:55-58. Feb.1951. 9 C37
- Includes production costs in Argentina.
- 54754 MCLURE, J. H. Mills use laboratories to test cotton's spinning quality. *Cotton Digest* 23(33):52-53. May 5, 1951. 286.82 C822
- 54755 MACMILLAN, W. G., GUPTA, A. B. S., and MAJUMDAR, S. K. Studies in the bleaching of jute. II. *Indian Chem. Soc. J. Indus. & News Ed.* 13:115-128. Ref. 1950. 385 In27A
- 54756 MAYNE, S. C., JR. Commercial cotton testing laboratories help meet competition from synthetics. *Cotton Digest* 23(33):84-85. May 5, 1951. 286.82 C822
- 54757 THE MECHANICAL hackling of flax fibre. 4. The machine and the fibres. *Alphomega* 5:85-90. 1950. 297.8 AL7
- 54758 MERSERAU, E. P., and RAINARD, L. W. Color changes in wool during processing. *Textile Res. J.* 21:239-247. Apr.1951. 304.8 T293
- 54759 MIKHAILOV, N. V., and LEV, E. M. Production of durable viscose silk of high counts. (In Russian.) *Tekstil'. Promysh.* 10(10):12-14; (11):21-22. Oct.-Nov. 1950. 304.8 T23
- 54760 MONCRIEFF, R. W. The mechanics of wool felting. *Textile Mfr.* 77:157-161, 199. (Cont.) Apr.1951. 304.8 T3126
- 54761 MONCRIEFF, R. W. Some fundamental problems in the production of a synthetic wool. *Textile Rec.* 68(817):105-106. Apr.1951. 304.8 T311
- 54762 MONFORT, F., and REY, W. L'appréciation de la longueur de la laine sur ruban de peigné, par les lainiers. I. *Inst. Textile de France. B.* 24:81-93. Mar. 1951. 304.8 T3145
- 54763 MOORE, A. S. L'industrie linière irlandaise. *Fleur Bleue* 14:158-160. Apr.1951. 304.8 F63
- 54764 MOORE, J. H. Tests show North Carolina can produce cotton of high strength, good quality. *Cotton Trade J.* 31(19):22. May 4, 1951. 72.8 C8214
- 54765 MORGAN, O. M. Textile applications of nalconol NR. *Dyestuffs* 40:81-109. Apr.1951. 306.8 D982
- Includes fiber processing.
- 54766 MURCHISON, C. Factors relating to the future of American cotton. *Cotton Res. Cong. Proc.* 11:27-32. 1950. 72.9 C825
- 54767 NEKRASOV, P. I. On improving the training of textile technicians. (In Russian.) *Tekstil'. Promysh.* 10(12):6-8. Dec.1950. 304.8 T23
- 54768 NEW YORK COTTON EXCHANGE. Cotton year book, 1950. New York, 1951. 110 p. 287 N488Y
- Statistical.
- 54769 OOKANE, H. Kiori [Textile manufacture]. Tokyo, Corona-sha, 1950. 286 p. 304 Ool
- 54770 ORCUTT, E. P. Montana's wool marketing project. *Mont. Wool Grower* 25(4):13, 20. Apr.1951. 45.8 M762
- 54771 OSILOV, A. K. In regard to increasing the labor productivity of spinners and decreasing breakage on spinning machines. (In Russian.) *Tekstil'. Promysh.* 10(10):15-18. Oct.1950. 304.8 T23
- 54772 OSIPOVA, L. KH., and PASHINSKII, S. Z. Deformation of raw-silk filament in the cocoon-reeling process. (In Russian.) *Tekstil'. Promysh.* 10(10):11-12. Oct.1950. 304.8 T23
- 54773 PAKSHVER, A. B., FROLOV, S. S., and FILATOVA, N. N. Hygroscopicity and shrinkage of hydrate-cellulose silk. (In Russian.) *Tekstil'. Promysh.* 10(12):18-20. Dec.1950. 304.8 T23
- 54774 PALMER, R. C. Comparaison interlaboratoire du diamètre des fibres; mesures effectuées au moyen du microscope de projection. *Inst. Textile de France. B.* 24: 69-74. Mar.1951. 304.8 T3145
- 54775 PALMER, R. C. Expérience Schlumberger 1950. *Inst. Textile de France. B.* 24:77-80. Mar.1951. 304.8 T3145
- Fiber length test.
- 54776 PARSONS, L. E., and STEARNS, J. K. Textile fibers. *Scranton, Internatl. Textb.*, 1951. various paging. 304 P25
- 54777 PATTYN, J. The straw flax supply in 1950. (In Dutch.) *Textielwezen* 7(3):17-19. Mar.1951. 304.8 T3147
- Belgium.
- 54778 PAUL, S. S. Abutilon fibre as a substitute of jute. *Indian Textile J.* 61:413-415. Mar.1951. 304.8 In2
- 54779 PEACOCK, N., SIKORSKI, J., and WOODS, H. J. Crystalline structure of the cuticular sheath of wool fibres. *Nature [London]* 167:408. Mar.10, 1951. 472 N21
- 54780 PICKLES, F. Wool and yarn calculations; basic calculations relating to greasy and scoured wool costs, production of tops, effects of drafts and doublings, yarn counts and costings. *Canad. Textile J.* 68(11):75, 77, 79. (To be cont.) May 25, 1951. 304.8 C16
- 54781 PRESTON, J. M., and JOSHI, G. D. Die morphologie regenerierter zellulosefasern. *Kolloid-Z.* 122: 6-8. Ref. Apr.1951. 384 Z315
- 54782 PRODUCERS COTTON OIL CO. Cotton is really king in the West. *Fresno, Calif.*, 1950. 16 p. 72 P94
- 54783 PUIG, J. B. Diseminación, no desnuclicación, de nuestra industria textil. *Inform. Com. Espan.* 210: 320-322. Feb.1951. 286.8 In3
- Spain.
- 54784 RABÉCHAULT, H., and LOURD, J. Le chanvre orlé Laportea canadensis (L.) Gaud. *Coton et Fibres Trop.* 6:55-76. Mar.1951. 73.8 C82
- 54785 RAUCH, H. Die auflösung von faserstoffen auf zellulose- oder zellulosehydratbasis im blickpunkt der reyon- und zellwollindustrie. *Melliand Textilber.* 32:283-289. Apr.1951. 304.8 T312
- English summary.
- 54786 RAZUVAEV, A. A. An urgent problem. (In Russian.) *Tekstil'. Promysh.* 10(10):9-10. Oct.1950. 304.8 T23
- Production of long flax fiber at the flax factories.
- 54787 REA, L. Rayon—our fiber for '51. *Iowa. State Col. Agr. Ext. Iowa Farm Sci.* 5:141-142. Mar.1951. 275.28 Io94

- 54788 RICH, H. R., and CHASE, N. B. Relative humidity important in processing of wool fibers. *Textile World* 101(5):118-119. May 1951. 304.8 T315
- 54789 RINOLDI, L. Development of molds on wool; causes and remedies. (In Italian.) *Laniera* 65:119,121, 123. Feb.1951. 45.8 B63
- 54790 RIPA, O., and SPEAKMAN, J. B. The plasticity of wool. *Textile Res. J.* 21:215-221. Ref. Apr.1951. 304.8 T293
- 54791 RISO, R. Cotton analyses. (In Italian.) *Ist. Coton. Ital. Not. dell'Indus. Tessile Coton.* 5:289-292. Apr.1951. 286.3729 Is7N
- 54792 ROSSI, C. On the new tariff terminology. (In Italian.) *Laniera* 64:805,807,809,811. Nov.1950. 45.8 B63
- 54793 ROSSI, C. Single motor machinery for cotton spinning. (In Italian.) *Mondo Tessile* 6:12-14. (To be cont.) Jan.1951. 304.8 M742
- 54794 SAKURADA, I. *Seni no kagaku* [Science of textiles]. Tokyo, Sankyo Shuppan, 1950. 167 p. 304 Sa22
- 54795 SAMANDAROV, S. A., and KAGANOVSKIY, A. G. Processing of machine harvested cotton. (In Russian.) *Tekstil'. Promysh.* 10(11):19-21. Nov.1950. 304 T23
- 54796 SANDER, G. Les industries des blanchiment, teinture et apprêts sur fibres végétales. *Fleur Bleue* 14: 85-88. Apr.1951. 304.8 F63
- 54797 SAYRE, C. R. Farmers and economic stabilization. *Cotton Gin & Oil Mill Press* 52(9):24,26-28. Apr.28,1951. 304.8 C822
- Cotton price control.
- 54798 SCANLAN, J. J. Behind-the-scene story of New York exchange. *Egypt. Cotton Gaz.* 12:7-10. Jan. 1951. 72.8 Eg9
- Cotton futures.
- 54799 SCHAEFFER, A. *Handbuch der färberei und anderer prozesse der textilveredlung.* Stuttgart, Konradin-Verlag, 1949-50. 4 v. Ref. 306 Schl
- Includes discussion of textile fibers.
- 54800 SCHIRLE, C., and MEYBECK, J. Étude de l'action du chlorite et du bioxyde de chlore sur la laine. *Acad. des Sci. Compt. Rend.* 232:1219-1221. Mar.19, 1951. 505 P21
- 54801 SCOTT, L. W., BARRETT, D. J., and ROLLINS, M. L. The orifice test as a method for studying closing capacity of cotton fiber in the raw state. *Textile Res. J.* 21:148-155. Mar.1951. 304.8 T293
- 54802 SHARIF, M. R. Jute under non-devaluation. *Pakistan Econ. J.* 2(3):56-69. Mar.1951. 280.8 P174
- Pakistan and India.
- 54803 SHEPHERD, R. G., and PETERSON, W. E. Dusting cotton bales as a fire control measure. *Textile Indus.* 115(5):147,149,151. May 1951. 304.8 C823
- 54804 SIPPEL, A. *Chemiefasern und licht.* Melland *Textilber.* 32:205-209. Mar.1951. 304.8 T312
- English summary.
- 54805 SOFUE, K. *Jinzo seni-gaku* [Science of artificial textiles]. Tokyo, Corona Sha, 1950. 262 p. (Sen-i Kogyo Sosho No. 2) 304 So2
- 54806 STEHLI, R. H. Publicity for silk in Switzerland. *Internatl. Silk Assoc. B.* 7:10-11. Feb.1951. 304.9 In82B
- 54807 STEVENS, H. T., and RICHEY, H. L. Introduction to general textiles; laboratory manual. Minneapolis, Burgess, 1950. 65 p. 304 St43
- Includes fibers.
- 54808 STEVENS, S. P. The importance of wool in Australia's national income. *Econ. Rec.* 26:217-238. Dec.1950. 280.8 Ec74
- 54809 TANIZAKI, T. *Jinzokenshi to sutepuru faiba* [Artificial textiles and staple fiber]. Tokyo, Kyoritsu Shuppan, 1950. 138 p. 304 T152
- 54810 TAYLOR, A. S. Industry needs unity if it is to survive. *Cotton Digest* 23(33):20,30,32. May 5,1951. 286.82 C822
- 54811 THIEME, J. G. The reclamation of sisal flume tow. *East African Agr. J.* 16:133-150. Ref. Jan.1951. 24 En74
- 54812 THOMAS, H. A. Rayon and other man-made fibres and filaments. *Textile Wk.* 47:1070-1072,1074, 1076-1078. (To be cont.) Apr.20,1951. 304.8 T3127
- 54813 THOMAS, W. L. Wool scouring. *Wool Knowl.* 2:17-19. Spring 1951. 304.8 W886
- 54814 THORIA, L. Die eignung von bambuszellstoff zur herstellung von viskosereyon. *Melland Textilber.* 32: 282-283. Apr.1951. 304.8 T312
- English summary.
- 54815 TOWNSEND, M. W., and PALMER, R. C. La variation du numéro de fil de peigné dans une livraison. *Inst. Textile de France. B.* 24:109-111. Mar.1951. 304.8 T3145
- 54816 TURCHANINOV, A. A., and NECHAEVA, T. A. Research work at the [textile] enterprises at Latvian SSR. (In Russian.) *Tekstil'. Promysh.* 10(10):7-9. Oct.1950. 304.8 T23
- 54817 U. S. GENERAL SERV. ADMIN. EMERGENCY PROCUREMENT SERV. Extra long staple cotton. Washington, 1951. 2 p. (Natl. Stockpile Specification P-84) 178 Ex8
- 54818 VANCHIKOV, A. N. On type of drawing frame for cotton combing. (In Russian.) *Tekstil'. Promysh.* 10 (12):28. Dec.1950. 304.8 T23
- 54819 WAKEHAM, H., and SPICER, N. The strength and weakness of cotton fibers. *Textile Res. J.* 21:187-194. Ref. Apr.1951. 304.8 T293
- 54820 WELCH, C. L. Meeting the cotton goal. *Better Crops Plant Food* 35(3):25-26,41-43. Mar.1951. 6 B46
- 54821 WHITCOMB, L. B. Vicara staple fibre—its uses, properties and end products. *Canad. Textile J.* 68(11):51,53,65,67,69. May 25,1951. 304.8 C16
- 54822 WHITE, E. D. What's ahead for cotton? *Cotton Res. Cong. Proc.* 11:37-41. 1950. 72.9 C825
- 54823 WIGGINS, D. M. Textile research. *Cotton Res. Cong. Proc.* 11:23-26. 1950. 72.9 C825
- 54824 WINDEL, D. Developments in the world cotton situation during the first half of the 1950-51 season. *Egypt. Cotton Gaz.* 12:17-24. Jan.1951. 72.8 Eg9
- 54825 WRIGHT, J. W. Developments in research on cotton. *Canad. Textile J.* 68(9):62-63,65. (To be cont.) Apr.27,1951. 304.8 C16
- 54826 WYATT, C. Moroccan wool market. *Wool Knowl.* 2:15-16. Spring 1951. 304.8 W886
- 54827 YOUNG, C. Y. Outlook shows big problems involved in moving the 51 crop. *Cotton Digest* 23(33):28. May 5,1951. 286.82 C822
- 54828 ZENTLER, A. P., and HOPKINS, S. V. Le marché français des articles de laine. *Monit. Textile* 13:247, 249,251,253-254. Mar.1951. 304.8 M74

FRUITS, VEGETABLES, AND NUTS

- 54829 APELDOORN, E. L. J. VAN. The state of horticulture in 1950. (In Dutch.) *Drents Landtbl.* 32(1):4. Jan.6,1951. 12 D812
- 54830 AUWERA, G. VAN DER. Les aspects économiques de la viticulture en Belgique. *Annu. Agr. et Hort.* (1950/51)3:97-99. 1951. 13 An7
- The industry.
- 54831 BEATTIE, J. R. The cranberry industry looks ahead. *Mass. Farm Bur. Mass.* 1951:21. Feb.1951. 275.293 Mass.
- 54832 BURZLAFF, H. *Zweifelsfragen aus den Frankfurter Bedingungen 1950.* *Kartoffelwirtschaft* 4:127-128. Apr.6,1951. 286.83 K14
- 54833 CHINI, A. Protection of viticulture in typical zones. (In Italian.) *Terra [Firenze]* 62(13):1,3. Apr.1, 1951. 16 T274
- Italy.
- 54834 CONNECTICUT. DEPT. OF FARMS AND MARKETS. DIV. OF MARKETS. Connecticut vegetable industry and its outlook for 1951. *Conn. Dept. Farms & Mkt.* B. 118,17 p. Apr.1951. 2 C76B
- 54835 DAY, H. Citrus growing in South Africa. *New Commonwealth* 21:502-505. Apr.1951. 280.8 C88
- The industry.
- 54836 DIJCK, D. VAN. La situation économique de la culture potagère en Europe occidentale. *Annu. Agr. et Hort.* (1950/51)3:85-88. 1951. 13 An7
- 54837 DUCKWORTH, E. H. In the land of banana plantations, Victoria Division, Cameroons. *Nigeria* 35: 273-343. 1950. 110 N56
- Includes discussion of the banana industry.
- 54838 ELLAGALA, H. B. P. The commercial aspects of fruit cultivation in Ceylon. *Ceylon Trade J.* 16:1-4. Jan.1951. 286.8 C333
- 54839 ELLIS, H. Cot harvest prediction may apply to prunes and pears. *West. Fruit Grower* 5(5):27-28. May 1951. 95.8 G762
- 54840 ESHBACH, C. E. Officially in the records at last. *New Eng. Homestead* 124(5):33-35. Mar.10,1951. 6 N442
- The Massachusetts vegetable industry.
- 54841 GELDER, E. VAN. Unpleasantness in the fruit industry. (In Dutch.) *Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit* 5(16):3. Apr.20,1951. 286.28 V22
- Netherlands.
- 54842 HEINICKE, A. J. Observations on the fruit situation with special reference to the national emergency. *N. Y. State Hort. Soc. Proc.* 96:67-75. 1951. 81 N484

- 54843 KERR, J. Know your ingredients; nuts. Brit. Baker 122:606-607. (To be cont.) Apr.27,1951. 389.8 B772
- 54844 KINSCHER, W. Die kartoffelversorgung Berlins. Kartoffelwirtschaft 4:62. Feb.23,1951. 286.83 K14
- 54845 LÜTHI, H. Ertrag und verwertung der kernobsternte 1950. Schweiz. Z. f. Obst- u. Weinbau 60:148-149. Apr.7,1951. 80 Sch9
- 54846 MCCULLOUGH, W. B. Record potato crop produced by Argentina in current season. Foreign Trade 9:641-643. Apr.21,1951. 286.8 C162
- 54847 MAGELLI, E. Cultivation of tomatoes in Italy occupies more than 75,000 hectares. (In Italian.) Humus 7(3):14-17. Mar.1951. 16 H88
Includes cultural methods.
- 54848 MATT, J. Vorwärts im badischen erwerbsobstbau! Bauern Ztg. 4(14):7. Apr.6,1951. 18 B324
- 54849 MEXICAN citrus fruit growing; a survey of the industry. Mex.-Amer. Rev. 19(3):8-9,27-28,30-31. Mar.1951. 287 M572
- 54850 MILLER, C. R. 20-to-40 million bushels just won't stay buried. East. Fruit Grower 14(2):5,25. Apr. 1951. 80 Ea73
Apple situation.
- 54851 MULDER, G. Nuts, a little more attractive article. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 5(13):6-9. Mar.30,1951. 286.28 V22
The industry in various countries.
- 54852 NATIONAL FEDERATION OF FRUIT & POTATO TRADES. Handbook, 1951, including list of members officers and committees annual report and accounts. London,1951. 472 p. 286.83 N213
- 54853 PHILIPPONNEAU, M. L'horticulture britannique. France. Mln. de l'Agr. Rev. Études & Monog. 1951: 57,59,61-67,69-77. Mar.1951. 281.8 F84
Fruit, vegetables, and bulbs.
- 54854 POTTHAST, H. C. Growing of dates is big industry. Equity Union Exch. 38(18):1,3. May 2,1951. 6 Eq5
California.
- 54855 PRIEN, H. G. Pflanzkartoffelerzeugung 1950. Kartoffelwirtschaft 4:85-86. Mar.1,1951. 286.83 K14
Germany.
- 54856 PRUTHI, J. S. Citrus fruit juice industry in India. Indian J. Hort. 7(3/4):21-25. Sept./Dec.1950. 80 In2
- 54857 REHWINKEL, E. Zur kartoffellage. Landwirtsch. Weser-Ems 98:295. Apr.5,1951. 18 L2345
- 54858 ROGER, L. Les vendanges de 1950 et le potentiel du vignoble. Acad. d'Agr. de France. Compt. Rend. 37:140-144. Feb.7/14,1951. 14 P215Bc
Also in Agr. Prat. 115:135-137. Mar.1951. 14 J82
- 54859 SALAMAN, R. N. La papa y su folklore. Char-la Rur. 148:30-31,54. Feb.1951. 9 C37
- 54860 SCARAMUZZI, F. The quince tree in Apulia. (In Italian.) Italia Agr. 88:156-164. Ref. Mar.1951. 16 It1
The quince industry.
- 54861 SCHREIBER, W. R. Brazil nut harvest lower. Calif. Fruit News 123(3279):8. May 12,1951. 80 C12
- 54862 SCOTT, R. C. Some problems of the Ohio apple industry from the point of view of the wholesaler. Ohio. State U. Dept. Agr. Econ. & Rur. Sociol. Mimeog. B. 224, 17 p. Apr.1951. 281.9 Oh32
- 54863 SHERMAN, W. H. The outlook for small fruits for processing. N. Y. State Hort. Soc. Proc. 96:189-192. 1951. 81 N484
- 54864 STIER, H. L. Maryland's sweet potato industry. Md. Agr. Col. Ext. Fact Sheet 3,2 p. Feb.1951. 275.29 M36Fa
- 54865 THOMAS, M. D. The outlook for Northwest nut crops. Oreg. State Hort. Soc. Proc. 65:145-147. 1950. 81 Or32
Also in Nowest. Nut Bowl 2(8):1,4,6. Feb.1951. 94.68 N81
- 54866 THOMAS, M. D. The outlook for Oregon fruits and vegetables. Oreg. State Hort. Soc. Proc. 65: 9-14. 1950. 81 Or32
- 54867 TRUFANT, R. A. Getting to the bottom of it. Cranberries 15(12):12-16. Apr.1951. 80 C852
Cranberry industry.
- 54868 ULRICH, R., and MARCELLIN, P. Action de l'éthylène et de quelques produits organiques volatils sur la maturation des poires. Acad. d'Agr. de France. Compt. Rend. 37:77-80. Jan.24/31,1951. 14 P215Bc
- 54869 UNITED FRESH FRUIT AND VEGETABLE ASSOCIATION. "United" on the line; fresh facts, by R. A. Seelig. Washington,1950. 6 p. 286.2 Un33
- 54870 VON LOESECKE, H. W. Bananas; chemistry, physiology, technology. Ed. 2, rev. New York, Intersci. Pub.,1950. 189 p. (Econ. Crops. v. 1) 93.42 V89
Includes diseases and pests.
- 54871 WAIBEL, C. The mad rush is on. Border Scope 3(3):10,12. Mar.1951. 6 B64
Effect of the 1949 and 1951 freezes on the citrus industry in Texas.
- 54872 WILLARD, M. America grows 133,000,000 bushels apples. Tasmanian Fruitgrower & Farmer 28(329):25-26. Jan.1951. 23 T185
Analysis and Composition
- 54873 ANDERSON, E. E., and others. Pasteurized fresh whole pickles. II. Thermal resistance of microorganisms and peroxidase. (Abs.) Food Technol. 5(5,sup.):21. May 1951. 389.8 F7398
L. F. Ruder, W. B. Esselen, Jr., E. A. Nebesky, and M. Labbee, joint authors.
- 54874 ARTHINGTON, W., and HULME, A. C. The estimation of mercury on the peel of apples. Analyst 76: 211-215. Ref. Apr.1951. 382 An1
- 54875 BRAUTLECHT, C. A., and GETCHELL, A. S. The chemical composition of white potatoes. Amer. Potato J. 28:531-550. Ref. Mar.1951. 75.8 P842
- 54876 BUCK, R. E., and SPARKS, R. A. Relation of ketchup color to tomato color as determined by the Hunter Instrument. (Abs.) Food Technol. 5(5,sup.):21-22. May 1951. 389.8 F7398
Hunter Color-Difference Meter.
- 54877 CHARLEY, V. L. S. Apple juice, its composition and nutritive value. Milk Indus. 31(10):82-84,86. Apr.1951. 44.8 M593
- 54878 FABIAN, F. W., and others. Conditions influencing growth of mold in black raspberries of Great Lakes Area. Canner 112(19):16-18,20. May 12,1951. 286.83 C16
E. S. Beneke, F. J. Erickson, and R. Floate, joint authors.
- 54879 FABIAN, F. W., and others. What is a reasonable mold count for black raspberries in the Great Lakes Region? Canner 112(18):14-16. May 5,1951. 286.83 C16
E. S. Beneke, F. J. Erickson, and R. Floate, joint authors.
- 54880 FAVILLE, L. W., and HILL, E. C. Incidence and significance of microorganisms in citrus juices. (Abs.) Food Technol. 5(5,sup.):22. May 1951. 389.8 F7398
- 54881 FELLEBERG, T. VON. Versuche zur bestimmung bromhaltiger konservierungsmittel in fruchtsäften. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:72-76. 1951. 389.9 Sw6
- 54882 GOULD, W. A., KRANTZ, F. A., JR., and MAVIS, J. Quality evaluation of fresh, frozen, and canned yellow sweet corn. Food Technol. 5:175-179. Ref. May 1951. 389.8 F7398
- 54883 HADORN, H., JUNGKUNZ, R., and BIEFER, K. W. Analyse und beurteilung von tomatenkonserven. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:37-49. Ref. 1951. 389.9 Sw6
- 54884 HULME, A. C. The amino-acids present in the protein of the apple fruit. J. Sci. Food & Agr. 2:160-166. Apr.1951. 382 So12
- 54885 HULME, A. C. Apparatus for the measurement of gaseous conditions inside an apple fruit. J. Expt. Bot. 2(4):65-85. Ref. Feb.1951. 450 J8224
- 54886 HULME, A. C. The relation between the rate of respiration of an apple fruit and its content of protein. I. The value of this relation immediately after picking. J. Hort. Sci. 26:118-124. Mar.1951. 80 J825
- 54887 KETHLEY, T. W., COWN, W. B., and BEL-LINGER, F. Mathematical analysis of the reflected color of green beans. (Abs.) Food Technol. 5(5,sup.):28. May 1951. 389.8 F7398
- 54888 KETHLEY, T. W., COWN, W. B., and BEL-LINGER, F. Measurement of the color of green beans by reflection. (Abs.) Food Technol. 5(5,sup.):28. May 1951. 389.8 F7398
- 54889 KLIMENKO, V. G. Nitrogen containing substances of some representatives of the legume family genera. (In Russian.) Biokhimifa 15:408-413. Ref. Sept./Oct.1950. 385 B523
Seed analysis of legumes.
- 54890 KRAMER, A. Objective testing of vegetables. (Abs.) Food Technol. 5(5,sup.):29. May 1951. 389.8 F7398

54891 OLSEN, R. W., and others. Gelation and clarification in concentrated fruit juices. II. Effect of quantity and type of pulp in the concentrate. (Abs.) Food Technol. 5(5,sup.):23. May 1951. 389.8 F7398

R. L. Huggart, D. M. Asbell, and C. D. Atkins, joint authors.

54892 PEYNAUD, E. Sur la composition chimique des pêches. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron. 1:775-791. Ref. Nov./Dec.1950. 14 F8499

54893 PORTUGAL. JUNTA NACIONAL DAS FRUTAS. Analytical data on the composition of Portuguese fruits (grapes, oranges). (In Portuguese.) Portugal. Junta Nac. das Frutas. B. 10:309-338. Second Q.1950. 286.3939 P83

English summary.

54894 ROBINSON, W. B., RANSFORD, J. R., and HAND, D. B. Measurement and control of color in canned tomato juice. (Abs.) Food Technol. 5(5,sup.):28. May 1951. 389.8 F7398

54895 TISCHER, R. G., and KEMPTHORNE, O. Influence of variations in technique and environment on the determination of consistency of canned sweet corn. Food Technol. 5:200-203. May 1951. 389.8 F7398

54896 VAUGHN, R. H. The microbiology of dehydrated vegetables and indices of sanitation. (Abs.) Food Technol. 5(5,sup.):18. May 1951. 389.8 F7398

Bacteria, molds, and yeasts.

54897 WENZEL, F. W., ROUSE, A. H., and MOORE, E. L. Gelation and clarification in concentrated citrus juices. I. Introduction and present status. (Abs.) Food Technol. 5(5,sup.):23. May 1951. 389.8 F7398

54898 WHITE, L. S. Spoilage bacteria in tomato products. (Abs.) Food Technol. 5(5,sup.):20. May 1951. 389.8 F7398

54899 WILLIAMS, K. T., and MCCOMB, E. A. A rapid method for the determination of oil in potato chips. Potato Chipper 10(9):5-6. Apr.1951. 75.8 P844

Consumption and Utilization

54900 ABREU, A. DA P. Fruit in the diet of the peoples of Lisbon and Oporto, in the 1946/48 triennium. (In Portuguese.) Portugal. Junta Nac. das Frutas. B. 10:210-223. Second Q.1950. 286.3939 P83

English summary.

Consumption and nutritive value derived.

54901 GADEN, E. L., JR., PETSIVAS, D. N., and WINCKER, J. The utilization of citrus fruit processing wastes; microbiological production of riboflavin and citric acid from citrus molasses. (Abs.) Food Technol. 5(5,sup.):22. May 1951. 389.8 F7398

54902 IVERSEN, M. Use of garden products in rural homes. (In Danish.) Tidsskr. f. Hush. 30:35-36. (To be cont.) Mar.21,1951. 321.8 T43

54903 WIEGAND, E. H. Utilization of filberts in manufactured foods. Oreg. State Hort. Soc. Proc. 65:148-149. 1950. 81 Or32

54904 WOOD, M. Apples that consumers like. N. Y. State Hort. Soc. Proc. 96:28-29. 1951. 81 N484

Distribution, Marketing, and Transportation

54905 BENNETT, J. F. Operations of marketing control measures, California Fig Institute annual meeting 1951. Calif. Fig Inst. Annu. Rpt. 16:34-38. 1951. 93.44 C122A

54906 BREMER, K. Kartoffeln falsch bewertet! Kartoffelwirtschaft 4:141-142. Apr.20,1951. 286.83 K14

Germany.

54907 BRUNK, M. E., and DOMINICK, A., JR. Experiments show what makes your apples sell. N. Y. State Hort. Soc. Proc. 96:21-28. 1951. 81 N484

54908 BUCHAN, B. What do you serve with cranberry sauce? Cranberries 16:19-21. May 1951. 80 C852

Advertising suggestion.

54909 COUCHMAN, R. The California Peach Marketing Act—how it really works. Farm Policy Forum 4(4):29-32. Apr.1951. 281.8 F2274

54910 DAVIS, H. J. UK markets; holiday observations on London's fresh fruit supplies and sales facilities. Citrus News 27:7. Jan.1951. 80 C494

54911 EVANS, H. C. Cost of marketing West Virginia apples. Morgantown? W. Va., 1951. 4 p. 280.393 Ev1

54912 FALLBROOK CITRUS ASSOCIATION. Thirty-fifth annual report, season 1949-50. Fallbrook, Calif., 1950. 10 p. 281.3939 F19

54913 FERGUSON, C. Fruit and vegetable co-operative's remarkable success; how native farmers in Northern Transvaal market their crops. Farmer's Wk. [Bloemfontein] 80:49. Mar.14,1951. 24 F225

54914 GRAY, J. M. Up-to-date merchandising brings results with potatoes. Farmer's Mag. 48(4):9,62-63. Apr.1951. 7 C165

54915 GURNETT, J. Florida's giant Citrus Mutual. Amer. Fruit Grower 71(4):13,40-43. Apr.1951. 80 G85

54916 HARVEY, E. M., and others. Transportation test with Washington Navel oranges, comparing ventilation behavior of the 561- and the 462-box loads from central California to New York, January 1951. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 242, 6 p. Mar.1951. 1.9 P772Ht

E. P. Atrops, J. Kaufman, and J. R. MacRill, joint authors.

54917 HERRICK, J. F., JR. Putting produce on wheels. Fruit & Veg. Rev. 13(2):16-17. May 1951. 80 C122A

54918 HIEMELEERS, J. The consumer ought to know our fruit better. (In Flemish.) Tuinbouwberichten 14:88-89. June 15,1950. 80 T817

Belgium.

54919 KLAHRE, J. E. Present day problems in handling and marketing apples and pears. Oreg. Hort. Soc. Proc. 65:39-42. 1950. 81 Or32

54920 KNOLL, G. Bedingungen des Interzonenverkehrs. Kartoffelwirtschaft 4:67-68. Feb.23,1951. 286.83 K14

Germany.

54921 KOPPER, H. R. The marketing outlook for Kansas sweet potatoes. Kans. State Hort. Soc. Bien. Rpt. 50:34-37. 1950. 81 K13

54922 KOPPER, H. R. The new fruit and vegetable marketing project at Kansas State College. Kans. State Hort. Soc. Bien. Rpt. 50:44-48. 1950. 81 K13

54923 KUNZ, H. Marktkonforme mittel in der kartoffelwirtschaft. Kartoffelwirtschaft 4:9-10. Jan.12,1951. 286.83 K14

Germany.

54924 LAURENT, R. La campagne des pommes de terre sera-t-elle dangereusement compromise par la mauvaise organisation des transports? Infom. Maro-calne 533:1-2. Mar.31,1951. 281.8 In3

54925 LEMKE, H. Die kunst des rügens. Kartoffelwirtschaft 4:13. Jan.12,1951. 286.83 K14

Legal aspects of marketing in Germany.

54926 LENFANT, L'action des pouvoirs publics sur le marché des fruits et légumes aux U.S.A. Libération Paysanne 8(305):9. (Concl.) Mar.30,1951. 14 L61

54927 MARTINI, Zum pflanzgutwechsel in Nord-Württemberg. Markt-Ber. 4(9):3-4. In Kartoffelwirtschaft 4(9). Mar.1,1951. 286.83 K14

54928 PENTZER, W. T. Temperatures needed for the transport of fruits and vegetables. (Abs.) Food Technol. 5(5,sup.):10-11. May 1951. 389.8 F7398

54929 RIET, G. VAN 'T. On the need for modernizing vegetable and fruit marketing. (In Dutch.) Groenten en Fruit 6:675. Mar.22,1951. 80 G89

Netherlands.

54930 ROBINSON, E. J. Advertising and sales promotion. Calif. Fig Inst. Annu. Rpt. 16:27-33. 1951. 93.44 C122A

54931 ROTH, H. Zum kartoffeltag 1951 in Berlin. Kartoffelwirtschaft 4:62,64,66. Feb.23,1951. 286.83 K14

54932 ROTH, W., JR. Schledsgerichtsordnung und frankfurter bedingungen 1950. Kartoffelwirtschaft 4:19-20. Jan.19,1951. 286.83 K14

Germany.

54933 SEYMOUR, F. Growers Administrative Committee and Shippers Advisory Committee. Citrus Mag. 13(8):16-17. Apr.1951. 80 C498

Citrus marketing in Florida.

54934 SMEDT, A. DE. Marketing and packaging of vegetables and fruit. (In Flemish.) Tuinbouwberichten 14:93-94. June 15,1950. 80 T817

54935 SWART, H. J. DE. The potato dealer and his product. III-IV. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 5(13):11,13; (15):6. Mar.30, Apr.13,1951. 286.28 V22

Netherlands.

54936 TYLER, J. G. The marketing program for figs. Calif. Fig Inst. Annu. Rpt. 16:20-26. 1951. 93.44 C122A

54937 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Chicory Control Board for the accounting year 1st October, 1947, to 30th September, 1948 and the balance sheet as at 30th September, 1948. Pretoria, 1950. 13 p. 286.3919 So8

54938 U. S. PRODUCTION AND MARKETING ADMIN. Merchandising reconstituted frozen concentrated orange juice through the use of mechanical dispensers, by E. D. Downie, O. Rauchsvalbe, and H. R. Treinish. Washington, 1951. 18 p. 1.956 M343M53

54939 U. S. PRODUCTION AND MARKETING ADMIN. FRUIT AND VEGETABLE BR. [Commodity market reports.] 1.9 Ec741L

Fruit and vegetable marketing summaries, 1949/50 and 1950 seasons. Includes apples, apricots, cantaloups, cherries, citrus fruits, deciduous tree fruits, grapes, nectarines, peaches, pears, plums, strawberries, water-melons.

Asparagus, beans (lima and snap), brussels sprouts, cabbage, carrots, celery, cucumbers, lettuce, onions, peas, potatoes, spinach, sweetpotatoes, and tomatoes. Issued from 35 markets.

54940 WESTBERG, F. Fruit commission pushes promotion. West. Fruit Grower 5(5):16. May 1951. 95.8 G762

Grading, Inspection, Standardization, and Quality

54941 BOYD, A. E. W. The internal blackening of potatoes caused by bruising. J. Hort. Sci. 26:148-156. Ref. Mar.1951. 80 J825

54942 CRUESS, W. V. Factors affecting the stability of color of canned ripe olives. (Abs.) Food Technol. 5(5,sup.):20. May 1951. 389.8 F7398

54943 DUNLAP, W. H. Better seed safeguards your potato crop. East. States Coop. 27(2):5. Feb.1951. 280.28 Ea7

54944 HYDE, H. H. The Dried Fig Advisory Board. Calif. Fig Inst. Annu. Rpt. 16:43-44. 1951. 93.44 C122A

Grading.

54945 JAMESON, H. R., and TANNER, C. C. Taint in potatoes grown on land treated with crude benzene hexachloride against wireworms. J. Sci. Food & Agr. 2:171-175. Apr.1951. 382 So12

54946 JOHNSON, G., and JOHNSON, D. K. Increase in rate of enzymatic browning of apples during storage. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:27-28. Oct.1950. 500 C717

54947 KILBUCK, J. H. Relation of time of harvest and area of production to yield, quality, and acceptance of dried fruits. I. Prunes. (Abs.) Food Technol. 5(5,sup.):18. May 1951. 389.8 F7398

54948 LINDQUIST, F. E., and others. Effect of enzyme inactivation on quality retention in frozen brussels sprouts. Food Technol. 5:198-199. May 1951. 389.8 F7398

W. C. Dietrich, M. P. Masure, and M. M. Boggs, joint authors.

54949 MCGLUMPHY, J. H. Fruit flavors. (Abs.) Food Technol. 5(5,sup.):23. May 1951. 389.8 F7398

54950 MORSE, R. E. Sequestering and vitamin C destruction by copper. (Abs.) Food Technol. 5(5,sup.):22. May 1951. 389.8 F7398

Studies on tomato juice.

54951 MRAK, E. M. Microbiological deterioration of dried fruits. (Abs.) Food Technol. 5(5,sup.):18. May 1951. 389.8 F7398

54952 PEDERSON, C. S., and ROBINSON, W. B. The color of kraut is index to flavor. Food Packer 35(5):30-31,64. May 1951. 286.83 C165

54953 PEDERSON, C. S., and ROBINSON, W. B. Sauer kraut—a high-quality product. Farm Res. [N. Y. State Sta.] 17(2):15. Apr.1951. 100 N48A

54954 SCHMID, O. Ist die für kirschen-A-sortierung vorgeschlagene kontrollbestimmung "madenfrei" gerecht? Schweiz. Z. f. Obst- u. Weinbau 60:182-184. May 5,1951. 80 Sch9

54955 SPANGLER, R. L. Consumer standards for fresh fruits and vegetables. Washington, U. S. Prod. & Mktg. Admin., 1951. 4 p. 1.956 F94Sp2

Address, First Annual Conference of the Produce Pre-packaging Association, Columbus, Ohio, Apr. 3-5, 1951.

54956 SWAINE, R. L. The effect on the flavor of strawberry preserves caused by partial replacement of sucrose with other sweeteners. (Abs.) Food Technol. 5(5,sup.):23. May 1951. 389.8 F7398

54957 U. S. PRODUCTION AND MARKETING ADMIN. Comparison color requirements for U. S. standards, proposed U. S. standards, proposed U. S. consumer standards, and Washington standards for apples. Washington, 1951? 2 p. 1.956 A2C7324

54958 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned blueberries. Rev. Washington, 1951. 8 p. 1.956 A2T268

54959 VIEREGGE. Festsetzung des minderwertes, so oder so? Kartoffelwirtschaft 4:145. Apr.20,1951. 286.83 K14

Seed potatoes.

54960 WHYTE, A. R. The Dried Fruit Association inspection agency. Calif. Fig Inst. Annu. Rpt. 16:39-42. 1951. 93.44 C122A

54961 WOODROOF, J. G., and SHELOR, E. Browning of frozen vegetables, particularly okra. (Abs.) Food Technol. 5(5,sup.):29. May 1951. 389.8 F7398

Packing and Packaging

54962 CARLSEN, E. W., and STOKES, D. R. Pre-packaging apples at point of production. Fruit & Veg. Rev. 13(2):24-25. May 1951. 80 C1224

Prices, Price Control, and Rationing

54963 TYSSER, H. F. Price of oranges stabilised in Britain; ready sale for deciduous fruit from South Africa. Farmer's Wk. [Bloemfontein] 80:55. Mar.14,1951. 24 F2225

Processing and Storage

54964 APP, J., and others. More storage time for grapes. 1. Ice & Refrig. 120(5):43-45. May 1951. 295.8 Ic2

G. J. Lorant, O. J. Worthington, and E. H. Wiegand, joint authors.

54965 ATKINS, C. D. An evaporator for the concentration of citrus and other fruit juices. (Abs.) Food Technol. 5(5,sup.):23. May 1951. 389.8 F7398

54966 BOETTCHER, K. Taschenbuch für kartoffel-trockner. Ed. 2, rev. Halle, Marhold, 1950. 60 p. 389.3 B63

54967 BÖTTCHER, W. Pilzverwertung und pilzkonservierung. München, Odenbourg, 1950. 141 p. Ref. (Technika, Bücher der Praxis, Bd. 4) 389.3 B65

54968 COLE, W. R. Cold storage for cranberry growers. Cranberries 16:11-12. May 1951. 80 C852

54969 CROCE, F. M. Conservación de camotes al natural, por el método Appert. Vinos, Viñas y Frutas 45:374-376. Feb.1951. 9 Ag89

54970 CROOK, E. M., and WATSON, D. J. Studies on the storage of potatoes. II-III. J. Agr. Sci. 40:199-232. Ref. July 1950. 10 J822

II, The temperature conditions inside potato clamps; III, The composition of the atmosphere in a potato clamp.

54971 CRUESS, W. V. The dried-fruit industry and frozen-food production in California. J. Sci. Food & Agr. 2:149-156. Ref. Apr.1951. 382 So12

54972 CRUESS, W. V., O'NEAL, R., and RIVERA, W. New products from California cling peaches. (Abs.) Food Technol. 5(5,sup.):32. May 1951. 389.8 F7398

54973 ESSELEN, W. B., JR., and others. Pasteurized fresh whole pickles. I. Pasteurization studies. (Abs.) Food Technol. 5(5,sup.):21. May 1951. 389.8 F7398

E. E. Anderson, L. F. Ruder, Jr., and I. J. Pflug, joint authors.

54974 ETCHELLS, J. L., and JONES, I. D. Progress in pickle research. II. Glass Packer 30:358-360,372,376,378,380. Ref. May 1951. 309.8 G463

54975 FABIAN, F. W., and JACOBS, P. D. Detergent unnecessary, picklers find. Food Packer 35(5):32-33,66. May 1951. 286.83 C165

54976 HALLER, M. H., and others. Post-harvest treatments for the control of decay on peaches.

Cumberland-Shenandoah Fruit Workers' Conf. [Proc.] 26:102-106. 1950. 81 C91

M. A. Smith, S. E. Womeldorph, Jr., and W. L. Smith, Jr., joint authors.

54977 HAMMOND, A. E. An innovation in gas storage. Fruit, Flower & Veg. Trades' J. 99(11):23-24. Mar.17,1951. 80 F946

For apples and pears.

54978 HARDING, P. L., and others. Storage test of Florida oranges 1950. Citrus Indus. 32(5):5-7,22. May 1951. 80 C49

J. S. Wiant, W. A. Radspinner, M. B. Sunday, and J. Kaufman, joint authors.

54979 HAYES, H. P. High vacuum pre-cooling method for produce. Ice & Refrig. 120(5):49-53. May 1951. 295.8 Ic2

54980 HIEMELEERS, J. La situation des industries transformatrices de fruits. Annu. Agr. et Hort. (1950/51) 3:89-93. 1951. 13 An7

Belgium.

54981 HILBERT, G. E. What's new in frozen concentrates. (Abs.) Food Technol. 5(5,sup.):32. May 1951. 389.8 F7398

Fruit and vegetable juices.

54982 JACQUIN, P., and TAVERNIER, J. Sur l'importance relative de l'azote et du phosphore dans la fabrication des cidres doux. Acad. d'Agr. de France. Compt. Rend. 37:93-97. Jan.24/31,1951. 14 P215Bc

Includes discussion.

54983 KASSAB, M. A. Experiments on clarification and preservation of lime juice. *Canner* 112(16):10-11. Apr.21,1951. 286.83 C16

54984 KEUKEN, W. Storage fruit. (In Dutch.) *Betuws Tuinbouwbl.* 8(24):2,4. Feb.17,1951. 80 B464 Netherlands.

54985 KLOCK, D. How processors are working to up-grade the apple industry. *N. Y. State Hort. Soc. Proc.* 96:29-36. 1951. 81 N484

54986 LEE, F. A. An objective method for measuring the effect of freezing rate on asparagus. (Abs.) *Food Technol.* 5(5,sup.):29. May 1951. 389.8 F7398

54987 LEGAULT, R. R., HENDEL, C. E., and TAL-BURT, W. F. Storage of dehydrated vegetables. (Abs.) *Food Technol.* 5(5,sup.):18-19. May 1951. 389.8 F7398

54988 LINDQUIST, F. E., DIETRICH, W. C., and BOGGS, M. M. Effect of processing procedures on quality of frozen whole kernel sweet corn. (Abs.) *Food Technol.* 5(5,sup.):29. May 1951. 389.8 F7398

54989 MENKE, H. C. Canning Kadota figs. *Calif. Fig Inst. Annu. Rpt.* 16:45-46. 1951. 93.44 C122A

54990 MEYER, J. Pasco sets the pace; control instrumentation gives added efficiency to world's largest citrus concentrate plant. *Instrumentation* 5(2):10-13. First Q.1951. 297.8 In73

54991 MITCHELL, J. W. Control of after-harvest changes in bean fruits by means of growth regulating chemicals. *Internatl. Cong. Crop Protect. Abs. Commun.* 2:103. 1949. 464.9 In832

54992 MOORE, E. L., and others. Canned tangerine juice. II. Further studies. *Citrus Indus.* 32(5):8-9,11-12,14-15. May 1951. 80 C49

C. D. Atkins, R. L. Huggart, and L. G. MacDowell, joint authors.

54993 MORGAN, A. H. Capping berries mechanically. *Amer. Fruit Grower* 71(5):27. May 1951. 80 G85 Strawberries.

54994 NIMMO, C. C., WALKER, L. H., and SEAMANS, V. S. Influence of storage conditions on frozen and canned apple juice concentrates. (Abs.) *Food Technol.* 5(5,sup.):30. May 1951. 389.8 F7398

54995 PEDERSON, C. S., and ROBINSON, W. B. Improved processing boosts sauerkraut quality. *Canner* 112(18):25,28. May 5,1951. 286.83 C16

54996 PERFIL'EV, A. G., and RAITSEV, M. M. Tekhnologiya plodoovoshchnogo proizvodstva v artel'fakh promyslovoi kooperatsii [Technology of fruit and vegetable processing in the artels of handicraft cooperation]. *Moskva, Vses. Kooperativnoe Izd-vo*, 1950. 131 p. 389.3 P41

54997 PRITCHETT, D. E., STEVENS, J. W., and BAIER, W. E. Dehydrated orangeade by a two-stage process. *Food Technol.* 5:179-181. May 1951. 389.8 F7398

54998 REBOUR, H. Le déverdisage des agrumes. *Fruits et Primeurs de l'Afrique du Nord* 21:100-101. Mar.1951. 80 F9482

54999 SCHREIBER, W. R. World dried apple pack below average. *Calif. Fruit News* 123(3277):4. Apr.28, 1951. 80 C12

55000 SCHREIBER, W. R. World dried peach production smallest in years. *Calif. Fruit News* 123(3277):4. Apr.28,1951. 80 C12

55001 SCHREIBER, W. R. World dried pear production. *Calif. Fruit News* 123(3277):4. Apr.28,1951. 80 C12

55002 SCHREIBER, W. R. World 1950 dried prune production below average. *Calif. Fruit News* 123(3276):5. Apr.21,1951. 80 C12

55003 SHERMAN, W. H. Improving the fruit business by canning and freezing. *N. Y. State Hort. Soc. Proc.* 96:36-44,257-262. 1951. 81 N484

Includes discussion.

55004 SIEBENEICK, H. Auflaufschäden bei kartoffeln. *Kartoffelwirtschaft* 4:125-126. (To be cont.) Apr.6,1951. 286.83 K14

55005 SKEPPER, A. H., and DAVISON, J. R. Harvesting and preparing prunes for dehydration. *Agr. Gaz. N. S. Wales* 62:87-91. (To be cont.) Feb.1,1951. 23 N472

55006 SMOCK, R. M. Factors affecting the keeping quality of apples. *N. J. State Hort. Soc. Hort. News* 32:2362-2363,2374,2382. Mar.1951. 81 N46

55007 TINDALE, G. B. Cool storage of apples. *Victoria. Dept. Agr. J.* 49:78-79. Feb.1951. 23 V66J

55008 TRIGG, R. S. Food in the defense effort. *Calif. Fruit News* 123(3274):3-4. Apr.7,1951. 80 C12 Canning.

55009 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Dried Fruit Board for the accounting year 1st December, 1948 to 30th November, 1949, and balance sheet as at 30th November,1949. Pretoria,1950. 19 p. 286.3939 So83V

55010 WAGNER, J. R., and others. Evaluation of the methyl ester of alpha naphthalene acetic acid as a sprout inhibitor for potatoes under armed forces conditions of use. (Abs.) *Food Technol.* 5(5,sup.):19. May 1951. 389.8 F7398

F. Hemphill, M. Simon, and B. Heiberg, joint authors.

Statistics

55011 COSENTINO, S. Production and trade in almonds. (In Italian.) *Cam. di Com. Indus. e Agr. Bari.* B. (n.s.)35(1):2-6. Jan.1951. 287 B232

Statistics.

55012 COSMA, G. Grape plantings and the limits of the customs union with France. (In Italian.) *Italia Agr.* 88:121-124. Mar.1951. 16 It1

Acreage and area.

55013 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. BUR. OF STATISTICS. Survey of fruits and vegetables in Chautauqua-Erie area, New York, 1950, summary report. *N. Y. Dept. Agr. & Mkt. Bur. Statls.* RMA Release 5,54 p. Apr.1951. 280.3939 N483

U. S. Bureau of Agricultural Economics cooperating. Statistics.

GRAIN AND GRAIN PRODUCTS

55014 ADAMS, G. A. Separation of starch and gluten. VI. Starch recovery and purification. *Canad. J. Technol.* 29:217-231. May 1951. 470 C16F

From wheat flour.

55015 ALLISON, A. G. A public relations program for the grain and feed industry. *Westernnews* 12(8):1-3. Apr.1951. 389.78 W522

55016 BRANDOW, G. E. Let's keep a grain reserve. *Farm Policy Forum* 4(4):27-28. Apr.1951. 281.8 F2274

55017 BRITISH GUIANA RICE MARKETING BOARD. Report for the period 1st October, 1949, to 30th September, 1950. Georgetown,1950. various pagings. 59.9 B773

55018 COCITO, C. Historical observations on the Turin grain markets. (In Italian.) *Cron. Econ.* 97:33-35. Jan.1951. 280.8 C882

55019 CREWETHER, W. G. Studies on *Aerobacillus polymyxa*. I-III. *Austral. J. Appl. Sci.* 1:437-479. Ref. Dec.1950. 475 Au74

I, Fermentation and filtration characteristics of strains of *A. polymyxa*; II, Factors affecting the production of 2,3-butandiol and ethanol; III, Fermentations of wheat mashes containing added fermentable carbohydrates.

Fermentation of corn or wheat mashes for synthetic rubber.

55020 DANESI, G. Industria molitoria; molini da grano [Milling industry; grain mills]. *Milano, Hoepli*, 1951. 409 p. Ref. 298 D191

55021 DOOLE, W. E. Making a small mill pay in Canada. *Amer. Miller & Processor* 79(4):32-34. Apr. 1951. 298.8 Am32

55022 FINK, H., WÖGER, K., and HEIDER, H. Bestimmung der Keimfähigkeit nach dem tetrazolium-verfahren. III. *Brauwelt* 1951:245-247. Mar.29,1951. 390.8 B732

Barley.

55023 FROST, H. C. Utilization of instrumentation in the wet milling industry. (Abs.) *Food Technol.* 5(5,sup.):28. May 1951. 389.8 F7398

55024 GRAÇA, L. Q. The Portuguese grain problem. (In Portuguese.) *Com. Portug.* 39/40:63. June 1950. 286.8 C7332

55025 GT. BRIT. COLONIAL OFF. Report of the Sorghum Mission to certain British African Territories. *Gt. Brit. Colon. Adv. Council Agr. Anlm. Health & Forestry*, P. 2,105 p. 1951. 281.9 G793

Study of possibilities of increasing grain sorghum culture by mechanization.

55026 HERMES. Brotgetreide anliefern! Württemb. Wchnbl. f. Landwirt. 118:234. Mar.24,1951. 18 W96

Prices.

55027 HICKS, O. C. New Brunswick farmers will enter National Barley Contest. *Marit. Farmer & Coop. Dairyman* 56(12):6. Mar.1951. 7 C77

55028 HOPF, L. Das trocknen von mehl. *Müllerei* 4:151-152. Mar.3,1951. 298.9 M91

- 55029 HOUSTON, D. F., ROBERTS, R. L., and KESTER, E. B. Method of measurement of lipase activity in rice bran. *Rice J.* 54(4):29-30. Apr.1951. 59.8 R36
- 55030 ILLINOIS. DEPT. OF AGRICULTURE. DIV. OF GRAIN INSPECTION. Grades of grain and rules governing inspection, established by Illinois Commerce Commission. Rev. ed. Springfield, 1950. 100 p. 280.359 IL64
- 55031 KOLBACH, W. G. Besuch in der französischen müllerschule. *Müllerei* 4:176. Mar.10,1951. 298.9 M91
- 55032 MENCKEN, A. Here's the other side of the weeds-in-grain argument. *Farm & Ranch Rev.* 47(3):12-13. Mar.1951. 7 F223
- On the question of dockage disposal in the grain crop of Western Canada.
- 55033 MEYER, G. P. Storage problems ease at country elevators. *Farmers Union Herald* 25(8):9. Apr.23, 1951. 280.28 F224
- Grain.
- 55034 MURAKAMI, H. Statistical studies on the yields of rice plants in "Chugoku" region. (In Japanese.) In *Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary*, p.71-81. Shidzuoka, 1950. 107.6 Sh6Co
- 55035 NAGEL, R. Die feuers- und explosionsgefahr in getreidemühlen. *Müllerei* 4:129-130. Feb.24,1951. 298.9 M91
- 55036 NATTA, G., and BEATI, E. Continuous process for furfural extraction. (In Italian.) *Chim. e l'Indus.* 33:63-67. Ref. Feb.1951. 385 G43
- From grain.
- 55037 NESBITT, L. D. Light on the wheat marketing situation. *West. Farm Leader* 16:114-115,120. Apr.20, 1951. 280.28 W52
- 55038 NESBITT, L. D. The times have changed for wheat marketing in Canada. *Farm & Ranch Rev.* 47(3,i.e.4):10-13. Apr.1951. 7 F223
- 55039 OGILVIE, J. C. Specialty flours key to Timme Mill progress. *Amer. Miller & Processor* 79(5):54,56. May 1951. 298.8 Am32
- 55040 PELISSIER. Rapport présenté à la Commission des Blés Durs. Colon Franç. de Tunisie (ser.7)44 (2193):1,3-4. Apr.14,1951. 24 C712
- Relates to North Africa.
- 55041 PFALZNER, P. M. The specific heat of wheat. *Canad. J. Technol.* 29:261-268. May 1951. 470 C16F
- 55042 PUSCH, T. C. Cleaning hard winter wheat for the production of white flour. *Amer. Miller & Processor* 79(4):26-28,31,86-88. Apr.1951. 298.8 Am32
- 55043 PUTNAM, H. O. Durum an important crop. *Macaroni J.* 32(12):10. Apr.1951. 298.8 N46
- 55044 RANSBEECK, M. P. VAN. La concurrence du riz américain. *Vivres* 6(3):12-17. Mar.1951. 389.8 V832
- 55045 RAO, D. S. Hints on safe preservation of seed and foodgrains. *Mysore Agr. J.* 26:69-70. Jan.1951. 22 M993
- 55046 REVISED rice seed standards announced in Texas. *Rice J.* 54(4):25-28. Apr.1951. 59.8 R36
- 55047 RICHARDSON, T. C. Sorghum sustained the pioneers of our Southwest. *Farmer-Stockman* 54(4):11, 23. Apr.1951. 6 Ok45
- 55048 ROUSSEAU, M. La culture du maïs grain offre-t-elle des possibilités pour la Belgique? *Annu. Agr. et Hort.* (1950/51)3:39-44. 1951. 13 An7
- 55049 RUDOLPH, G. Ausmahlung in Nordrhein-Westfalen. *Landwarenkaufmann* 13:2. In *Ernährungsdiens* 6(36). Mar.31,1951. 389.8 Er62
- 55050 SCHMORL, K. Kolloide in der müllerei und bäckerei. III. *Müllerei* 4:155-156. Mar.3,1951. 298.9 M91
- 55051 SCHWIMMER, S. The malt amylases, a review of recent literature. *Brewers Digest* 26(4):47-49,52. Ref. (Concl.) Apr.1951. 390.8 B75
- 55052 SIEBENBERG, J. Some characteristics of 1951 U. S. malts and their barleys. *Amer. Brewer* 84(5):36. May 1951. 390.8 Am3
- 55053 SILVELA TORDESILLAS, F. La calidad harinopanadera y la condición comercial del trigo importado durante el año 1949. Spain. *Inst. Nac. de Invest. Agron. B.* 10:561-611. Dec.1950. 105.6 Sp14
- 55054 SPEIGHT, J. The handling of flour. *Milling* 116:450. May 5,1951. 298.8 M622
- 55055 STONE, J. E. The brigetting of straw. *Canad. J. Technol.* 29:98-110. Ref. Feb.1951. 470 C16F
- 55056 SVENSON, J. Untersuchungen über die kleberqualität von winter- und sommer- weizenstämmen der erntejahre 1947-1949. *Züchter* 20:356-357. 1950. 442.8 Z8
- 55057 TALMEY, P. The bulk transportation and handling of flour. (Abs.) *Food Technol.* 5(5,sup.):12. May 1951. 389.8 F7398
- 55058 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Mealle Industry Control Board for the accounting year 1st May, 1947 to 30th April, 1948 and the balance sheet as at 30th April, 1948. Pretoria, 1950. 29 p. 286.9 So83Ve
- 55059 U. S. EXTENSION SERV. Educational work in grain grading in 1950, by W. B. Combs. Chicago, 1951. 5 p. 1.913 A3Ed8
- 55060 U. S. PRODUCTION AND MARKETING ADMIN. Feed production per acre of corn, oats, and barley; oats and barley feed, equivalent compared to corn. Washington, 1951. 1 p. 1.956 G76F324
- 55061 U. S. PRODUCTION AND MARKETING ADMIN. Wheat: supply and requirements, prewar and during World War II. Washington, 1951? 1 p. 1.956 G76W568
- 55062 WARD, H. Drying. III. Milling 116:440. May 5, 1951. 298.8 M622
- Wheat.

HONEY AND BEESWAX

- 55063 CARR, E. G. Beeswax conservation. *Gleanings Bee Cult.* 79:269. May 1951. 424.8 G47
- 55064 DEMADE, P. Le miel thérapeutique dans les maladies de l'estomac et de l'intestin. *Cour. Apic. Franç.* 3:86-88. Nov./Dec.1950. 424.8 C832
- 55065 IOIRISH, N. P. On medicinal properties of honey. (In Russian.) *Pchelovodstvo* 27:627-629. Nov. 1950. 424.8 P295
- 55066 MENTZER, J. Der honighandel und wir. *Südwestdeut. Imker* 3:62. Mar.1951. 424.8 Su25
- 55067 MILLER, F. K. On medicinal properties of honey. (In Russian.) *Pchelovodstvo* 27:563-564. Oct. 1950. 424.8 P295
- 55068 ROOT, H. H. Beeswax; its properties, testing, production and applications. Brooklyn, Chemical Pub., 1951. 154 p. 424 R673

LIVESTOCK AND LIVESTOCK PRODUCTS

- 55069 AMERICAN MEAT INSTITUTE FOUNDATION, CHICAGO. Research, the new frontier. Chicago, 1950. 20 p. 50 Am34
- 55070 ANDRADE, R. DE. Livestock in the national economy. (In Portuguese.) *Com. Portug.* 39/40:65-68. June 1950. 286.8 C7332
- Portugal.
- 55071 BRUCHARD, DE. Importance économique de l'élevage en France. *Acad. d'Agr. de France. Compt. Rend.* 36:732-745. Dec.13/20,1950. 14 P215Bc
- Includes discussion by M. Piettre and others.
- 55072 CAMP, B. The other side of the fence. *Nebr. Agr.* 21(3):7. Mar.1951. 275.293 Nebraska
- The meat industry.
- 55073 DOWELL, J. M. Trends in pork production. *Amer. Soc. Farm Mgr. & Rur. Appraisers J.* 15:57-58. Apr.1951. 281.8 Am32
- 55074 ELSHOFF, A. H. A pastor's diary of a 15,000 mile journey in the interest of Heifers for Relief. *Town & Country Church* 71:5-6. May 1951. 281.28 T66
- Heifers sent to Germany.
- 55075 FRENCH, H. W. Cattle stage comeback despite control rumors. *Amer. Cattle Prod.* 32(11):14,16, 27. Apr.1951. 49 P94
- Beef cattle.
- 55076 FRENCH, M. H. East African hides and skins industry. *Leather Trades' Rev.* 100:19-21. (Cont.) Apr.4,1951. 303.8 L48
- 55077 GREATREX, W. E. Meat situation deplorable. *Meat Trades' J.* 142:204-205,211. Apr.26,1951. 50.8 M46
- Great Britain.
- 55078 GREVE S., G. Balance técnico de un año ganadero. *Agr. Austral* 19:43-46. Feb.1951. 9.3 Ag842
- Chile.
- 55079 HALL, R. Testifies on tariff. *Amer. Cattle Prod.* 32(11):16,18. Apr.1951. 49 P94
- Statement before the Senate Finance Committee on the cattle industry.
- 55080 HIGGS, C. There's an answer to the Argentine; to increase home meat production every calf worth rearing must be reared. *Dairy Farmer* 24(5):15. May 1951. 44.8 D1414
- Great Britain.
- 55081 HOFFMANN, E. Die erzeugung von tierischem eiweiss in Deutschland. *Kühn-Arch.* 63:102-128. Ref. 1950. 105.8 H15Ku

- 55082 HOPPER, W. C. Livestock production important to southeastern United States. Foreign Trade 9:674-677. Apr.28,1951. 286.8 C162
- 55083 KRAYBILL, H. R. New developments in meat products. (Abs.) Food Technol. 5(5,sup.):31. May 1951. 389.8 F7398
- 55084 MAGONE, J. Scientific session on problems of public livestock development [in Latvian SSR]. (In Latvian.) Latv. PSR Zinatņu Akad. Vēst. 1:146-150. 1950. 511 R442
- 55085 MARSDON, L. L. Porker-pig production. Massey Agr. Col. Dairyfarming Annu. 3:109-114. Nov. 1950. 44.9 M382
New Zealand.
- 55086 MAZUECOS, L. VII exposición y subasta de pieles Astrakán. Ganadería [Madrid] 8:685. Nov.1950. 49 G15
- 55087 MEDICI, R. F. Sheep in the Agro Romano. (In Italian.) Agr. Ital. 2:133-135. Mar.1,1951. 16 Ag822
- 55088 METZGER, T. The heifer project. Town & Country Church 71:7. May 1951. 281.28 T66
Relief project for eighteen foreign countries.
- 55089 MILLER, R. C. Where'll we get the rams? Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(4):128-129. Apr. 1951. 6 P945K
- 55090 MONTES, I. La riqueza ganadera de Cádiz y las cooperativas de criadores de ganado. Cooperación [Madrid] 109:24-25. Mar.1951. 280.28 C7875
- 55091 NIKLAS, W. Wesen, inhalt und bedeutung des vieh- und fleischgesetzes. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:49-51. Mar.1951. 41.8 B45
- 55092 NORTHERN TERRITORY, AUSTRALIA. ADMINISTRATOR. ANIMAL INDUSTRY DIV. The livestock industries of the Northern Territory. Alice Springs? 1950? 3 p. 40 N813
Some observations by Max Henry, Esq.
- 55093 POLLOCK, R. C. Livestock and meat production for defense. Ariz. Cattlelog 6(7):54-62. Mar.1951. 43.8 Ar42
- 55094 ROUY, H. Production et commercialisation de la viande aux États-Unis. Voix de l'Élevage (ser.3)6:4,6. Christmas,1950. 44.8 Ac8
- 55095 SCALES, H. M. Pioneering days in Australia. Wool Knowl. 2:8-14. Spring 1951. 304.8 W886
Includes the sheep industry.
- 55096 SCHLOSSAR, G. Rabbit on the bill of fare. Amer. Rabbit J. 21:56. Apr.1951. 40.28 Am3
- 55097 SEZEMOV, M. Development of livestock production on the leading collective farms in Voronezh Region. (In Russian.) Sotsialist. Sel'sk. Khoz. 21(12):58-60. Dec.12,1950. 281.8 So73
- 55098 SOUCHON, P. Travail, intelligence, persévérance, ont donné à l'élevage du Nord, sa haute qualité. Libération Paysanne 8(298):6. Feb.1,1951. 14 L61
Livestock industry in France.
- 55099 VERSCHUYL, H. Sheep and stock raising in the Netherlands. (In Dutch.) Landbode 5(16):1. Apr.21, 1951. 12 L234
- 55100 VOORHIES, E. C. Shifts in livestock slaughter; Western livestock producers face an increased demand for slaughter livestock as population growth and greater meat consumption develop at a rapid rate. West. Livestock J. 29(27):52,80-82. Apr.15,1951. 6 F2278
- 55101 WATT, D. B., and FLOWER, A. E. The role of the meat laboratory in sheep investigations. Mont. Wool Grower 25(4):14-15. Apr.1951. 45.8 M762
- 55102 WEEMS, A. G. Scott County, Mississippi; its livestock value has increased from \$767,400 to \$2½ million since 1935. Livestock Wk. 5(21):8-9,36-39. Mar.29,1951. 49 L753
- 55103 WILLSON, F. S. Montana beef cattle production in the changing 50s. Mont. Farmer-Stockman 38(12):6,18. Feb.15,1951. 6 M764
- 55104 WINTERS, L. M. Trends in pork production. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:53-56. Apr.1951. 281.8 Am32
- 55105 WIRTH, Die aussichten in der schweinehaltung. Württemb. Wchnbl. f. Landwirt. 118:297-298. Apr.14, 1951. 18 W96
- Analysis and Composition
- 55106 DAHL, S., and OEHLER, R. The determination of nitrogen in leather by the Kjeldahl method. Amer. Leather Chem. Assoc. J. 46:317-335. Ref. May 1951. 303.9 Am32
- 55107 KRAFT, A. A., and AYRES, J. C. Bacteriological aspects of pre-packaged meats. (Abs.) Food Technol. 5(5,sup.):16. May 1951. 389.8 F7398
- 55108 ROSE, C. D., and TURNER, J. N. Mould growth on leather as affected by humidity changes. Soc. Leather Trades' Chem. J. 35:37-42. Feb.1951. 303.9 So12
- 55109 WOLLENBERG, H. G. The assessment of the plumping pressure in pelt. Soc. Leather Trades' Chem. J. 35:42-54. Feb.1951. 303.9 So12
- Consumption and Utilization
- 55110 BAKER, F. M. Hide, hair and horns; the value of by-products in beef cattle production. Canad. Cattleman 14(3):28-29,36. Mar.1951. 49 C16
- 55111 DU PLESSIS, C. VAN H. Man should forget how to eat mutton; increase use of beef and pork. (In Afrikaans.) Landbouweekblad 32(1653):13,33. Mar.21,1951. 24 L232
Union of South Africa.
- 55112 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Utilization of farm crops: meat products. Hearings, 81st Cong., 2d sess. pursuant to S. Res. 36 and S. Res. 198, a resolution authorizing an investigation relative to expanded uses of farm crops and price spreads, pt. 5, Sept. 7, 8, 14, and Nov. 30, 1950. Washington,1951. p.2329-2567. 280.3 Un37U
- Distribution, Marketing, and Transportation
- 55113 CLAVADETSCHER, C. Zur lage auf dem schweinemarkt. Grüne 79:158-160. Feb.9,1951. 17 Sch9
Switzerland.
- 55114 DOWELL, A. A. Marketing hogs in Denmark. Minn. Farm & Home Sci. [Minn. Sta.] 8(2):3,11. Feb.1951. 100 M668
- 55115 FERRARI BILLOCH, F. Posición de los ganaderos ante el abastecimiento del mercado nacional; el procurador en Cortes Señor García Guerrero enjuicia aspectos del problema de la carne. Ganadería [Madrid] 8:715-716. Dec.1950. 49 G15
- 55116 FRENCH, H. W. Market uncertain under threat of price ceilings. Amer. Cattle Prod. 32(12):12,14, 22-23. May 1951. 49 P94
- 55117 HUSTON, C. R. Merchandising our breed. Guernsey Breeders' J. [Peterborough] 82:16-17,31-32. May 2,1951. 43.8 G93
- 55118 MONTES, I. Posibilidades de cooperación ganadera en el Marruecos Español. Cooperación [Madrid] 107/108:32-33. Jan./Feb.1951. 280.28 C7875
- 55119 OERTZEN, H. U. VON. Der bayerische Zentral-Hengstmarkt in München. Tierzüchter 3:36-37. Jan.20,1951. 49 T445
- 55120 OTTE, E. A. We can build a better market for mink. Amer. Fur Breeder 24(5):8,26-27. May 1951. 410 Am33
Advertising.
- 55121 PLATE, R. Vorausschau auf den schweinemarkt im winter 1950/51. Braunschweig, Institut für Landwirtschaftliche Marktforschung, 1950. 8 p. 280.346 P69
- 55122 RANDELL, C. G. Marketing problems arise as South swings toward live stock. Natl. Live Stock Prod. 29(7):6,23. Apr.1951. 280.38 N21
- 55123 RICKETTS, V. L. Selling dogs at the kennel. All-Pets Mag. 22(4):39-40,42,44-45. Apr.1951. 48.8 AL5
- 55124 SELENIA SANCHEZ, C. Que clase de carne comprare? Lucha 2(21/22):9. Mar./Apr.1951. 280.28 L96
- 55125 SPURLOCK, G. M. Shipping sheep. Calif. Wool Grower 27(18):5-8,10-11. May 1,1951. 45.8 C12
- 55126 WALRATH, A. J. Marketing cattle in New Mexico. N. Mex. Agr. Expt. Sta. B. 360,29 p. Feb.1951. 100 N465
- 55127 WRIGLEY, J. Seasonal variations in cattle marketing. Scot. Agr. 30:228-233. Spring 1951. 10 Sco82So
- Grading, Inspection, Standardization, and Quality
- 55128 DOWNEY, L. A. Bacon-pig carcass competition. Victoria. Dept. Agr. J. 49:73-74. Feb.1951. 23 V66J
- 55129 MCCOLLOCH, C. L. U.S.D.A. uses new terms for cattle grades. Coastal Cattleman 17:27,36. Mar.1951. 43.8 C63
- 55130 SCHOLTZ, K. Closer selection and classification in Karakul farming. (In Afrikaans.) Landbouweekblad 32(1656):16,27. Apr.11,1951. 24 L232
Includes prices of hides.
- 55131 VEENSTRA, R. H. Remarks on the collected "Lectures on meat inspection law" by Prof. C. F. van Oyen. (In Dutch.) Tijdschr. v. Diergeneesk. 76:306-312. Apr.15,1951. 41.8 T431

Packing and Packaging

- 55132 **ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY.** Meat packaging and processing. New York, 1951. 72 p. (Productivity Team Rpt.) 50 An4
- 55133 **FLEMMING, H. W.** Packmaterialien für kühlfleisch und kühlisch. *Kälte* 3:253-254. Dec.1950. 295.8 K122

Prices, Price Control, and Rationing

- 55134 **AMERICAN NATIONAL LIVE STOCK ASSOCIATION.** Just between you'n me! A personal message to you from the American cattleman. Denver, 1950? 12 p. 284.343 Am34
- Beef cattle prices.
- 55135 **FRENCH, M. H.** The value of hides and skins. *East African Agr. J.* 16:151-153. Jan.1951. 24 Ea74
- 55136 **HAGEDOORN, A. L.** Inflated prices for pedigree calves; Dutch preferential bull system strongly criticised. *Rhodesian Farmer* 4(17):9. Ref. Jan.17,1951. 24 R 347
- 55137 **MARTINSSON, P.** Higher price for mated mink. (In Swedish.) *Våra Palsdjur* 22:80-81. Mar.15, 1951. 410 V42
- Sweden.
- 55138 **LA VIANDE** relativement moins chère qu'en 1948 coûte davantage à produire. *Agr. Prat.* 115:181-182. Apr.1951. 14 J82
- France.

Processing and Storage

- 55139 **AMERICAN MEAT INSTITUTE, CHICAGO. COMMITTEE ON RECORDING.** Beef, veal and lamb operations. Ed. 4, rev. Chicago, Inst. Meat Packing, U. Chicago, 1950. 424 p. 50 Am33
- 55140 **BREWSTER, J. A.** Economic aspects of refrigeration in the meat trade. *Mod. Refrig.* 54:41-42. Feb.1951. 295.8 M72
- 55141 **BRIGGS, P. S.** The kinetics of chrome tanning. IV. *Soc. Leather Trades' Chem. J.* 35:57-67. Feb.1951. 303.9 So12
- 55142 **BROWN, C.** The world's largest stockyards. *Land Worker* 32(382):4. Mar.1951. 283.8 L22
- Chicago.
- 55143 **CARLSON, J. L., and others.** Increased returns from by-products in meat packing operations. (Abs.) *Food Technol.* 5(5,sup.):15. May 1951. 389.8 F7398
- C. E. Gross, K. A. Hirlinger, J. B. Lynch, R. W. Ransom, and P. L. Twedt, joint authors.
- 55144 **CHEN, P. S.** Syntans and newer tanning methods. *Leather Mfr.* 62(5):11-12. (Cont.) May 1951. 303.8 L484
- 55145 **DEVLIN, S.** Special study of Armour and Company. *Mag. Wall St.* 88:197-199,221-222. May 19,1951. 286.8 M27
- 55146 **GILLESPIE, J. M., PRESSLEY, T. A., and MAXWELL, M. E.** Fellmongering investigations. XIV-XVI. *Austral. J. Appl. Sci.* 1:480-513. Ref. Dec.1950. 475 Au74
- XIV, Comparison of wool obtained by sweating and painting methods, by J. M. Gillespie; XV, The recovery of wool from skin pieces by water digestion methods, by T. A. Pressley; XVI, A survey of the bacterial flora of sheepskins, by M. E. Maxwell.
- 55147 **HELLBUSCH, C. E.** Mexico goes modern; Chihuahua cattlemen solve big marketing problem with a new 5-acre packing plant. *West. Livestock J.* 29(27):43, 58-69. Apr.15,1951. 6 F2278
- 55148 **HINER, R. L.** Effects of freezing on tenderness of beef from different muscles and from animals of different ages. (Abs.) *Food Technol.* 5(5,sup.):30. May 1951. 389.8 F7398
- 55149 **KLENOW, N.** Investigation on the chamols tanning process. *Soc. Leather Trades' Chem. J.* 35:67-71. Feb.1951. 303.9 So12
- 55150 **LANG, O.** Unbefriedigende kühlverhältnisse in fleischkühlräumen. *Kälte* 4:6-9. Jan.1951. 295.8 K122
- 55151 **NATIONAL INDEPENDENT MEAT PACKERS ASSOCIATION.** Convention report. *Meat* 34(6):26-54,104, 110-112,114. May 1951. 286.85 M464
- 55152 **PIRACHA, F. D.** Development of the Pakistan industry; a great opportunity to increase production of kip tanning. *Leather Trades' Rev.* 99:641-642. Mar.28, 1951. 303.8 L48
- 55153 **RAJA, S.** Leather and tanning in other countries. *Tanner* 5(7):13-16. (Cont.) Dec.1950. 303.8 T15

- 55154 **RIEDER, R. M., and others.** Canaigre investigations. *Amer. Leather Chem. Assoc. J.* 46:264-274. Apr.1951. 303.9 Am32
- V. A. Turkot, R. K. Eskew, and G. W. M. Phillips, joint authors.
- 55155 **RUPP, V. R.** The quick curing of bacon. (Abs.) *Food Technol.* 5(5,sup.):15. May 1951. 389.8 F7398
- 55156 **SCHUBERT, A.** Tanning in 2000 A. D.—a forecast. *Leather Mfr.* 62(5):13-15. May 1951. 303.8 L484
- 55157 **STUMPF, J. H.** Calcium formate in chrome tanning. *Leather & Shoes* 121(16):10,37. Apr.21,1951. 303.8 H53
- Also in *Leather Mfr.* 62(5):9-10. May 1951. 303.8 L484
- 55158 **TERRA, M. G.** Tupancireta packing plant. (In Portuguese.) *Fed. das Assoc. Rur. do R. G. do Sul. B.* 11(94):5-8. Jan.1951. 9.2 F31
- 55159 **WATTS, B. M.** The effect of ascorbate on hemoglobin oxidation and meat color. (Abs.) *Food Technol.* 5(5,sup.):15-16. May 1951. 389.8 F7398
- 55160 **WYMER, N.** The art of the fell-monger. *Country Life [London]* 109:856-857. Mar.23,1951. 80 C83

Statistics

- 55161 **KELLOGG, C. E.** Domestic rabbits. *Calif. Rabbit News* 12:3. Apr.1951. 40.28 C12
- Statistics on meat and skin production in the United States.
- 55162 **STEINLECHNER, H.** Der stand der österreichischen tierzucht. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949:210-216. 1950. 19 Au72J
- Statistical.

OILS AND OILSEEDS

- 55163 **ANDERSEN, A. J. C.** Bacteriology in the margarine industry. *Dairy Indus.* 16:341-346,351. Apr.1951. 44.8 D1427
- 55164 **ANDRE, E., and CARBOUÈRES, M.** Action de la chaleur sèche et de la chaleur humide sur le résidu de pression des graines de lin. France. *Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron.* 1:768-774. Nov./Dec.1950. 14 F8499
- 55165 **ARESPACOCCHAGA, J. DE.** El aceite de oliva, moneda mediterranea. Madrid, Sindicato Vertical del Olivo, 1950. 73 p. 307 Ar33
- 55166 **ASTORGA, M.** La industrialización del girasol. *Hacienda* 46(4):40-41,82. Apr.1951. 6 H11
- 55167 **BARBANCHO, A.** El consumo de grasas en el mundo. In *Sindicato Vertical del Olivo. El consumo y los movimientos comerciales de grasas en el mundo*, p.147-215. Madrid, 1950. 307 Si6
- 55168 **BARRACANO, C.** Official classification of olive oil and the interests of the olive procuring industry. (In Italian.) *Cam. di Com. Indus. e Agr. Bari. B. (n.s.)* 35(2/3):4-5. Feb./Mar.1951. 287 B232
- 55169 **BAYER, G.** Ertragssteigerung durch anbau der sojabohne, ein beitrag zur erfüllung des Fünfjahrplans. *Deut. Landwirt.* 2:121-126. Mar.1951. 18 D4822
- Russian Zone of Germany.
- 55170 **BHARGAVA, K. P.** Estimation of alkaloids in argemone oil. *Indian Chem. Soc. J. Indus. & News Ed.* 13:179. 1950. 385 In27A
- 55171 **BRAZIL. INSTITUTO DE ÓLEOS.** Atividades do I. O., janeiro 1949—junho 1950 [Activities of the I. O., January 1949—June 1950]. *Brazil. Inst. de Óleos. B.* 7, 524 p. 1950. 307.9 B73
- 55172 **BRAZIL. INSTITUTO DE ÓLEOS.** Planejamento oleifero brasileiro [Brazilian oil plant policy]. *Brazil. Inst. de Óleos. B.* 8,227 p. 1951. 307.9 B73
- 55173 **BRAZILIAN** oilseed production substantially below last year. *Oils & Oilseeds J.* 3(8):19-23. Feb.1951. 307.8 Oi54
- 55174 **BREAKWELL, E. J.** Australian search for vegetable oils. *Austral. Milk & Dairy Prod. J.* 18:8. Jan.1951. 44.8 Au72
- 55175 **BRITISH STANDARDS INSTITUTION.** British standard methods of analysis of oils and fats; B. S. 684: 1950. London, Waterlow & Sons, 1950. 91 p. 290.9 B77
- 55176 **BURGOYNE, J. H.** Spontaneous heating and ignition in stored palm kernels. VI. *J. Sci. Food & Agr.* 2:157-160. Apr.1951. 382 So12
- 55177 **CABRITA, H.** Factories of oils and oilseeds in Mozambique. (In Portuguese.) Portugal. Agência Geral das Colón. B. Geral das Colón. 26(309):57-61. Mar.1951. 264 Ag3
- English summary, p. 207.

55178 DHINGRA, D. R., and others. Otto of Pandanus odoratissimus L. or kewda; results of preliminary experiments. *Perfumery & Essential Oil Rec.* 42:114-115, 117. Apr.1951. 308.8 P41

G. N. Gupta, J. C. Jain, and U. N. Shuckla, joint authors. 55179 EVANS, J. W. Soybeans tomorrow. *Soybean Digest* 11(6):22,24. Apr.1951. 60.38 So9

55180 FESNEAU, M. Essence concrète des fleurs de néflier du Japon (*Eriobotrya japonica*). *Indus. de la Parfumerie* 6:91. Mar.1951. 308.8 In2

55181 GOLDMAN, M. L., and RAYMAN, M. M. Hydrolytic action of *Pseudomonas fluorescens* on fats. (Abs.) *Food Technol.* 5(5,sup.):20. May1951. 389.8 F7398

55182 GRACE, N. H., and ZUCKERMAN, A. Canadian erucic acid oils. VI. Blowing of rapeseed, mustard seed, and weed seed oils. *Canad. J. Technol.* 29:71-83. Feb. 1951. 470 C16F

55183 HERRING, M. E. Colbeth announces domestic castor bean agronomy program. *Amer. Paint J.* 35(34): 28-29,32. May 14,1951. 306.8 Am32

55184 HILDITCH, T. P., MEARA, M. L., and PATEL, C. B. The component acids and glycerides of *Pentaclethra* (*Leguminosae*) and *Lophira* (*Ochnaceae*) seed fats. *J. Sci. Food & Agr.* 2:142-148. Ref. Mar.1951. 382 So12

55185 JACOBS, M. B. Preparation of terpeneless oils. (Abs.) *Food Technol.* 5(5,sup.):23. May 1951. 389.8 F7398

55186 JASSPON, W. H. Looking ahead. *Cotton Gin & Oil Mill Press* 52(9):16-17,38-40. Apr.28,1951. 304.8 C822

Cottonseed crushing industry.

55187 JONES, A. C. The East African groundnuts scheme and its lessons. *African World* 1951:9-10. Mar. 1951. 286.8 Af8

55188 JORDAN, G. L. What determines soybean prices. III. *Agr. Expt. Sta. B.* 546:171-195. Mar.1951. 100 IL6S

55189 KAPPELLER, K. Schutz vor ranzigwerden der fette durch antioxydantien. *Zucker- u. Süßwaren-Wirt.* 3(22):41-43. Nov.20,1950. 286.86 Z3

55190 KELLER, J. C. Cleaned and shelled peanut prices lower than a year ago. *Peanut J. & Nut World* 30(6):31,56. Apr.1951. 77.8 P313

55191 KRONE, R. Storage of essential oils. *Internatl. Confectioner* 61(4):30. Apr.1951. 389.8 In214

55192 KÜBLER, W. Herstellung von lavendelblütenöl. *Leben u. Umwelt* 7:140-141. Mar.1951. 410 L49

55193 LOPEZ-PALAO, R. El movimiento de las grasas comestibles en el mercado mundial. In *Sindicato Vertical del Olivo. El consumo y los movimientos comerciales de grasas en el mundo*, p.9-146. Madrid, 1950. 307 S16

55194 MARTINENGHI, G. B. Experiments on the solubility of castor-oil in petrol. (In Italian.) *Olearia* 5(1/2):5-10. Jan./Feb.1951. 307.8 OL2

English summary.

55195 MOORE, A. S. Le lin fut-il jadis un comestible. *Fleur Bleue* 14:153-157. Apr.1951. 304.8 F63

55196 MURRAY, T. K., and others. A study of Canadian margarine with particular reference to its vitamin A content. *Canad. J. Technol.* 29:147-151. Mar.1951. 470 C16F

J. H. Mahon, A. Wright, R. A. Chapman, and J. A. Campbell, joint authors.

55197 NAVES, Y. R. The composition of essential oil of *Pelargonium tomentosum* Jacquin. *Perfumery & Essential Oil Rec.* 42:113,121. Apr.1951. 308.8 P41

55198 PELLETT, K. Processing plant in the country. *Soybean Digest* 11(6):17-18. Apr.1951. 60.38 So9

55199 PIGULEVSKII, G. V., and KOVALEVA, V. I. Chemical composition of *Heracleum montgazzianum* Som. et Lev essential oil. (In Russian.) *Zhur. Prikl. Khim.* 23:1320-1325. Dec.1950. 385 Z64

55200 PUNTAMBEKAR, S. V., and RAO, P. R. Colouration of hydrogenated fats with chlorophyll to prevent adulteration of ghee. *Cur. Sci.* 20:68. Mar.1951. 475 Sci23

55201 RAMAKRISHNAN, C. V., and BANERJEE, B. N. Studies on enzyme lipase; comparative study of lipases from oil seed cakes. *Indian Chem. Soc. J.* 27:655-666. Dec.1950. 385 In27

55202 RAWLINGS, W. V. New peanut law about ready; House and Senate concepts close. *Peanut J. & Nut World* 30(6):27-28,57. Apr.1951. 77.8 P313

55203 ROWAAN, P. A. Essential oils. (In Dutch.) In *Hall, C. J. J. van, and Koppel, C. van de, eds. De landbouw in de Indische Archipel*, III, p.521-641. Ref. 's-Gravenhage, 1950. 37 H14L

55204 RUYS, A. H. Terpene and sesquiterpeneless oils; results of the two-solvent process. *Perfumery & Essential Oil Rec.* 42:118-121. Apr.1951. 308.8 P41

55205 SAAR, J. Der anbau von öl- und fettpflanzen in Österreich. *Austria. Bundesmin. f. Land- u. Forstwirtschaft. u. Adressb.* 1949:198-202. 1950. 19 Au72J

55206 SABOOR, M. A. Separation of argemone seeds from mustard seeds. *Indian Chem. Soc. J. Indus. & News Ed.* 13:179-180. 1950. 385 In27A

55207 SALETORRE, S. A., and HARKARE, N. H. Studies in the autoxidative rancidity of edible oils. I. *Indian Chem. Soc. J. Indus. & News Ed.* 13:129-137. Ref. 1950. 385 In27A

55208 SINDICATO VERTICAL DEL OLIVO. El consumo y los movimientos comerciales de grasas en el mundo. Madrid, 1950. 207 p. 307 S16

55209 SKIPIN, A. I. Kompleksnafa ochistka podsolnechnogo masla [Complex refining of sunflower seed oil]. *Moskva, Pishchepromizdat*, 1950. 35 p. 307 Sk3

55210 THIAGARAJAN, V., and SRIKANTAN, B. S. Lubricating properties of vegetable oils. I. A comparative study of domba [*Calophyllum inophyllum*] oil, hongay [*Pongamia glabra*] oil and mohua [*Bassia longifolia*] oil. *Indian Chem. Soc. J. Indus. & News Ed.* 13:163-166. 1950. 385 In27A

55211 VASSEUR, and ROHR. Contribution a l'étude de l'huile d'olive marocaine. *Terre Marocaine Spec. No.* 1951:31-50. 24 T44

55212 VAUTIER, G. Les essences de lavande. *Indus. de la Parfumerie* 6:92-96,131-135. Mar.-Apr.1951. 308.8 In2

55213 VOLKOVA, T. V. A. M. Butlerov's doctor dissertation "On essential oils." (In Russian.) *Zhur. Prikl. Khim.* 24:3-10. Jan.1951. 385 Z64

55214 WORMS, P. La contribution de l'I.R.H.O. [Institut de Recherches pour les Huiles et Oléagineux] au développement économique de la Côte d'Ivoire. *Marchés Colon.* 7:1203-1205. Apr.28,1951. 286.8 M33

POULTRY AND POULTRY PRODUCTS

55215 ALP, H. H. Who's to blame. *Hoard's Dairyman* 96:408. May 10,1951. 44.8 H65

Discussion of price ceilings on poultry and eggs.

55216 BEYERS, H. These changing times—demand for oven-ready turkeys may cause some problems. *Norbest Turkey News* 15(10):1,6-7. Apr.1951. 47.38 N75

Processing plants.

55217 BLACKWELL, H. L. The trend of progress. *Poultry Indus. [Milford]* 16:156-157. Mar.22,1951. 47.8 P8644

British poultry industry.

55218 BOULET, M., and PEARCE, J. A. Dried whole egg powder. XXIX. The effect of high moisture content on fluorescence and other chemical changes. *Canad. J. Technol.* 29:153-158. Ref. Apr.1951. 470 C16F

55219 BRADSHAW, L. O. Poultry production in Mississippi. *Farm Electr.* 5(2):3-4. Mar./Apr.1951. 335.8 F224

55220 CARLIN, A. F., and AYRES, J. C. Storage studies on yeast-fermented dried egg white. *Food Technol.* 5:172-175. May 1951. 389.8 F7398

55221 CARTANYA Y ALEU, P. La máquina clasificadora de huevos. *Reus, Avic.* 23:4. Mar.1951. 47.8 R31

55222 DALRYMPLE, A. J. Egg shortage looms for B. C. this summer. *Farm & Ranch Rev.* 47(3):16-17. Mar.1951. 7 F223

55223 DAVEY, A. D. Poultry meat consumption. *Canad. Poultry Rev.* 75(5):24-25. May 1951. 47.8 C16

55224 DAVEY, A. D. The prospective 1951 egg supply in relation to estimated demand. *Canad. Poultry Rev.* 75(5):7-8. May 1951. 47.8 C16

55225 DAVISON, J. M. So you wish to go into the chicken business. *Nulaid News* 28(9):14. Feb.1951. 47.8 N917

55226 DEARSTYNE, R. S. How to guard egg quality. *Carolina Co-op.* 29(5):13,20,29. May 1951. 72.8 N81

55227 ESTEBAN, M. Ventas cooperativas. *Cooperación [Madrid]* 107/108:40-41. Jan./Feb.1951. 280.28 C7875

Eggs.

55228 THE FUTURE looks bright! *Turkey World* 26(3):20-21,96-101. Mar.1951. 47.38 T84

55229 GALER, F. R. A quarter century in review. *Turkey World* 26(3):22-23,78,80-86. Mar.1951. 47.38 T84

The turkey industry.

- 55230 GILLESPIE, J. M., SCOTT, W. J., and SALTON, M. R. J. Studies in the preservation of shell eggs. IV-V. Austral. J. Appl. Sci. 1:514-538. Ref. Dec.1950. 475 Au74
- IV, Experiments on the mode of infection by bacteria, by J. M. Gillespie and W. J. Scott; V, The use of chemical disinfectants in cleaning machines, by J. M. Gillespie, M. R. J. Salton, and W. J. Scott.
- 55231 HALL, M. D. Modern poultry dressing. Victoria. Dept. Agr. J. 49:74-75. Feb.1951. 23 V66J
- 55232 HANKE, O. A. Turkey World is 25 years old. Turkey World 26(3):12-13,109-113. Mar.1951. 47.38 T84
- On the development of the industry.
- 55233 HEISE, A. St. Niddas und die Ostereier. Deut. Wirtgeflügelzucht. 3:244. Feb.24,1951. 47.8 D483
- 55234 JACKSON, M. E. Egg quality program needed. Kans. Poultry News 7(4):3-4. Apr.1951. 47.8 K13
- 55235 KARPOFF, E. Poultry farmers should do all right in 1951. East. States Coop. 27(2):9-11. Feb.1951. 280.28 Ea7
- Egg outlook and prices.
- 55236 KIRK, J. K. Protecting the consumer is our job. (Condensed.) U. S. Egg & Poultry Mag. 57(5):14-15, 24-26. May 1951. 286.85 Eg3
- Sanitation in dressing and marketing.
- 55237 KLINE, L., GEGG, J. E., and SONODA, T. T. Role of glucose in the storage deterioration of whole egg powder. II. Food Technol. 5:181-187. Ref. May 1951. 389.8 F7398
- 55238 LINEWEAVER, H., ANDERSON, J. H., and HANSON, H. L. Prevention of rancidity development in frozen creamed turkey. (Abs.) Food Technol. 5(5,sup.): 16. May 1951. 389.8 F7398
- 55239 LIPPMANN, K. Preispolitik und kaufkraft. Deut. Wirtgeflügelzucht. 3:222. Feb.10,1951. 47.8 D483
- Eggs.
- 55240 LOGAN, P. P., HARP, C. H., and DOVE, W. F. Keeping quality of precooked frozen chicken à la king, a bacteriological evaluation of hot and cold packs. Food Technol. 5:193-198. May 1951. 389.8 F7398
- 55241 MCCLASKEY, G. D. The Winfield Plan is giving Kansas processors quality eggs they can merchandise. U. S. Egg & Poultry Mag. 57(5):12,23. May 1951. 286.85 Eg3
- Movement of eggs from producer to consumer on an official grading system.
- 55242 MORTENSON, W. P. Can we reduce the cost of marketing eggs? Amer. Poultry J. 82(4):18,45. Apr.1951. 47.8 Am32
- 55243 MURPHY, J. E. Should I be a poultryman. Ala. Farmer 30(6):4,14. Mar.1951. 276.8 AL1
- 55244 PALMER, J. A. We found new markets for fryers at home. (Condensed.) U. S. Egg & Poultry Mag. 57(5):9,19. May 1951. 286.85 Eg3
- 55245 PETERSON, G. A. Dry cases and rooms steal eggs' moisture. Eggsaminer 28(4):2. Apr.1951. 286.85 Eg32
- 55246 PIERCE, H. C. How do you prefer them? The old or the new way? Turkey World 26(3):26,91-93. Mar. 1951. 47.38 T84
- Turkey marketing.
- 55247 POULTRY PRODUCERS OF CENTRAL CALIFORNIA. 1950 annual report. Nulaid News 28(11):10-13, 47-53. Apr.1951. 47.8 N917
- By John Lawler, general manager.
- 55248 POULTRY PRODUCERS OF CENTRAL CALIFORNIA. Packing plant grades. Nulaid News 28(11):32-33. Apr.1951. 47.8 N917
- Eggs.
- 55249 SCHIFFERER. Das deutsche güte-entenei. Deut. Wirtgeflügelzucht. 3:269. Mar.10,1951. 47.8 D483
- Grading and standardization.
- 55250 SMALL, M. C. Even the organizations have changed in 25 years. Turkey World 26(3):18-19,104-106. Mar.1951. 47.38 T84
- 55251 SNEEK, Y. A. VAN P. TE. The future of the poultry industry in the Netherlands. IX-X. (In Dutch.) Pels en Pluim 6(4):3. Feb.23-Mar.9,1951. 47.8 P36
- 55252 U. S. PRODUCTION AND MARKETING ADMIN. Regional marketing problems of the hatching egg industry in the Northeast. Washington, 1951. 15 p. 1.956 P86R28
- 55253 U. S. PRODUCTION AND MARKETING ADMIN. Statement concerning Army purchases of dried eggs. Washington, 1951. 1 p. 1.956 A2St28
- 55254 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington chick hatcheries. Wash. State Col. Ext. Mimeog. 984,5 p. Apr.1951. 275.29 W27M1

- 55255 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington turkey hatcheries. Wash. State Col. Ext. Mimeog. 985,2 p. Apr.1951. 275.29 W27M1
- 55256 WHITE, M. E. Clean eggs. New Zeal. J. Agr. 82:35,37. Jan.15,1951. 23 N48J
- Care and handling for quality eggs.
- 55257 WINGARD, S. B. Huevos descompuestos. Agr. Austral 19:70-71. Feb.1951. 9.3 Ag842
- 55258 WOODRUFF, S. City and state egg marketing regulations. Amer. Poultry J. 82(4):52-53. Apr.1951. 47.8 Am32

RUBBER AND RUBBER SUBSTITUTES

- 55259 BALL, J. M. Reclaimed rubber in 1950. India Rubber World 124:63-64. Apr.1951. 305.8 In2
- 55260 BESTUL, A. B., DECKER, G. E., and WHITE, H. S. Comparison of viscosities of rubbers from the McKee worker-consistometer and from the Mooney viscometer. U. S. Natl. Bur. Standards. J. Res. 46:283-287. Ref. Apr.1951. 157.88 J82
- 55261 BUDIG, K. H. Beitrag zum beschleunigernachweis in vulkanisaten. Kautschuk u. Gummi 4:47-49. Feb.1951. 305.8 K162
- 55262 FAZAKERLEY, T. W. The British rubber industry. India-Rubber J. 120:427-428,505-506. Mar.17, 31,1951. 305.8 In21
- 55263 FITZPATRICK, R. M. Rubber: past, present and future. Inst. Rubber Indus. Trans. 27:75-83. Apr. 1951. 305.9 In7
- 55264 FRANCE. INSTITUT FRANÇAIS DU CAOUTCHOUC. PARIS. Réunion du Conseil supérieur en Indochine. 2. Saigon, 1950. 35 p. 78.9 In72
- 55265 HERBETTE, F. Les difficultés actuelles des producteurs et des consommateurs de caoutchouc. Rev. Gén. du Caoutchouc 28:161-162. Mar.1951. 305.8 R32
- English summary, p. 184.
- 55266 HINGELEY, E. F. Kein echter kautschukmangel zu befürchten. Kautschuk u. Gummi 4:7. Jan. 1951. 305.8 K162
- 55267 KOPACZEWSKI, W. Contribution à l'étude de la biosynthèse des latex. Chim. & Indus. 65:485-487. Ref. Apr.1951. 383 C42
- 55268 MESSENGER, T. H., PARRIS, R. W., and PINKNEY, P. E. Latex stability tests: literature review. Res. Assoc. Brit. Rubber Mfr. J. Rubber Res. 20:19-38. Ref. Mar./Apr.1951. 305.9 R31
- 55269 REISS, K. H. Die berechnung von vulkanisationszeiten. Kautschuk u. Gummi 4:87-92. Mar.1951. 305.8 K162
- 55270 RUBINFELD, J. Dutch rubber industry: second thoughts in Indonesia. India-Rubber J. 120:417,419. Mar.17,1951. 305.8 In21
- 55271 RÜGER, C. Wege und ziele der deutschen kautschuk-industrie. Kautschuk u. Gummi 4:4-7. Jan. 1951. 305.8 K162
- 55272 SCHMIDT, H. Die trockene destillation von vulkanisiertem kautschuk. Kautschuk u. Gummi 4:21-23. Jan.1951. 305.8 K162
- 55273 TOURNAIRE, R. Le caoutchouc dans les revêtements routiers. Rev. Gén. du Caoutchouc 28:148-149. Mar.1951. 305.8 R32
- English summary, p. 183.
- 55274 ULMANN, M. Zum problem des natur-kautschuks und der guttapercha. Kautschuk u. Gummi 4:20. Jan.1951. 305.8 K162
- 55275 WHORLOW, R. W. Grading of plantation rubber. India-Rubber J. 120:658,661. Apr.28,1951. 305.8 In21

SEEDS

- 55276 BUSH, H. L. Experimental studies related to seed processing. Amer. Soc. Sugar Beet Technol. Proc. 6:91-96. 1950. 66.9 Am35
- 55277 DAVENPORT, M. G., HALL, R. A., and SORENSON, J. W. Drying and storing flax seed in south Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1352,7 p. Apr.3, 1951. 100 T31P
- 55278 DOTY, E. L. Modern cleaning plants aid seed growers. Crops & Soils 3(7):20-21,33. Apr./May 1951. 6 W55
- 55279 DOXTATOR, C. W. Beet seed processing problems at Rocky Ford, Colorado. Amer. Soc. Sugar Beet Technol. Proc. 6:88-90. 1950. 66.9 Am35
- 55280 FRANCK, W. J. Problems discussed during the 9th International Seed Control Congress in May '50 in Washington. 2. (In Dutch.) Zaadbelangen 5:31-33. Feb.15, 1951. 61.8 Z1

55281 GRANDFIELD, C. O. Kansas alfalfa seed in demand. (Digest.) Feed Bag 27(5):90-91. May 1951. 389.78 F32

55282 HAND, J. A. Big money in grass and legume seeds. Farmer's Mag. 48(3):10,68-69,71. Mar. 1951. 7 C165

Canadian grown seeds.

55283 HÄRING. Saatgutwechsel und saatgutversorgung frühjahr 1951. Württemb. Wchnbl. f. Landwirt. 118: 68-69. Jan. 27, 1951. 18 W96

55284 HEDLIN, R. Seed detectives. Country Guide 70(3):17,44-45. Mar. 1951. 7 G76

Seed inspection and analysis in Canada.

55285 ISELY, D. Seed analysis. Ames, College Book Store, Iowa State College, 1951. 70 p. Ref. 61 Is2

55286 JOHNSON, A. A., and ATWOOD, S. S. New York's program for certified seed of improved field crop varieties. Farm Res. [N. Y. State Sta.] 17(2):8-9. Apr. 1951. 100 N48A

55287 KUBLAN, A. Zur saatgutversorgung 1951. Deut. Landwirt. 2:216-217. Apr. 1951. 18 D4822

Russian Zone.

55288 LINDEN, L. VAN DER. Application of seed treatment. (In Flemish.) Tuinbouwberichten 15:5-6. Jan. 15, 1951. 80 T817

55289 NEW YORK CERTIFIED SEED GROWERS' COOPERATIVE. Better seed—better crops; 1951 directory. Ithaca, 1951. 56 p. 61.9 N48

55290 NIEPELT, R. Wert oder unwert eines saatgutgesetzes. Landwarenkaufmann 13:1. In Ernährungsdienst 6(36). Mar. 31, 1951. 389.8 Er62

Germany.

55291 SCANNELL, J. W. The certified seed potato industry in Canada. Quebec Soc. Protect. Plants. Rpt. 31:104-106. Dec. 31, 1950. 464.9 Q3

55292 SWIERSTRA, J. New chemical preparations for the treatment of seed for sowing. 2. (In Dutch.) Zaadbelangen 5:33-34. Feb. 15, 1951. 61.8 Z1

SUGAR AND SIRUPS

55293 AHLFELD, H. Die erzeugung von nicht-zentrifugalzucker in der welt. F. O. Licht. Internatl. Zuckerber. Ber. 90:13. Feb. 16, 1951. 66.8 L61A

55294 AMERICAN BAKERS ASSOCIATION. Statement on behalf of the major sugar using industries before the Production and Marketing Administration Hearing, Nov. 28, 1950, on sugar requirements, quotas, and quota deficit for the calendar year 1951. n.p., 1950? 10 p. 286.365 Am38

55295 AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS. Proceedings of sixth general meeting, 1950. Ft. Collins, 1950. 728 p. 66.9 Am35

55296 ARMER, A. Development and application of an axial flow trash separator. Amer. Soc. Sugar Beet Technol. Proc. 6:608-614. 1950. 66.9 Am35

55297 BONE CHAR RESEARCH PROJECT. A study of char house operation observed in 1942, by V. R. Beltz and S. E. Cotter. Washington, 1950. 76 p. 281.365 D64

Sugar manufacture.

55298 BOON, E., and others. L'épuration du jus de betteraves obtenu par diffusion à l'aide de SO₂ à basse température. Chim. & Indus. 65:488-495. Apr. 1951. 383 C42

J. J. Brammeller, F. A. Doorman, M. L. A. Verhaart, G. S. van der Vlies, and H. I. Waterman, joint authors.

55299 BUSH, H. L., and BREWBAKER, H. E. Pre-harvest sampling for estimating commercial production by a randomized method—nine years' results for Great Western Sugar Company territory. Amer. Soc. Sugar Beet Technol. Proc. 6:622-628. 1950. 66.9 Am35

55300 CANNON, R. M. Observations on the dehydration of beets after receiving and during storage in northern Montana. Amer. Soc. Sugar Beet Technol. Proc. 6:642-646. 1950. 66.9 Am35

55301 CHILDS, G. S. Men of faith. Amer. Soc. Sugar Beet Technol. Proc. 6:9-14. 1950. 66.9 Am35

Sugar beet industry.

55302 CORMANY, C. E. Delayed sucrose analysis of pulped beet samples. Amer. Soc. Sugar Beet Technol. Proc. 6:541-543. 1950. 66.9 Am35

55303 DAHLBERG, H. W. American beet sugar in 1950. Amer. Soc. Sugar Beet Technol. Proc. 6:520-521. 1950. 66.9 Am35

55304 DAHLBERG, H. W. Composition of beets grown in widely separated areas. Amer. Soc. Sugar Beet Technol. Proc. 6:565-569. 1950. 66.9 Am35

55305 DORFELDT, W. Über die zusammensetzung ostdeutscher dicksaftes der letzten 3 kampagnen 1947/48 bis 1949/50. Korrespondenz f. Zuckerfabriken 1950:1-3. (Concl.) Dec. 20, 1950. 65.8 K84

55306 DOWNIE, A. R., and others. 1949 results of ventilated storage of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:640-641. 1950. 66.9 Am35

L. J. Holmes, H. E. Knapp, A. G. Quamme, and A. O. Holkesvig, joint authors.

55307 ELLISON, H. E. Simplified sugar end operation on de-ionized juices. Amer. Soc. Sugar Beet Technol. Proc. 6:554-557. 1950. 66.9 Am35

55308 GASKILL, J. O. Effects of wilting, drought, and temperature upon rotting of sugar beets during storage. Amer. Soc. Sugar Beet Technol. Proc. 6:653-659. 1950. 66.9 Am35

55309 GASKILL, J. O. Progress report on the effects of nutrition, bruising, and washing upon rotting of stored sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6: 680-685. 1950. 66.9 Am35

55310 GEOGRAPHY and sugar. 2. Gt. Brit. Min. Food. Food & Nutr. 6(5):12-15. May 4, 1951. 389.9 G79F

Manufacture and refining, world trade, and supplies and consumption in Great Britain.

55311 GILMAN, W. Canadian sugaring is a little different. New Eng. Homestead 124(6):7,27. Mar. 24, 1951. 6 N442

Maple sirup industry in Canada.

55312 GILMORE manual azucarero de Cuba. Cuba sugar manual, 1950. New Orleans, 1950. 450 p. 65.8 G42

55313 HANSEN, C. M. The distribution of air in sugar beet stock pile ventilation systems. Amer. Soc. Sugar Beet Technol. Proc. 6:629-636. 1950. 66.9 Am35

55314 HARTENECK, G. Schüttzucker und flüssiger zucker—eine neue entwicklung auf dem gebiete der zucker-verarbeitung. Zucker- u. Süßwaren-Wirt. 4:4-5. (Cont.) Jan. 5, 1951. 286.86 Z3

Equipment.

55315 HUGOT, E. La sucrerie de cannes; manuel de l'ingénieur. Paris, Dunod, 1950. 820 p. 65 H872

55316 INDIAN INSTITUTE OF SUGAR TECHNOLOGY. Review of the quality of sugar manufactured in India by central sugar factories and refineries during the season 1949-50. Indian Trade J. 179:531-597. Feb. 22, 1951. 286.8 In24

55317 IVANOV, F. I. Engineer Kovalev's method—for all sugar factories. (In Russian.) Sakh. Promysh. 24 (12):10-13. Dec. 1950. 65.8 Sa2

Work management.

55318 IYER, K. V. G. A survey of the sugar factories in Bombay State with special reference to the varieties grown and crushed by them. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):3-19. 1951. 65.9 C766

55319 KHANNA, K. L., and SEN, S. C. Harvest control in sugar factory areas as a means towards eliminating the present national waste and to increase sugar production in the country. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.2):42-43. 1951. 65.9 C766

55320 KHANNA, K. L., and CHAKRAVARTI, A. S. Improvement of the gur industry in India: a brief account of researches conducted in Bihar and lines of future work to be followed. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.2):49-50. 1951. 65.9 C766

55321 KHANNA, K. L., and BANDYOPADHYAY, K. S. Need for crop surveys in the assessment of economic or commercial attributes. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.2):41. 1951. 65.9 C766

55322 KHANNA, K. L., SEN, S. C., and BANDYOPADHYAY, K. S. Sampling studies in sugarcane. IV. The estimation of fibre content. Indian Acad. Sci. Proc. Sect. B. 32:269-288. Dec. 1950. 513 In25B

55323 KHANNA, K. L., and SHARMA, S. L. Varietal census as a means to greater efficiency of production in the field and the factories. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.2):43-44. 1951. 65.9 C766

55324 LAMBORN & CO. Lamborn's chart of comparative raw sugar prices, United States price and world price. New York, 1951. 3 p., folder. 284.365 L17C

55325 LAMBORN & CO. Lamborn's chart of comparative refined sugar prices, World War I and II and post-war period. New York, 1950. folder. 284.365 L17

55326 LAUER, K., and MAKAR, S. M. Egyptian cane molasses; its analysis; isolation of aconitic acid. Internatl. Sugar J. 53:128-130. Ref. May 1951. 65.8 In8

55327 LICHT, F. O. Internationales zuckerstatistisches jahr- und adressbuch 1950; international sugar statistical year and address book 1950; erster teil: weltzuckerstatistik, v. I-II. Ratzebury, 1950. 2 v. 281.3659 L61

I, World sugar statistics, various paging; II, Address book, 113 p.

- 55328 MANNING, P. D. V., and BLISH, M. J. Production of by-products of the sugar beet industry. Amer. Soc. Sugar Beet Technol. Proc. 6:28-36. 1950. 66.9 Am35
- 55329 MAUDRU, J. E. Ion exchange operations—Hardin 1949 campaign. Amer. Soc. Sugar Beet Technol. Proc. 6:558-560. 1950. 66.9 Am35
- 55330 MAUDRU, J. E., and PAXSON, T. E. The relationship of sugar moisture to relative humidity. Amer. Soc. Sugar Beet Technol. Proc. 6:538-540. 1950. 66.9 Am35
- 55331 MONEY, R. W., and BORN, R. Equilibrium humidity of sugar solutions. J. Sci. Food & Agr. 2:180-185. Apr. 1951. 382 So12
- 55332 MORENIS, I. A. I. Successful work of the sugar factories of the Voronezh Sugar-Beet Combine. (In Russian.) Sakh. Promysh. 24(12):4-10. Dec. 1950. 65.8 Sa2
- 55333 MOSOLFF, H. Die wandlungen des zucker-verbrauchs. Zucker- u. Süsswaren-Wirt. 4:257-261. (To be cont.) Apr. 5, 1951. 286.86 Z3 Germany.
- 55334 MUKHERJI, B. K. Modification of cane molasses. II. Indian Chem. Soc. J. Indus. & News Ed. 13:159-162. 1950. 385 In27A
- 55335 MURPHY, D., STRANKS, D. W., and HARMSSEN, G. W. Production and properties of 2,3-butanediol. XXXV. Phosphate deficiency as a factor in the production of 2,3-butanediol from sugar-beet molasses. Canad. J. Technol. 29:131-143. Ref. Mar. 1951. 470 C16F Includes discussion.
- 55336 NELSON, R. T., and WOOD, R. R. Respiration and spoilage studies employing a modification of method developed by Stout and Fort. Amer. Soc. Sugar Beet Technol. Proc. 6:660-663. 1950. 66.9 Am35
- 55337 NORMAN, L. W., TURNER, J. H., and COTTON, R. H. Aconitic acid in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:577. 1950. 66.9 Am35
- 55338 NORTH, J. D. The other end of the factory. Amer. Soc. Sugar Beet Technol. Proc. 6:37-43. 1950. 66.9 Am35 Marketing.
- 55339 ORLEANS, L. P., and COTTON, R. H. Commercial ventilation of beets in storage. Amer. Soc. Sugar Beet Technol. Proc. 6:637-639. 1950. 66.9 Am35
- 55340 PANT, A. D. Cane development and marketing activities in Uttar Pradesh. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):138-143. 1951. 65.9 C766
- 55341 PARES, R. A West-India fortune. London, Longmans, Green, 1950. 374 p. 277.14 P21 Includes data on the sugar industry.
- 55342 PARFENOV, N. I. What does water centrifugation accomplish during crystallization of the second molasses of the mass in mixers. (In Russian.) Sakh. Promysh. 24(12):24-26. Dec. 1950. 65.8 Sa2 Sugar manufacture.
- 55343 PRICE, C., and FIFE, J. M. A convenient method for preserving sugar beet pulp for analysis. Amer. Soc. Sugar Beet Technol. Proc. 6:218-220. 1950. 66.9 Am35
- 55344 RAO, N. V. M., and ANJIREDDY, D. Chemical composition and keeping of jaggery from cane grown under swamp conditions. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):152-156. 1951. 66.9 C766
- 55345 RAO, N. V. M., NARASIMHAN, R. L., and ANJIREDDY, D. Jaggery or gur. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):143-151. 1951. 65.9 C766
- 55346 ROBINSON, P. T. The Molnau sugar beet cleaning screen. Amer. Soc. Sugar Beet Technol. Proc. 6:607. 1950. 66.9 Am35
- 55347 ROUNDS, H. Second carbonation studies based on commercial application of the "effective alkalinity" concept. Amer. Soc. Sugar Beet Technol. Proc. 6:561-564. 1950. 66.9 Am35
- 55348 SCHLEH, E. J. Bibliografía Argentina de la industria azucarera. Indus. Azucarera 56:53-54, 56, 58-59, 61-63, 86, 88-90, 92-95. Feb.-Mar. 1951. 65.8 In22
- 55349 SIMPSON, F. J., and STRANKS, D. W. Production and properties of 2,3-butanediol. XXXIV. Some factors affecting the fermentation of beet molasses by *Bacillus polymyxa*. Canad. J. Technol. 29:87-97. Ref. Feb. 1951. 470 C16F
- 55350 STARK, J. B., GOODBAN, A. E., and OWENS, H. S. Organic acids in sugar beet diffusion juices. Amer. Soc. Sugar Beet Technol. Proc. 6:578-583. 1950. 66.9 Am35
- 55351 STOUT, M. Heat and moisture-transfer studies in relation to forced ventilation of insulated columns of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 6:647-652. 1950. 66.9 Am35
- 55352 STOUT, M., and SMITH, C. H. Studies on the respiration of sugar beets as affected by bruising, by mechanical harvesting, severing into top and bottom halves, chemical treatment, nutrition and variety. Amer. Soc. Sugar Beet Technol. Proc. 6:670-679. 1950. 66.9 Am35
- 55353 STROMQUIST, D. M. Ion exchange behavior on two-boiling system at Layton Sugar Company. Amer. Soc. Sugar Beet Technol. Proc. 6:549-553. 1950. 66.9 Am35
- 55354 TABAH, L. Quelques données de fait sur le problème sucre-alcool. Population 6:142-144. Jan./Mar. 1951. 280.8 P812 France.
- 55355 TITUNNIKOV, V. The collective [of workers] of Orekhov sugar factory is fulfilling its obligations [in sugar production]. (In Russian.) Sakh. Promysh. 24(12):14-15. Dec. 1950. 65.8 Sa2
- 55356 TORNQVIST, E., and LUNDIN, H. The biotechnical production of fat using cane molasses as raw material. Internatl. Sugar J. 53:123-127. May 1951. 65.8 In8
- 55357 VAIL, J. S. Sugaring time—prelude to spring. Kraftsman, Prod. Ed. 9(2):12-13. Mar./Apr. 1951. 44.8 K85 Maple sugar extraction.
- 55358 VANHOOK, A. Size distribution of sugar crystals. Amer. Soc. Sugar Beet Technol. Proc. 6:570-576. Ref. 1950. 66.9 Am35
- 55359 VINOGRADOV, N. V. Sugar industry in the countries of people's democracy and in capitalist lands. (In Russian.) Sakh. Promysh. 24(12):39-40. Dec. 1950. 65.8 Sa2
- 55360 WATERSTON, D. L. Bounty from maples; from dozens of stony hillsides in Quebec, farmers harvest a profitable cash crop during a brief month in early spring. Family Herald & Wk. Star 82(15):5, 23. Apr. 12, 1951. 7 F21
- 55361 WEITZ, F. W. Scale reading—Brix conversion table for the Bausch and Lomb precision refractometer in the normal weight solution method of analysis of sugar products. Amer. Soc. Sugar Beet Technol. Proc. 6:522-527. 1950. 66.9 Am35
- 55362 WILKINSON, R. A. Improving screens for trash and dirt elimination in sugar beet receiving equipment. Amer. Soc. Sugar Beet Technol. Proc. 6:596-606. 1950. 66.9 Am35
- 55363 ZABLINSKY, K. Schwefelwasserstoff in getrockneten schnitzeln. Korrespondenz f. Zuckerfabriken 1950:3-7. Dec. 20, 1950. 65.8 K84

TOBACCO

- 55364 ARTHURS, W. C. Famous Lexington burley market at top during the past season of rapid selling. Tobacco [New York] 132(16):151, 156. Apr. 19, 1951. 286.89 T552
- 55365 BAYNE, W. M. Designer urges cooperative research for tobacco processing industrial work. Tobacco [New York] 132(16):101. Apr. 19, 1951. 286.89 T552
- 55366 BELTCHEV, K. Tobacco in Bulgaria. Sofia, 1950. 148 p. 281.369 B41 German original ed. published in 1947.
- 55367 BOSWELL, A. B. 85,330,228 bright pounds sold at Wilson [North Carolina] for \$48,721,117, average of \$57.10 in '50. Tobacco [New York] 132(16):21, 23, 25-26. Apr. 19, 1951. 286.89 T552
- 55368 CUNNINGHAM, N. L. Tennessee burley crop brings big money; successful season of '50-'51 for planters. Tobacco [New York] 132(16):141, 156. Apr. 19, 1951. 286.89 T552
- 55369 DENNIS, H. A. Once again Henderson, North Carolina, prepares for extraordinary bright year. Tobacco [New York] 132(16):115, 117, 169. Apr. 19, 1951. 286.89 T552
- 55370 DIXON, W. T. Once more old Durham tobacco market stands ready for excellent 1951 season. Tobacco [New York] 132(16):55, 57, 59-60. Apr. 19, 1951. 286.89 T552
- 55371 FIELDING, C. Maryland leaf gains in home, export business as manufacturers ask "aroma." Tobacco [New York] 132(16):139-140. Apr. 19, 1951. 286.89 T552

MISCELLANEOUS PRODUCTS

- 55372 FORT, J. Since ancient colonial days Black Patch was famous for its dark-fired tobacco. Tobacco [New York] 132(16):144-145. Apr.19,1951. 286.89 T552 Tennessee.
- 55373 FOSTER, S. A. Hampton Roads ships bulk of tobacco to all parts of universal smoking world. Tobacco [New York] 132(16):69,71,73,75,77,79,81,83,85,87,89,91-93. Apr.19,1951. 286.89 T552
- 55374 GREENE, R. S. Farmville, N. C., foreign, home business, trade staples, become larger every year. Tobacco [New York] 132(16):137,155. Apr.19,1951. 286.89 T552
- 55375 JOHNSTON, E. G., JR. Rocky Mount, North Carolina, offers perfect blending bright leaf for trade. Tobacco [New York] 132(16):37,39,41,43-44. Apr.19,1951. 286.89 T552
- 55376 JONES, J. Fuquay-Varina [North Carolina] market makes progress as domestic-export trade still expands. Tobacco [New York] 132(16):123-124. Apr.19,1951. 286.89 T552
- 55377 LEE, G. W. Old days saw Smithfield a leaf market 180 years ago in what's now N. Carolina. Tobacco [New York] 132(16):133-134. Apr.19,1951. 286.89 T552
- 55378 MACK, T. South African crops small but gaining; imports-exports tangle with local trade. Tobacco [New York] 132(16):125. Apr.19,1951. 286.89 T552
- 55379 MCLEAN, A. T., JR. 54th selling season at Lumberton, N. C. featured with numerous improvements. Tobacco [New York] 132(16):109,111-113. Apr.19,1951. 286.89 T552
- 55380 MILTON, R. H. What is plan for burley acreage control, Federal grading, price support for '51? Tobacco [New York] 132(16):150,154. Apr.19,1951. 286.89 T552
- 55381 MOSER, E. H. Advancing in North Carolina is Wendell where tobacco men make improvements. Tobacco [New York] 132(16):127-129. Apr.19,1951. 286.89 T552
- 55382 RANKIN, R. C. Mullins looks for big South Carolina year; market expanding to meet progress. Tobacco [New York] 132(16):63-66. Apr.19,1951. 286.89 T552
- 55383 RIVERO MUÑIZ, J. Tabaco; ensayo de una bibliografía tabacalera en Español. Rev. de la Bibliot. Nac. (ser.2):2:23-271. Jan./Mar.1951. 241 R522
- 55384 ROBERTS, S. E. Bohannon, Bowling Green, Ky., known for excellent burley leaf in that section. Tobacco [New York] 132(16):149. Apr.19,1951. 286.89 T552
- 55385 ROSENDORFF, H. G. Australia increases production of leaf as dollar shortages continue on island. Tobacco [New York] 132(16):35,66. Apr.19,1951. 286.89 T552
- 55386 SMITH, E. B. Greeneville, Tennessee, leads burley; excellent crop is produced in locality. Tobacco [New York] 132(16):143. Apr.19,1951. 286.89 T552
- 55387 SPENCER, S. A. Bright tobacco featured by Dunnington at the old Farmville, Virginia, market. Tobacco [New York] 132(16):131,170. Apr.19,1951. 286.89 T552
- 55388 STORY, R. M. What are prospects for Tobacco South in hectic year of international unrest? Tobacco [New York] 132(16):17. Apr.19,1951. 286.89 T552
- 55389 TETLEY, G. Old leaf market at Danville, Virginia, still supreme as domestic-export town. Tobacco [New York] 132(16):29,31,33-34. Apr.19,1951. 286.89 T552
- 55390 THOMPSON, R. R. What do turbulent years mean to trade as restrictions cripple normal trends? Tobacco [New York] 132(16):27,66. Apr.19,1951. 286.89 T552
- 55391 VALENTINE, L. L. Tobacco types—burley, one sucker, dark-fired—in Tennessee and Kentucky area. Tobacco [New York] 132(16):146-147. Apr.19,1951. 286.89 T552
- 55392 WESTBROOK, E. C. How bright tobacco is cured in South; factors to be reckoned with in detail. Tobacco [New York] 132(16):19,153-154. Apr.19,1951. 286.89 T552
- 55393 WHEDBEE, W. L. Greenville—world's finest market for choice domestic and export leaf. Tobacco [New York] 132(16):103,105-107,155. Apr.19,1951. 286.89 T552
- 55394 WILLIAMS, J. R. World's largest leaf center just that in Winston-Salem, N. Carolina, Old Belt. Tobacco [New York] 132(16):95,97,99-100. Apr.19,1951. 286.89 T552
- 55395 WITHERINGTON, R. S. Kinston [North Carolina] proud of its flue-cured leaf; 1951 season expected most successful. Tobacco [New York] 132(16):47,49,51-52. Apr.19,1951. 286.89 T552
- 55396 ANDRÉ, A. L'utilisation de l'acide ascorbique pour les poissons congelés. Rev. Prat. du Froid 6(6):39-40. Mar.1951. 295.8 R323
- 55397 AVERY, A. C. Preservation of very small fish in the Philippine Islands. (Abs.) Food Technol. 5(5,sup.):16. May 1951. 389.8 F7398
- 55398 BONNIKSEN, C. W. The manufacture of alginates. (Abs.) Indus. Chem. 27:159-160. Apr.1951. 382 In22
- 55399 CONNERY, F. Hop quality improvement. Brewers Digest 26(4):50. Apr.1951. 390.8 B75
- 55400 DANIEL, J. F. D. Preserves. (In Portuguese.) Com. Portug. 39/40:71-72. June 1950. 286.8 C7332 The Portuguese fish canning industry.
- 55401 GRANBERG, W. J. Salmon chunks in a 4-pound can. Food Packer 35(5):29. May 1951. 286.83 C165
- 55402 JARVIS, N. D. Canning little tuna. (Abs.) Food Technol. 5(5,sup.):16. May 1951. 389.8 F7398
- 55403 POTTINGER, S. R. Frozen Atlantic oyster investigations. (Abs.) Food Technol. 5(5,sup.):16. May 1951. 389.8 F7398
- 55404 PUNCOCHAR, J. F. Freezing fish at sea investigations. (Abs.) Food Technol. 5(5,sup.):16-17. May 1951. 389.8 F7398
- 55405 ROSE, R. C. Extraction of alginates from Canadian seaweeds. Canad. J. Technol. 29:19-28. Jan. 1951. 470 C16F Production of sodium alginate.
- 55406 SHERER, S. J., and AXTELL, F. W. Shipping flowers by air. 7. Ground service. Florist's Rev. 108(2786):35-37. Apr.19,1951. 80 W41
- 55407 SHEWAN, J. M. Salage, fumage et déshydratation du poisson. Gt. Brit. Dept. Sci. & Indus. Res. Food Invest. Mem. 668,157 p. Ref. 1950? 389.9 G792M
- 55408 TANIKAWA, E. Gyokakubutsu shori [Treatment of the catch of fish]. Tokyo, Maruzen Shuppan, 1950. 375 p. 389.3 T153
- 55409 THURSBY, I. S. Canning, salting, smoking, cooking Florida fish. Fla. Agr. Col. Ext. B. 147,22 p. Feb.1951. 275.29 F66

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 55410 ASHBY, A. W. Development and situation of research in agricultural economics in Great Britain, 1950. In Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur, 27. märz 1951, p.63-78. Brugg, 1951. 281 Un37
- 55411 AUGÉ-LARIBÉ, M. Les études d'économie rurale en France. In Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur, 27. märz 1951, p.41-54. Brugg, 1951. 281 Un37
- 55412 BREGMAN, A. Chapters from the agricultural economy of Indonesia. II-III. (In Dutch.) Econ. Weekbl. v. Indonesië 17:94-99,109-110,112-113. Feb.10,17,1951. 280.8 Ec76
- 55413 BRIZI, A. Studies on agricultural economics in Italy. (In Italian.) In Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur, 27. märz 1951, p.79-89. Brugg, 1951. 281 Un37
- 55414 BROWN, A. H. A farmer looks at the agricultural economists. Agr. Econ. Soc. J. Proc. 9:81-94. Mar.1951. 281.9 Ag8 Includes discussion.
- 55415 CANONGE, H. Réalités économiques. Bas-Rhin. Agr. 6:193-194. Apr.28,1951. 14 B29
- 55416 COLOMBIA. MINISTERIO DE AGRICULTURA Y GANADERÍA. DIVISIÓN DE ECONOMÍA RURAL. Economía agropecuaria de Colombia 1949. Bogotá, 1950. 148 p. 9.4 C719E Contains reports by R. Varela Martínez, G. Palacio del Valle, G. A. Riveros, and E. Ramírez Forero; data on agricultural production, livestock, and prices included.
- 55417 GT. BRIT. COMMONWEALTH CONSULTATIVE COMMITTEE ON SOUTH AND SOUTH-EAST ASIA. The Colombo Plan for co-operative economic development in South and South-East Asia. London, Stationery Off., 1950. 101 p. ([Gt. Brit. Parliament. Papers by Command] Cmd. 8080) 280.18 G792

- 55418 HAMILTON, W. E. Basic principles governing our economy as the Farm Bureau sees them. *Cotton Res. Cong. Proc.* 11:69-76. 1950. 72.9 C825
- 55419 HANSEN, A. H. Business cycles and national income. New York, Norton, 1951. 639 p. Ref. 280 H192Bu
Contains references to agriculture for which the index should be consulted.
- 55420 HOWALD, O. Entwicklung und stand der forschung auf dem gebiete der wirtschaftslehre des landbaues in der Schweiz. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.125-150. Brugg, 1951. 281 Un37
- 55421 INTERNATIONAL CONFERENCE OF AGRICULTURAL ECONOMISTS. Proceedings, 7th, held at Villa delle Azalee, Stresa, Italy, 21-27 August 1949. London, Oxford U. Press, 1950. 372 p. 281.9 In82
- 55422 KUBOTA, A. Nogyo keizai gaku nyumon [Agricultural economy]. Tokyo, Kobun-sha, 1950. 240 p. 281 K95
- 55423 LEESCH, A. F. Basic economic principles governing our economy as the National Grange sees them. *Cotton Res. Cong. Proc.* 11:77-81. 1950. 72.9 C825
- 55424 NANNESON, L. Derzeitiger stand der forschung auf dem gebiete der wirtschaftslehre des landbaues in Schweden. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.101-108. Brugg, 1951. 281 Un37
- 55425 PAPAGEORGIOU, E. Überblick über die wirtschaftsforschung in der landwirtschaft im allgemeinen und der griechischen im besondern. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.55-62. Brugg, 1951. 281 Un37
- 55426 PIHKALA, R. Der stand der forschung auf dem gebiete der wirtschaftslehre des landbaues in Finnland. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.31-39. Brugg, 1951. 281 Un37
- 55427 RAFLER, D. D. Indonesia in the world economy. I. *Foreign Agr.* 15:75-78. Apr. 1951. 1.9 Ec7For
- 55428 ROLFES, M. Der gegenwärtige stand der forschung und der forschungseinrichtungen auf dem gebiet der wirtschaftslehre des landbaues in Deutschland. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.21-30. Brugg, 1951. 281 Un37
- 55429 SCHWEIZERISCHES BAUERNSEKRETARIAT. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur, 27. märz 1951; publication jubilaire éditée à l'occasion du quatre-vingtième anniversaire de M. le Professeur Ernest Laur, 27 mars 1951. Brugg, 1951. 392 p. 281 Un37
Papers on the economics of agriculture.
- 55430 SKOVGAARD, K. Voraussetzungen und heutiger stand der wirtschaftsforschungen des landbaus in Dänemark. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.9-20. Brugg, 1951. 281 Un37
- 55431 STEDEN, A. Entwicklung und stand der forschung auf dem gebiete der wirtschaftslehre des landbaues in Österreich. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.91-100. Brugg, 1951. 281 Un37
- 55432 THOMAS, W. P. Changes in the economic position of agriculture. *Farm & Home Sci.* [Utah Sta.] 12:1, 18-19. Mar. 1951. 100 UtiF
- 55433 TUGWELL, R. G. Wonders may not cease. *Agr. Econ. Soc. J. Proc.* 9:147-167. Mar. 1951. 281.9 Ag8
Includes discussion.
Population and food supply.
- 55434 VERKINDEREN, A. P. La recherche économique rurale en Belgique. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.1-8. Brugg, 1951. 281 Un37
- 55435 VIERI, F. Agriculture and industry. (In Italian.) *Terra* [Firenze] 62(16):1. Apr. 22, 1951. 16 T274 Italy.
- 55436 VLORA, A. K. Tunisian economy. (In Italian.) *Africa* 6:69-70. (To be cont.) Mar. 1951. 280.8 Af2 Agricultural.
- 55437 YOUNG, H. A. Our national economy as the Cotton Council sees it. *Cotton Res. Cong. Proc.* 11:82-86. 1950. 72.9 C825

AGRICULTURAL FINANCE

- 55438 HUMBLLOT, P. Les investissements en Côte d'Ivoire. I. Agriculture—forêts—mines—commerce. *Marchés Colon.* 7:1149, 1151-1153, 1155. Apr. 28, 1951. 286.8 M33

Credit

- 55439 CONFERENCE OF PRODUCTION CREDIT CORPORATION TREASURERS. Report, Washington, D. C., November 6-10, 1950. Washington, U. S. Farm Credit Admin., 1951? 47 p. 1.955 P2C762
- 55440 CRAMOIS, A. Les résultats de l'emprunt du crédit agricole. *Acad. d'Agr. de France. Compt. Rend.* 36:688-689. Dec. 13/20, 1950. 14 P215Bc
Caisse Nationale de Crédit Agricole.
- 55441 DIESSLIN, H. G., and HEITZ, G. E. Budgeted farm production loans of production credit associations. *Ind. Agr. Expt. Sta. B.* 557, 31 p. Nov. 1950. 100 In2P
- 55442 DIESSLIN, H. G. Short-term agricultural loans of selected Indiana banks. *Ind. Agr. Expt. Sta. B.* 558, 43 p. Nov. 1950. 100 In2P
- 55443 FRANCIS, D. R. Agriculture in 1950. n.p., 1950? 8 p. 284.2 F844
Credit.
- 55444 GOMEZ GRAJALES, L. Financing a small nation. *United Nations World* 5(5):54-55. May 1951. 280.8 Un384
Agricultural credit agencies in Colombia.
- 55445 HALLER, B., JR. "Farm clinic" sponsorship is a good investment for banks. *Nowest. Banker* 56(765):18, 53. Apr. 1951. 284.8 N81
- 55446 KEIJSER, J. S. Credit restrictions. (In Dutch.) *Landboude* 5(15):3. Apr. 14, 1951. 12 L234
Netherlands.
- 55447 LUZ FILHO, F. The rural Raiffeisen banks and their true characteristics. (In Portuguese.) *Cooperativismo* [Rio de Janeiro] 5(57):7-8, 11-12. Mar. 1951. 280.28 C7856
- 55448 MADRAS CO-OPERATIVE CENTRAL LAND MORTGAGE BANK. Twenty-first annual report, 1949-50. Madras, 1950. 48 p. 284.9 M26
- 55449 RIFAAT, M. A. The recent experience of cotton finance. *Egypt. Cotton Gaz.* 12:29-33. Jan. 1951. 72.8 Eg9
- 55450 SCHWARTZ, L. M. Aids in solving personnel problem in country banks. *Bank News* 51(24):42-43, 46. May 15, 1951. 284.8 B224
- 55451 SHELOR, J. C. Public service projects pave way for regular bank promotion. *Nowest. Banker* 56(765):19, 38. Apr. 1951. 284.8 N81
- 55452 SOUZA, J. G. DE. Agricultural financing and futures selling of products in the São Francisco area. (In Portuguese.) *Lavoura* 55:6-8. Jan./Feb. 1951. 9.2 L39
A credit device.
- 55453 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR LATIN AMERICA. Agricultural credit in Honduras. New York, 1950. 38 p. (United Nations. [Doc.] E/CN.12/167/Add.4) 284.2 Un394Ah
- 55454 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR LATIN AMERICA. Draft of resolution on agricultural credit studies approved by Committee 2. *Lake Success?* 1950. sheet. (United Nations. [Doc.] E/CN.12/196) 284.2 Un394Da
- 55455 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR LATIN AMERICA. Draft of resolution on studies, technical assistance, and the meeting of agricultural credit experts, approved by Committee 2. *Lake Success?* 1950. 2 p. (United Nations. [Doc.] E/CN.12/195) 284.2 Un394D
- 55456 U. S. FARM CREDIT ADMIN. Farm Credit Administration career program. Washington, 1951. 3 p. 1.955 A2F222
- 55457 U. S. FARM CREDIT ADMIN. Using your production credit association. U. S. Farm Credit Admin. C. E-17, slightly rev., 12 p. 1951. 166.2 C4926
- 55458 U. S. FARMERS' HOME ADMIN. Farmers Home Administration real estate loans available to small farmers. Washington, 1951? 5 p. 1.949 F2235

Income

55459 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Farm incomes in England & Wales, 1944-5 to 1947-8. *Gt. Brit. Min. Agr. & Fisheries. Farm Income Ser.* 1, 191 p. 1950. 281.9 G792F

55460 KNOTTNERUS, C. S. Agricultural income in the report of the Social Economic Council. (In Dutch.) *Drents Landtbl.* 32(14):3. Apr. 7, 1951. 12 D812 Netherlands.

Inflation

55461 GALBRAITH, J. K. Strategy in the fight against inflation. (Condensed.) *Farm Policy Forum* 4(4):6-10. Apr. 1951. 281.8 F2274

55462 JESNESS, O. B. Inflation—let's stop it. *Gleaner* 5(3):2,8. Apr. 1951. 6 G472

55463 MAYER, L. B. Management in the face of inflation. *Amer. Soc. Farm Mgr. & Rur. Appraisers J.* 15:23-28. Apr. 1951. 281.8 Am32

55464 VARNER, D. B., and BUTZ, D. E. 1951—year of inflation. *Mich. Milk Messenger* 32(12):1,7. Apr. 1951. 44.8 M582

Insurance

55465 BARCELO, D. Un seguro infalible. *Balearic Isl. Diputación Prov. B. de Agr.* 77:1-2. Feb. 1951. 15 B19

55466 CHILANTI, P. Unified contributions for 1951. (In Italian.) *Agr. Ital.* 2(1/2):41-43. Jan. 1/15, 1951. 16 Ag822

55467 GUSTIN, L. Les modifications récentes apportées aux assurances sociales agricoles. *Fiches Rur.* 68:1-12. Apr. 1951. 281.8 F44 France.

55468 MCTERNAN, H. Farm workers under social security. *Kans. City Coop. Dairyman* 21(3):6-7. Mar. 1951. 280.28 K13

55469 MILHAU, J. Les calamités viticoles. *Prog. Agr. et Vitic.* 1951:191-193. Apr. 15/22, 1951. 14 P94 Insurance.

55470 PENTTALA, V. J. Accidents and accident insurance in agriculture. (In Swedish.) *Lantarbetsgivaren* 1950(6):8-9. Nov. 1950. 20 L292 Finland.

55471 REED, H. W. Social security and the cowman. *Ariz. Cattlelog* 6(7):38-39. Mar. 1951. 43.8 Ar42

55472 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm building losses that are covered by insurance; fire and extended-coverage loss experience in regard to buildings of farm-ownership borrowers from Farmers Home Administration, 1943-49, by J. D. Rush. *Washington?* 1951. 8 p. 1.941 F6F222

55473 U. S. BUR. OF INTERNAL REVENUE. Agricultural employer's social security tax guide. *Washington, 1951, i.e. 1950.* 15 p. (Its C. A) 151.51 Ag8

55474 WINDISCH, K. Warum wurden die Krankenkassenbeiträge erhöht? *Allg. Bauern-Ztg.* 6(13):3. Mar. 31, 1951. 19 K142 Austria.

Taxation

55475 BARTON, W. E. Some suggestions regarding procedure in Federal income tax cases of breeders and cattlemen. *Pollard Hereford Mag.* 8(10, i.e. 11):18-21, 25. Apr. 1951. 49 P69

55476 CHERRY, R. G., and GABBARD, L. P. Trend of taxes on farm and ranch real estate in Texas, 1950. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1368, 1 p. May 14, 1951. 100 T31P

55477 DUSSERD, R. Les impôts actuels sur les bénéfices agricoles. *Tarn-et-Garonne Agr.* 14:51. (Cont.) Mar. 1951. 14 T17

55478 FARRAND, K. Capital gain or ordinary income? *Diamond Walnut News* 33(3):12-13. May 1951. 94.69 D34

55479 GROOTJANS, A. Le paiement anticipatif de la taxe professionnelle. *Vivres* 6(3):19-20. Mar. 1951. 389.8 V832 Belgium.

55480 HAYGOOD, T. F. Local property and personal taxes top list of all levies paid by agriculture. *Calif. Cattleman* 1951:12-13. Apr. 1951. 43.8 C12

55481 HEIM. Umsatzsteuer für nichtbuchführende landwirte 1951. *Württemb. Wchnbl. f. Landwirt.* 118:298. Apr. 14, 1951. 18 W96

55482 HERZOG, M. Die Besteuerung der Gärtnereien. *Stuttgart, Ulmer, 1950.* 72 p. (Grundlagen und Fortschritte im Garten- und Weinbau, Heft 79) 284.5 H44

55483 LANIEL, J. La carrière fiscale et sociale d'une fibre de lin. *Fleur Bleue* 14:38-40. Apr. 1951. 304.8 F63

Taxation in France.

55484 LAURENTIS, C. DE. The politeness of the bee in the hands of the public treasury; obligations of the government. (In Italian.) *Apic. Mod.* 42:44-45. Feb. 1951. 424.8 Ap39

Taxation of apiculture.

55485 LEMOS, R. Feedlot managers and the tax on mercantile sales or sales and consignments. (In Portuguese.) *Rev. dos Criadores* 21(12):17-19. Dec. 1950. 43.8 R32

Brazil.

55486 NEUKOMM, W. Entwicklung der landwirtschaftlichen wert- und taxationslehre. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. Geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p. 299-318. Ref. *Brugg*, 1951. 281 Un37

55487 SCHIETHART, L. J. Assessment of property without buildings for taxation. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:88. Mar. 1951. 12 N282

55488 SEXAUER, F. A. A farmer looks at taxes. *Metrop. Milk Prod. News* 11(4):14. Apr. 1951. 280.28 M56

55489 SIJTSMA, P. Taxation questions. 8. (In Dutch.) *Friesch Landtbl.* 48:171. Mar. 16, 1951. 12 F91

55490 STRUNZ. Endlich zur einsicht gekommen; besatzungskostenbeitrag 1950 für kleinbetriebe erleichtert. *Gartenbauwirtschaft [Wien]* 1951:19-20. Jan. 25, 1951. 80 G1936

Austria.

55491 U. S. S. R. MINISTERSTVO ZAGOTOVOK. Spravochnik agenta po zagotovkam sel'skokhoziaistvennykh produktov [Handbook for the agent on procurement of agricultural products], v. 2. Moskva, Gos. Izd-vo Tekhn. i Ekon. Lit-ry po Voprosam Zagotovok, 1950. 160 p. 284.59 Un3

AGRICULTURAL LABOR AND WAGES

55492 ALBRECHT, R. Will it pay me to have a hired man? Here are a few ideas that may help you to make your decision. *Prairie Farmer*, Gen. Ed. 123(8):6. Ref. Apr. 21, 1951. 6 P883

55493 AMITZ, M. The wages of cowshed workers in the U.S.S.R. (In Hebrew.) *Hassadeh* 31:245-246. Feb. 1951. 26 H27

55494 ARESPOCHAGA Y FELIPE, M. DE. La productividad real del trabajo en la oleicultura. *Madrid, Sindicato Vertical del Olivo*, 1950. 32 p. 283 Ar3

55495 BECKERICH, A. Un nouveau salaire minimum garanti pour l'agriculture. *Agr. Prat.* 115:189-190. Apr. 1951. 14 J82

France.

55496 BOTTINI, R. N. Wages in lieu of proper notice. *Land Worker* 32(382):5. (Cont.) Mar. 1951. 283.8 L22

England.

55497 BROWN, C. Agricultural efficiency in U. S. A. *Land Worker* 32(383):5. Apr. 1951. 283.8 L22

55498 BRUNNER, G. Arbeitersparung in der hofwirtschaft. *Neue Mitt. f. die Landwirt.* 6:105-106. Feb. 17, 1951. 18 N39

Germany.

55499 CALATRAVA, T. G. Los salarios familiares en el medio agrícola, industrial y marítimo. *Cooperación [Madrid]* 107/108:15. Jan./Feb. 1951. 280.28 C7875

Spain.

55500 CHAULEUR, P. Le problème de la main d'œuvre en Côte d'Ivoire demande une transformation progressive mais profonde des conditions de travail. *Marchés Colon.* 7:1161-1166. Apr. 28, 1951. 286.8 M33

55501 HALL, J. A. How we propose to get labor for fruit growers this summer and fall. *N. Y. State Hort. Soc. Proc.* 96:212-216. 1951. 81 N484

55502 HOPPER, N. F. Farm labor situation. *N. Y. State Hort. Soc. Proc.* 96:207-211. 1951. 81 N484

55503 HOPPER, N. F. How we hope to get labor for fruit growers this summer and fall. *N. Y. State Hort. Soc. Proc.* 96:287-289. 1951. 81 N484

55504 LABOR UTILIZATION CONFERENCE, WASHINGTON, D. C., 1951. Report. Washington, U. S. Ext. Serv., 1951. 14 p. 1.913 C3L11

55505 MCCULLOUGH, E. Aumento de jornales para los campesinos. *Cooperación [Madrid]* 107/108:42-43. Jan./Feb. 1951. 280.28 C7875

Spain.

55506 NELSON, E., and MEYERS, F. Labor requirements and labor resources in the lower Rio Grande Valley of Texas. *Austin, U. Texas*, 1950. 33 p. 283 N33

- 55507 NUEL, P. Das österreichische landarbeitsrecht. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr-u. Adressb. 1949:282-291. 1950. 19 Au72J
- 55508 PIEL-DESRISSAUX, J. L'organisation du travail en viticulture. France. Min. de l'Agr. B. Tech. d'Inform. 56:79-86. Jan./Feb.1951. 14 F844B
- 55509 PRAX, A. Le salaire minimum garanti. Prog. Agr. et Vitic. 1951:147-151. Mar.18/25,1951. 14 P94
- France.
- 55510 SCOTT, W. E. Saving time and labour on dairy farms. Massey Agr. Col. Dairyfarming Annu. 3:85-87. Nov.1950. 44.9 M382
- 55511 SCRUGGS, C. G. Working together to serve better; Navarro County, Tex., has set a pattern for cooperation that agricultural workers in many other counties might well follow. Prog. Farmer, Tex. Ed. 66(4):15,131. Apr.1951. 6 T311
- Navarro County Agricultural Workers Association.
- 55512 SKOROKHOD, A. F. Production achievements of Stalin stud farm collective [of workers]. (In Russian.) Konevodstvo 20(10):4-6. Oct.1950. 42.8 K832
- 55513 STEVENS, H. B. Don't bruise the help. Amer. Fruit Grower 71(5):11,34-35. May 1951. 80 G85
- Labor management.
- 55514 STROHM, J. Are you wasting labor? Country Gent. 121(5):21,86-88. May 1951. 6 C833
- How to simplify farm chores.
- 55515 TUYNMAN, D. S. Labor supply, Achilles heel of agriculture in the West. (In Dutch.) Landbode 5(5):1. Feb.3,1951. 12 L234
- Netherlands.
- 55516 U. S. DISPLACED PERSONS COMMISSION. American farmers will benefit by changes in displaced persons farm labor program. Washington,1951? 2 p. 173 D63A
- 55517 U. S. PRESIDENT'S COMMISSION ON MIGRATORY LABOR. Migratory labor in American agriculture: report. Washington,1951. 188 p. 173 P9222
- 55518 WILSON, J. D. Manpower problems in agriculture and possible solutions for 1951. Oreg. State Hort. Soc. Proc. 65:20-21. 1950. 81 Or32
- 55519 ZOETHOUT, D. A. C. Efficiency of the work of Danish farmers. (In Dutch.) Landbode 5(13):1. Mar.31, 1951. 12 L234
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS**
- 55520 AKADEMIFA NAUK. SOVET PO IZUCHENIU PROIZVODITEL'NYKH SIL. Prirodnye usloviya severo-zapadnogo Kavkaza i puti ratsional'nogo ispol'zovaniya ikh v sel'skokhozyaistvennom proizvodstve [Natural conditions of north-western Caucasus and ways of their rational utilization in agricultural production], pt. 1. Moskva, Akademiya Nauk SSSR, 1950. 187 p. 281.179 Ak1
- 55521 ALBRECHT, W. War: some agricultural implications. Org. Farmer 2(8):19-23. Mar.1951. 57.8 Or3
- 55522 AMIR, A. A visit to the U. S. A. (In Hebrew.) Hassadeh 31:253-255,296-298,357-358. Feb.-Apr.1951. 26 H27
- 55523 ATLAS agricole marocain. Rabat,1950. 6 p., 41 maps. 35.4 At6
- 55524 AUBRY, M. Les problemes agricoles devant le conseil économique (1947-1951). France. Min. de l'Agr. Rev. Inform. Juridique et Sociale 1951:49-53. Mar.1951. 281.8 F84
- 55525 BADEN, W. Reisseindrücke aus holländischen moor- und ödlandgebieten im herbst 1950. Wasser u. Boden 2:265-268;3:26-28. Dec.1950-Jan./Feb.1951. 56.8 W28
- Includes discussion by J. Eshuis.
- Agriculture.
- 55526 BANDINI, M. The principal problems of Italian agriculture. Internat. Conf. Agr. Econ. Proc. (1949)7:197-201. 1950. 281.9 In82
- Includes discussion.
- 55527 BENEDIKTOV, I. Machine-tractor stations in the effort for a new advancement of socialist agriculture. (In Russian.) Bol'shevik 27(5):9-18. Mar.1951. 280.8 B633
- 55528 BIBACH, B. Der grosse Fünfjahrplan beginnt. Deut. Landwirt. 2:1-2. Jan.1951. 18 D4822
- Russian Zone.
- 55529 BLONDELLE, R. Et le probleme agricole? Bas-Rhin. Agr. 6:157. Apr.7,1951. 14 B29
- 55530 BONNER, J. Strukturwandlungen und nachkriegsprobleme der wirtschaft Österreichs. Kiel. U. Inst. f. Weltwirt. Kieler Studien 13,64 p. 1950. 280.9 K54K
- Contains a chapter on agriculture and food.
- 55531 BOOTH, J. F. Canadian agriculture at the middle of the century. Econ. Annal. 21:29-33. Apr.1951. 281.8 Ec72
- 55532 BOREL, A. Evolution du droit civil en matière agricole en Suisse. In Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur, 27. märz 1951; p.165-186. Brugg,1951. 281 Un37
- 55533 BORGHESE, S. What I saw in Angola. (In Italian.) Affrica 6:77-78. Mar.1951. 280.8 Af2
- Contains a section on agriculture.
- 55534 BOUCHARD, F. L'avenir de l'agriculture. Défense Agr. de la Beauce et du Perche 48:169. Apr.21, 1951. 14 D36
- 55535 BRAVERMAN, J. B. S. Israel's food and agricultural industries. Technion Ybk.1950:262-264. 475 T222
- 55536 BRUGGER, H. Die selbstversorgung in der schweizerischen landwirtschaft. In Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur, 27. märz 1951; p.187-218. Brugg,1951. 281 Un37
- 55537 CANADIAN FEDERATION OF AGRICULTURE. Farmers meet the cabinet, Ottawa, February, fifteenth, nineteen fifty-one. Ottawa,1951. 15 p. 281.9 F226
- Agricultural policy.
- 55538 CANADIAN FEDERATION OF AGRICULTURE. The President's address, 15th annual convention, Calgary, Alta., January, 1951. Ottawa,1951. 13 p. 281.9 C166P
- Agricultural policy.
- 55539 CARRANTE, A. Assuring an increase in agricultural production. (In Italian.) Agr. Ital. 2(1/2):5-11. Jan.1/15,1951. 16 Ag822
- Policy.
- 55540 CHAPMAN, P. W. Beautiful Kentucky. Prog. Farmer, Tex. Ed. 66(4):64,66,84-85. Apr.1951. 6 T311
- Includes agriculture in Kentucky.
- 55541 CLARK, C. The conditions of economic progress. Ed. 2. London, Macmillan, 1951. 584 p. 284 C545C
- Ch. V, The productivity of primary industry.
- 55542 DE GRAFF, H. Food and farming behind the Iron Curtain. N. Y. State Hort. Soc. Proc. 96:307-312. 1951. 81 N484
- 55543 FARCY, H. DE. Paysans du Lyonnais; la vie agricole dans la vallée de l'Yzeron. Lyon, Audin, 1950. 169 p. Ref. (Institut des Etudes Rhodaniennes de l'Université de Lyon. Mémoires et Documents, 5) 281.174 F22
- 55544 FARM production capacity to expand. Fed. Reserve Bank Chicago. Business Cond. 1951:7-9. Mar. 1951. 284.8 F31Ch
- 55545 FISHER, W. B. The Middle East; a physical, social, and regional geography. London, Methuen, 1950. 514 p. 278.185 F53
- Includes discussion of agriculture.
- 55546 FLORIDA. DEPT. OF AGRICULTURE. Reports on agricultural progress in Florida, 1950. Tallahassee, 1950. 122 p. 281.017 F663R
- 55547 FRANCE. COMITE INTERMINISTERIEL DE L'ALIMENTATION ET DE L'AGRICULTURE. Rapport annuel sur l'état de l'alimentation et de l'agriculture en 1949-1950. Paris, 1950. 216 p. 281.9 F842
- France and dependencies.
- 55548 FRANCE. CONSEIL DU PLAN DE MODERNISATION ET D'EQUIPEMENT. Report of the Commissioner General on the modernization and equipment plan of the French Union; 1947-1949 realizations and 1950-1952 objectives. Paris, 1950. 125 p. 280.9 F844Ree
- Agriculture, p. 80-86.
- 55549 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES. L'évolution de la situation économique mondiale en 1950. France. Inst. Natl. de la Statis. et des Etudes Econ. Etudes et Conjoncture, Econ. Mond. 6:3-35. Jan./Feb.1951. 280.9 F842
- Includes agriculture.
- 55550 FRANÇOIS, J. Le congrès de la Fédération Nationale des Syndicats d'Exploitants Agricoles (27-28 février 1951). Fiches Rur. 68:13-27. Apr.1951. 281.8 F44
- France.
- 55551 FREEMAN, O. W., ed. Geography of the Pacific. New York, Wiley, 1951. 573 p. 280 F873
- Contains references to agricultural subjects for which the index should be consulted.
- 55552 FREGOLA, C. The Chiana Valley. (In Italian.) Italia Agr. 88:138-142. Mar.1951. 16 It1
- Agricultural.
- 55553 FUMINSHA. Nogyo shingo jiten [Dictionary of new agricultural words]. Tokyo, 1950. 116 p. 30.1 F96

- 55554 GALLINAL HEBER, A. Enseñanzas de un rápido viaje a Nueva Zelandia. *Asoc. Rur. del Uruguay*. Rev. 78(2):10-21, 24-28. Feb. 1951. 9.9 As5
Touches upon agricultural problems.
- 55555 GRANGIER, B. Les visages de la Terre Lorraine. *Agr. Prat.* 115:191-193. Apr. 1951. 14 J82
Agriculture.
- 55556 GRUBER, H. Mit Gott ins neue Bauernjahr! *Kärntner Bauer* 101(1/2):4-6. Jan. 15, 1951. 19 K14
- 55557 GRUNSEIS, F. Der Marshall-Plan und die österreichische Landwirtschaft. *Austria. Bundesmin. f. Land- u. Forstwirtschaft. u. Adressb.* 1949:152-160. 1950. 19 Au72J
- 55558 GUILLAUME, M. Les moyens de mise en valeur; la vocation agricole de la Côte d'Ivoire. *Marchés Colon.* 7:1167-1169. Apr. 28, 1951. 286.8 M33
Includes agricultural policy and research.
- 55559 HALL, C. J. J. VAN, and KOPPEL, C. VAN DE, eds. *De landbouw in de Indische Archipel [Agriculture in the Indian Archipelago]. III. 's-Gravenhage, 1950. 756 p. Ref. 37 H14L*
- 55560 HARDING, T. S. A case history in agricultural aid. *Amer. J. Econ. & Sociol.* 10:314. Apr. 1951. 280.8 Am393
Government aid.
- 55561 HARRIS, J. Guide to New Zealand reference material and other sources of information. Ed. 2. n.p., *New Zealand Libr. Assoc.*, 1950. 114 p. 242.3 H24
Includes agriculture.
- 55562 HASHIMI, S. M. T. The six-year plan for the development of Pakistan. *Pakistan Econ. J.* 2(3):88-102. Mar. 1951. 280.8 P174
Includes agriculture.
- 55563 HAUGUM, O. Glimpses from agriculture in Western Europe. (In Norwegian.) *Landbrukstidende* 57: 163-166. Feb. 28, 1951. 11 L236
- 55564 HOFSTEE, E. W. Social aspects of agricultural policy. (In Dutch.) *Landbode* 4(50):14. Dec. 23, 1950. 12 L234
Netherlands.
- 55565 HUBBARD, G. D. Agriculture in Palestine. *Amer. J. Econ. & Sociol.* 10:247-268. Ref. Apr. 1951. 280.8 Am393
- 55566 HUNI, A. Swiss agriculture. *Agr. Econ. Soc. J. Proc.* 9:131-146. Mar. 1951. 281.9 Ag8
Includes discussion.
- 55567 HUTCHESON, T. B. Farm needs and opportunities in Piedmont northern Virginia. *Prog. Farmer, Carolinas-Va.* Ed. 66(4):16, 125. Apr. 1951. 6 P945
- 55568 HYLKEMA, M. K. L'année 1950 quel sort a-t-elle réservé à l'agriculture danoise? (In Dutch.) *Econ.-Statist. Ber.* 36:278-280. Apr. 11, 1951. 280.8 Ec722
French summary, p. 275.
- 55569 INDONESIA. MINISTERIES VAN HANDEL & INDUSTRIE EN VAN LANDBOUW. DIENST VAN DE BEVOLKINGSLANDBOUW. Agriculture of Sumatra, Borneo and East Indonesia as of July 1950. I-II. (In Dutch.) *Econ. Weekbl. v. Indonesië* 17:134-136, 150-151. Feb. 24-Mar. 3, 1951. 280.8 Ec76
- 55570 INSTITUTE OF INTERNATIONAL FINANCE. The economic position of Australia. N. Y. U. Inst. Internatl. Finance. B. 170, 36 p. Mar. 19, 1951. 284.9 In7
Includes agriculture.
- 55571 INTERNATIONAL SCIENTIFIC FILM ASSOCIATION. Man and his food; a discussion guide on twenty-five films with notes and questions; a UNESCO project. New York, Educ. Film Libr. Assoc., 1950. 45 p. 30 In82
Various aspects of agriculture.
- 55572 ISAZA, C. G. The future of Panama; the agricultural revolution. *United Nations World* 5(5):40-42. May 1951. 280.8 Un384
- 55573 IYENOHIKARI ASSOCIATION. Agricultural yearbook of Japan, 1950. (In Japanese.) Tokyo, 1951? 445 p. 22.5 Iy32A
- 55574 JAGGI, E. Selbsthilfe und staatshilfe in der Landwirtschaft. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. Geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. März 1951, p. 281-298. Brugg, 1951. 281 Un37
- 55575 JOHNSON, O. R., and others. Agriculture. In *Gist, N. P., ed. Missouri, its resources, people, and institutions*, p. 256-287. Columbia, 1950. 280.047 G44
L. A. Weaver, A. C. Ragsdale, H. L. Kempster, and T. J. Talbert, joint authors.
- 55576 JOLY, R. L. Ressources agricoles et production bananière du Cameroun. Marseille. Inst. Colon. Cahiers Colon. 34:121-123. Mar. 1951. 286.8 M35
- 55577 JOSEPH, G. Les étapes de la mise en valeur de la Côte d'Ivoire. *Marchés Colon.* 7:1111-1114. Apr. 28, 1951. 286.8 M33
Includes agricultural policy.
- 55578 KARRA, V. Five-Year Plan of development of national economy of Rumania. (In Russian.) *Vneshn. Torg.* 21(2):1-6. Feb. 1951. 286.8 F762
Includes agriculture.
- 55579 KASHIWA, K. Nogyo seisaku [Agriculture policy]. Tokyo, Asashi shinbunsha, 1950. 187 p. 281.183 K15
- 55580 KERVYN DE MEERENDRE, E. Brésil. B. Com. Belge 64(10):19-52. Oct. 25, 1950. 286.8 B41
Includes agriculture.
- 55581 KLATT, W. Progress of agricultural recovery in Germany. *Internatl. Conf. Agr. Econ. Proc.* (1949) 7: 202-213. 1950. 281.9 In82
Includes discussion.
- 55582 KRZYMOWSKI, R. Die agrargeographie. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. Geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. März 1951, p. 151-163. Brugg, 1951. 281 Un37
- 55583 KURIHARA, H. Nippon nogyo no kisei kezo [Basic construction of agriculture in Japan]. Tokyo, Chuei Koronsha, 1950. 434 p. 34.3 K962
- 55584 LEIMBACH, W. Die Sowjetunion: natur, volk und wirtschaft. Stuttgart, Franckh, 1950. 526 p. (Kleine Länderkunden) 278.179 L53
Includes agriculture.
- 55585 LEVI, U. Agricultural visit to the U. S. A. (In Hebrew.) *Hassadeh* 31:341-342. Apr. 1951. 26 H27
- 55586 LOCKARD, C. W. The place of agriculture in Canadian economy. *Canad. Farm Impl.* 47(3):90-92. Mar. 1951. 58.8 C163
- 55587 MACÍAS, P. E. Informe sobre las conferencias de agricultura y alimentación de Montevideo. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(64):40-44. Oct./Dec. 1950. 9.5 M31
- 55588 MILLER, P. E. Some first impressions of Irish agriculture. n.p., U. S. Econ. Coop. Admin. Mission to Ireland, 1950. 8 p. 173.2 M61
- 55589 MULLIE, G. Les rapports de l'agriculture et de l'activité professionnelle en Belgique. *Annu. Agr. et Hort.* (1950/51) 3:15-20. 1951. 13 An7
- 55590 PANTANELLI, E. Problemi agronomici del Mezzogiorno [Agricultural problems of the South]. Ed. 2. Faenza, Edizioni Agricole Bologna, 1950. 327 p. 281.176 P19
- 55591 PEREZ, R. Impresiones sobre el campo en la Provincia de Huelva. *Ceres [Valladolid] Sup. Inform.* 16(436):11, 13. Mar. 15, 1951. 15 C33
- 55592 PETIT-LAURENT, V. Notes de droit rural. *Fiches Rur.* 68:28-38. Apr. 1951. 281.8 F44
France.
- 55593 PFEIFFER, G. Strukturwandlungen und nachkriegs-probleme der wirtschaft der Niederlande. Kiel. U. Inst. f. Weltwirt. Kieler Studien 14, 87 p. 1950. 280.9 K54K
Includes agriculture.
- 55594 PLANK, G. M. V. D. Report of a trip to Israel. (In Dutch.) *Stamboeker* 33:23-24. Mar. 1, 1951. 43.8 V58
Chiefly on agriculture.
- 55595 RESTE, F. J. La Côte d'Ivoire et ses perspectives d'avenir. *Marchés Colon.* 7:1115-1117. Apr. 28, 1951. 286.8 M33
Includes agriculture and forestry.
- 55596 ROBERTS, H. L. Rumania; political problems of an agrarian state. New Haven, Yale U. Press, 1951. 414 p. 280.177 R54
- 55597 ROJAS HUNEEUS, F. Chile en su aspecto agrícola. *Campesino [Santiago]* 83(2):25-27, 29, 31-33, 35, 37, 39-41. Feb. 1951. 9.3 So12
- 55598 ROSSIN, M. Agricultural development in the Niger bend. *World Crops* 3:167-170. May 1951. 281.8 W892
- 55599 SAX, K. Biological resources as a factor in international understanding. *Sci. Mon.* 72:300-305. May 1951. 470 Sci23
Agricultural capacity of the world.
- 55600 SCHMAUDER. Die landwirtschaftlichen folgearbeiten werden wesentlich zur erfüllung des Fünfjahrplans beitragen. *Deut. Landwirt.* 2:211-213. Apr. 1951. 18 D4822
Russian Zone.
- 55601 SCHÖCK, A. L'économie de la Côte d'Ivoire. *Marchés Colon.* 7:1125-1129. Apr. 28, 1951. 286.8 M33
Includes a section on agricultural production.
- 55602 SCHWEIZERISCHER BAUERNVERBAND. Die schweizerische landwirtschaft im jahre 1950. Grüne 78:1425-1433. Dec. 29, 1950. 17 Sch9

- 55603 SHABAD, T. Geography of the USSR; a regional survey. New York, Columbia U. Press, 1951. 584 p. 278.179 Sh1
Includes agriculture.
- 55604 SHVETS, V. Achievements of Albanian People's Republic. (In Russian.) Vnesn. Torg. 21(2):7-12. Feb. 1951. 286.8 F762
Includes agriculture.
- 55605 SINGH, D. B. Agricultural legislation in recent years; development of agriculture. 3. India. Dir. Econ. & Statis. Agr. Situation India 6:29-36. Apr. 1951. 281.9 In23
- 55606 SOBRINO RINCÓN, A. La batalla de la producción agrícola. Valladolid, Ediciones Libertad, 1950? 71 p. 281.176 Sol
Statistical report covering State programs on agricultural conservation and related programs.
- 55607 SOME agricultural problems of Pakistan. Gt. Brit. & East 67(1816):30. (To be cont.) Apr. 1951. 286.8 N27
- 55608 SOUTH DAKOTA PMA STATE OFF. Annual report, 1949. Huron, 1950. 99 p. 1.956 A2So8
Similar report from Montana.
- 55609 SOVANI, N. V. Planning of post-war economic development in India. Gokhale Inst. Polit. & Econ. P. 22, 106 p. 1951. 280.9 G56
Includes food and agriculture.
- 55610 SPAIN. MAPA AGRONÓMICO NACIONAL. Hojas No. 354-355-383-384. Madrid, 1950. 239 p. 15 Sp15
Comarca de Zaragoza.
- 55611 SPARKMAN, J. J. Agriculture can produce still more. (Condensed.) Farm Policy Forum 4(4):17-21. Apr. 1951. 281.8 F2274
- 55612 SUNDBY, J. The year that passed and a look at the future. (In Norwegian.) Produsenten 19:3, 6, 16. Jan. 1951. 11 P94
Norwegian agriculture.
- 55613 SUPREME COMMANDER FOR THE ALLIED POWERS. NATURAL RESOURCES SECT. AGRICULTURE DIV. Agricultural technical assistance programs in Japan, 1945-50, by M. B. Williamson. Tokyo, 1951. 112 p. 281.183 Su72
- 55614 THIBODEAUX, B. H. Food and agriculture in the European Recovery Programme. Internatl. Conf. Agr. Econ. Proc. (1949)7:214-241. 1950. 281.9 In82
Includes discussion.
- 55615 TIBAU, A. O. Influence of the American Government in the development of agriculture in the United States. (In Portuguese.) Lavoura 55:16-18. Jan./Feb. 1951. 9.2 L39
- 55616 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. Review of economic conditions in Africa. n.p., 1951. 299 p. 280.19 Un3
Issued as a section of the preliminary version of the World Economic Report, 1949-50 (E/1910).
Includes agriculture.
- 55617 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. Review of economic conditions in the Middle East. Lake Success? 1951. 135 p. (United Nations. [Doc.] E/1910/Add.2) 280.185 Un32
Includes agriculture.
- 55618 UNITED NATIONS RELIEF AND REHABILITATION ADMIN. UNRRA; the history of the United Nations Relief and Rehabilitation Administration, prepared under the direction of G. Woodbridge. New York, Columbia U. Press, 1950. 3 v. 280.9 Un366 Uni
Includes agricultural relief.
- 55619 U. S. DEPT. OF AGRICULTURE. INTER-BUR. COMMITTEE ON AGRICULTURAL RESOURCES, NEEDS, AND POSSIBILITIES OF THE VIRGIN ISLANDS. Report on agricultural resources, needs, and possibilities of the Virgin Islands. Washington, 1950. 34 p. 1.90 C2In88
- 55620 U. S. INTERNATIONAL DEVELOPMENT ADVISORY BOARD. Partners in progress; a report to the President. Washington, 1951. 120 p. 173.3 In88
Includes agricultural policy.
- 55621 VAN CLEVE, R. Farming down Mexico way. Harvester World 42(4):8-11. Apr. 1951. 58.8 H26
58.8 H26
- 55622 WIELEN, H. G. W. V. D. Maintenance of the peasantry. I-III. (In Dutch.) Drents Landbbl. 32(13):5; (14):4; (15):4. Mar. 31-Apr. 14, 1951. 12 D812
Netherlands.
- Subsidies
- 55623 DOORME, H. Les subsides accordées par l'état et l'amélioration du cheptel bovin. Annu. Agr. et Hort. (1949/50)2:98-103. 1950. 13 An7
- 55624 FRASER, A. Cutting the coat! Young Farmer 19:89-90. Mar./Apr. 1951. 10 Y8
Food subsidies and cost of home-produced food in Great Britain.
- 55625 KERN, E. Der zuckersubventionsstreit zwischen der Industrie und dem Bundesernährungsministerium. Zucker- u. Süßwaren-Wirt. 3(21):3-6. Nov. 5, 1950. 286.86 Z3
Germany.
- ### COST AND STANDARD OF LIVING
- 55626 LIEBSCHER, H. Ausgedinge. Kärntner Bauer 101(1/2):13-14. Jan. 15, 1951. 19 K14
Cost of living.
- 55627 ROS MARINE, M. La cuestión social en el campo; plus de carestía de vida y salarios reglamentarios. Cóm. Ofic. Sind. Agr. de Barcelona. B. 6:3-4. Jan. 1951. 15 C14
Spain.
- 55628 SINGH, A., SINGH, J., and SINGH, G. Family budgets, 1948-49 of eighteen cultivators in the Punjab. East Punjab. Bd. Econ. Inq. P. 7.72 p. 1950. 281.9 Ea72
- ### FARM MANAGEMENT AND LAND ECONOMICS
- 55629 ALEKSANDROV, L. Efficiency of a machine-tractor station. (In Russian.) Mashinno-Traktornaya Sta. 10(11):5-11. Nov. 1950. 58.8 M11
Shishovskaya MTS.
- 55630 ANDERSON, W. J. Some observations on the use of the theory of the firm. Internatl. Conf. Agr. Econ. Proc. (1949)7:188-196. 1950. 281.9 In82
Includes discussion.
Farm management.
- 55631 BARLOWE, R. Use and sources of capital. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p. 307-339. Chapel Hill, U. N. C. Press, 1950. 282.002 R26
- 55632 BELIAEV, N. Preparation and training of collective farm managers. (In Russian.) Bol'shevik 27(5):61-67. Mar. 1951. 280.8 B633
- 55633 BLASCH, J. Die Stellung des Vereines für Technik in der Landwirtschaft (VTL) in der österreichischen landtechnik. Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahr- u. Adressb. 1949:246-250. 1950. 19 Au72J
- 55634 BLOHM, G. Angewandte landwirtschaftliche betriebslehre. Ed. 2, rev. Stuttgart, Ulmer, 1950. 394 p. 281.175 B62
- 55635 BLOHM, G. Die betriebsorganisation in der kleinbäuerlichen landwirtschaft. Kühn-Arch. 63:301-394. 1950. 105.8 H15Ku
Germany.
- 55636 BONOMI, P. Economic and social function of the direct cultivator farm. (In Italian.) Coltivatore 7(13):1. Apr. 1, 1951. 16 C722
Italy.
- 55637 CLAWSON, M. Uncle Sam's acres. New York, Dodd, Mead, 1951. 414 p. Ref. 282.12 C57
- 55638 COLMAN, W. R. What a Kansas farmer saw in Mexico. Kans. Farmer 88(6):38-39. Mar. 17, 1951. 6 K13
- 55639 DIAGNOSIS and pathology of peasant farming. Internatl. Conf. Agr. Econ. Proc. (1949)7:18-63. 1950. 281.9 In82
Addresses by G. Medici, M. R. Benedict, A. W. Ashby, von Dietze, A. Huni, G. Solmssen, J. F. Booth, M. L. Dantwala, M. Bandini, A. Date, G. Minderhoud, and G. Proni.
- 55640 DOANE, D. H. Good farm management essential. Feed Bag 27(4):15, 87-89. Apr. 1951. 389.78 F32
- 55641 DRIEHAUS, K. Zum artikel "Das Kernproblem der Betriebsplanung" von Dr. Kampe. Deut. Landwirt. 2:101-103. Feb. 1951. 18 D4822
Russian Zone.
- 55642 ELBÉ, D. M'Baik, une plantation d'hévéas en Afrique Equatoriale Française. Rev. Gén. du Caoutchouc 28:150-152. Mar. 1951. 305.8 R32
English summary, p. 183.
- 55643 ELLIOTT, R. A. Grass farming. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:48-50. Apr. 1951. 281.8 Am32
Problems of management and costs.
- 55644 FIRBANK, T. I bought a mountain. Boston, Page, 1950. 255 p. 32 F51
Sheep farming in Wales.

- 55645 FLORENT'EV, L., and BOCHKAREV, I. Organizational and economic management of consolidated collective farms (Practices of consolidated farms of Kuznetsk District, Penza Region). (In Russian.) *Sotsialist. Sel'sk. Khoz.* 21(12):42-54. Dec.12,1950. 281.8 So73
- 55646 GALILEE, M. The plantations of western Galilee. (In Hebrew.) *Hassadeh* 31:282-283. (Cont.) Mar.1951. 26 H27
- 55647 GARMAN, C. G. How can we make more money growing fruit in 1951. *N. Y. State Hort. Soc. Proc.* 96:13-18. 1951. 81 N484
- 55648 GILMAN, W. Old farms can use new ideas. *East. States Coop.* 27(5):13. May 1951. 280.28 Ea7
- 55649 GOWLAND, R. W. Whither now? *Amer. Soc. Farm Mgr. & Rur. Appraisers J.* 15:3-4. Apr.1951. 281.8 Am32
- American Society of Farm Managers and Rural Appraisers.
- 55650 GROTE, R. Umstellung eines Betriebes nach heutigen Erfordernissen. *Landwirtsch. Weser-Ems* 98:318-319. Apr.12,1951. 18 L2345
- Management.
- 55651 GUNINA, L. N. Velikaya sila kolkhoznogo strofa [The great power of the collective farm system]. *Iaroslavl', Iaroslavskoe Obl. Gos. Izd-vo*, 1950. 19 p. 281.179 G952
- Achievements of Krasnyi Kollektivist Collective Farm.
- 55652 HARWOOD, L. W. Observations on indigenous systems of agriculture. *Fiji. Dept. Agr. Agr. J.* 21:3-9. Mar./June 1950. 25 F47Ag
- 55653 HOSMER, O. H. Deming FFA expands eight sheep into 50-acre irrigated farm project. *N. Mex. Stockman* 16(4):42-43,45. Apr.1951. 49 N462
- 55654 HUNT, G. Farming in Alaska. *Amer. Farm Youth* 17(1):44-45. Mar.1951. 6 Am393
- 55655 HURD, A. A farming experiment. *Country Life [London]* 109:486,489. Feb.16,1951. 80 C83
- Management.
- 55656 ITO, T. Noseigaku gairon [Outline of science of agricultural administration]. Tokyo, Yokendo, 1950. 295 p. 281.183 It6
- 55657 KALTIO, M. J. Farming without livestock. (In Swedish.) *Lantarbetgivaren* 1951(1):10-15. Feb.1951. 20 L292
- 55658 KANTYSHEV, I. E. Voprosy ekonomiki zernovykh sovkhov [Economic problems of grain producing state farms]. Moskva, Gosplanizdat, 1950. 170 p. 281.179 K13V
- 55659 KAZANTSEV, N. D., and RUSKOL, A. A., eds. *Kolkhoznoe pravo [Collective farm law]*. Moskva, Vsesoiuznyi Institut Iuridicheskikh Nauk, 1950. 366 p. 30.5 K18
- Moskovskii Iuridicheskii Institut, cooperating.
- 55660 KRISHNASAMY, O. R. Co-operative farming. *Madras J. Coop.* 42:361-365. Jan.1951. 280.28 M26
- 55661 LANDESS, W. M. Our big little farm. *Land* 10:67-69. Spring 1951. 279.8 L22
- Tennessee.
- 55662 LANGEN, V. Heu im intensiven zuckerrüben-betrieb? *Neue Mitt. f. die Landwirt.* 6:214-215. Apr.7, 1951. 18 N39
- As cattle feed.
- 55663 LEONARTZ, F. A., ed. *Der praktikus; handbuch für den praktischen landwirt.* Ed. 7, rev. Essen, Girardet, 1950. 526 p. 30.3 L82
- 55664 LINDBOM, E. Start keeping sheep! (In Swedish.) *Lanthemmet* 2:19-20. Jan.13,1951. 281.28 L29
- Farm management.
- 55665 LONG, W. H. Reducing costs of agricultural production in a high-cost area. *Internatl. Conf. Agr. Econ. Proc.* (1949)7:280-298. 1950. 281.9 In82
- Includes discussion.
- Great Britain.
- 55666 LOVE, H. C., and COOLIDGE, J. H. Making your farm pay. *Kans. State Col. Agr. Ext. C.* 226,19 p. Dec.1950. 275.29 K13Ex
- 55667 LUNNY, V. The hobby farmer. *Canad. Busi-ness* 24(4):46-47,130,132. Apr.1951. 287 C162
- 55668 MILNE, R. S. M. Intensive farming; advice to the young farmer. *Scot. Agr.* 30:215-219. Spring 1951. 10 Sco82So
- 55669 MITCHELL, G. S. Mountain farming laid out plain. *Land* 10:65-66. Spring 1951. 279.8 L22
- Proposed program.
- 55670 MORALES, J. O., KEEPPER, W. E., and GOMEZ Q., F. Estudio económico de fincas cafeteras. *Tierra [México]* 6:157-159,180-181. Mar.1951. 8 T445
- 55671 NEW ZEALAND. DEPT. OF MAORI AFFAIRS. Annual report for the year ended 31st March, 1950. Wellington, 1950. 24 p. 282.9 N482
- Data on land programs and settlement.
- 55672 NIELSEN, E. P. Farmers' production problems. *Massey Agr. Col. Dairyfarming Annu.* 3:18-23,25-27,29,31-33,35-39. Nov.1950. 44.9 M382
- Includes discussion.
- Dairy farm management.
- 55673 PEASANT farming in Northern Rhodesia. *New Commonwealth* 21:492-496. Apr.1951. 280.8 C88
- 55674 PEFFER, E. L. The closing of the public domain; disposal and reservation policies 1900-1950. *Stanford U. Food Res. Inst. Misc. P.* 10,372 p. 1951. 389.9 F73
- 55675 PENDERS, J. M. A. Profitable farming on the small farm. (In Dutch.) *Boer en Tuinder* 5(218):3. Mar. 24,1951. 12 B632
- Management in the Netherlands.
- 55676 PETRIČEVIĆ, J. Die beurteilung der betriebs-erfolges in der landwirtschaft unter verschiedenen wirt-schaftssystemen. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.319-340. Ref. Brugg, 1951. 281 Un37
- Farming under capitalism, communism, and national socialism.
- 55677 PREUSCHEN, G. Landwirtschaftliche betriebslehre. Frankfurt/Main, Lutzeyer, 1950. 248 p. 281.175 P922
- 55678 PURSER, R. Farming on an island; at the eastern end of Lake Ontario, Wolfe Island has fine farming land, but lack of transportation is a handicap. *Fam-ily Herald & Wk. Star* 82(15):7,19. Apr.12,1951. 7 F21
- 55679 RAUCHENSTEIN E. Status and trends in farm management research in the United States. In *Schweize-risches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.109-123. Brugg, 1951. 281 Un37
- 55680 RIES, L. W. Die arbeit in der landwirtschaft. Ed. 2, rev. Stuttgart, Ulmer, 1950. 504 p. 30 R44
- 55681 RITTERSHAUS, W. Landwirtschaftlicher terminkalender. *Kärntner Bauer* 101(1/2):17-18. Jan.15, 1951. 19 K14
- 55682 ROBERTSON, L. S., and WOODS, R. H. Farm business management; ed. by R. W. Gregory. Rev. ed. Philadelphia, Lippincott, 1951. 546 p. Ref. (Agr. Mangt. Ser.) 281.12 R54
- 55683 ROBINSON, D. H. The new farming. Ed. 2. London, Faber and Faber, 1951. 234 p. Ref. 30 R56
- 55684 RUTTER, J. E. Your society. *Amer. Soc. Farm Mgr. & Rur. Appraisers J.* 15:79-80. Apr.1951. 281.8 Am32
- 55685 RYSER, W. Betriebswirtschaftliche probleme in der schweizerischen viehaufzucht. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p.341-368. Ref. Brugg, 1951. 281 Un37
- 55686 SCHIETHART, L. J. The anonymous corpora-tions for the working of country estates. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:74-80. Mar.1951. 12 N282
- 55687 SCHLIPF, J. A. Schlipf's praktisches hand-buch der landwirtschaft. Ed. 30, rev. by M. Zimmermann Berlin, Parey, 1950. 511 p. 30 Sch3P
- 55688 SERGEEV, S. S. Organizatsionno-khozfaï-stvennoe ukreplenie kolkhozov i ukрупnenie melkikh sel'skokhozfaïstvennykh arteleï [Organizational and economic strengthening of collective farms and consoli-dation of small agricultural artels]. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 189 p. 281.179 Se630
- 55689 STEDEN, A. Betriebswirtschaftliche organisa-tion der landwirtschaftsförderung. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949:256-261. 1950. 19 Au72J
- 55690 STEDEN, A. Die landwirtschaftlichen betriebsformen der bundesländer Burgenland, Steiermark und Kärnten. *Bodenkultur* 4:486-510. 1950. 19 B635
- 55691 STEPHENS, P. R. Farming in Canterbury. *New Zeal. J. Agr.* 82:15-23,25-26. (Cont.) Jan.15,1951. 23 N48J
- Deals with the period 1900-1920.
- 55692 STUART, A. Farming in Southland. *New Zeal. Grassland Conf. Papers* 12:8-16. 1950. 60.19 N48
- 55693 TERIAEVA, A. Organizational and economic strengthening of the united collective farms. (In Russian.) *Voprosy Ekon.* 1950(12):21-33. Dec.1950. 280.8 V89

55694 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Interior Department appropriations for 1952. Hearings, 82d Cong., 1st sess., pt. 1. Washington, 1951. 826 p.

Includes the Bureau of Land Management and the Bureau of Reclamation.

55695 U. S. CONGRESS. HOUSE. COMMITTEE ON PUBLIC LANDS. A program to strengthen the scientific foundation in natural resources; a supplemental report to accompany hearings on H.R. 6257 and H.R. 6900. Washington, 1950. 104 p. (81st Cong. 2d Sess. House Doc. No. 706) 279.12 Un34P

Includes soil mapping program of the Bureau of Plant Industry, Soils, and Agricultural Engineering, and cadastral surveys by the Bureau of Land Management.

55696 VAN STADEN, J. F. Farming on the banks of the Orange; immense scope for great variety of crops in soil that is incredibly fertile. *Farmer's Wk.* [Bloemfontein] 80:10-11, 13, 15. Mar. 21, 1951. 24 F225

55697 WILCOX, W. W. Recent legislation of interest to farm managers. *Amer. Soc. Farm Mgr. & Rur. Appraisers J.* 15:75-76. Apr. 1951. 281.8 Am32

55698 WILD, L. J. Making country life more attractive. *Massey Agr. Col. Dairyfarming Annu.* 3:77-79, 81, 83-84. Nov. 1950. 44.9 M382

Farming as an occupation.

55699 WRIGHT, S. J. Increasing the agricultural productivity of Pakistan. (Extr.) *New Commonwealth* 21: 489. Apr. 1951. 280.8 C88

Farming methods and possibilities of mechanization.

Bookkeeping and Records

55700 BARON, D. R. Keeping records for Ontario's dairy farmers. *Farmer's Mag.* 48(3):9, 57, 63, 66-67. Mar. 1951. 7 C165

55701 BARTLETT, J. E. But I can't farm without the office. *Dairy Farmer* 24(5):22-23. May 1951. 44.8 D1414

Accounting on a dairy farm.

55702 FORENINGEN AF JYDSKE LANDBOFORENINGER. REGNSKABSUDVALG. Landbrugsregnskaber fra Jydske Regnskabskredse 1949-50 [Farm accounts from Jutland Accounting Districts, 1949-50]. Aarhus, 1950. 205 p. 11 F76

55703 ROSSEK, F. Aufbau und auswertung der land- und forstwirtschaftlichen buchführung in Österreich. Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahr- u. Adressb. 1949:250-256. 1950. 19 Au72J

55704 SPAHR, L. Wirtschaftsvoranschlag. Zella/Rhön, Hofmann, 1950? 42 p. 30.61 Sp1

A farm record book.

55705 SPENCER, L. H. Farm accounts and taxation. *Massey Agr. Col. Dairyfarming Annu.* 3:115-117, 119-121, 123-129. Nov. 1950. 44.9 M382

New Zealand.

55706 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Farm record analysis, central Washington, 1950. Wash. State Col. Ext. Mimeog. 1001, 2 p. 1951? 275.29 W27Mi

Costs and Returns

55707 BAKER, R. H. Costs of producing milk in Ohio, 1945-46. Ohio. State U. Abs. Doct. Diss. 59:19-24. 1950. 241.8 Oh3

55708 BARON, D. R. Livestock; lower costs aim of livestock men. *Farmer's Mag.* 48(3):58-59. Mar. 1951. 7 C165

Canada.

55709 BENTIVOGLIO, A. Cost of milk production. (In Italian.) *Avvenire Agr.* 59:95-96. (To be cont.) Apr. 1951. 16 Av9

Italy.

55710 BRATTON, C. A. Yates County young farmers balance their 1950 farm accounts. *N. Y. Agr. Col. A. E.* 773, 13 p. Apr. 1951. 281.9 C81

Costs and returns.

55711 BROUGHTON, A. Should you shift to grade A? *Wis. Agr. & Farmer* 78(8):4. Apr. 21, 1951. 6 W751

Costs and returns of producing grade A milk.

55712 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Fresno County grape management study, by R. A. Break and B. B. Burlingame. Berkeley, 1951? 13 p. 275.29 C12En

Chiefly costs and returns.

55713 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Orange County avocado production cost analysis, by W. Sullivan. Berkeley? 1951? 11 p. 275.29 C12En

55714 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 rabbit management study, Los Angeles County, by A. T. Dietz and W. Sullivan. Berkeley? 1951? 6 p. 275.29 C12En

Income and expenses.

55715 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Twenty third annual Sacramento poultry management study, 1950, by A. D. Reed, J. T. Peterson, and E. R. Temperli. Berkeley? 1951? 14 p. 275.29 C12En

Chiefly costs and returns.

55716 CAMPBELL, J. D. Economic aspects of machine harvesting cotton in Oklahoma; the present costs, and future prospects. *Okla. Agr. Expt. Sta. B. B-364*, 15 p. Apr. 1951. 100 Ok4

55717 DESMOND, L. J. Hybrid corn accounting. Urbana, 1950. 23 p. (Ill. U. Col. Com. & Business Admin. Business Mgmt. Serv. B. No. 404) 59.22 D46

55718 DU PLESSIS, C. VAN H. Where does the farmer make his money? Analysis of agricultural returns. (In Afrikaans.) *Landbouweekblad* 32(1657):17, 41. Apr. 18, 1951. 24 L232

Union of South Africa.

55719 HEUSER, O. E. Die landwirtschaftlichen produktionskosten. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:507-508. Apr. 5, 1951. 18 L2346

55720 HOOGENDOORN, J. Paying poultry keeping requires lower production costs. (In Dutch.) *Boer en Tuinder* 5(218):9. Mar. 24, 1951. 12 B632

Netherlands.

55721 HÜNI, A. Die produktionskostenberechnung in der landwirtschaft. In *Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur*, 27. märz 1951, p. 255-280. Brugg, 1951. 281 Un37

55722 KUHLMAN, G. W. Some filbert facts from the nut-cost study, 1949. *Oreg. State Hort. Soc. Proc.* 65: 138-141. 1950. 81 Or32

55723 MITCHELL, J. Grassland farming in operation. *Amer. Soc. Farm Mgr. & Rur. Appraisers J.* 15:51-52. Apr. 1951. 281.8 Am32

Costs and returns.

55724 NODLAND, T. R., HADY, F. T., and POND, G. A. Costs and returns from poultry. *Minn. U. Div. Agr. Econ. Mimeog. Rpt.* 187, 9 p. Feb. 1951. 281.9 M66

55725 PATAC DE LAS TRAVIESAS, L. El costo de los productos del olivar y sus industrias derivadas. Madrid, Sindicato Vertical del Olivo, 1950. 277 p. 281.3947 P27

55726 SAVAGE, Z. Cost and return relationships. *Citrus Mag.* 13(9):28-29. May 1951. 80 C498

55727 SCHÜTTAUF, W. Zu teure agrarproduktion? *Deut. Milchhandels-Ztg.* 73:179-180. Mar. 30, 1951. 44.8 D48

55728 SIRRI, A. Bring up calves on skimmed milk. (In Italian.) *Avvenire Agr.* 59:102-103. Apr. 1951. 16 Av9

Costs and returns aspects of using milk for feed rather than for cheese production in Italy.

55729 SMITS, C. New Zealand, the land with the low production costs. (In Dutch.) *Nederland, Heidemaatsch. Tijdschr.* 62:118-119. Apr. 1951. 12 N282

55730 STAHL, W. Die selbstkosten eines ferkels. *Deut. Landwirt.* 2:43-45. Jan. 1951. 18 D4822

55731 WASSENAAR, T. Stability of the farming industry. (In Afrikaans.) *Landbouweekblad* 32(1656):9, 11. Apr. 11, 1951. 24 L232

Costs and returns.

55732 WELDON, E. G. Some queries on costings. *Brit. Goat Soc. Ybk.* 1951:17, 19-20. 40.19 B77

55733 WINTER, T. Farm costs of milk production on North Country farms, 1949-50. *King's Col. Farm Econ. Br. Rpt. M.* 32, 17 p. Feb. 1951. 281.3449 K61R

Land Settlement and Colonization

55734 BANADOS V., S. La provincia de Aysen. *Agrario* 15(419):9-10. Dec. 1950. 9.3 Ag85

Prospects for settlement.

55735 CARACAS. INSTITUTO AGRARIO NACIONAL. Turén. Caracas, 1950. 24 p. 282.2 C17

Land settlement.

55736 ILANI, B. On the programme of the new smallholder settlements. (In Hebrew.) *Hassadeh* 31: 298-299. Mar. 1951. 26 H27

55737 MERCHÁN MERCHÁN, F., and LÓPEZ SANTAMARÍA, F. Colonización y parcelaciones. Badajoz, Iberia, 1950. 283 p. 282.2 M53

55738 MONTERO Y GARCIA DE VALDIVIA, J. Un proceso legislativo interesante; desde la transformación en regadío como empresa capitalista hasta su implantación como un deber social. Spain. Inst. Nac. de Colon. I. N. C. P. 4(20), 46 p. 1950. 280.9 Sp11

Land settlement.

55739 SPENCER, M. N. The Union Pacific Railroad Company's utilization of its land grant, with emphasis on its colonization program. Nebr. U. Abs. Doct. Diss. 1950: 124-127. 241.8 N28

Land Tenure

55740 AEBI, E. Der pächterstand und seine stellung in der schweizerischen landwirtschaft. In Schweizerisches Bauernsekretariat. Festschrift zum 80. geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur, 27. märz 1951 p.369-386. Brugg, 1951. 281 Un37

55741 ALVAREZ MERINO, M. Subarriendo de fincas rústicas. Agr. Buralgés 18(195):11-12. Mar.1951. 15 Ag86

55742 ANADÓN PINTÓ, R. Los arrendamientos de pastos y las hermandades de labradores y ganaderos. La Junta Provincial de Fomento Pecuario. Lérida Ganad. (ser.3)120:198-207. Oct.1950. 41.8 L56

55743 ARTHUR, I. W., and TIMMONS, J. F. Keep leases up with new farming methods. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:115-116. Feb.1951. 275.28 Io94

55744 BANDINI, M. The reform laws and their conception. (In Italian.) Agr. Ital. 2(1/2):31-32. Jan.1/15, 1951. 16 Ag822

Agrarian reform.

55745 BATHURST, M. E. Infeasibility of registered titles: a comparative study. Cambridge. U. Abs. Diss. 1948/49:76-77. 1950. 241.8 C14

55746 BOGART, W. T. The Vermont lease lands. Montpelier, Vt. Hist. Soc., 1950. 457 p. Ref. 282.087 B63

55747 BROUGHTON, A. Tenants, landlords: best to "bury the hatchet." You can get along if you both give a bit; a contract will help. Wis. Agr. & Farmer 78(7):4. Apr.7, 1951. 6 W751

55748 BRUNELLI, P. The small peasant property in the Province of Parma. (In Italian.) Avvenire Agr. 59:82-89. Apr.1951. 16 Av9

55749 BRUNO, R. Aspects of the development of the agrarian reform in Asiatic countries: India-China-Japan. (In Italian.) Agr. Ital. 2:130-133. Mar.1, 1951. 16 Ag822

55750 CASTELLINI, C. Il contratto di pascipascolo nella Campagna romana; suoi precedenti storici e sua natura giuridica [The grazing lease in the Roman Campagna, its historic precedents and legal nature]. Milano, Giuffrè, 1950. 66 p. (Università di Roma. Pubblicazioni dell' Istituto di Diritto Agrario, 8) 282.176 C27

55751 DANILEVICH, M. Struggle of Latin American peasantry against imperialist oppression and feudal reaction. (In Russian.) Voprosy Ekon. 1950(12):51-67. Dec.1950. 280.8 V89

Land reform.

55752 DONA DALLE ROSE, A. Agrarian reform and sugar beet culture in the South. (In Italian.) Agenzia Romana Note e Inform. Agr. 1951(20):6-7. Mar.23, 1951. 281.8 Ag3

55753 ESHUIS, J. A. Grosszügige zusammenlegung von grundstücken westliches Maas-und Waalgebiet. Wasser u. Boden 2:163-166. Aug.1950. 56.8 W28

55754 FELCOURT, DE. Le fonds agraire. Acad. d'Agr. de France. Compt. Rend. 37:73-75. Jan.24/31, 1951. 14 P215Bc

In relation to the agrarian reforms in Europe after World War I.

55755 GHOSH, A. A note on the marginal and the optimum size of holding in Bengal. Sankhyā 10:383-386. Nov.1950. 251.8 In2

55756 HASEL. Wald und bodenreform in Baden. Allg. Forst- u. Jagdztg. 122:96-100. Ref. Feb.1951. 99.8 AL3

55757 HOFFSOMMER, H., and PEDERSEN, H. The problem and the region. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.3-96. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55758 HOFFSOMMER, H. Summary and conclusions. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.402-432. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55759 HOLSHEIMER, W. A. O. Some provisions in the preliminary tenant law which deviate from or never were included in the 1941 resolution. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 61:267-271. Sept.1950. 12 N282

55760 HURD, A. The problem of farm rents. Country Life [London] 109:717. Mar.9, 1951. 80 C83

55761 ITALY. LAWS, STATUTES, ETC. L'equo affitto dei fondi rustici; estratto coordinato delle disposizioni vigenti, aggiornato con la legge 15 luglio 1950, n. 505, con breve commento [Fair rent for farms; coordinated extracts from provisions in force, up to the law of July 15, 1950, No. 505, with brief commentary], by A. G. Rossi. Milano, Pirola, 1950. 19 p. 282.176 It1E

55762 KAZANTSEV, N. D. Change in agrarian relations of the Chinese People's Republic on the basis of the 1950 law. (In Russian.) Akad. Nauk SSSR. Izv. Otd. Ekon. i Prava. 1951:108-122. 280.9 Ak1

55763 LAFORET, H. La repartition de la propriété foncière en Italie. Soc. des Agr. d'Algérie. B. 93:249-265. July 1950. 24 Sol

55764 LAND tenure in Pakistan. Karachi Com. 3(54): 3-4. Dec.16, 1950. 280.8 K14

55765 LAVRUCHENKO, M. The struggle of the peasantry of capitalist countries for land and peace. (In Russian.) Bol'shevik 27(5):41-52. Mar.1951. 280.8 B633

55766 LEE, S. C. Agrarianism and social upheaval in China. Amer. J. Sociol. 56:511-518. May 1951. 280.8 Am3

Movement for land reform.

55767 LIVERSAGE, V. The evolution of land tenure. Agr. Econ. Soc. J. Proc. 9:115-130. Mar.1951. 281.9 Ag8

Includes discussion.

History.

55768 LOVKOV, IA., and GUMEROV, M. Consolidation of small collective farms and the work of machine-tractor stations. (In Russian.) Sovsk. Sel'sk. Khoz. 21(12):32-41. Dec.12, 1950. 281.8 So73

55769 LUERSSEN, H. Pachtverträge mit wert-versicherungsklauseln. Landwirtsch. Weser-Ems 98:301. Apr.5, 1951. 18 L2345

55770 MAGLIANO, A. The law on expropriation and the future of transhumant sheep breeding. (In Italian.) Riv. di Zootec. 24:12-14. Jan.1951. 49 R52

55771 MAGRIN, P. Cooperation and land reform. (In Italian.) Agr. Ital. 2:111-112. Mar.1, 1951. 16 Ag822

55772 MAMI, G. Arrangement of associations for the land reform. (In Italian.) Glor. di Agr. 61:101. Apr.1, 1951. 16 It1G

Reclamation and other societies in Italy.

55773 MORICI, F. Agrarian reform in Sicily and policy of land improvement. (In Italian.) Glor. di Agr. 61:98. Apr.1, 1951. 16 It1G

55774 MURRI, F. The Somalian latifundium. (In Italian.) Affrica 6:90. Mar.1951. 280.8 Af2

55775 OYLER, M. D. Community and institutional factors in tenure. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.361-401. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55776 OYLER, M. D. Tenure and family status. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.119-136. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55777 PATHER, P. R. "Seventy years of frustration and unhappiness"; an examination of land and trading rights as they affect Indians in Natal and Transvaal, and a criticism of the Group Areas Act, 41 of 1950. Durban, So. African Indian Organ., 1950. 42 p. 282.193 P27

55778 PEUX, B. La réforme du régime foncier. Marchés Colon. 7:1139, 1144. Apr.28, 1951. 286.8 M33

French Colonies.

55779 RAMSEY, R. J. Factors related to changes in tenure status. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.137-166. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55780 RAMSEY, R. J. Leasing arrangements and landlord-tenant relationships. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.167-199. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55781 REED, J. J. Impacts of Federal programs on tenure. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.340-360. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55782 REGIONAL LAND TENURE RESEARCH PROJECT. The social and economic significance of land tenure in the Southwestern States, edited by H. Hoffsommer. Chapel Hill, U. North Carolina Press, 1950. 666 p. 282.002 R26

55783 ROSSI-DORIA, M. Considerations on agrarian reform in Italy. Internatl. Conf. Agr. Econ. Proc. (1949) 7:299-314. 1950. 281.9 In82

Includes discussion.

55784 SCHWARZACHER, F. Die bodenbesitzverteilung in Österreich. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb. 1949:166-169. 1950. 19 Au72J

55785 SOLBERG, E. D. Legal aspects of land tenure and farm credit. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.225-306. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55786 SOPHIAN, T. J. Notice to quit. Estate Mag. 51:102. Mar.1951. 10 Es8

Court decision regarding termination of tenancies of farms in Great Britain.

55787 SOUTHERN, J. H. Land tenure and soil conservation. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.200-224. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55788 STOVER, H. J. Tenure and farm organization. In Regional Land Tenure Research Project. The social and economic significance of land tenure in the Southwestern States, p.97-118. Chapel Hill, U. N. C. Press, 1950. 282.002 R26

55789 TIMMONS, J. F., ARTHUR, I. W., and CHRYST, W. E. What rent for your farm? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:147-149. Apr.1951. 275.28 Io94

55790 TURNER, W. L., and others. Better living for landowners and tenants. N. C. Agr. Col. Ext. C. 359, 12 p. Mar.1951. 275.29 N811

C. B. Ratchford, H. B. James, G. W. Forster, P. E. Gordon, J. C. Powell, and E. Van Landingham, joint authors.

55791 U. S. FARMERS HOME ADMIN. Analysis of farm ownership program, White County, Arkansas and recommended adjustments in farming systems and practices for upland areas of the State. Washington? 1950? 6 p. 1.949 An1

55792 VOLQUARDSEN, J. V. Von der inneren kolonisation zur agrarreform in Schleswig-Holstein. Wasser u. Boden 2:132-139. July 1950. 56.8 W28

55793 WARMBOLD, H. C. Reformas agrarias recomendadas para Chile. Agrario 15(419):6-7. Dec.1950. 9.3 Ag85

55794 WEL, R. A. VAN. Reallocation of land in the Waarland and Sloopgaard polders. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 61:253-260. Sept.1950. 12 N282

55795 YOHE, R. S. European view on an age old question: Who should own the land? Prairie Farmer, Gen. Ed. 123(6):6. Mar.17,1951. 6 P883

Land Utilization

55796 FOTEEV, S. Problems in organization of territory on cotton-growing collective farms. (In Russian.) Sotsialist. Sel'sk. Khoz. 21(12):24-31. Dec.12, 1950. 281.8 So73

Land utilization.

55797 MANN, J. C. W. Acquisition of land. Scot. Farmer 59:362. Jan.20,1951. 10 Sco8

Land utilization in Scotland.

55798 SUGAL, S. Kokudo no kaihatu [Exploitation of land]. Tokyo, Kokin Shoin, 1950. 192 p. 282.183 Su3

55799 WHEELER, J. H., JR. Land use in Greenbrier County, West Virginia. Chicago, 1950. 180 p. Ref. (Chicago. U. Dept. Geog. Res. Paper No.15) 282.095 W56

Land Values and Valuation

55800 AMERICAN SOCIETY OF FARM MANAGERS AND RURAL APPRAISERS. RANGE APPRAISAL COMMISSION. Ranch appraisals. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:29-39. Apr.1951. 281.8 Am32

55801 BAILEY, R. R. How much increased yields shall be recognized from new soil treatments in permanent productivity. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:44-47. Apr.1951. 281.8 Am32

In making appraisals.

55802 BOERENDONK, M. J. Farm appraisal. Internatl. Conf. Agr. Econ. Proc. (1949)7:253-267. 1950. 281.9 In82

Includes discussion.

55803 HUFF, E. E. Bigger farms pay more rent per acre so they're worth more. Farmer-Stockman 54(4):13. Apr.1951. 6 Ok45

55804 HURLBURT, V. L. Buying of farms in Story County, Iowa, 1940-48. Iowa. Agr. Expt. Sta. Res. B. 377: 981-1015. Dec.1950. 100 Io9

55805 MUNTER. Klima, standort, zuckerrüben und einheitswerte. Landwirtbl. Weser-Ems 98:253-254. Mar. 22,1951. 18 L2345

In connection with land valuation.

55806 MURRAY, W. G. Land valuation and credit in the United States. Internatl. Conf. Agr. Econ. Proc. (1949)7:268-279. 1950. 281.9 In82

Includes discussion.

55807 MURRAY, W. G. Large increase in land values in 1950. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:117-118. Feb.1951. 275.28 Io94

Iowa farm land values.

55808 ROTHKEGEL, W. Geschichtliche entwicklung der bodenbonitierungen und wesen und bedeutung der deutschen bodenschätzung. Stuttgart, Ulmer, 1950. 147 p. 281.175 R74G

55809 SCHUELER, M. W. How much increased yields shall be recognized from new soil treatments in permanent productivity. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 15:40-43. Apr.1951. 281.8 Am32

In making appraisals.

55810 WILLNER. Nochmals: klima, standort, zuckerrüben und einheitswerte. Landwirtbl. Weser-Ems 98:321-322. Apr.12,1951. 18 L2345

Land appraisal problems.

POPULATION

55811 COMMONWEALTH BANK OF AUSTRALIA. The impact of immigration. Sydney, Commonwealth Bank of Australia, 1950. 20 p. 280.1992 C73

55812 GASC, P. Fécondité urbaine et rurale mesurée par les naissances ramenées au domicile. France. Inst. Natl. de la Statis. et des Etudes Econ. B. Mens. de Statis. Sup. (n.s.) 1950:342-370. Oct./Dec.1950. 260 St22B

55813 GT. BRIT. CENSUS OFF. Census of England & Wales, 1931. General report. London, Stationery Off., 1950. 197 p. 256 C333G

Contains figures for rural population.

55814 HOFSTEE, E. W. Agriculture and migration. (In Dutch.) Econ-Statist. Ber. 35:1024-1026. Dec.20,1950. 280.8 Ec722

Netherlands.

55815 JEHLIK, P. J. Iowa loses more farm people. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:124-126. Feb.1951. 275.28 Io94

55816 MILBANK MEMORIAL FUND. Modernization programs in relation to human resources and population problems; papers presented at a round table at the 1949 annual conference of the Milbank Memorial Fund, November 16-17, 1949. New York, 1950. 153 p. 449.9 M5822

Contains papers relating to agricultural population.

55817 NOTESTEIN, F. W. The reduction of human fertility as an aid to programs of economic development in densely settled agrarian regions. In Milbank Memorial Fund. Modernization programs in relation to human resources and population problems, p.89-100. New York, 1950. 449.9 M5822

55818 PROBST, E. Wie besettigen wir die leutenot auf dem lande? Bauern Ztg. 4(14):1-2. Apr.6,1951. 18 B324

Rural exodus in Germany.

55819 ROWE, J. Z. New Mexico's population continues to increase. N. Mex. Agr. Col. Ext. News 31(3):3. Mar.1951. 275.29 N463Ex

55820 TAEUBER, C. Utilization of human resources in agriculture. In Milbank Memorial Fund. Modernization programs in relation to human resources and population problems, p.61-76. New York, 1950. 449.9 M5822

55821 VAN DER MERWE, J. P. The wife of the migrating farmer. (In Afrikaans.) Landbouweekblad 32 (1656):50-51. Apr.11,1951. 24 L232

Union of South Africa.

55822 ZWAHLEN, P. W. H. Emigration possibilities for nurserymen. (In Dutch.) Vakbl. v. de Bloemisterij 6: 73. Mar.9,1951. 80 V22

RURAL SOCIAL ORGANIZATION

55823 BENGEL, U. My life in Germany. Wash. State Col. Ext. Mimeog. 962,3 p. Mar.1951. 275.29 W27M1

55824 BENSUSAN, S. L. Quiet evening. Illustrated by J. Rickarby. London, Blandford Press, 1950. 300 p. 281.2 B44Q

Rural life.

55825 CARPENTER, W. T. A social studies course for the agricultural classes of Napier Boys' High School. Lincoln Col. Rur. Educ. B. 6:18-22. Mar.1951. 109 C162

55826 HAMILTON, LADY C. On a farm in Kenya; a happy life in a beautiful countryside. *African World* 1951: 21. Apr.1951. 286.8 Af8

55827 LEIBFRIED, E. Kriegsopferversorgung und Landwirtschaft. *Württemb. Wchnbl. f. Landwirt.* 118:66-67. Jan.27,1951. 18 W96

Social legislation for people who suffered injuries and losses in the war.

55828 LEWIS, E. In country places. *London, Country Life*, 1951. 110 p. 281.2 L583

Rural life in Wales.

55829 MARY PETER, SISTER. Farm reunions. *Land* 10:70-72. Spring 1951. 279.8 L22

55830 MENDES SOBRINHO, O. T. Social problems of the rural zone. (In Portuguese.) São Paulo Supt. dos Serv. do Café. B. 26:7-20. (To be cont.) Jan.1951. 68.29 Sa63

55831 PATRONS OF HUSBANDRY. NATIONAL GRANGE. PUBLIC RELATIONS DEPT. Everybody wins through community service. *Washington*, 1950. 20 p. 280.12 P2752

Contest sponsored in cooperation with the Sears-Roebuck Agricultural Foundation.

55832 SALVADOR Y ASCASO, J. M. El campo de la historia en la historia del campo; la vida rural en las Geórgicas de Virgilio. *Saragossa. Cám. Ofic. Sind. Agr. B. Mens.* 34:17. Mar.1951. 15 Sa7

55833 SUZUKI, E. Nihhon noson shakai-gaku yoron [Elements of sociology of farm-village in Japan]. Tokyo, Jichosha, 1950. 265 p. 281.2 Su9

Human Ecology

55834 BROWNELL, B. The human community; its philosophy and practice for a time of crisis. *New York, Harper*, 1950. 305 p. Ref. 280.12 B813

Includes rural life.

55835 GUTHEIM, F. A. Planning for the future in the Potomac River Basin. *Washington, Interstate Com. Potomac River Basin*, 1950. 7 p. 292 G98

55836 MARTIN, R. LeFlore County [Oklahoma] built its profit making pastures by community action. *Farmer-Stockman* 54(5):12,38-39. May 1951. 6 Ok45

55837 MARTIN, R. Neighborhood contest produces real changes in rural Oklahoma. *Farmer-Stockman* 54(5):8-9,16-17,37. May 1951. 6 Ok45

Institutions

55838 ALLEN, A. B. Rural education. II. The country school; being on account of the Endowed School, Great Haseley, Oxfordshire. *London, Allman & Son*, 1950. 143 p. 281.2 AL53

55839 ANDERSON, C., and others. Today's home builds tomorrow's world. *Washington information kit, Home Demonstration Week*, 1951. Wash. State Col. Ext. Mimeog. 1008, unpag. Apr. 11, 1951. 275.29 W27M1

A. J. Erickson, A. Bond, and D. Fairbanks, joint authors.

55840 ASSOCIATION OF COLLEGE AND REFERENCE LIBRARIES. AGRICULTURAL LIBRARIES SECT. Report on the policies and programs of the United States Department of Agriculture Library. n.p., 1951. 18 p. 243.5 As7

55841 BALACHOWDIAH, B. A. The economic basis of cottage and small industries in India. *Mysore Agr. J.* 26:46-50. Jan.1951. 22 M992

55842 BARCLAY, A. The manufacture of woad. *Country Life [London]* 109:1188-1189. Apr.20,1951. 80 C83

55843 BASS, B. C. Organizing and storing teaching materials. *Agr. Educ. Mag.* 23:256. May 1951. 275.8 Ag8

55844 BATES, G. H. Gaining practical experience. 1. Apprenticeship schemes. *Young Farmer* 19:85,87. Mar./Apr.1951. 10 Y8

England.

55845 BAUMGARTEN, O. Deutsche Akademie der Landwirtschaftswissenschaften. *Deut. Landwirt.* 2:57. Feb.1951. 18 D4822

55846 BRISTOL, B. Selecting books. *Agr. Educ. Mag.* 23:255. May 1951. 275.8 Ag8

55847 CACCIAGUERRA, J. Le bureau central de documentation. *Agriculture [Paris]* 15:87. Mar.1951. 14 Ag823

France.

55848 CANTERBURY AGRICULTURAL COLLEGE. Annual review for year ending 30th June 1950. *Christchurch*, 1950. 68 p. 109 C162A

55849 CAZALY, C. A. A high school farm operated as a commercial unit. *Agr. Educ. Mag.* 23:249. May 1951. 275.8 Ag8

55850 CLARK, R. M. Observations on use of school farms in Michigan. *Agr. Educ. Mag.* 23:248,250. May 1951. 275.8 Ag8

55851 CLÉMENT, L. Le premier concours général agricole d'après-guerre. *Culture* 27:9-10,13-15. Mar. 1951. 14 C894

France.

55852 DAUZAT, A. La vie rurale en France, des origines à nos jours. Ed. 2. Paris, Presses Universitaires de France, 1950. 134 p. ("Que Sais-je?" Le Point des Connaissances Actuelles, 242) 281.174 D26

The peasantry.

55853 DEVOE, E. T. Country auction; these sales are big social events as well as serious business propositions. *Pa. Farmer* 144:314-315. Apr.14,1951. 6 P383

55854 DILWORTH, B. P. Improving instruction through equipment and facilities. *Agr. Educ. Mag.* 23:257. May 1951. 275.8 Ag8

55855 FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 report. Gainesville, 1951? 91 p. 275.29 F66A

55856 FOCARILE, C. The 53d International Agricultural and Horse Fair. (In Italian.) *Agr. Ital.* 2:127-129. Mar.1,1951. 16 Ag822

55857 GALLOWAY, R. E., HOUSER, P. M., and HOFFE SOMMER, H. Community aspects of library planning. *Md. Agr. Expt. Sta. B. A-56.32 p.* Mar.1951. 100 M36S

55858 GALLOWAY, R. E., and KAUFMAN, H. F. Health practices of rural people in Lee County. *Miss. Agr. Expt. Sta. Sociol. & Rur. Life Ser.* 1,13 p. Dec.1950. 281.29 M693

55859 GARDNER, E. M. The craft of the flint grinder. *Country Life [London]* 109:1374. May 4,1951. 80 C83

55860 GOLDENBAUM, E. Die deutschen bauern in vergangenheit und gegenwart. Berlin, Deutscher Bauernverlag, 1950. 152 p. 33.27 G562

55861 GUILLOUX, R. Comment former une élite rurale marocaine? *Inform. Marocaine* 5:4:1,4. Apr.7, 1951. 281.8 In3

Education.

55862 HAAS, K. B., and PACKER, H. Q. Preparation and use of audio-visual aids. Rev. and enl. ed. *New York, Prentice-Hall*, 1950. 327 p. 275 H11

55863 HALL, D. M. Is your committee percolating? *Ext. Serv. Rev.* 22:38,43. Mar.1951. 1 Ex892Ex

Extension work.

55864 HARRINGTON, L., and HARRINGTON, R. Plaster models aid science; used for educational purposes, these fake plants look good enough to eat but lack the proper flavor and texture. *Family Herald & Wk. Star* 82(18):7,11. May 3,1951. 7 F21

55865 HIDALGO, E. Lucha antihidatrica (del Ministerio de Salud Pública y Asistencia Social). *Soc. Rur. Argentina. An.* 85:15-17. Jan.1951. 9 S01

55866 HOFER, M. Die brücke der generationen; gedanken zur absolvententagung der Landwirtschaftsschulen Mittelkärntens. *Kärntner Bauer* 101(1/2):6-7,12-13. Jan.15,1951. 19 K14

55867 HOLMES, K. L. New opportunities for rural radio. *Town & Country Church* 71:1-2. May 1951. 281.28 T66

Religious programs.

55868 HOVENS, J. Build to meet needs. *Agr. Educ. Mag.* 23:250. May 1951. 275.8 Ag8

55869 HUGHES, L. H. The Mexican Cultural Mission programme. Paris, 1950. 77 p. (United Nations Educ. Sci. and Cult. Organ. Monog. on Fundamental Educ., 3) 281.2 H873

Publication No. 637 of the United Nations Educational, Scientific and Cultural Organization.

Includes agricultural education.

55870 JUSTIN, M. M. The responsibility of the family in today's world. *Wash. State Col. Ext. Mimeog.* 795,7 p. 1950. 275.29 W27M1

55871 KREBS, A. H. Counseling during the emergency; specific suggestions of value in working with farmers and future farmers. *Agr. Educ. Mag.* 23:252-253. May 1951. 275.8 Ag8

55872 LEACH, C. A. Free doctoring for goatkeepers! *Dairy Goat J.* 29(5):5-6. May 1951. 40.18 M592

Japan encourages dairy goat keeping.

55873 LEITCH, A. Where handicrafts build homes. *Canad. Geog. J.* 42:234-236. May 1951. 470 C162

Newfoundland and Labrador.

- 55874 LOREEN, C. O. Classroom facilities for vocational agriculture. *Agr. Educ. Mag.* 23:246,250. May 1951. 275.8 Ag8
- 55875 LUQUE, J. A. Nueva orientación de la enseñanza primaria rural. *Charla Rur.* 149:26-27. Mar.1951. 9 C37
Argentina.
- 55876 MCKAY, G. R. How to use visual aids equipment. *Better Farming Methods* 23(4):24,26-27. Apr. 1951. 58.8 B46
- 55877 MARTIN, F. Spring—and the migrants. *Educ. Leadership* 8:394-398. Apr.1951. 275.8 Ed85
Educational and health services for migrants and their children in Michigan.
- 55878 MEL'NIKOV, L. Party organizations of the consolidated collective farms. (In Russian.) *Bol'shevik* 27(4):50-58. Feb.1951. 280.8 B633
- 55879 MERGEN, H. Der berufsweg des jungen bauern u. landwirts. *Landwirt. Wehnl. f. Westfalen u. Lippe* 108A:432-433. Mar.22,1951. 18 L2346
Education.
- 55880 MORRAYE, C. La Foire Internationale de Gand et l'agriculture. *Annu. Agr. et Hort.* (1949/50)2:9-10. 1950. 13 An7
- 55881 MUKSCH, L. Die organisation des kulturell-technischen dienstes in Holland. *Bodenkultur* 4:518. 1950. 19 B635
- 55882 MUTUALIDAD PROVINCIAL AGRARIA DE BURGOS. SECCIÓN DE ACCIDENTES DE TRABAJO. Memoria correspondiente al año 1950. *Agr. Buralés* 18(196):4-10. Apr.1951. 15 Ag86
- 55883 MUTUALIDAD PROVINCIAL AGRARIA DE BURGOS. SECCIÓN DE ENFERMEDAD. Memoria año 1950. *Agr. Buralés* 18(196):1-3. Apr.1951. 15 Ag86
- 55884 OCHSE, J. J. Illiteracy and the point four program. *Turrialba* 1:124-125. Jan.1951. 8 T86
Education in extension programs.
- 55885 OLIVERO BLANCO, C. A. Normas generales que rigen las presentaciones ante la administración nacional. *Indus. Lech.* 33:71-72,74,100. Feb.1951. 44.8 In26
Directions for writing letters and making requests to the Argentina Ministry of Agriculture.
- 55886 PETTARIN, T. Technical aid at the base of improvement of rural life. (In Italian.) *Agr. Ital.* 2:113-114. Mar.1,1951. 16 Ag822
Education and other services.
- 55887 PHIPPS, L. J. Questions and answers preparing boys for vo-ag contests. *Better Farming Methods* 23(4):18,20,22. Apr.1951. 58.8 B46
- 55888 PRAGER, B. Farm people return to school. *Farmer's Mag.* 48(3):11,53-54. Mar.1951. 7 C165
Rural community schools in Ontario.
- 55889 PRIDE of the Ozarks; deserving backhill youngsters attend a remarkable high school. *Harvester World* 42(4):15-18. Apr.1951. 58.8 H26
School of the Ozarks, Point Lookout, Missouri.
- 55890 PUBLICATION RESEARCH SERV., CHICAGO. An independent farm publication study of the Iowa Farm and Home Register. *Des Moines?* 1950. 80 p. 238.2 P962
- 55891 RAO, S. S. Health organization in Mandya District. *Mysore Agr. J.* 26:40,45. Jan.1951. 22 M993
- 55892 RENNEY, A. J. Some aspects of rural and agricultural education in Canada. *Toronto*, 1950. 181 p. (Toronto. U. Ontario Col. Educ. Dept. Educ. Res. Educ. Res. Ser., No. 21) 275.1 R29
- 55893 RICHTER, J. Foreign agriculture needs a world-wide extension service. *Better Farming Methods* 23(4):14,16-17. Apr.1951. 58.8 B46
- 55894 ROESLER, E. How to plan evening for farmers sound program, refreshments both important. *Feed Bag* 27(4):39. Apr.1951. 389.78 F32
- 55895 ROLFE, A. W. New York farmers take a step in the right direction. *West. Grower & Shipper* 22(6):20. May 1951. 280.38 W52
Use of radio in agricultural public relations.
- 55896 ROMERO, G. Las iniciativas industriales en las zonas agrícolas. *Paraguay. Min. de Econ. Cart. Agropecuaria* 144/146:39-45. Oct./Dec.1950. 9.7 Ec72
Paraguay.
- 55897 SEEGMILLER, K. L. Government as county officials see it. *Ext. Serv. Rev.* 22:37,44. Mar.1951. 1 Ex892Ex
The Extension Service and its relationship to county government.
- 55898 SILVEIRA, G. G. DA. Teaching the alphabet to the rural man. (In Portuguese.) *Lavoura* 55:14-15. Jan./Feb.1951. 9.2 L39
Brazil.
- 55899 SKROKA, K. H. Von berufskrankheiten in molkereien. *Molk.-Ztg.* 5:214. Mar.1,1951. 44.8 M735
- 55900 SMITHFIELD SHOW AND AGRICULTURAL MACHINERY EXHIBITION. Official catalogue, 1949. *London*, 1950. 296 p. 10 Sm6
- 55901 THE SPREAD of industry into rural areas. *Internatl. Conf. Agr. Econ. Proc.* (1949)7:130-165. 1950. 281.9 In82
Addresses by R. G. Tugwell, M. Tofani, L. H. Bean, L. Loewe, M. Rolles, Sir M. Nanavati, M. R. Benedict, J. F. Duncan, M. Zawadzki, H. Laforêt, and K. Skovgaard.
- 55902 STANGEL, W. L. Division of Agriculture at Texas Tech; technical courses in all phases of farming qualify students to assume responsible positions or take over ranch. *Cattleman* 37(12):20,40. May 1951. 49 C29
- 55903 U. S. EXTENSION SERV. It's the way you serve people; public relations tips for county extension agents, by L. A. Schlup. *Washington*, 1950. 8 p.-folder. 1.913 I2H6
- 55904 U. S. EXTENSION SERV. Plain cues for better [radio] interviews. *Washington*, 1951. 2 p. 1.913 A2P696
- 55905 U. S. EXTENSION SERV. Values of home demonstration work, by Mrs. C. Pritchard. *Washington*, 1951. 4 p. 1.913 H2V24
- 55906 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Contests—their educational function in project work. *Wash. State Col. Ext. Mimeog.* 759,1 p. 1951? 275.29 W27Mi
- 55907 WASHINGTON. STATE COLLEGE. EXTENSION SERV. For every child a fair chance toward developing a healthy personality; pamphlets for parents, youth, study groups and community leaders. *Wash. State Col. Ext. Mimeog.* 1018,3 p. Apr.1951. 275.29 W27Mi
- 55908 WASHINGTON. STATE COLLEGE EXTENSION SERV. Our common job. *Wash. State Col. Ext. B.* 449,34 p. Mar.1951. 275.29 W27P
Papers presented by E. V. Ellington, B. L. Orell, W. Johnson, J. E. White, P. C. McGrew, W. H. Mann, W. Duffy, W. W. Johnson, and J. C. Knott at the Annual Conference of the Agricultural Extension Service, Pullman, Dec.15, 1950, on the theme: How the Extension Service can help us and how we can help the Extension Service.
- 55909 WHITE, H. P. Cow country classroom; the dust bowl hit hard, but ranch folks at Clayton, N. M., kept improving their school. *West. Live Stock* 36(8):12-13,65-69. Mar.1951. 49 W523
- 55910 WIEGERS, G. W., JR. Learning through magnetic recordings. *Agr. Educ. Mag.* 23:254-255. May 1951. 275.8 Ag8
- 55911 WINDISCH, H. Hygiene und wir. *Landarb.-Arch.* 6:48-54. Feb.1951. 283.8 L23
Sanitation for the Austrian farmer.
- 55912 WOSSENG, H. G. Die landwirtschaftliche fachliteratur und der Fünfjahrplan. *Deut. Landwirt.* 2:179-180. Apr.1951. 18 D4822
Russian Zone of Germany.
- 55913 WURZ, K. Aufgaben und bedeutung der landwirtschaftskammern vor und nach dem zweiten weltkrieg. *Austria. Bundesmin. f. Land- u. Forstwirt. Jahr- u. Adressb.* 1949:264-271. 1950. 19 Au72J
- 55914 ZHUKOV, K. On party-political work at machine-tractor stations. (In Russian.) *Bol'shevik* 27(5):53-60. Mar.1951. 280.8 B633

Leadership

- 55915 JONES, G. Points for discussion leaders. *Wash. State Col. Ext. Mimeog.* 963,1 p. 1951? 275.29 W27Mi
- 55916 MCKEE, K. L. 4-H leaders serve! by helping boys and girls in clubs throughout Arizona. *Prog. Agr. Ariz.* 3:4. Apr./June 1951. 6 P9452
- 55917 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Score card for judging recreation leadership. *Wash. State Col. Ext. Mimeog.* 1006,1 p. Apr.12,1951. 275.29 W27Mi

Rural Organizations and Movements

- 55918 AGRICULTURAL co-operation and the modern state. *Internatl. Conf. Agr. Econ. Proc.* (1949)7:64-129. 1950. 281.9 In82
Addresses by A. W. Ashby, V. Visocchi, L. Loewe, B. Natarajan, A. C. Richmond, O. Schiller, L. J. Norton, K. Skovgaard, J. Hespel, D. R. Bergmann, W. E. Cave, F. Grunsels, A. Calloway, D. B. Williams, and A. Date.
- 55919 AGRICULTURAL CO-OPERATIVE ASSOCIATION. Co-operation in agriculture in 20 questions. *London*, 1950. 8 p., folder. 280.2 Ag83

55920 ANDERSON, W. A. Farmers' associations in Taiwan; a report to the Joint Commission on Rural Reconstruction, Economic Cooperation Administration Mission to China. Taipeh, 1950. 70 p. 173.2 Ec72Faa

55921 BELGISCHE BOERENBOND. Le Boerenbond Belge, soixante ans d'activité, 1890-1950, by P. Vanderdael. Louvain, 1950. 129 p. 280.29 B632B

55922 BOENIG, T. Bauern aus West und Ost an einem Tisch. Deut. Landwirt. 2:113-114. Mar. 1951. 18 D4822

On the conference of the Gesamtdeutscher Arbeitskreis für Land- und Forstwirtschaft.

55923 BONOMI, P. The Federation of Direct Cultivators at the present political and economic moment. (In Italian.) Agr. Ital. 2:109-110. Mar. 1, 1951. 16 Ag822

55924 BUHLE. Warum bäuerliche berufsorganisation? Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:623-624. Apr. 26, 1951. 18 L2346

55925 CANADIAN FEDERATION OF AGRICULTURE. The Canadian Federation of Agriculture. Rev. ed. Ottawa, 1951. 21 p. 281.9 C166

55926 CRAWFORD, L. A. Farmer cooperatives in a war economy. Nulaid News 28(11):15-15, 39-40. Apr. 1951. 47.8 N917

55927 DURTSCHI, E. Möglichkeiten und Grenzen der genossenschaftlichen Tätigkeit. In Schweizerisches Bauernsekretariat. Festschrift zum 80. Geburtstag von Professor Dr. phil. und Dr. h. c. Ernst Laur, 27. März 1951, p. 219-237. Brugg, 1951. 281 Un37 Switzerland.

55928 GARMAN, C. G. Where do we go from here? N. Y. State Hort. Soc. Proc. 96:59-66, 262-265. 1951. 81 N484

Includes discussion.

Western New York Apple Growers Association.

55929 GARNETT, G. AFBF—farmers' voice on international affairs. Nation's Agr. 26(5):8-9, 19. May 1951. 280.82 B89

55930 GERMANY (FEDERAL REPUBLIC, 1949-) MINISTERIUM FÜR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Statistik über ländliche Genossenschaften in der Bundesrepublik. Frankfurt/Main, 1950. various pagings. 280.2 G313

55931 GIMENO, J. M. Hacia una reforma de la ley de cooperación. Cooperación [Madrid] 109:8-9. (To be cont.) Mar. 1951. 280.28 C7875 Spain.

55932 GRAY, L. C. Where co-operation first took root. Farmer's Advocate & Home Mag. 86(3397):6, 32-33. Apr. 26, 1951. 7 F22

55933 INTERNATIONAL LABOR ORGANISATION. REGIONAL CONFERENCE FOR THE NEAR AND MIDDLE EAST, TEHERAN, 1951. Co-operative organization. Geneva, 1950. 77 p. (Its Rpt. 2) 280.2 In842 Includes agricultural cooperatives.

55934 LAMOUR, P. Les idées de la C.G.A. [Confédération Générale d'Agriculture] font leur chemin. Bas-Rhin. Agr. 6:133-134. Mar. 24, 1951. 14 B29

55935 LARUE, W. C. Where all agencies worked together. Prog. Farmer, Carolinas-Va. Ed. 66(4):15, 128. Apr. 1951. 6 P945

The Rockingham County (N. C.) Agricultural Workers.

55936 LEWIS, T. Agricultural co-operation: the need for economic and technical education. Agr. Econ. Soc. J. Proc. 9:95-114. Mar. 1951. 281.9 Ag8

Includes discussion.

Great Britain.

55937 LUZ FILHO, F. Additions to the history of the Brazilian cooperative movement. (In Portuguese.) Lavoura 55:29-32. Jan./Feb. 1951. 9.2 L39

55938 MUNOZ GRANDES, F. La cooperación agrícola en 1950. Cooperación [Madrid] 107/108:12-14. Jan./Feb. 1951. 280.28 C7875 Spain.

55939 NANAVATI, SIR M. B. The progress of co-operation in Indian agriculture. Internatl. Conf. Agr. Econ. Proc. (1949)7:335-345. 1950. 281.9 In82

55940 RAJA, P. S. K. Progress of co-operation in the Andhra Desa. Madras J. Coop. 42:367-377. Jan. 1951. 280.28 M26

55941 RATIR, A. Co-operation in Kridhla. Cyprus. Dept. Coop. Co-op. Cyprus 21:15-16. Mar. 1951. 280.29 C99C

55942 ROBINSON, J. L. 4-H program with cooperatives. Ext. Serv. Rev. 22:36, 43. Mar. 1951. 1 Ex892Ex

55943 SCHOBEL, A. Landwirtschaftliches Genossenschaftswesen in England. Bodenkultur 4:511-514. 1950. 19 B635

55944 SCHOR. Aufgaben und Arbeit der Deutschen Bauernsiedlung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:485. Mar. 29, 1951. 18 L2346

55945 SCHUMY, V. Die Entwicklung des landwirtschaftlichen Genossenschaftswesens. Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahr- u. Adressb. 1949:276-282. 1950. 19 Au72J

55946 U. S. EXTENSION SERV. A suggestion for National 4-H Club Week, March 3-11, 1951, highlighting the 1951 - 4-H defense mobilization program. Washington, 1951. 2 p. 1.913 F3Su342

55947 VALKO, L. Co-ops behind the Iron curtain. III. Coop. Digest 11(10a):12. Apr. 15, 1951. 280.28 C7896

Includes farm cooperatives.

55948 VASQUEZ, E. "Today for you, tomorrow for me." Americas 3(5):20-23. May 1951. 150.9 Am34 Cooperation in a Peruvian Indian community.

55949 VERITY, D. J. Jamaica Agricultural Society, institution which has rendered great service. Empire Prod. 322:31-32. Mar./Apr. 1951. 286.8 Em7

55950 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Agree-disagree questions on 4-H contests and awards. Wash. State Col. Ext. Mimeog. 753, 1 p. 1951? 275.29 W27Mi

55951 WASHINGTON. STATE COLLEGE. EXTENSION SERV. 4-H enrollment procedure. Wash. State Col. Ext. Mimeog. 760, 1 p. Jan. 1951. 275.29 W27Mi

55952 WASHINGTON. STATE COLLEGE. EXTENSION SERV. A 4-H service of dedication. Wash. State Col. Ext. Mimeog. 999, 2 p. 1951? 275.29 W27Mi

55953 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington State 4-H Club constitution. Wash. State Col. Ext. Mimeog. 986, 3 p. 1951? 275.29 W27Mi

55954 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington State 4-H policies effective Jan. 1, 1951. Wash. State Col. Ext. Mimeog. 758, 3 p. Jan. 1951. 275.29 W27Mi

55955 ZEZZOS, R. Excursions into Roman history; ancient agricultural corporations. (In Italian.) Allevatore 7(8):7. Feb. 25, 1951. 49 AL55

55956 ZUCCHINI, I. The 4-H Clubs. (In Italian.) Humus 7(3):27. Mar. 1951. 16 H88

RURAL SOCIAL PSYCHOLOGY

55957 BRIGGS, V. How do you rate as a parent? Kans. State Col. Agr. Ext. L. 7, 4 p.-folder. June 1950. 275.29 K13Le

55958 BRIGGS, V. My child and me. Kans. State Col. Agr. Ext. L. 8, 4 p.-folder. Dec. 1950. 275.29 K13Le

55959 PRYKE, W. J. Farming discussion groups. Milk Indus. 31(10):70-72. Apr. 1951. 44.8 M593 Great Britain.

55960 WILSON, C. M. Farmers [in U. S. S. R.] will stop communism. Prog. Farmer, Tex. Ed. 66(4):17, 118. Apr. 1951. 6 T311

TRADE, FOREIGN AND INTERNATIONAL

55961 AMARAL, J. D. Portuguese fruits and horticultural products in Brazil. (In Portuguese.) Portugal. Junta Nac. das Frutas. B. 10:224-308. Second Q. 1950. 286.3939 P83

English summary.

55962 AUSTRALIA. DEPT. OF COMMERCE AND AGRICULTURE. TRADE PROMOTION SECT. Commodities subject to export control as at the 1st January, 1951. Melbourne, 1951. 42 p. 286.9 Au74

55963 BACON, L. Europe's east-west trade in food—a statistical note. Foreign Agr. 15:78-82. Apr. 1951. 1.9 Ec7For

55964 BERGENDOL, G. Les vins et alcools français en Suède. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-vie. B. 36:9-11. Jan. 1951. 390.9 F843

55965 BLAKE, R. W. Great Britain agrees to pay more for Australian butter, cheese and eggs. Foreign Trade 9:706. Apr. 28, 1951. 286.8 C162

55966 BOSES, C. F. El momento actual y las perspectivas de la exportación de aceitunas. Inform. Com. Españ. 209:72-73. Jan. 1951. 286.8 In3

55967 BRUHLMANN, J. Der Import von Gartenbauzeugnissen im Jahre 1950. Gärtnermeister 54:57. Feb. 22, 1951. 80 G1939

Import of ornamental plants to Switzerland.

- 55968 BURTON, G. L. Some aspects of Canada's international trade in farm products. Internatl. Conf. Agr. Econ. Proc. (1949)7:242-252. 1950. 281.9 In82
Includes discussion.
- 55969 BUSER, H. Liegen die ursachen des erschweren absatzes der schweizer eier wirklich beim importeur? Geflügelhof 14:124. Feb.23,1951. 47.8 G276
- 55970 BUTTERWORTH, C. E. Egypt seeking new suppliers to fill wheat requirements. Foreign Trade 9: 630-633. Apr.21,1951. 286.8 C162
- 55971 CALZECCHI-ONESTI, A. Fruit and vegetable exports in serious difficulty because of the German crisis. (In Italian.) Glor. di Agr. 61:113-114. Apr.15,1951. 16 It1G
Italy.
- 55972 CRAGGS, V. H. How Southern tobaccoists spread U. S. tobacco at ports and factories of world. Tobacco [New York] 132(16):135. Apr.19,1951. 286.89 T552
- 55973 DES COURTILS. L'importance des exportations de viande pendant l'année 1950. Acad. d'Agr. de France. Compt. Rend. 37:166-170. Feb.21/28,1951. 14 P215Bc
- 55974 DUNN, R. P., JR. Foreign markets. Cotton Res. Cong. Proc. 11:33-36. 1950. 72.9 C825
- 55975 ETTINGER, J. Experiments in the export of vegetables. (In Hebrew.) Hassadeh 31:322-324. Apr. 1951. 26 H27
- 55976 GILLIES, F. Market trends in the poultry industry. Victorian Poultry J. 37(7):9,11,13. Feb.1,1951. 47.8 V662
Australian export trade in poultry and eggs.
- 55977 GUERCHY, J. DE. Les échanges: le commerce extérieur. Marchés Colon. 7:1251-1253,1255. Apr.28, 1951. 286.8 M33
Ivory Coast.
- 55978 HAISMA, J. P. Entrepreneurs and services for seed potato export. I. (In Dutch.) Friesch Landbbl. 48:173. Mar.16,1951. 12 F91
- 55979 HALPERN, D. B. European East-West trade and the United Kingdom's food supply. Econ. J. 61:102-122. Mar.1951. 280.8 Ec72
- 55980 HAMM, H. A. Elerimport als spiegelbild deutscher aussenhandelspolitik. Deut. Wirtgeflügelzucht. 3:283. Mar.17,1951. 47.8 D483
- 55981 HJELTNES, A. What are the policies of the vegetable importers? (In Norwegian.) Gartneryrket 41: 220-221. Mar.31,1951. 80 G1938
Norway.
- 55982 ICELAND. HAGSTOFA. Verzlunarskýrslur arid 1948. External trade 1948. Reykjavik, Prentad i Ríkisprentsmidjunni Gutenberg,1950. 123 p.
257.12 H12V
Captions, some tables and table of contents also in English.
- 55983 INDIA. DEPT. OF COMMERCIAL INTELLIGENCE AND STATISTICS. Annual statement of the sea-borne trade of India with the British Empire and foreign countries for the fiscal years ending 31st March, 1947 and 1948. v. I. Delhi,1950. 927 p. 269.5 St2Aa
- 55984 INSTITUTO BRASILEIRO DE GEOGRAFIA E ESTATISTICA. LABORATORIO DE ESTATISTICA. Index numbers of the quantities of principal products in certain economic fields during the 1935-1948 period. (In Portuguese.) Rev. Bras. de Estatís. 11:301-322 Apr./June 1950. 251.8 R322
Includes figures for trade in agricultural products.
- 55985 LEON, G. Le commerce des agrumes algériennes. Voix des Colons 33(1603):1-2. (Concl.) Apr.9, 1951. 24 V85
- 55986 MUÑOZ LINARES, C. El aceite de oliva en la balanza comercial de los principales países productores. Madrid,Sindicato Vertical del Olivo,1950. 77 p.
307 M922
- 55987 MURTHA, K. T. Foreign trade big feature at Lake City, South Carolina's growing leaf market. Tobacco [New York] 132(16):138,156. Apr.19,1951. 286.89 T552
- 55988 PETSCHKE. L'organisation européenne des marchés agricoles. France. Min. de l'Agr. B. d'Inform. (n.s.)158:A. Jan.15/22,1951. 281.9 F843
- 55989 REICHMANN, A. Landwirtschaft und aussenhandel. Austria. Bundesmin. f. Land- u. Forstwirt. Jahr-u. Adressb. 1949:261-264. 1950. 19 Au72J
- 55990 ROSSI, C. Exportation to the dollar area. (In Italian.) Laniera 65:11,13,15. Jan.1951. 45.8 B63
Italy.
- 55991 ROTTENSTEN, J. Danish export problems. I-II. (In Danish.) Dansk Landbr. 70:125-126,140-141. Mar.15-22,1951. 280.28 V91
Agricultural products.
- 55992 SAITO, M. Japan wants U. S. tobaccos right now but there are economic troubles, too. Tobacco [New York] 132(16):18,66. Apr.19,1951. 286.89 T552
- 55993 SANTOS, J. N. DOS. General aspects of foreign trade. I. Cape Verde. (In Portuguese.) Portugal. Agência Geral das Colón. B. Geral das Colón. 26(309):62-75. (Cont.) Mar.1951. 264 Ag3
Includes agricultural products.
- 55994 SCHOLTE, VAN. Urgent demand for U. S. leaf in Holland; usual dollar stringency retards sales. Tobacco [New York] 132(16):61,129. Apr.19,1951. 286.89 T552
- 55995 SEBELIN, C. Abfertigungsbedingungen der pflanzenbeschau für kartoffelexporte. Kartoffelwirtschaft 4:10-12. (Concl.) Jan.12,1951. 286.83 K14
- 55996 SMALL, C. J. Germany replaced Great Britain as market for Dutch eggs last year. Foreign Trade 9:681-682. Apr.28,1951. 286.8 C162
- 55997 SOL PAGAN, A. La industria sedera española y sus posibilidades de exportación. Inform. Com. Españ. 210:200-205. Feb.1951. 286.8 In3
Text in English, p. 227-229.
- 55998 TABASSO, E. Dollar value of textile exports. (In Italian.) Laniera 65:105,107,109,111. Feb.1951. 45.8 B63
Italy.
- 55999 THIELE, R. Aktuelle fragen der zuckereinfuhr. Zucker- u. Süsswaren-Wirt. 3(22):3. Nov.20,1950. 286.86 Z3
Germany.
- 56000 TYSSER, H. F. International fruit trade. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 5(15):7. Apr.13,1951. 286.28 V22
- 56001 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Castor beans: exports from specified countries, averages 1935-39 and 1940-44, annual 1945-1950. Washington,1951? 1 p. 1.943 C276
- 56002 U. S. PRODUCTION AND MARKETING ADMIN. Export allocations. Washington,1951. 2 p.
1.956 G76Ex722
- 56003 VETRONE, M. A. Hay que volver al "chilled-beef" con Gran Bretaña. Soc. Rur. Argentina. An. 85:29-31. Jan.1951. 9 So1
- 56004 VIDAL, R. C. La obsesión por las melazas importadas. Ceres [Valladolid] Sup. Inform. 16(436):7-8. Mar.15,1951. 15 C33
Spain.
- 56005 ZUNIGA ANGULO, M. Perspectivas de la exportación de manufacturas laneras. Inform. Com. Españ. 210:194-199. Feb.1951. 286.8 In3
Text in English, p. 226-227.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 56006 ALBANESE, A. A., ed. Protein and amino acid requirements of mammals. New York, Acad. Press, 1950. 155 p. 386.2 AL13
Contains the protein and amino acid requirements of man, by A. A. Albanese.
- 56007 BAVLY, S. The Institute for Nutrition Education in Israel. (In Dutch.) Voeding 12:89-91. Mar.15, 1951. 389.8 V85
- 56008 BONNET, P. L'alimentation aux Antilles Françaises. Marseille. Inst. Colon. Cahiers Colon. 34: 124-126. Mar.1951. 286.8 M35
- 56009 CALIMERI, M. The incomparable food. (In Italian.) Arte Bianca 6(10):3. Apr.1,1951. 389.8 Ar7
History of bread in human nutrition.
- 56010 CHRISTENSEN, J. F. Infant nutrition. I-II. (In Danish.) Tidsskr. f. Hush. 30:19-20,26-28. Feb.21-Mar.7, 1951. 321.8 T43
- 56011 CIELENS, E. What was accomplished by the Institute of Nutrition in 1949 in the field of teaching proper nutrition. (In Latvian.) Latv. PSR Zinātņu Akad. Vēst. 1:151-152. 1950. 511 R442
- 56012 CLARK, F. L. Nutrition teaching as a fine art. Housecraft 24:33-35,37. Feb.1951. 321.8 H817
- 56013 CLEIN, N. W. Cow's milk allergy in infants. Ann. Allergy 9:195-204. Ref. Mar./Apr.1951. 448.8 An72
- 56014 COOPER, L. F., and BRYAN, M. D. Supplementing the school lunch. J. Home Econ. 43:355-356. May 1951. 321.8 J82

- 56015 COOVER, L. S. Feeding today's babies. *Forecast Home Econ.* 67(5):17,40,42. May 1951. 321.8 F76
- 56016 DUNLOP, D. M. Modern trends in therapeutic dietetics. *Nutr. Dietet. Catering* 5:155-162. Spring 1951. 389.8 N959
- 56017 ECKBLAD, I. M. Family meals for special occasions. *Wash. State Col. Ext. Mimeog.* 1020,12 p. Apr.1951. 275.29 W27M1
- 56018 ECKBLAD, I. M. Mealtime in bed. *Wash. State Col. Ext. Mimeog.* 953,5 p. Mar.1951. 275.29 W27M1
- 56019 ECKBLAD, I. M. Speedy meals with a pressure sauce pan. *Wash. State Col. Ext. Mimeog.* 367,rev.,6 p. Jan.1951. 275.29 W27M1
- 56020 FUJIMOTO, S. Nisan nyufu no eiyo to kondate [Menus and nutrition of pregnant women and the wet nurse]. Tokyo, Yusanaku, 1950. 306 p. 389.1 F95
- 56021 HARA, M. Hoken shokujī to byōnin shokujī [Sanitary food and food for the invalid]. Tokyo, Yuzan Kaku, 1950. 354 p. 389.1 H212
- 56022 HARTOG, C. DEN. The determination of the nutritional status of the people. (In Dutch.) *Voeding* 12: 129-143. Ref. Apr.15,1951. 389.8 V85
English summary.
- 56023 HEATON, N. ST. J. A calendar of country receipts; illustrated by L. Huskinson. London, Faber & Faber, 1950. 192 p. 389.2 H35
- 56024 KANDATSU, M. Eiyo kagaku gaisetsu [Outline of nutrition chemistry]. Tokyo, Asakura, 1950. 272 p. (Shin Nogyo Zensho No. 3) 389 K13
- 56025 KLERKS, J. V. First report: investigation into the state of nutrition of Sasak school children in South-East Lombok. *Organ. Sci. Res. Indonesia. O. S. R. P.* 25: 4-8. 1951. 330.9 Or30
- 56026 KLERKS, J. V. Second report: the nutritional status of the school children in South-East Lombok after 5 months of school feeding. *Organ. Sci. Res. Indonesia. O. S. R. P.* 25:9-16. 1951. 330.9 Or30
- 56027 LEONARD, B. The school lunch program. *N. Y. State Hort. Soc. Proc.* 96:18-20. 1951. 81 N484
- 56028 MCHENRY, E. W. Nutrition for older people. *Canad. J. Pub. Health* 42:142-145. Apr.1951. 449.8 P964
- 56029 MOSSEL, D. A. A., and TOLLENAAR, F. D. Food and nutrition. X. (In Dutch.) *Voeding* 12:111-117. Ref. Mar.15,1951. 389.8 V85
English summary.
- 56030 POTGIETER, M. Chick growth teaches nutrition. *J. Home Econ.* 43:351-354. May 1951. 321.8 J82
Demonstrations for children.
- 56031 PRANGER, W. Construction and operation of emergency kitchens. *Organ. Sci. Res. Indonesia. O. S. R. P.* 25:17-20. 1951. 330.9 Or30
- 56032 SZÉKELY, E. B. Fasting and grape cure. *Ed. 6. Tecate, Calif., Essene Sch. Life*, 1950. 389.1 S22
- 56033 TAKAHASHI, T. Kashi seizogaku [Science of manufacturing cake, candy, biscuit, etc.]. Tokyo, Sangyo Tosho, 1950. 280 p. 389.25 T13
- 56034 TINSLEY, W. V. Enlisting parents on the of improved school-home nutrition habits. *Forecast Home Econ.* 67(6):14-15,31-32. June 1951. 321.8 F76
- 56035 TINSLEY, W. V. The lunchroom as a laboratory for social development and better nutrition. *Forecast Home Econ.* 67(5):24-25,42,44. May 1951. 321.8 F76
- 56036 TRENDTEL, Milchküchlein in krankheitsfällen. *Molk.-Ztg.* 5:166. Feb.15,1951. 44.8 M735
- 56037 TURIN. UNIVERSITÀ. CENTRO STUDI AMINO-ACIDI. Biological and pharmacological value of diets, protides and amino-acids. (In Italian.) *Mondo del Latte* 1951:16-17,19. Jan.1951. 44.8 M74
English summary.
- 56038 U. S. PRODUCTION AND MARKETING ADMIN. Better meals for our children. Chicago, 1950? 2 p. 1.956 A2B46
- 56039 U. S. PRODUCTION AND MARKETING ADMIN. Long Island duckling recipes. New York, 1951. 2 p. 1.956 A2L85
- 56040 U. S. PRODUCTION AND MARKETING ADMIN. More nutritious school lunches. Chicago? 1951? 11 p. 1.956 A2M81
- 56041 U. S. SURGEON-GENERAL'S OFF. NUTRITION MISSION. Pilot study of nutrition data, Germany. Washington? 1950? 2 v. 152.91 P64
- 56042 WILMOT, J. S., and BATJER, M. Q. Food for the family; an elementary college text. Ed. 3. Chicago, Lippincott, 1950. 719 p. Ref. 389.2 W68
Cookery.
- 56043 WILSON, J. R. Dietetic foods. (Abs.) *Food Technol.* 5(5,sup.):31. May 1951. 389.8 F7398
- 56044 WISCONSIN. UNIVERSITY. DEPT. OF HOME ECONOMICS. FOODS AND NUTRITION SECT. Introduction to food study; a laboratory manual. Minneapolis, Burgess, 1950. 79 p. 389.2 W75
Cookery and recipes.
- 56045 WOODS, R. Kwashiorkor—the syndrome of malignant malnutrition. *Borden's Rev. Nutr. Res.* 12:35-46. Ref. Apr.1951. 389.8 B64

FOOD HABITS

- 56046 STORVICK, C. A., and others. Nutritional status of selected population groups in Oregon. I. Food habits of native born and reared school children in two regions. *Milbank Mem. Fund. Q.* 29:165-183. Ref. Apr. 1951. 449.9 M582
B. Schaad, R. E. Coffey, and M. B. Deardorff, joint authors.
- 56047 VALVERDE, R. La alimentación de los Afri- canos. ICA; Indus. y Com. de la Aliment. 6(62):23-24. Jan.1951. 286.8 Icl
Food habits.

NUTRITIVE AND VITAMIN CONTENT

- 56048 CRAVIOTO, R. O., and others. Posibilidad de utilizar en la alimentación mezclas de leche y productos de soja. *Ciencia* 11(1/2):37-40. Ref. 1951. 475 C48
G. Massieu H., J. Guzman G., O. Y. Cravioto, J. G. Pagola, and J. C. de la Torre, joint authors.
English summary.
- 56049 CRAVIOTO, R. O. Valor nutritivo de los alimentos mexicanos. *Ciencia* 11(1/2):9-17. Ref. 1951. 475 C48
English summary.
- 56050 CREMER, H. D. Einfluss von verarbeitung und konservierung auf bekömmlichkeit und nährwert von nahrungsmitteln. (Sum.) *Zucker- u. Süßwaren-Wirt.* 3(23):12-13. Dec.5,1950. 286.86 Z3
- 56051 HARTMANN, A. Der apfel, ein naturwunder, chemisch-psychologisch beleuchtet. *Bauerin* 7(2):113-114. In Geflügelhof 14(7). Feb.16,1951. 47.8 G276
Nutritive value.
- 56052 HINTZER, H. M. R. The nutritive value of cereals. (In Dutch.) *Voeding* 12:92-111. Ref. Mar.15, 1951. 389.8 V85
English summary.
- 56053 HIRWE, R. N., and MAGAR, N. G. Effect of autoclaving on the nutritive value of Bengal gram, dhal arhar [pigeon pea] and lentil. *Cur. Sci.* 20:40-41. Feb.1951. 475 Sci23
- 56054 JARVIS, D. C. Use of honey during pregnancy. *Amer. Bee J.* 91:197. May 1951. 424.8 Am3
- 56055 JOHNSTON, J. Kids will be kids; mild-mannered milk goats provide healthful food for human youngsters and their own. *Family Herald & Wk. Star* 82(14): 5. Apr.5,1951. 7 F21
- 56056 MUNTONI, F. Confectionery in nutrition. (In Italian.) *Glor. del Pasticcieri e Confettieri* 59:77-80. Feb.1951. 389.8 G432
- 56057 ROWE, R. Fruits and vegetables are wise buys for health-minded New Mexico homemakers. *N. Mex. Agr. Col. Ext. News* 31(3):7. Mar.1951. 275.29 N463Ex
- 56058 SCHEURER, E. Vitamin C in fruchtsäften. *Schweiz. Z. f. Obst- u. Weinbau* 60:166. Apr.21,1951. 80 Sch9
- 56059 SHEWELL-COOPER, W. E. Spinach for health. *New Health* 26(4):16. Apr.1951. 449.8 N45
- 56060 SVENSSON, V. The carotene content in carrots and its dependence on various factors. (In Swedish.) *Weibulls illus. Årsb.* 46:30-34. 1951. 64.9 L232
- 56061 VAVICH, M. G., and KEMMERER, A. R. Cantaloup is good source of carotene for vitamin A. *Prog. Agr. Ariz.* 3:7. Apr./June 1951. 6 P9452
- 56062 WILLIAMS, R. R. Rice and the beri-beri problem in Indonesia. *Organ. Sci. Res. Indonesia. O. S. R. News* 3:4-5. Jan.1951. 330.9 Or3Ae

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

56063 ALCARAZ MIRA, E. Analisis estadístico en la herencia por factores múltiples. Spain. Inst. Nac. de Invest. Agron. B. 10:613-623. Dec.1950. 105.6 Sp14

56064 AMATO, F. D'. Recent advances in the field of chemogenetics: the products of organic metabolism as mutagenic agents. (In Italian.) Caryologia 3:249-259. Ref. 1950. 442.8 C25

English summary.

56065 AMERICAN PUBLIC HEALTH ASSOCIATION. Sixteenth year book, 1950-1951. Amer. J. Pub. Health 41 (5,pt.2),142 p. May 1951. 449.9 Am3J

Includes the following committee reports: Current status, at the state level, of a program for the certification of laboratories performing bacteriological work on milk, p.85-87; Rural sanitation, p.93-98; Chemicals introduced in foods, p.122-124.

56066 ANNUAIRE agricole et horticole, troisième année, 1950-51. Gand,1951. 261 p. 13 An7

Issued by Foire Internationale de Gand.

Library has also second volume, 1949-50.

56067 BARAGER, C. P. Bad news for rats. Family Herald & Wk. Star 82(14):7,17. Apr.5,1951. 7 F21

The new poison warfarin.

56068 BLACHER, N. Service agencies of the United States Dept. of Agriculture. Your Government 5(7):1-4. Mar.15,1950. 31.3 Un34S

56069 CONTRIBUTION à l'étude de l'Afr. Inst. Franç. d'Afrique Noire. Mém. 10,562 p. Ref. 1950. 515 D14M

Mission L. Chopard et A. Villiers.

56070 EMMENS, C. W., ed. Hormone assay. New York, Acad. Press, 1950. 556 p. 444 Em6

56071 THE FARMER year book and diary 1951, edited by F. N. Turner. Bridgwater, Eng., 1951. 176 p. 10 F2229

56072 FERRON, M. Enquête sur les dommages causés par les rats. Quebec Soc. Protect. Plants. Rpt. 31:33. Dec.31,1950. 464.9 Q3

56073 GILLESE, J. P. Alberta's war with the rat. Country Guide 1951:15,66-67. Apr.1951. 7 G76

56074 GOUILLY-FROSSARD. La question de la révision de la convention internationale du 19 mars 1902 relative à la protection des oiseaux utiles à l'agriculture. Acad. d'Agr. de France. Compt. Rend. 37:144-145. Feb.7/14,1951. 14 P215Bc

56075 GROVE, A. J., and NEWELL, G. E. Animal biology. Ed. 3. London, U. Tutorial Press, 1950. 760 p. 442 G912

56076 HAWAIIAN ACADEMY OF SCIENCE. Proceedings of the twenty-fifth annual meeting, 1949-1950. Honolulu, 1950. 11 p. 500 H31A

56077 HEINZ, H. J. Herbst- oder frühjahrsaktion gegen ratten? Anz. f. Schädlingssk. 24:59-61. Apr.1951. 421 An9

56078 IRELAND. MINISTRY OF AGRICULTURE. Nineteenth annual report, 1949-50. Dublin, 1950. 87 p. 10.5 Ir43A

56079 KARRER, P. Lehrbuch der organischen chemie. Ed. 11, enl. Stuttgart, Thieme, 1950. 1082 p. 386 K14

56080 MANUFACTURING CHEMISTS' ASSOCIATION. Useful information & statistics relating to the chemical and allied products industries. Ed. 3. Washington, 1950. 429 p. 388 M31

Includes agricultural chemicals, fats and oils, and naval stores.

56081 MECHNIKOV, I. I. Izbrannye biologicheskie proizvedeniya [Selected biological works]. Moskva, Akademika Nauk SSSR, 1950. 795 p. (Akademika Nauk Soluza SSR. Klassiki Nauki) 442 M461

56082 MOSES, T., ed. Agricultural research publications available; technical articles published during 1950. Tex. Agr. Expt. Sta. C. 128,50 p. Mar.1951. 100 T31S

56083 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Goedgekeurde bestrijdingsmiddelen [Approved pesticides]. Netherlands. Plantenziektenk. Dienst. Vlug-schr. 65(sup.1), 4 p.; (sup.2), 4 p. July 1950-Feb.1951. 464.9 W12V

56084 NOONE, J. A. Supply situation of spray materials and fertilizers and status of residue investigation. N. Y. State Hort. Soc. Proc. 96:117-124. 1951. 81 N484

56085 ERTEL, H. Süßigkeitenverlangen bei hungerkost; über nervenschäden als folge von vitamin-B-mangel bei unzureichender, vorwiegend kohlenhydrathaltiger kost. Zucker- u. Süßwaren-Wirt. 3(23):10-12. Dec.5,1950. 286.86 Z3

56086 RICE RESEARCH ASSOCIATES. The biology careers chart-manual; 14 aspects of 32 careers, and other pertinent material. Chicago, 1950. 98 p. 442 R36

Includes farming, forestry, and various other agricultural positions.

56087 SARLES, W. B., and others. Microbiology, general and applied. New York, Harper, 1951. 493 p. 448.2 Sa72

W. C. Frazier, J. B. Wilson, and S. G. Knight, joint authors.

56088 SCOTLAND. DEPT. OF AGRICULTURE. Agriculture in Scotland; the report for 1950. Edinburgh, 1951. 112 p. 10 Sco82Re

56089 SHIDZUOKA. AGRICULTURAL EXPERIMENT STATION. Commemoration issue of the 50th anniversary of the foundation of Shidzuoka Agricultural Experiment Station. (In Japanese.) Shidzuoka, 1950. 221 p. 107.6 Sh6Co

56090 SINCLAIR, G. W., and BLACKWELDER, R. E. Zoological nomenclature and microfilm. Science 113:466. Apr.20,1951. 470 Sci2

56091 SMITH, K. M. An introduction to the study of viruses. London, Pitman, 1950. 106 p. 448.2 Sm62I

56092 SNYDER, L. H. The principles of heredity. Ed. 4. Boston, Heath, 1951. 515 p. Ref. 443 Sn9

56093 SPENCER, E. Y. Analytical chemistry and its relation to agriculture. West. Farm Leader 18:117. Apr.20,1951. 280.28 W52

56094 TAYLOR, F. S. The world of science. Ed. 2. London, Heinemann, 1950. 1064 p. 330 T211W

56095 U. S. NATIONAL ARCHIVES. Federal records of World War II, v. 1. Washington, 1950. 1073 p. (U. S. Natl. Arch. P. No. 51-7) 169.1 F31

Includes records of the Office of Price Administration and Civilian Supply, the War Food Administration, and the Department of Agriculture.

56096 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Printed and mimeographed material available to county extension services. Wash. State Col. Ext. Mimeog. 1014,119 p. Apr.1951. 275.29 W27Mi

56097 WEISS, H. B. The New Jersey Department of Agriculture, 1916-1949. Trenton, New Jersey Agr. Soc., 1950. 279 p. 2 N46N

56098 WETTINGER. Feldmäuse! Bad. Landwirt. Wchnbl. 118:204. Mar.31,1951. 18 B142

Control.

56099 WIESMANN, R. Die wissenschaftlichen und praktischen aufgaben unseres versuchsgutes im dienste der schädlingbekämpfung. Grüne 79:82-86. Jan.19, 1951. 17 Sch9

56100 ZANZIBAR. DEPT. OF AGRICULTURE. Annual report, 1949. Zanzibar, 1950. 64 p. 24 Z1

HISTORY AND BIOGRAPHY

56101 AKADEMIJA NAUK SSSR. Sergei Ivanovich Vavilov [1891-1951]; to the memory of the great hard-worker and organizer of science. (In Russian.) Pochvo-vedenie 1951:73-75. Feb.1951. 57.8 P34

56102 ANDERSON, A. W. Dr. F. P. von Siebold. Gard. Chron. 129:52. Feb.17,1951. 80 G162

56103 BARTSCH, P. Carlos de la Torre y de la Huerta. Helminthol. Soc. Wash. Proc. 18:85. Jan.1951. 436.9 H36

56104 BIRNBECK. 50 jahre Bayerische Landesanstalt für Moorwirtschaft. Wasser u. Boden 2:166-167. Aug.1950. 56.8 W28

56105 BOURDE, A. J. M. A. The influence of England on the French "agronomes," 1750-1789. Cambridge. U. Abs. Diss. 1948/49:66-67. 1950. 241.8 C14

56106 BUBLITZ, K. Der niedergang des englischen bauerntums im zeitalter des beginnenden kapitalismus. Deut. Landwirt. 2:3-5. Ref. Jan.1951. 18 D4822

56107 BUEHRER, T. F. James Frank Breazeale, 1874-1950. Soil Sci. 71:251-252. Apr.1951. 56.8 So3

56108 CHATTERTON, B. Liberty Hyde Bailey.

Town & Country Church 71:13. May 1951. 281.28 T66

56109 DE GRUYSE, J. J. Obituary notice: Dr. Sievert Allen Rohwer. Canad. Ent. 83:92. Apr.1951. 421 C16

- 56110 DONISTHORPE, H. Henry Jerome Turner. Ent. Mon. Mag. 87:94-95. Mar.1951. 421 En86
- 56111 FASSATI, M. 60e anniversaire de M. l'Ing. A. Jedlicka. (In Czech.) Českoslov. Společnost Ent. Časopis 47:67-72. 1950. 420 C33
French summary.
Includes list of his publications.
- 56112 FESTSCHRIFT zum 90. Geburtstage von Lorenz Wappes. München, Bayerischer Landwirtschaftsverlag, 1950. 80 p. 99 F42
Includes list of his publications.
- 56113 FLETCHER, S. W. Pennsylvania agriculture and country life, 1640-1840. Harrisbury, Pa. Hist. & Mus. Comm., 1950. 605 p. 30.9 F63P
- 56114 GAUME, R. André Ninck (1872-1950). Rev. Bryologique et Lichénologique (n.s.) 19:144. 1950. 450 R325
- 56115 GAUME, R. Le Docteur Maurice Langeron. Rev. Bryologique et Lichénologique (n.s.) 19:143. 1950. 450 R325
- 56116 GYGLI, K. Jakob Kauer, Dürrenroth. Schweiz. Bienen-Ztg. 74:71. Feb.1951. 424.8 Sch9
- 56117 HAWKES, C., and HAWKES, J. The beginnings of agriculture and of animal husbandry. Westralian Farmers Co-op Gaz. 20(388):5-7. Jan.1951. 280.28 W522
- 56118 HOSMER, R. S. Henry Solon Graves 1871-1951. J. Forestry 49:325. May 1951. 99.8 F768
Also Yale Forest Sch. News 39:22-23. Apr.1951. 99.8 Y1
- 56119 HOWIE, A. Sixty years' farming. Scot. Agr. 30:209-212. Spring 1951. 10 Sco82So
- 56120 ING. VÁCLAV Machulka. (In Czech.) Českoslov. Společnost Ent. Časopis 47:3-6. 1950. 420 C33
French summary.
Includes list of his publications.
- 56121 KUDLA, M. Pplk. Adolf Adámek. (In Czech.) Českoslov. Společnost Ent. Časopis 47:72-73. 1950. 420 C33
Includes list of his publications.
- 56122 KUHN, A. Jakob Kohler, Wettingen, 1898-1950. Schweiz. Bienen-Ztg. 74:70-71. Feb.1951. 424.8 Sch9
- 56123 KUZNETSOV, P. S. V. V. Dokuchaev as a geographer. (In Russian.) Priroda 39(9):73-76. Ref. Sept. 1950. 410 P933
- 56124 LEEFMANS, S. Dr. Leland O. Howard† (1857-1950). (In Dutch.) Ent. Ber. 13:209-210. Feb.1, 1951. 420 N38B
- 56125 LEHRKE, W. 5000 Jahre Landwirtschaft in Niedersachsen. Wasser u. Boden 3:8-12. Jan./Feb. 1951. 56.8 W28
- 56126 LIVEROVSKII, I. A. Nikolaĭ Mikhaĭlovich Sibirskiy (To the 50th anniversary of his death). (In Russian.) Pochvovedenie 1951:77-85. Feb.1951. 57.8 P34
- 56127 LORD, R. Chief of the soil revival; some notes for historians of agriculture. Land 10:83-89. Spring 1951. 279.8 L22
H. H. Bennett.
- 56128 L'VOV, S. D. Brief description of the scientific activity of Academician Nikolaĭ Aleksandrovich Maksimov [1880-]. (In Russian.) Bot. Zhur. 35:544-555. Sept./Oct.1950. 451 R929
- 56129 MCGAUGH, M. E. The settlement of the Saginaw Basin. Chicago, 1950. 407 p. (Chicago. U. Dept. Geog. Res. Paper No. 16) 282.2 M17
Thesis - University of Chicago.
Includes agricultural history.
- 56130 MAKSIMOV, N. A. Recollections about Dmitriĭ Iosifovich Ivanovskii. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 1950(6):22-29. Nov./Dec.1950. 511 Sa2B
- 56131 MASSEE, A. M. George Fox Wilson. Ent. Mon. Mag. 87:94. Mar.1951. 421 En86
- 56132 MOGILEVSKII, B. I. I. Mechnikov; povest' o trudakh i dnakh velikogo russkogo biologa [I. I. Mechnikov; story about the work and days of the great Russian biologist]. Moskva, Gos. Izd-vo Detskoi Lit-ry Ministerstva Prosveshcheniia RSFSR, 1950. 286 p. (Shkol'nai Biblioteka) 120 M46M
- 56133 PHELPS, F. T. The sage of Monticello; few chief executives had wider or more varied interests than Jefferson; he was by heritage, education and inclination a turfman although not active as Jackson. Thoroughbred Rec. 153(14):24-25. Apr.7, 1951. 42.8 T39
- 56134 POE, C. 1,000 million farm people need Dr. Seaman Knapps. Prog. Farmer, Miss.-Ark.-La. Ed. 66(4):142. Apr.1951. 6 So81
- 56135 RICHARDS, O. W. Obituary: Albert Harry Hamm, M.A., A.L.S., F.R.E.S. Ent. Mon. Mag. 87:97-98. Apr.1951. 421 En86
- 56136 ROBIN, F. Olivier de Serres (1539-1619), propriétaire, agriculteur. Agr. Prat. 115:138-140. Mar. 1951. 14 J82
- 56137 RODGERS, A. D. Bernhard Eduard Fernow; a story of North American forestry. Princeton, Princeton U. Press, 1951. 623 p. 120 F392
Bibliographical footnotes.
- 56138 SCHILL, L. Ein Leben für den Bauernstand; meine erlebnisse bei der ehrung von Prof. Dr. Laur-Brugg durch die bauern Europas. Bauern Ztg. 4(14):3. Apr.6, 1951. 18 B324
- 56139 SELVIG, C. G. A tale of two valleys, an autobiography. Los Angeles, Jones Press, 1951. 144 p. 120 Se4
- 56140 SHANKLAND, R. Steve Mather of the national parks. New York, Knopf, 1951. 326 p. 120 M422
- 56141 STÄRCKE, A. J. A. F. Lodeizen, † 26 July 1950. (In Dutch.) Ent. Ber. 13:225-226. Mar.1, 1951. 420 N38B
- 56142 STEVENSON, J. A. George Lorenzo Zundel, 1885-1950. Mycologia 43:1-4. Jan./Feb.1951. 450 M99
Includes list of his publications.
- 56143 STRAUSS, M. E. Pioneering for prosperity. Livestock Wk. 5(21):12,34,40,42. Mar.29, 1951. 49 L753
History of agricultural development of Fayette County, Tennessee.
- 56144 SUKHOV, K. S. D. I. Ivanovskii—founder of teaching on filtrable viruses. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 1950(6):3-21. Nov./Dec.1950. 511 Sa2B
- 56145 SYMON, J. A. Cairnhill, Turriff, 1861-1926. I. Scot. Agr. 30:199-202. Spring 1951. 10 Sco82So
History of a farm in Scotland.
- 56146 VAINDRACH, G. M. D. I. Ivanovskii (To the 30th anniversary of his death). (In Russian.) Mikrobiologiia 19:481-488. Nov./Dec.1950. 448.3 M582
- 56147 VAYSSIÈRE. Notice nécrologique de Mr. L. O. Howard. Acad. d'Agr. de France. Compt. Rend. 36:708-709. Dec.13/20, 1950. 14 P215Bc
- 56148 WENTWORTH, E. N. Specialist looks at agricultural history. Shorthorn World 36(3):5-6, 45-47. Apr.10, 1951. 43.8 Sh8

HOME MANAGEMENT

- 56149 TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. A handy clothes hamper. Tex. Agr. Col. Ext. L. 125, 4 p. Dec.1950. 275.29 T313
- 56150 WASHINGTON. STATE COLLEGE. EXTENSION SERV. An ironing unit 4-H project. Wash. State Col. Ext. Mimeog. 707, 2 p. Mar.1951. 275.29 W27Mi
- 56151 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Score card for dress revue. Wash. State Col. Ext. Mimeog. 750, rev., 1 p. 1951. 275.29 W27Mi
- 56152 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging cookies. Wash. State Col. Ext. Mimeog. 558, rev., 2 p. Mar.1951. 275.29 W27Mi
- 56153 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging rolled cookies. Wash. State Col. Ext. Mimeog. 648, 2 p. Mar.1951. 275.29 W27Mi
- 56154 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging table setting. Wash. State Col. Ext. Mimeog. 413, 1 p. Mar.1951. 275.29 W27Mi
- 56155 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging yeast bread. Wash. State Col. Ext. Mimeog. 572, rev., 2 p. Mar.1951. 275.29 W27Mi
- 56156 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Unit kitchen regulations. Wash. State Col. Ext. Mimeog. 719, 4 p. 1951. 275.29 W27Mi
Preparation of a meal and equipment needed.

INTERNATIONAL RELATIONS

- 56157 DOMINGUES, O. Inter-American Conference on Agriculture. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:29-31. Jan./Feb.1951. 9.2 R324

56158 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. U. S. INTERAGENCY COMMITTEE. Long-term trends of FAO for use in connection with the program of work and budget for 1952 and 1953; recommendations of the United States. Washington, 1951? 30 p. 389.9 F7354L

56159 U. S. EXTENSION SERV. Study outlines, young Dutch farmers, 1951, by P. K. Hooker. Washington, 1951. 14 p. 1.913 S2St94

56160 U. S. EXTENSION SERV. Suggestions to foreign students in the Cooperative Extension Service training programs, by F. P. Frutchey. Washington, 1950. 2 p. 1.913 S2Su37

METEOROLOGY

56161 CONTRERAS ARIAS, A. Resumen de los resultados obtenidos por instituciones oficiales en relación con las experiencias de tratamiento de las nubes por medio del hielo seco y del yoduro de plata. Chapingo 4:532-545. July 1950. 102 C36

56162 DAVIES, D. A. Artificial stimulation of rain at Kongwa. Nature [London] 167:614. Apr. 14, 1951. 472 N21

56163 DE MOTTS, G., and SWANSON, D. Should farmers gamble with frost. N. C. Agr. Expt. Sta. Spec. C. 13, 8 p. Jan. 1951. 100 N81Sp

56164 HOGGEN, G. L. The story of Jack Frost. Young Farmer 19:97,99-100. Mar./Apr. 1951. 10 Y8
Forecasting frost.

56165 KUHN, W. Altes und neues von der Schweizerischen Meteorologischen Zentralanstalt. Schweiz. Landw. Monatsh. 1951:91-96. Mar. 20, 1951. 17 Sch93

56166 LAGOS U., J. A. Meteorología y cosmografía en sus relaciones con la agricultura. Agr. Costarricense 9:69-70. Feb. 1951. 8 Ag895

56167 MANN, D. I'd like to order a good rain. Kans. Farmer 88(4):36-37. Feb. 17, 1951. 6 K13
Pros and cons of weather making.

56168 NELSON, R. T. When the frost ends. Better Farming Better Living 1951:5. Spring 1951. 6 B464

56169 ORTIZ, A. A. Registro estacional de lluvias en relación con la producción agrícola en la República. Soc. Rur. Argentina. An. 85:10-13. Jan. 1951. 9 Sol

56170 RAMDAS, A. Contributions of agricultural meteorology to sugarcane research in India. (Abs.) Conf. Sugarcane Res. Workers Indian Union. Proc. 1(1,sect.1): 1-2. 1951. 65.9 C766

56171 SEIFERT, A. Die landschaft der zukunft. Wasser u. Boden 2:231-234. Nov. 1950. 56.8 W28
Effects of climatic changes on agriculture.

56172 SMITH, L. P. If the weather is any guide a wet spring means fewer May frosts. Grower [London] 35:863. Apr. 28, 1951. 286.83 M34
England.

56173 WILSON, J. The newest frontier in agriculture. Nation's Agr. 26(5):12-13, 16. May 1951. 280.82 B89
Rain making.

PERSONNEL

56174 U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Career development guide. Washington, 1950. 4 p. 1.917 T2C18

56175 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SOLICITOR. Information for employees on change of official station. Washington, 1951. 4 p. 1.918 In3

RESEARCH

56176 BAUMGARTEN, O. Bessere zusammenarbeit von wissenschaft und praxis. Deut. Landwirt. 2:169-170. Apr. 1951. 18 D4822

56177 BRUNSWICK, GER. (CITY) FORSCHUNGS-ANSTALT FÜR LANDWIRTSCHAFT. Die Forschungsanstalt für Landwirtschaft in Braunschweig-Völkernode. Braunschweig, Appelhaus, 1950. 50 p. 33.27 B833

56178 COMEL, A. L'Istituto Chimico-Agrario Sperimentale di Gorizia; 80 anni di sperimentazione agraria [The Gorizia Agricultural Chemistry Experimental Institute; 80 years of agricultural research]. Ist. Chim.-Agr. Sper. di Gorizia. Nuovi Ann. 1,250 p. 1950. 105.4 G67

56179 COMMONWEALTH AGRICULTURAL BUR. REVIEW CONFERENCE, LONDON, 1950. Report of proceedings. London, Stationery Off., 1951. 119 p. ([Gt. Brit. Parliament. Papers by Command] Cmd. 8167) 29 C732
Research.

56180 ELGUETA, M. Problemas en el desarrollo de la investigación agrícola en América Latina. Turrialba 1:120-124. Jan. 1951. 8 T86

56181 GEORGIA. AGRICULTURAL EXPERIMENT STATION. Sixty-second annual report, 1949/50. Experiment, 1950. 92 p. 100 G29S

56182 GRAHAM, V. E. We owe it to science. Country Guide 1951:11,46-47. Apr. 1951. 7 G76

Agricultural research and its effect on farm practices

56183 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. Report for the year 1949-50. London, 1951. 214 p. (Cmd. 8169) 330.9 G792R
Includes research relating to agriculture.

56184 GROBMAN, A. B. Our atomic heritage. Gainesville, U. Florida Press, 1951. 147 p. 386.2 G89
Chapter 10 deals with isotopes in agriculture and other fields.

56185 HOOS, S. S. Current economic research projects of interest to agriculture. Berkeley, Agr. Expt. Sta. Col. Agr., U. Calif., 1950. 14 p. 281.010 H76

56186 ILLINOIS. AGRICULTURAL EXPERIMENT STATION. Research work at the Illinois Agricultural Experiment Station; report for 1948-1950. Urbana, 1951. 104 p. 100 IL6S

56187 KAHNERT, K. Was heisst wissenschaftsplanung. Deut. Landwirt. 2:126-127. Mar. 1951. 18 D4822
Agricultural research.

56188 LANDBOUW-ECONOMISCH INSTITUT. Tien jaren Landbouw-Economisch Instituut; opbouw van het economisch onderzoek in landbouw, tuinbouw en visserij [Ten years of the Agricultural Economics Institute; development of economic research in agriculture, horticulture and fisheries]. Assen, Van Gorcum, 1950. 153 p. 281.9 L23T

56189 MARIMPIETRI, L. Activities of the Institutes of agricultural research in 1950. (In Italian.) Agr. Ital. 2(1/2):37-40. Jan. 1/15, 1951. 16 Ag822

56190 PLESCHER, A. Um die zusammenarbeit von praxis und wissenschaft. Deut. Landwirt. 2:103-105. Feb. 1951. 18 D4822
Agricultural research.

56191 ROSSIN, M. L'Institut de Recherche Scientifique d'Adiopodoumé-Abidjan (Office de la Recherche Scientifique Outre-Mer). Marchés Colon. 7:1201-1202. Apr. 28, 1951. 286.8 M33

56192 TENNESSEE. AGRICULTURAL EXPERIMENT STATION. Sixty-second annual report, 1949. Knoxville, 1950. 177 p. 100 T25S

56193 UNDERWOOD, E. J. The research activities of the University Institute of Agriculture. Westralian Farmers Co-op Gaz. 20:79,81-82. Feb. 1951. 280.28 W522

56194 U. S. OFF. OF EXPERIMENT STATIONS. Summary of contributions by States during past five years and cost of additional research needed at the State agricultural experiment stations. Washington, 1950? 35 p. 1.912 Su6

56195 VRIES, J. P. DE. Fighters for food. (In Afrikaans.) Landman 35:5-6. Feb. 1951. 24 L234
Agricultural research in U. S. A.

STATISTICS

56196 CHOMBART DE LAUWE, J. B. The present state of agricultural statistics in Europe. Internatl. Conf. Agr. Econ. Proc. (1949):7:315-334. 1950. 281.9 In82
Includes discussion.

56197 KLAUDER, G. Landwirtschaftliche faustzahlen. Ed. 3, rev. Berlin, Parey, 1950. 112 p. 30.3 K66
Tables and ready reckoners.

56198 ZELLER, A. Die neue landwirtschaftliche versuchsmethodik. Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahrb. u. Adressb. 1949:204-209. 1950. 19 Au72J
Statistical methods.

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agricultural Monographs

KELLOGG, C. E., and NYGARD, I. J. Exploratory study of the principal soil groups of Alaska. U. S. D. A. Agr. Monog. 7, 138 p. Ref. Mar. 1951. 1 Ag84Am

Farmers' Bulletins

WALTON, W. R., and PACKARD, C. M. The armyworm [*Cirphis unipuncta*] and its control. U. S. D. A. Farmers' B. 1850, slightly rev., 10 p. Mar. 1951. 1 Ag84F
Supersedes Farmers' Bulletin 731.

Program Aid

U. S. BUR. OF ANIMAL INDUSTRY. More meat for defense; methods of obtaining more efficient live-stock production. U. S. D. A. PA-156, 21 p. 1951. 1 Ag84Pro

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE. INTER-BUR. COMMITTEE ON AGRICULTURAL RESOURCES, NEEDS, AND POSSIBILITIES OF THE VIRGIN ISLANDS. Report on agricultural resources, needs, and possibilities, of the Virgin Islands. Washington, 1950. 34 p. 1.90 C2In88

AGRICULTURAL ECONOMICS, BUREAU OF

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm building losses that are covered by insurance; fire and extended-coverage loss experience in regard to buildings of farm-ownership borrowers from Farmers Home Administration, 1943-49, by J. D. Rush. Washington? 1951. 8 p. 1.941 F6F222

COMMODITY CREDIT CORPORATION

U. S. COMMODITY CREDIT CORPORATION. Dollars invested by CCC in price support programs and realized gains or losses under the programs from 1933 through December 31, 1950. Washington, 1951. 1 p. 1.957 D69

ENTOMOLOGY AND PLANT QUARANTINE,
BUREAU OF

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Barberry eradication. Washington, 1951? 1 p. 1.967 A2B23

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Dutch elm disease control. Washington, 1951? 1 p. 1.967 A2D952

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Golden nematode [*Heterodera rostochiensis*] control. Washington, 1951? 1 p. 1.967 A2G56

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Hall scale [*Nilotaspis halli*]. Washington, 1951? 1 p. 1.967 A2H14

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Phony peach disease control. Washington, 1951? 1 p. 1.967 A2P562

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Summary of Japanese beetle [*Popillia japonica*] trap-scouting and control activities, 1932 to 1950. Washington, 1951. 13 p. 1.967 A2Su63

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Sweetpotato weevil [*Cylas formicarius elegantulus*] control. Washington? 1951? 1 p. 1.967 A2Sw3

EXPERIMENT STATIONS, OFFICE OF

U. S. OFF. OF EXPERIMENT STATIONS. Summary of contributions by States during past five years and cost of additional research needed at the State agricultural experiment stations. Washington, 1950? 35 p. 1.912 Su6

EXTENSION SERVICE

LABOR UTILIZATION CONFERENCE, WASHINGTON, D. C., 1951. Report. Washington, U. S. Ext. Serv., 1951. 14 p. 1.913 C3L11

U. S. EXTENSION SERV. Educational work in grain grading in 1950, by W. B. Combs. Chicago, 1951. 5 p. 1.913 A3Ed8

U. S. EXTENSION SERV. It's the way you serve people; public relations tips for county extension agents, by L. A. Schlup. Washington, 1950. 6 p.-folder. 1.913 I2It6

U. S. EXTENSION SERV. Plain cues for better [radio] interviews. Washington, 1951. 2 p. 1.913 A2P696

U. S. EXTENSION SERV. Renewed emphasis in 1951 on gardening and home food preservation. Tentative. Washington, 1951. 5 p. 1.913 F4R292

U. S. EXTENSION SERV. Study outlines, young Dutch farmers, 1951, by P. K. Hooker. Washington, 1951. 14 p. 1.913 S2St94

U. S. EXTENSION SERV. A suggestion for National 4-H Club Week, March 3-11, 1951, highlighting the 1951 - 4-H defense mobilization program. Washington, 1951. 2 p. 1.913 F3Su342

U. S. EXTENSION SERV. Suggestions to foreign students in the Cooperative Extension Service training programs, by F. P. Frutchey. Washington, 1950. 2 p. 1.913 S2Su37

U. S. EXTENSION SERV. Values of home demonstration work, by Mrs. C. Pritchard. Washington, 1951. 4 p. 1.913 H2V24

FARM CREDIT ADMINISTRATION

CONFERENCE OF PRODUCTION CREDIT CORPORATION TREASURERS. Report, Washington, D. C., November 6-10, 1950. Washington, U. S. Farm Credit Admin., 1951? 47 p. 1.955 P2C762

U. S. FARM CREDIT ADMIN. Farm Credit Administration career program. Washington, 1951. 3 p. 1.955 A2F222

U. S. FARM CREDIT ADMIN. Using your production credit association. U. S. Farm Credit Admin. C. E-17, slightly rev., 12 p. 1951. 166.2 C4926

FARMERS HOME ADMINISTRATION

U. S. FARMERS HOME ADMIN. Analysis of farm ownership program, White County, Arkansas and recommended adjustments in farming systems and practices for upland areas of the State. Washington? 1950? 6 p. 1.949 An1

U. S. FARMERS' HOME ADMIN. Farmers Home Administration real estate loans available to small farmers. Washington, 1951? 5 p. 1.949 F2235

FOREIGN AGRICULTURAL RELATIONS,
OFFICE OF

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Castor beans: exports from specified countries, averages 1935-39 and 1940-44, annual 1945-1950. Washington, 1951? 1 p. 1.943 C276

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. TECHNICAL COLLABORATION BR. Kenaf; a fact sheet on a new soft-fiber crop for the Americas. Washington? 1951? 4 p. 1.943 K33

FOREST SERVICE

U. S. FOREST SERV. Preliminary wood preservation statistics, by H. B. Steer. Washington? 1951. 19 p. 1.962 F4P912

U. S. FOREST SERV. A quiz about Grass and Cattle, a 16 mm. color-sound motion picture of the Forest Service. Washington, 1951? 4 p. 1.962 A2Q48

WHEELER, H. N. Church forests. Washington? U. S. Forest Serv., 1951. 2 p. 1.962 A2C47

PERSONNEL, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Career development guide. Washington, 1950. 4 p. 1.917 T2C18

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

HARVEY, E. M., and others. Transportation test with Washington Navel oranges, comparing ventilation behavior of the 561- and the 462-box loads from central California to New York, January 1951. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 242, 6 p. Mar. 1951. 1.9 P772Ht

E. P. Atrops, J. Kaufman, and J. R. MacRill, joint authors.

PRODUCTION AND MARKETING ADMINISTRATION

SOUTH DAKOTA PMA STATE OFF. Annual report, 1949. Huron, 1950. 99 p. 1.956 A2So8

Similar report from Montana.

SPANGLER, R. L. Consumer standards for fresh fruits and vegetables. Washington, U. S. Prod. & Mktg. Admin., 1951. 4 p. 1.956 F94Sp2

Address, First Annual Conference of the Produce Pre-packaging Association, Columbus, Ohio, Apr. 3-5, 1951.

U. S. PRODUCTION AND MARKETING ADMIN. Better meals for our children. Chicago, 1950? 2 p. 1.956 A2B46

U. S. PRODUCTION AND MARKETING ADMIN. Comparison color requirements for U. S. standards, proposed U. S. standards, proposed U. S. consumer standards, and Washington standards for apples. Washington, 1951? 2 p. 1.956 A2C7324

U. S. PRODUCTION AND MARKETING ADMIN. Export allocations. Washington, 1951. 2 p. 1.956 G76Ex722

U. S. PRODUCTION AND MARKETING ADMIN. Feed production per acre of corn, oats, and barley; oats and barley feed equivalent compared to corn. Washington, 1951. 1 p. 1.956 G76F324

U. S. PRODUCTION AND MARKETING ADMIN. Long Island duckling recipes. New York, 1951. 2 p. 1.956 A2L85

U. S. PRODUCTION AND MARKETING ADMIN. Merchandising reconstituted frozen concentrated orange juice through the use of mechanical dispensers, by E. D. Downie, O. Rauchsichwalbe, and H. R. Treinish. Washington, 1951. 18 p. 1.956 M343M53

U. S. PRODUCTION AND MARKETING ADMIN. More nutritious school lunches. Chicago? 1951? 11 p. 1.956 A2M81

U. S. PRODUCTION AND MARKETING ADMIN. Regional marketing problems of the hatching egg industry in the Northeast. Washington, 1951. 15 p. 1.956 P86R26

U. S. PRODUCTION AND MARKETING ADMIN. Statement concerning Army purchases of dried eggs. Washington, 1951. 1 p. 1.956 A2St28

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned blueberries. Rev. Washington, 1951. 8 p. 1.956 A2T268

U. S. PRODUCTION AND MARKETING ADMIN. Wheat: supply and requirements, prewar and during World War II. Washington, 1951? 1 p. 1.956 G76W568

U. S. PRODUCTION AND MARKETING ADMIN. FRUIT AND VEGETABLE BR. [Commodity market reports.] 1.9 Ec741L

Fruit and vegetable marketing summaries, 1949/50 and 1950 seasons.

RURAL ELECTRIFICATION ADMINISTRATION

U. S. RURAL ELECTRIFICATION ADMIN. A co-op quiz for your 1951 annual meeting. Washington, 1951? 10 p. 1.933 C785

U. S. RURAL ELECTRIFICATION ADMIN. Major farm and home uses of electricity making up the kilowatt hour load of REA borrowers. Washington, 1951? 1 p. 1.933 M2822

U. S. RURAL ELECTRIFICATION ADMIN. Management Conference for Rural Electric Co-ops, April 9-13, 1951. Washington, 1951. 15 p. 1.933 M3122

U. S. RURAL ELECTRIFICATION ADMIN. Non-technical summary of electrical terminology. Washington? 1951? 2 p. 1.933 N73

U. S. RURAL ELECTRIFICATION ADMIN. Report on field tests of Henry Phase Converter. Washington, 1951. 4 p. 1.933 R2923

U. S. RURAL ELECTRIFICATION ADMIN. Storage type electrically operated water heater for the home. Washington? 1951? 3 p. 1.933 Su7

U. S. RURAL ELECTRIFICATION ADMIN. Test your co-op knowledge. Washington, 1951? 2 p. 1.933 T28

SOIL CONSERVATION SERVICE

U. S. SOIL CONSERVATION SERV. Instructions concerning the evaluation of reservoir sedimentation for flood control surveys. Washington, 1951. 4 p. 1.96 R31Inc

U. S. SOIL CONSERVATION SERV. The need for conservation education, by K. W. Chalmers. Ft. Collins, 1950. 7 p. 1.96 N28

U. S. SOIL CONSERVATION SERV. Study of automotive fleet operation and replacement. Washington? 1950? 4 p. 1.96 B96Stu

U. S. SOIL CONSERVATION SERV. NORTHERN GREAT PLAINS REGION. Grass saves rainfall, by F. L. Duley. Lincoln? 1950. 5 p. 1.9607 G764

U. S. SOIL CONSERVATION SERV. SOUTH-WEST REGION. Irrigated areas in Arizona. Albuquerque, 1950. 8 p. 1.9608 Ir722

SOLICITOR, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF THE SOLICITOR. Information for employees on change of official station. Washington, 1951. 4 p. 1.918 In3

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arizona Agricultural Experiment Station, Tucson

BRIMHALL, L. L., and MCGEORGE, W. T. Cotton fertilization. *Ariz. Agr. Expt. Sta. B. 234*, 21 p. Mar. 1951. 100 Ar4

HOLEKAMP, E., THOMAS, W. I., and FROST, K. R. Cotton cultivation with tractors. *Ariz. Agr. Expt. Sta. B. 235*, 20 p. Mar. 1951. 100 Ar4

California Agricultural Experiment Station, Berkeley

HARTMANN, H., and PAPAIOANNOU, P. Olive varieties in California. *Calif. Agr. Expt. Sta. B. 720*, 55 p. Ref. Feb. 1951. 100 C12S

Delaware Agricultural Experiment Station, Newark

SEEGER, K. C., TOMHAVE, A. E., and LUCAS, W. C. A comparison of litters used for broiler production. *Del. Agr. Expt. Sta. B. 289*, 16 p. Apr. 1951. 100 D37S

SKOGLUND, W. C. The relationship between egg shape and hatchability in meat type strains of New Hampshires. *Del. Agr. Expt. Sta. Tech. B. 287*, 6 p. Apr. 1951. 100 D37S

Georgia Agricultural Experiment Station, Experiment

ELROD, J. M. Crimson clover variety and strain test, 1947-50. *Ga. Agr. Expt. Sta. Press B. 631*, 2 p. Mar. 28, 1951. 100 G29P

GEORGIA. AGRICULTURAL EXPERIMENT STATION. Sixty-second annual report, 1949/50. Experiment, 1950? 92 p. 100 G29S

Georgia Coastal Plain Experiment Station, Tifton

STANLEY, J. M., and SHEPHERD, J. L. Bright leaf tobacco curing barn construction. *Ga. Coastal Plain Expt. Sta. Mimeog. Paper 74*, 4 p. Jan. 1951. 100 G292M

GEORGIA. COASTAL PLAIN EXPERIMENT STATION. Spraying and dusting tomatoes for disease and insect control. *Ga. Coastal Plain Expt. Sta. Mimeog. Paper 76*, 2 p. Apr. 1951. 100 G292M

Hawaii Agricultural Experiment Station, Honolulu

NORDFELDT, S., and others. Production of soft pork in Hawaii. *Hawaii. Agr. Expt. Sta. Prog. Note 64*, 6 p. Mar. 1951. 100 H313P

K. Morita, I. Iwanaga, G. Fujimoto, K. J. Orr, and L. A. Henke, joint authors.

NORDFELDT, S., and others. Studies of Napier grass [*Pennisetum purpureum*]. I. Nutritive values; II. Optimum feeding level. *Hawaii. Agr. Expt. Sta. Tech. B. 12*, 8 p. Mar. 1951. 100 H313T

I. Iwanaga, A. K. S. Tom, and L. A. Henke, joint authors.

Illinois Agricultural Experiment Station, Urbana

JORDAN, G. L. What determines soybean prices. *Ill. Agr. Expt. Sta. B. 546*:171-195. Mar. 1951. 100 IL6S

ILLINOIS. AGRICULTURAL EXPERIMENT STATION. Research work at the Illinois Agricultural Experiment Station; report for 1948-1950. Urbana, 1951. 104 p. 100 IL6S

Indiana Agricultural Experiment Station, Lafayette

HICKS, J. W., and WOOD, G. B. Operations in retail and wholesale milk routes. *Ind. Agr. Expt. Sta. B. 556*, 43 p. Nov. 1950. 100 In2P

DISSLIN, H. G., and HEITZ, G. E. Budgeted farm production loans of production credit associations. *Ind. Agr. Expt. Sta. B. 557*, 31 p. Nov. 1950. 100 In2P

DISSLIN, H. G. Short-term agricultural loans of selected Indiana banks. *Ind. Agr. Expt. Sta. B. 558*, 43 p. Nov. 1950. 100 In2P

WILSON, M. C. The sweet clover weevil [*Sitona cylindricollis*] and its control in Indiana. *Ind. Agr. Expt. Sta. C. 369*, 8 p. Jan. 1951. 100 In2P

Iowa Agricultural Experiment Station, Ames

HURLBURT, V. L. Buying of farms in Story County, Iowa, 1940-48. *Iowa. Agr. Expt. Sta. Res. B. 377*: 981-1015. Dec. 1950. 100 Io9

NICKELL, P., and others. Farm family housing needs and preferences in the North Central Region. *Iowa. Agr. Expt. Sta. Res. B. 378*, 173 p. Feb. 1951. 100 Io9

M. Budolfson, M. Liston, and E. Willis, joint authors.

Maine Agricultural Experiment Station, Orono

MORAN, C. H. Forage crops recommendations. *Maine. Agr. Expt. Sta. Mimeog. Rpt. 13*, 9 p. Jan. 1951. 100 M28M

METZGER, H. B. Changes in costs of milk distribution in Maine, 1949-1950. *Maine. Agr. Expt. Sta. Mimeog. Rpt. 19*, 7 p. Apr. 1951. 100 M28M

Maryland Agricultural Experiment Station, College Park

GALLOWAY, R. E., HOUSER, P. M., and HOFF SOMMER, H. Community aspects of library planning. *Md. Agr. Expt. Sta. B. A-56*, 32 p. Mar. 1951. 100 M36S

MARYLAND. AGRICULTURAL EXPERIMENT STATION. One hundred questions and answers on liming land. *Md. Agr. Expt. Sta. B. A-60*, 32 p. Mar. 1951. 100 M36S

Minnesota Agricultural Experiment Station, University Farm, St. Paul

MINNESOTA farm and home science 8(2), 16 p. Feb. 1951. 100 M668

Mississippi Agricultural Experiment Station, State College

GALLOWAY, R. E., and KAUFMAN, H. F. Health practices of rural people in Lee County. *Miss. Agr. Expt. Sta. Sociol. & Rur. Life Ser. 1*, 13 p. Dec. 1950. 281.29 M693

Missouri Agricultural Experiment Station, Columbia

STALLCUP, O. T., and HERMAN, H. A. Some factors affecting the carotenoid and vitamin A levels in the blood and milk of dairy cattle. *Mo. Agr. Expt. Sta. Res. B. 457*, 56 p. Ref. July 1950. 100 M693

RAGSDALE, A. C., and others. Environmental physiology with special reference to domestic animals. IX. Milk production and feed and water consumption responses of Brahman, Jersey, and Holstein cows to changes in temperature, 50° to 105° F. and 50° to 8° F. *Mo. Agr. Expt. Sta. Res. B. 460*, 28 p. Sept. 1950. 100 M693

H. J. Thompson, D. M. Worstell, and S. Brody, joint authors.

KIBLER, H. H., and BRODY, S. Environmental physiology with special reference to domestic animals. X. Influence of temperature, 5° to 95° F., on evaporative cooling from the respiratory and exterior body surfaces in Jersey and Holstein cows. *Mo. Agr. Expt. Sta. Res. B. 461*, 19 p. Ref. Sept. 1950. 100 M693

HERMAN, H. A., and EDMONDSON, J. H. Factors affecting the interval between parturition and first estrus in dairy cattle. *Mo. Agr. Expt. Sta. Res. B. 462*, 8 p. Sept. 1950. 100 M693

FUNK, E. M., KEMPSTER, H. L., and DENDY, M. Y. Influence of nesting materials on the production of clean eggs. *Mo. Agr. Expt. Sta. Res. B.* 463,19 p. Sept. 1950. 100 M693

KIBLER, H. H., and BRODY, S. Environmental physiology with special reference to domestic animals. XI. Effects of temperature, 50° to 105° F and 50° to 90° F on heat production and cardiorespiratory activities in Brahman, Jersey and Holstein cows. *Mo. Agr. Expt. Sta. Res. B.* 464,18 p. Sept. 1950. 100 M693

SMITH, J. E., JR. Home floriculture. *Mo. Agr. Expt. Sta. C.* 352,20 p. Dec. 1950. 100 M693

LASLEY, J. F., and ANDERSON, G. C. Formulating rations for swine. *Mo. Agr. Expt. Sta. C.* 356,11 p. Mar. 1951. 100 M693

New Mexico Agricultural Experiment Station, State College

WALRATH, A. J. Marketing cattle in New Mexico. *N. Mex. Agr. Expt. Sta. B.* 360,29 p. Feb. 1951. 100 N465

New York (State) Agricultural Experiment Station, Geneva

FARM research 17(2),16 p. Apr. 1951. 100 N48A

North Carolina Agricultural Experiment Station, State College Station, Raleigh

ELLIS, D. E., and COX, R. S. Control stem anthracnose of lima beans. *N. C. Agr. Expt. Sta. Spec. C.* 11,10 p. Dec. 1950. 100 N81Sp

SMITH, C. F., and CLAYTON, C. N. Peach spray information. *N. C. Agr. Expt. Sta. Spec. C.* 12,11 p. Jan. 1951. 100 N81Sp

DE MOTTS, G., and SWANSON, D. Should farmers gamble with frost. *N. C. Agr. Expt. Sta. Spec. C.* 13, 8 p. Jan. 1951. 100 N81Sp

COOPER, W. E. Peanut seed treatment. *N. C. Agr. Expt. Sta. Spec. C.* 14,8 p. Apr. 1951. 100 N81Sp

ELLIS, D. E., and COX, R. S. The etiology and control of lettuce damping-off. *N. C. Agr. Expt. Sta. Tech. B.* 94,33 p. Ref. Feb. 1951. 100 N81

Ohio Agricultural Experiment Station, Wooster

METEER, J. W. Wood waste in Ohio. *Ohio. Agr. Expt. Sta. Res. B.* 698,29 p. Jan. 1951. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

CAMPBELL, J. D. Economic aspects of machine harvesting cotton in Oklahoma; the present costs, and future prospects. *Okl. Agr. Expt. Sta. B.* B-364, 15 p. Apr. 1951. 100 Ok4

CURRENT farm economics 24:35-57. Apr. 1951. 100 Ok4

Pennsylvania Agricultural Experiment Station, State College

ASEN, S., and LARSON, R. E. Artificial culturing of rose embryos. *Pa. Agr. Expt. Sta. Prog. Rpt.* 40, 4 p. Feb. 1951. 100 P381P

Puerto Rico Agricultural Experiment Station, Rio Piedras

ADSUAR, J. Studies on virus diseases of papaya (*Carica papaya*) in Puerto Rico. IV. Preliminary studies on the host range of papaya mosaic. *Puerto Rico (Rio Piedras) Agr. Expt. Sta. Tech. Paper* 5,5 p. Aug. 1950. 100 P83T

ADSUAR, J. Preliminary report of a mosaic disease of the resistant sugar cane variety Mayaguez-336. *Puerto Rico (Rio Piedras) Agr. Expt. Sta. Tech. Paper* 7, 9 p. Dec. 1950. 100 P83T

Tennessee Agricultural Experiment Station, Knoxville

TENNESSEE AGRICULTURAL EXPERIMENT STATION. Sixty-second annual report, 1949. Knoxville, 1950. 177 p. 100 T25S

Texas Agricultural Experiment Station, College Station

MOSES, T., ed. Agricultural research publications available; technical articles published during 1950. *Tex. Agr. Expt. Sta. C.* 128,50 p. Mar. 1951. 100 T31S

BUCKINGHAM, M., and POTTS, R. C. Crops for silage and forage at Mt. Pleasant, 1950. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1344,1 p. Mar. 22, 1951. 100 T31P

HAMILTON, R. D., WHITFIELD, C. J., and REA, H. E. Chemical control of Johnson grass on a heavy soil in northwest Texas. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1345,3 p. Mar. 27, 1951. 100 T31P

SORENSEN, J. W., and DAVENPORT, M. G. Drying broom corn in Texas. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1350,4 p. Apr. 2, 1951. 100 T31P

SORENSEN, J. W., and DAVENPORT, M. G. A drier for broom corn. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1351,3 p. Apr. 3, 1951. 100 T31P

DAVENPORT, M. G., HALL, R. A., and SORENSON, J. W. Drying and storing flax seed in south Texas. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1352,7 p. Apr. 3, 1951. 100 T31P

QUINBY, J. R., and VAN HORN, D. L. Castor beans as a crop in the northern Rolling Plains area. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1354,2 p. Apr. 6, 1951. 100 T31P

HUTSON, H. C., and POTTS, R. C. Crops for silage and forage at Nacogdoches, 1949-50. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1358,2 p. Apr. 10, 1951. 100 T31P

LEEPER, P. W., and BURLESON, C. A. Cabbage variety trials in the Lower Rio Grande Valley, 1950-51. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1361,2 p. Apr. 14, 1951. 100 T31P

DAVIS, S. P., and GABBARD, L. P. Grading wool at shearing pens and marketing on a basis of quality. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1363,5 p. Apr. 18, 1951. 100 T31P

HERVEY, R. J., FISHER, F. L., and JOHNSTON, J. R. Cotton root rot and land use studies at the Blackland Experiment Station. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1364,4 p. Apr. 21, 1951. 100 T31P

BRYANT, M. D., and LYERLY, P. J. Tomato variety trials in the El Paso Valley, 1950. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1365,2 p. Apr. 21, 1951. 100 T31P

GARDENHIRE, J. H., and DUDLEY, D. I. Denton cotton variety tests, 1946-50. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1366,2 p. Apr. 23, 1951. 100 T31P

CHERRY, R. G., and GABBARD, L. P. Trend of taxes on farm and ranch real estate in Texas, 1950. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1368,1 p. May 14, 1951. 100 T31P

Utah Agricultural Experiment Station, Logan

ISRAELSEN, O. W., PETERSON, D. F., JR., and REEVE, R. C. Effectiveness of gravity drains and experimental pumping for drainage, Delta Area, Utah. *Utah. Agr. Expt. Sta. B.* 345,64 p. Feb. 1950. 100 Ut1

U. S. Regional Salinity and Rubidoux Laboratories co-operating.

KNOWLTON, G. F., and KARDOS, E. H. Celery field insects of Utah. *Utah. Agr. Expt. Sta. Mimeog. Ser.* 376,8 p. May 5, 1951. 100 Ut1Mi

FARM and home science 12(1),20 p. Mar. 1951. 100 Ut1F

Wyoming Agricultural Experiment Station, Laramie

PRIER, J. E. Brucellosis! *Wyo. Agr. Expt. Sta. C.* 40,8 p. Mar. 1951. 100 W99

STATE AGRICULTURAL EXTENSION SERVICE
PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction

California University, College of Agriculture, Agricultural Extension Service, Berkeley

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Fresno County grape management study, by R. A. Break and B. B. Burlingame. Berkeley, 1951? 13 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Orange County avocado production cost analysis, by W. Sullivan. Berkeley? 1951? 11 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 rabbit management study, Los Angeles County, by A. T. Dietz and W. Sullivan. Berkeley? 1951? 6 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Twenty third annual Sacramento poultry management study, 1950, by A. D. Reed, J. T. Peterson, and E. R. Temperli. Berkeley? 1951? 14 p. 275.29 C12En

Florida University, College of Agriculture, Agricultural Extension Service, Gainesville

WATKINS, J. V. Herbaceous perennials. Fla. Agr. Col. Ext. B. 146, 32 p. Jan. 1951. 275.29 F66

THURSBY, I. S. Canning, salting, smoking, cooking Florida fish. Fla. Agr. Col. Ext. B. 147, 22 p. Feb. 1951. 275.29 F66

BROOKS, A. N., and KELSHEIMER, E. G. Strawberries in Florida; culture, diseases, and insects. Fla. Agr. Col. Ext. B. 148, 32 p. Feb. 1951. 275.29 F66

FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 report. Gainesville, 1951? 91 p. 275.29 F66A

Kansas State College of Agriculture and Applied Science, Extension Service, Manhattan

LOVE, H. C., and COOLIDGE, J. H. Making your farm pay. Kans. State Col. Agr. Ext. C. 226, 19 p. Dec. 1950. 275.29 K13Ex

BRIGGS, V. How do you rate as a parent? Kans. State Col. Agr. Ext. L. 7, 4 p.-folder. June 1950. 275.29 K13Le

BRIGGS, V. My child and me. Kans. State Col. Agr. Ext. L. 8, 4 p.-folder. Dec. 1950. 275.29 K13Le

DUNCAN, D. P. Windbreaks for Kansas. Rev. Kans. State Col. Agr. Ext. L. 9, 6 p.-folder. Feb. 1951. 275.29 K13Le

Revised by P. E. Collins.

Maryland University, Colleges of Agriculture and Home Economics, Extension Service, College Park

BENDER, E. K. Maryland vegetable varieties for 1951 for planting and freezing. Md. Agr. Col. Ext. Fact Sheet 1, 1 p. Feb. 1951. 275.29 M36Fa

STARK, F. C. Fertilizer recommendations for tomatoes in Maryland. Md. Agr. Col. Ext. Fact Sheet 2, 2 p. Feb. 1951. 275.29 M36Fa

STIER, H. L. Maryland's sweet potato industry. Md. Agr. Col. Ext. Fact Sheet 3, 2 p. Feb. 1951. 275.29 M36Fa

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

WERNER, H. O. Growing and storing Progress potatoes. Nebr. Agr. Col. Ext. C. 1272, 15 p. Mar. 1951. 275.29 N272Ex

North Carolina University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

MAUPIN, C. J., and others. Laying flock management. N. C. Agr. Col. Ext. C. 279, rev., 16 p. Feb. 1951. 275.29 N811

C. F. Parrish, T. B. Morris, and W. G. Andrews, joint authors.

BENNETT, R. R., HAWKS, S. N., JR., and GARRISS, H. R. Tobacco varieties in North Carolina. N. C. Agr. Col. Ext. C. 302, rev., 19 p. Feb. 1951. 275.29 N811

FULLMER, O. H., KULASH, W. M., and JONES, G. D. Cotton insect control in North Carolina. N. C. Agr. Col. Ext. C. 312, rev., 16 p. Mar. 1951. 275.29 N811

TURNER, W. L., and others. Better living for landowners and tenants. N. C. Agr. Col. Ext. C. 359, 12 p. Mar. 1951. 275.29 N811

C. B. Ratchford, H. B. James, G. W. Forster, P. E. Gordon, J. C. Powell, and E. Van Landingham, joint authors.

NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Profits with a cow-and-calf program. N. C. Agr. Col. Ext. Folder 79, 6 p. Feb. 1951. 275.29 N811Ex

NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Profits with a brood sow & pig program. N. C. Agr. Col. Ext. Folder 83, 6 p. Mar. 1951. 275.29 N811Ex

Ohio State University, College of Agriculture, Agricultural Extension Service, Columbus

OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Legume seed production in Ohio, by D. F. Beard. Columbus, 1950. 4 p. 275.2 Oh32Le

South Carolina, Clemson Agricultural College, Extension Service, Clemson

GOODING, P. H. Laying houses and equipment. Clemson Agr. Col. S. C. Ext. C. 174, 23 p. May 1951. 275.29 So8E

Texas Agricultural and Mechanical College, Agricultural Extension Service, College Station

SMITH, A. L., and others. Creep feeding beef calves. Tex. Agr. Col. Ext. C. 289, 8 p. Jan. 1951. 275.29 T312C

U. D. Thompson, J. H. Jones, and J. K. Riggs, joint authors.

TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. A handy clothes hamper. Tex. Agr. Col. Ext. L. 125, 4 p. Dec. 1950. 275.29 T313

Washington State College, Extension Service, Pullman

MOSHER, M. M., and LUNNUM, K. Trees of Washington. Wash. State Col. Ext. B. 440, 40 p. Mar. 1951. 275.29 W27P

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Our common job. Wash. State Col. Ext. B. 449, 34 p. Mar. 1951. 275.29 W27P

Papers presented by E. V. Ellington, B. L. Orell, W. Johnson, J. E. White, P. C. McGrew, W. H. Mann, W. Duffy, W. W. Johnson, and J. C. Knott at the Annual Conference of the Agricultural Extension Service, Pullman, Dec. 15, 1950, on the theme: How the Extension Service can help us and how we can help the Extension Service.

BREAKEY, E. P., and WEBSTER, R. L. Insect pests of small fruits. Wash. State Col. Ext. B. 450, 36 p. Apr. 1951. 275.29 W27P

- ECKBLAD, I. M. Speedy meals with a pressure sauce pan. Wash. State Col. Ext. Mimeog. 367, rev., 6 p. Jan. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging table setting. Wash. State Col. Ext. Mimeog. 413, 1 p. Mar. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging cookies. Wash. State Col. Ext. Mimeog. 558, rev., 2 p. Mar. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging yeast bread. Wash. State Col. Ext. Mimeog. 572, rev., 2 p. Mar. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging rolled cookies. Wash. State Col. Ext. Mimeog. 648, 2 p. Mar. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging frozen poultry. Wash. State Col. Ext. Mimeog. 656, 1 p. Mar. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. An ironing unit 4-H project. Wash. State Col. Ext. Mimeog. 707, 2 p. Mar. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Unit kitchen regulations. Wash. State Col. Ext. Mimeog. 719, 4 p. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Score card for dress revue. Wash. State Col. Ext. Mimeog. 750, rev., 1 p. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Agree-disagree questions on 4-H contests and awards. Wash. State Col. Ext. Mimeog. 753, 1 p. 1951? 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington State 4-H policies effective Jan. 1, 1951. Wash. State Col. Ext. Mimeog. 758, 3 p. Jan. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Contests—their educational function in project work. Wash. State Col. Ext. Mimeog. 759, 1 p. 1951? 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. 4-H enrollment procedure. Wash. State Col. Ext. Mimeog. 760, 1 p. Jan. 1951. 275.29 W27Mi
- JUSTIN, M. M. The responsibility of the family in today's world. Wash. State Col. Ext. Mimeog. 795, 7 p. 1950. 275.29 W27Mi
- ECKBLAD, I. M. Mealtime in bed. Wash. State Col. Ext. Mimeog. 953, 5 p. Mar. 1951. 275.29 W27Mi
- BENGEL, U. My life in Germany. Wash. State Col. Ext. Mimeog. 962, 3 p. Mar. 1951. 275.29 W27Mi
- JONES, G. Points for discussion leaders. Wash. State Col. Ext. Mimeog. 963, 1 p. 1951? 275.29 W27Mi
- MURDOCK, F. R. The effect of antibiotics on the growth and well being of dairy calves. Wash. State Col. Ext. Mimeog. 967, 2 p. Mar. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington chick hatcheries. Wash. State Col. Ext. Mimeog. 984, 5 p. Apr. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington turkey hatcheries. Wash. State Col. Ext. Mimeog. 985, 2 p. Apr. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington State 4-H Club constitution. Wash. State Col. Ext. Mimeog. 986, 3 p. 1951? 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Recommended livestock classifications. Wash. State Col. Ext. Mimeog. 990, 7 p. 1951? 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Classification for dairy cattle. Wash. State Col. Ext. Mimeog. 991, 1 p. 1951? 275.29 W27Mi
- LUNNUM, K. 4-H forestry guide. Wash. State Col. Ext. Mimeog. 993, 17 p. Apr. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. A 4-H service of dedication. Wash. State Col. Ext. Mimeog. 999, 2 p. 1951? 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Farm record analysis, central Washington, 1950. Wash. State Col. Ext. Mimeog. 1001, 2 p. 1951? 275.29 W27Mi
- ECKBLAD, I., and HOBSON, K. Plan your family's yearly food supply. Wash. State Col. Ext. Mimeog. 1002, 2 p. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Score card for judging recreation leadership. Wash. State Col. Ext. Mimeog. 1006, 1 p. Apr. 12, 1951. 275.29 W27Mi
- ANDERSON, C., and others. Today's home builds tomorrow's world. Washington information kit, Home Demonstration Week, 1951. Wash. State Col. Ext. Mimeog. 1008, unpag. Apr. 11, 1951. 275.29 W27Mi
- A. J. Erickson, A. Bond, and D. Fairbanks, joint authors.
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Information program, grassland agriculture, State of Washington. Wash. State Col. Ext. Mimeog. 1010, 5 p. 1951? 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. Printed and mimeographed material available to county extension services. Wash. State Col. Ext. Mimeog. 1014, 119 p. Apr. 1951. 275.29 W27Mi
- WASHINGTON. STATE COLLEGE. EXTENSION SERV. For every child a fair chance toward developing a healthy personality; pamphlets for parents, youth, study groups and community leaders. Wash. State Col. Ext. Mimeog. 1018, 3 p. Apr. 1951. 275.29 W27Mi
- ECKBLAD, I. Family meals for special occasions. Wash. State Col. Ext. Mimeog. 1020, 12 p. Apr. 1951. 275.29 W27Mi

FOOD AND AGRICULTURE ORGANIZATION OF THE
UNITED NATIONS

Includes publications received in the library during the preceding month.

FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS. U. S. INTERAGENCY COM-
MITTEE. Long-term trends of FAO for use in connec-
tion with the program of work and budget for 1952 and
1953; recommendations of the United States. Washington,
1951? 30 p. 389.9 F7354L

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- 56200 AMERICAN FORESTRY ASSOCIATION. Report on American big trees. III. Amer. Forests 57(6):26. June 1951. 99.8 F762
- 56201 BAILY, A. L., JR. The amenities of tree collecting. Gard. J. 1:12, 19. Jan./Feb. 1951. 80 G1635
- 56202 BALLS, E. K. Spring in the Colorado desert: I-II. Gard. Chron. 129:140-141, 148-149. (Concl.) May 5-12, 1951. 80 G162
- Vegetation.
- 56203 BAYMA, C. The Itatiaia National Park. (In Portuguese.) Seleç. Agr. 6(58):11-13. Feb. 1951. 9.2 Se4
- 56204 BLUMEN atlas, pt. 1-3. Berlin, Botanisches Museum, 1950. 459 B624
- 56205 BOCHER, T. W. Botanical investigations in southwest Greenland, 1946. Arctic 4:46-49. May 1951. 470 Ar22
- 56206 BOERNER, Die "DDG" [Deutsche Dendrologische Gesellschaft]. Deut. Baumsch. 3:49-50. (Concl.) Feb. 1, 1951. 80 D486
- 56207 BONHAM, H. J. Aids to botany. Ed. 9. London, Baillière, Tindall & Cox, 1950. 223 p. 463 B642
- 56208 BROCKMANN, H., and others. Antibiotica aus Actinomyceten. V-VI. Chem. Ber. 84:260-288. 1951. 384 B45
- V, Über das actinomycin C, by H. Brockmann, N. Grubhofer, W. Kass, and H. Kalbe; VI, Pikromycin, ein bitter schmeckendes antibioticum aus Actinomyceten, by H. Brockmann, and W. Henkel.
- 56209 BRUMMITT, MRS. A. What's in a name? Orchid Rev. 59:70-71. (Concl.) May 1951. 80 Or15
- 56210 CHANEY, R. W. A revision of fossil Sequoia and Taxodium in western North America based on the recent discovery of Metasequoia. Amer. Philos. Soc. Trans (n.s.) 40:171-239. Ref. 1950. 500 P533T
- 56211 CHIGURIAEVA, A. A. Note on the Tertiary flora of Elgen River [in Srednikan District]. (In Russian.) Bot. Zhur. 35:655. Nov./Dec. 1950. 451 R923
- 56212 DEGENER, O. Kalalau valley, Island of Kauai, Hawaii. Gard. J. 1:3-4. Jan./Feb. 1951. 80 G1635
- Vegetation.
- 56213 EDWIN, G. A quicker more satisfactory method for soaking and re-pressing dried plant specimens. Rhodora 53:113-114. Apr. 1951. 450 R34
- 56214 FEDOROVA, R. V. On findings of Carpinus betulus and Fagus pollen in the recent lake deposits near Ergene. (In Russian.) Priroda 39(12):60-61. Dec. 1950. 410 P933
- 56215 GOTHAN, W. Über eine neue farnfruktifikation (Waldenburgia corynepteroides, nov. gen. et sp.) des niederschlesischen karbons. Arkiv f. Bot. (n.s.) 1:349-354. 1950. 451 Sv2
- 56216 GOTTLIEB, D., and others. Endomycin, a new antibiotic. Phytopathology 41:393-400. Ref. May 1951. 464.8 P56
- P. K. Bhattacharyya, H. E. Carter, and H. W. Anderson, joint authors.
- 56217 HOUTEN, J. G. TEN., and others. Impressions from the 7th International Botanical Congress at Stockholm (July 12-20, 1950). (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 13:869-894. Dec. 1950. 86 N384
- T. H. Thung, D. Mulder, J. C. Schreuder, and S. de Boer, joint authors.
- 56218 KEEN, B. A. Quelques progrès scientifiques en matière d'agriculture. Paris, Dunod, 1950. 67 p. 30 K25
- Les hommes et leur nourriture, publié sous les auspices de l'UNESCO.
- Plants and soils.
- 56219 LAURIE, C. M. Laurie's elementary botany, rev. by W. Munn Rankin. Ed. 13, rev. London, Allman, 1950. 194 p. 463 L372
- 56220 LEACH, T. Pacific Coast Arboretum; the University [of British Columbia] is developing a 300-acre home for our native and foreign plants. Family Herald & Wk. Star 82(19):5, 19. May 10, 1951. 7 F31
- 56221 LIDGARD, L. H. The interdependence of plants and animals. Lincoln Col. Rur. Educ. B. 6:2-16. Feb. 1951. 109 C162
- 56222 LITVINOV, M. A., and MOISEEVA, E. N. Antibiotic lenzitin. (In Russian.) Priroda 40:60-62. Jan. 1951. 410 P933
- Lenzites sepiaria.
- 56223 MIROV, N. T. Geography of Russia. New York, Wiley, 1951. 362 p. 331 M67
- Includes vegetation.
- 56224 MITCHELL, H. V. Color photography of Camellias. Amer. Camellia Ybk. 1950:298-301. 97.31 Am32
- 56225 OLSEN, H. K. Plant research 1950. (In Danish.) (Excerpts.) Tolvmandsbladet 23:38-41. Feb. 1951. 11 T58
- 56226 OSBORN, E. M., and HARPER, J. L. Antibiotic production by growing plants of Leptosyne maritima. Nature [London] 167:685-686. Apr. 28, 1951. 472 N21
- 56227 OVADIA, J. Des arbres, des arbres. Egypte Agr. 49(391):7-17. Jan./Feb. 1951. 24 Un32
- 56228 PALMER, E. Man disturbs mouse—now forests won't grow! New pest causes £1,000,000 damage and emphasises need for Biological Survey Department to study the intricate web of our plant and animal life. Veldtrust 12:17-19. Jan. 1951. 56.8 V54
- 56229 PEASE, A. S. The New England Botanical Club a half-century ago and later. Rhodora 53:97-105. Apr. 1951. 450 R34
- 56230 PEL'T, N. N. Lands of ancient irrigation. (In Russian.) Priroda 40:52-56. Ref. Jan. 1951. 410 P933
- Vegetation and soils in the downstream areas of Syr Darya and Amu Darya Rivers.
- 56231 SCHACKE, E. The Danish Heath Society. Scot. Geog. Mag. 67:45-54. Apr. 1951. 472 Sco8
- 56232 SCHÖNICHEN, W. Natur als Volksgut und menschheitsgut. Stuttgart, Ulmer, 1950. 177 p. 279 Sch6Na
- Includes plant conservation.
- 56233 SELLING, O. H. Some Tertiary plants from Australia. Preliminary report. Svensk Bot. Tidskr. 44: 551-561. Ref. 1950. 450 Sv2
- 56234 SEN, S., and NANDI, P. Antibiotics from the Pteridophytes. Sci. & Cult. 16:328-329. Ref. Jan. 1951. 475 Sci24
- 56235 SEYSER, W. Holstabelle für tümpelfahrten; ein bestimmungsbuch der pflanzen- und tierwelt in und an gewässern der heimat. Ed. 2, rev. & enl., by H. Balze-reit. Braunschweig, 1950. 194 p. (Wenzel Bücherei. Reihe D, Bd. 3-6) 409 Se9
- Includes aquatic insects.
- 56236 SHCHERBAK, I. F. Bactericidal action of extracts from onion scales. (In Russian.) Priroda 39 (12):49-50. Dec. 1950. 410 P933
- 56237 STRESHINSKII, M. O. Controlled change of capacity for forming antibiotic substances in bacterial form of Bacillus subtilis group. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 18:210-214. 1950. 442.9 P44
- 56238 VASIL'CHENKO, I. T. Conference of botanists and plant-breeders. (In Russian.) Priroda 39(11):77-78. Nov. 1950. 410 P933
- Peryoe Vsesoyuznoe Soveshchanie Botanikov i Selektionerov in Leningrad, Mar. 24-27, 1950.
- 56239 VASIL'EV, A. V., and KRISHTOFOVICH, A. N. Ivan Valdimirovich Palibin (1872-1949). (In Russian.) Bot. Zhur. 35:684-691. Nov./Dec. 1950. 451 R923
- His contribution to paleobotany.
- 56240 VAUGHAN, B. Botany in Brazil. (In Portuguese.) Chacaras e Quintais 83:453-454. Apr. 15, 1951. 9.2 C34
- 56241 VÖTH, W. Der botanische garten zu München. I. Berufsgärtner 4:2-3. Jan. 1951. 80 B463
- 56242 VRIES, V. DE. Vlieland, landschap en plantengroei [Vlieland, landscape and vegetation]. Leiden, Brill, 1950. 119 p. 459.4 V96
- 56243 WALKER, L. W. Boogum [Idria columnaris]—desert contortionist. Nat. Hist. 60:224-226. May 1951. 500 N483J
- 56244 WARD, J. D. U. Alien trees. Town & Country Planning 19:259-263. June 1951. 98.58 T66
- England.
- 56245 WARD, J. D. U. A broadcast—and some Latin names. Gard. Illus. 68:167. June 1951. 80 G169
- Use of Latin names.

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

- 56246 ALVEN, E. Some plants from Västmanland. (In Swedish.) Bot. Not. 4:466-467. 1950. 450 B656
- 56247 FOSBERG, F. R. The American element in the Hawaiian flora. Pacific Sci. 5:204-206. Apr. 1951. 475 P11
- 56248 HEGI, G. Alpenflora; die verbreitetsten Alpenpflanzen von Bayern, Österreich und der Schweiz. Ed. 9, rev. by H. Merxmüller. München, Hanser, 1950. 93 p. 459 H363Ag

- 56249 HERBERT, D. A. The flora of Australia. *Discovery* 12:115-121. Apr. 1951. 472 D63
- 56250 JANCHEN, E. Beiträge zur benennung, verbreitung und anordnung der farn- und blütenpflanzen österreichs, II. *Phyton* 2:302-315. 1950. 450 P565
- 56251 JORDAL, L. H. Plants from the vicinity of Fairbanks, Alaska. *Rhodora* 53:156-159. June 1951. 450 R34
- 56252 LAKELA, O. Previously unreported plants from Minnesota. *Rhodora* 53:159-160. June 1951. 450 R34
- 56253 PULLE, A., ed. Flora of Suriname (Netherlands Guyana), v. 3, pt. 2. Indisch Inst. Afr. Trop. Prod. Meded. 11:49-256. 1951. 503 Am82
- 56253 WATERFALL, U. T. More additions to the Oklahoma flora. *Rhodora* 53:130-133. May 1951. 450 R34
- Spermatophytes**
- 56254 ARNOLD, R. E. *Masdevallia civilis*. *Orchid Rev.* 59:68-69. May 1951. 80 Or15
- 56255 BACKEBERG, C. Some results of twenty years of Cactus research. III. An annotated list of my new genera, species, varieties and combinations. *Cactus & Succulent J.* 23:45-52. Mar./Apr. 1951. 451 C11
- 56256 BENL, G. Zur systematik der Cyperaceengattung *Gahnia* Forst. *Bot. Jahrb.* 75:82-89. 1950. 450 En3B
- 56257 BLAKE, S. F. A white form of *Trilisa paniculata*. *Rhodora* 53:114. Apr. 1951. 450 R34
- 56258 BROWN, J. R. Notes on *Haworthias*. *Cactus & Succulent J.* 23:42. Mar./Apr. 1951. 451 C11
- 56259 BUCHHOLZ, J. T. A flat-leaved pine from Annam, Indo-China. *Amer. J. Bot.* 38:245-252. Ref. Apr. 1951. 450 Am36
Provisionally referred to *Pinus krempfii* poilanei.
- 56260 BUINING, A. F. H. *Lobivia uitewaaleana* spec. nova. *Buining. Natl. Cactus & Succulent J.* 6:15. Mar. 1951. 450 N21
- 56261 BUSCHMANN, A. Die makaronesischen *Deschampsia*-arten. *Phyton* 2:276-287. Ref. 1950. 450 P565
From the Azores, Madeira, Canary Islands and Cape Verde Islands.
- 56262 BUXBAUM, F. Where does the genus *Astrophytum* belong? *Natl. Cactus & Succulent J.* 6:4-5. Mar. 1951. 450 N21
- 56263 CARDENAS, M. Notes on eastern Bolivian *Cactaceae*. *Natl. Cactus & Succulent J.* 6:8-9. Mar. 1951. 450 N21
- 56264 CHATTERJEE, R., and GUHA, M. P. Studies on *Mahonia* genus. IV. *M. leschenaultii* (Wall.) Takeda, *M. manipurensis* Takeda, and *M. sikkimensis* Takeda. *Amer. Pharm. Assoc. J. Sci. Ed.* 40:229-232. May 1951. 396.9 Am33J
- 56265 CLAUSEN, R. T. *Smilax hispida* versus *S. tamnoides*. *Rhodora* 53:109-111. Apr. 1951. 450 R34
- 56266 DAVIS, P. H. Three new species from the nearer east. *Edinb. Roy. Bot. Gard. Notes* 21:46-52. 1951. 451 Ed42N
Stachys megalodonta, *Teucrium stachyophyllum*, and *Verbascum petrae*.
- 56267 DETLING, L. E. The caespitose lupines of western North America. *Amer. Midland Nat.* 45:475-499. Ref. Mar. 1951. 410 M58
- 56268 DONALD, J. D. An introduction to some new genera and subgenera proposed by C. Backeberg. *Natl. Cactus & Succulent J.* 6:12-14. Mar. 1951. 450 N21
From *Lobivia* and *Echinopsis*.
- 56269 ELKAN, E. *Euphorbiae* for beginners. *Natl. Cactus & Succulent J.* 6:16-17. (To be cont.) Mar. 1951. 450 N21
- 56270 EVERS, R. A. Four plants new to the Illinois flora. *Rhodora* 53:111-113. Apr. 1951. 450 R34
Specularia biflora, *Rudbeckia missouriensis*, *Heliotropium tenellum*, and *Eriochloa villosa*.
- 56271 FRIES, R. E. Contributions to the knowledge of the *Annonaceae* in northern South America. *Arkiv f. Bot.* (n.s.) 1:329-347. 1950. 451 Sv2
New species in *Crematosperma*, *Guatteria*, *Unonopsis*, *Xylopia*, *Anaxagorea* and *Cymbopetalum*.
- 56272 HANSEN, I. Die europäischen arten der gattung *Erica* L. *Bot. Jahrb.* 75:1-81. Ref. 1950. 450 En3B
- 56273 HAWKES, A. D. The minor genera of cultivated orchids. *Orchid Digest* 15:74-76. (Cont.) Mar./Apr. 1951. 80 Or172
- 56274 HAYES, S. F., KEENAN, J., and COWAN, J. M. A survey of the anatomy of the *Rhododendron* leaf in relation to the taxonomy of the genus. *Edinb. Roy. Bot. Gard. Notes* 21:1-34. 1951. 451 Ed42N
- 56275 HENNEN, J. F. Keys to Texas genera of clovers (*Leguminosae*). *Field & Lab.* 19:89-90. Apr. 1951. 470 F76
- 56276 HENNEN, J. F. The sweet clovers (*Melilotus*) of Texas. *Field & Lab.* 19:87-89. Apr. 1951. 470 F76
- 56277 HOLMBERG, U. New find in Sweden of *Illecebrum verticillatum*. (In Swedish.) *Bot. Not.* 4:467-469. 1950. 450 B656
- 56278 IRMSCHER, E. Beiträge zur kenntnis der Begoniaceen Südamerikas. *Bot. Jahrb.* 74:569-632. Ref. 1949. 450 En3B
Includes new species in *Begonia* and *Begoniella*.
- 56279 IRMSCHER, E. Some new Chinese species of *Begonia*. *Edinb. Roy. Bot. Gard. Notes* 21:35-45. 1951. 451 Ed42N
- 56280 JONES, G. N., and others. Additional records of some Illinois vascular plants. *Amer. Midland Nat.* 45:500-503. Ref. Mar. 1951. 410 M58
H. E. Ahles, G. D. Fuller, and G. S. Winterringer, joint authors.
- 56281 KIMNACH, M. *Rhipsalidopsis rosea*. *Cactus & Succulent J.* 23:53-55. Ref. Mar./Apr. 1951. 451 C11
- 56282 KOSTERMANS, A. J. G. H. Notes on *Pterocymbium* R. Br. (*Sterculiaceae*). *Reinwardtia* 1:41-49. Dec. 1950. 450 R272
- 56283 KÜKENTHAL, G. Vorarbeiten zu einer monographie der *Rhynchosporiidae*. *Bot. Jahrb.* 75:90-126. (To be cont.) 1950. 450 En3B
- 56284 LAHMAN, M. S. Beauties of wasteland. *Cactus & Succulent J.* 23:57-59. Mar./Apr. 1951. 451 C11
Cacti.
- 56285 LAKING, L. *Peltandra virginica* in Welland County, Ontario. *Rhodora* 53:135-136. May 1951. 450 R34
- 56286 LEONARD, J. J. G. Note sur les genres paléotropicals *Azella*, *Intsia* et *Pahudia* (*Legum.-Caesalp.*). *Reinwardtia* 1:61-66. Ref. Dec. 1950. 450 R272
- 56287 LID, J. A large *Salix phylicifolia* in Dovre, central Norway. (In Norwegian.) *Blyttia* 8:165-166. 1950. 450 B622
English summary.
- 56288 LINDSAY, G. The giant *Talinum*; *Talinum guadalupense* Dudley. *Cactus & Succulent J.* 23:35-39. Mar./Apr. 1951. 451 C11
- 56289 LOVE, A., and SØRENSEN, T. *Puccinellia phryganodes* is not found in Iceland. *Bot. Not.* 4:470. 1950. 450 B656
- 56290 LUTHER, H. *Ligusticum scoticum* L., new to Upperland, and other plants from the Oregrund archipelago. (In Swedish.) *Bot. Not.* 4:457-462. Ref. 1950. 450 B656
- 56291 MARSHALL, W. T. Arizona's cactuses. *Desert Bot. Gard. Ariz. Sci. B.* 1,111 p. Dec. 1950. 451 T24
- 56292 PILGER, R. *Additamenta agrostologica*. III. *Bot. Jahrb.* 74:554-557. 1949. 450 En3B
Includes *Homoeachne* n.g.
- 56293 PILGER, R. Eine neue *Plantago*-art [*P. bradei*] aus Brasilien. *Bot. Jahrb.* 74:568. 1949. 450 En3B
- 56294 PILGER, R. Sobre el género "*Scleropogon*". *Phil. Rev. Argentina de Agron.* 18:46-53. Mar. 1951. 9 R327
- 56295 RAIZADA, M. B., and JAIN, S. K. First record of the genus *Euclasta* Franch. (*Gramineae*) in India. *Indian Forester* 77:267-268. Apr. 1951. 99.8 In2
- 56296 RAO, K. S. S., and RAGHAVAN, T. S. The genus *Erianthus*: some cyto-taxonomic considerations. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):(55)-(60). Ref. 1951. 65.9 C766
- 56297 RAYCRAFT, I. *Cypripedium philippinense*. *Orchid Digest* 15:66. Mar./Apr. 1951. 80 Or172
- 56298 RECHINGER, K. H., JR. *Reliquiae samuelsonianae*. *Arkiv f. Bot.* (n.s.) 1:301-327. 1950. 451 Sv2
New species in *Eremurus*, *Allium*, *Fritillaria*, *Buifonia*, *Papaver*, *Camelina*, *Alyssum*, *Trigonella*, *Trifolium*, *Astragalus*, *Hedysarum*, *Lathyrus*, *Linum*, *Althaea*, *Helianthemum*, *Daphne*, *Cymbocarpum*, *Convolvulus*, *Alkanna*, *Nepeta*, *Salvia*, *Linaria*, *Veronica*, *Crucianella*, *Gallium*, *Valerianella*, *Anthemis*, *Centaurea* and *Carthamus*.
- 56299 RESCH, O. Auf orchideenjagd in Brasilien. *Gart.-Z. Illus. Flora* 74:2-4. Jan. 1951. 80 G1991
- 56299 ROSENDAHL, C. O. A new *Heuchera* from Missouri together with some notes on the *Heuchera parviflora* group. *Rhodora* 53:105-109. Apr. 1951. 450 R34
- 56300 ROWLEY, G. Succulents in the Bates Collection. I. *Gasteria carinata*, Mill. *Natl. Cactus & Succulent J.* 6:6. Mar. 1951. 450 N21
- 56301 SCHWANTES, G. The *Lithopinae*. *Natl. Cactus & Succulent J.* 6:1-3. (Cont.) Mar. 1951. 450 N21
- 56302 SENIOR, R. M. The genus *Edraianthus*. *Amer. Rock Gard. Soc. B.* 9:26-28. Mar./Apr. 1951. 81 Am342

- 56303 SHINNERS, L. H. *Allium fraseri* (M. Ownbey) Shinners, comb. nov. Field & Lab. 19:104. Apr. 1951. 470 F76
- 56304 SHINNERS, L. H. *Cynanchum barbigerum* (Scheele) Shinners, comb. nov. Field & Lab. 19:65. Apr. 1951. 470 F76
- 56305 SHINNERS, L. H. The north Texas species of *Heterotheca*, including *Chrysopsis* (Compositae). Field & Lab. 19:66-71. Apr. 1951. 470 F76
- 56306 SHINNERS, L. H. The north Texas species of *Hymenocallis* (Amaryllidaceae). Field & Lab. 19:102-104. Apr. 1951. 470 F76
- 56307 SHINNERS, L. H. Notes on Texas Compositae—VII. Field & Lab. 19:74-82. Apr. 1951. 470 F76
Includes new species in *Xanthocephalum* and *Pyrrhopappus*.
- 56308 SHINNERS, L. H. *Rhus aromatica* Ait. var. *fiabelliformis* Shinners, var. nov. Field & Lab. 19:86-87. Apr. 1951. 470 F76
- 56309 SLEUMER, H. Ein system der gattung *Rhododendron* L. Bot. Jahrb. 74:511-553. 1949. 450 En3B
- 56310 SMITH, J. J. *Icones orchidacearum* Malayensium: additamenta. Reinwardtia 1:1-25. Dec. 1950. 450 R272
- 56311 STEYERMARK, J. A. The genus *Tapeinostemon* (Gentianaceae). Lloydia 14:58-64. Mar. 1951. 442.8 L77
- 56312 STEYERMARK, J. A. A glabrous variety of *Silphium terebinthinaceum*. Rhodora 53:133-135. May 1951. 450 R34
- 56313 STØRMER, P. Key to the species of *Phalaris* found in Norway. (In Norwegian.) Blyttia 8:156-159. 1950. 450 B622
English summary.
- 56314 TURNER, B. L. *Justicia warnockii* (Acanthaceae), a new species from Trans-Pecos Texas. Field & Lab. 19:100-101. Apr. 1951. 470 F76
- 56315 VOIGT, J. W. Additional collections of *Andropogon elliotii* Chapm. in southern Illinois. Rhodora 53:128-130. May 1951. 450 R34
- 56316 WENDELBO, P. *Sempervivella mucronata*, a tenacious plant. (In Norwegian.) Blyttia 8:166-167. 1950. 450 B622
English summary.
- 56317 WINTERRINGER, G. S. New and infrequently collected Illinois plants. Amer. Midland Nat. 45:504-506. Ref. Mar. 1951. 410 M58
- Pteridophytes**
- 56318 HOLTUM, R. E. Further notes on the fern-genus *Heterogonium* Presl. Reinwardtia 1:27-31. Dec. 1950. 450 R272
- Bryophytes**
- 56319 GAMS, H. *Trematodon brevicollis*, ein für Schweden neues arktisch-alpines moos. (In Swedish.) Bot. Not. 4:451-456. Ref. 1950. 450 B656
German summary.
- 56320 PATTERSON, P. M. Bryophytes of Virginia, III. Collections made in southeastern Virginia by Bayard Long. Rhodora 53:117-128. Ref. May. 1951. 450 R34
- Algae**
- 56321 GRENAGER, B. The distribution of *Colpomenia peregrina* Sauv. in Norway. (In Norwegian.) Blyttia 8:169-170. 1950. 450 B622
English summary.
- 56322 HORRIDGE, G. A. Occurrence of *Asparagopsis armata* Harv. on the Scilly Isles. Nature [London] 167:732-733. May 5, 1951. 472 N21
- 56323 PHINNEY, H. K. Some filamentous algae from northern Michigan. Amer. Micros. Soc. Trans. 70:133-153. Ref. Apr. 1951. 440.9 Am33
- 56324 SILVA, P. C. The genus *Codium* in California, with observations on the structure of the walls of the utricles. Calif. U. P. Bot. 25:79-114. Ref. 1951. 500 C125B
- 56325 STIRLING, J. F. A botanical oddity. Country Life [London] 109:1544-1545. May 18, 1951. 80 C83
Spirogyra.
- 56326 WELSH, H. Diatoms: their beauty and uses. Discovery 12:122-123. Apr. 1951. 472 D63
- Fungi (Including Lichens)**
- 56327 BOEDIJN, K. B., and REITSMA, J. Notes on the genus *Cylindrocladium* (Fungi: Mucedinaceae). Reinwardtia 1:51-60. Ref. Dec. 1950. 450 R272
- 56328 CASH, E. K. Some new species of Discomycetes from Mount Shasta. Mycologia 43:229-234. Mar./Apr. 1951. 450 M99
New species in: *Dasyscypha*, *Laetinaevia*, and *Mollisia*.
- 56329 COOKE, W. B. The genus *Cytidia*. Mycologia 43:196-210. Mar./Apr. 1951. 450 M99
- 56330 DRECHSLER, C. Various zoöpagaceous fungi subsisting on protozoans and eelworms. Mycologia 43:161-185. Ref. Mar./Apr. 1951. 450 M99
Includes n. spp. in *Cochlonema* and *Aplectosoma* n.g.
- 56331 GROENHART, P. Malaysian lichens. II. Two new species from Java. Reinwardtia 1:33-39. Dec. 1950. 450 R272
Umbilicaria zollingeri and *Mycoblastus endoxanthus*.
- 56332 HUGHES, S. J. Studies on micro-fungi. III. *Mastigosporium*, *Camposporium*, and *Ceratophorum*. Commonwealth Mycol. Inst. Mycol. Papers 36, 43 p. Ref. May 2, 1951. 451 Im73M
- 56333 KORF, R. P. *Arachnopeziza obtusipila* Grelet descr. emend. Mycologia 43:211-214. Mar./Apr. 1951. 450 M99
- 56334 MURRILL, W. A. New Agarics from Florida. Mycologia 43:235-239. Mar./Apr. 1951. 450 M99
New species in *Clitocybe*, *Collybia*, *Coprinus*, *Entoloma*, *Leptota*, *Leptonia*, and *Nolanea*.
- 56335 POMERLEAU, R. Mushrooms of eastern Canada and the United States; how to recognize and prepare the edible varieties. Montreal, Chanteclair, 1951. 302 p. 462.5 P77Ae
Issued also in French under title: *Champignons de l'est du Canada et des Etats-Unis*.
- 56336 ROULET, M. A. Isolement d'une nouvelle souche de Phycomyces. Etude de ses caractéristiques morphologiques et de ses besoins en facteurs de croissance. Experientia 7:177-178. May 15, 1951. 475 Ex7
English summary.
- 56337 SHAW, C. G., and YERKES, W. D., JR. The downy mildews (Peronosporaceae) of the Pacific Northwest. Nowest. Sci. 25:76-82. May 1951. 470 N81
- 56338 SINGER, R. *Thaxterogaster*—a new link between *Gastromycetes* and *Agaricales*. Mycologia 43:215-228. Mar./Apr. 1951. 450 M99
- 56339 SÖDERBERG, S. Contribution to the fungus flora of Bergianska garden as well as some other fungus finds in the Stockholm area in 1950. (In Swedish.) Svensk Bot. Tidskr. 44:562-563. 1950. 450 Sv2
- 56340 STELIN, H., ed. *Aftonbladets svampbok* [Aftonbladets's mushroom book]. Ed. 7. Stockholm, Aftonbladet, 1950. 87 p., and atlas. 462.14 St3
- 56341 STORDAL, J. A mycological excursion in Voss Western Norway. (In Norwegian.) Blyttia 8:167-169. 1950. 450 B622
English summary.
- 56342 THIRUMALACHAR, M. J., and MUNDKUR, B. B. Revisions of and additions to Indian fungi. III. Commonwealth Mycol. Inst. Mycol. Papers 40, 15 p. May 9, 1951. 451 Im73M
New species in *Carpenterella*, *Ustilago*, *Sphacelotheca*, *Sorosporium*, *Tilletia*, *Burrillia*, *Achrotelium*, *Catenulopora*, *Puccinia*, and *Oidiopsis*.
- 56343 THIRUMALACHAR, M. J. An undescribed genus [*Didymoporella*] of Uredinales. Sci. & Cult. 16:210-211. Nov. 1950. 475 Sci24
- 56344 UMBRIN, G. Den praktiska svampboken [The practical mushroom book]. Stockholm, Ljus, 1950. 158 p. 462.14 Um1
- 56345 WICKERHAM, L. J. Taxonomy of yeasts. U. S. D. A. Tech. B. 1029, 56 p. Ref. May 1951. 1 Ag84Te
- PATHOLOGY**
- General**
- 56346 ADAMS, R. E., PRATT, R. M., and TERRY, C. W. A leaf punch for sampling foliage for analysis of spray deposits. Phytopathology 41:568. June 1951. 464.8 P56
- 56347 ANERUD, K. Some common diseases and pests of plants. (In Swedish.) Växt-Närings-Nytt 6(spec.no.5):63-79. 1950. 57.8 V47
- 56348 AYCOCK, R., and ARNDT, C. H. Notes on the incidence of the diseases of cotton in South Carolina in 1950. Plant Dis. Rptr. 35:204-206. Apr. 15, 1951. 1,9 P69P
- 56349 BAILEY, S. F., and SMITH, L. M. Handbook of agricultural pest control. New York, Indus. P., 1951. 191 p. 464.4 B15

- 56350 BEFFA, G. DELLA. La difesa del frutteto dalle malattie e parassiti [Protection of fruit trees from diseases and parasites]. Milano, Hoepli, 1951. 297 p. 464.4 B39
- 56351 BERAN, F. Internationale zusammenarbeit im pflanzenschutz; die bedeutung der internationalen pflanzenschutzkonvention für Österreich. Food and Agr. Organ. United Nations. Austrian Natl. Com. Mitt. 2:59-63*. 1950. 281.9 F732
- 56352 BOEVSKIĬ, A. S. Diseases of perennial grasses and legumes and measures for their control. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'istva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.621-626. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Alfalfa chiefly.
- 56353 BOHM, H. Die vor- und nachblütenspritzungen im obstbau. Landwirtschaft 1951:97-98. Mar. 1951. 19 L235
- Austria.
- 56354 BRANAS, J. Les gelées; la retaille. Prog. Agr. et Vitic. 1951:239-241. May 6/13, 1951. 14 P94
- Grapes.
- 56355 BRANDES, E. W. A sugarcane disease complex in Oriente. Asoc. de Téc. Azucareros de Cuba. Proc. 23:9-16. 1949. 65.9 As5
- 56356 BRANZANTI, E. C., and ROSSI, L. Spring and summer treatment of fruit trees for 1951. (In Italian.) Riv. di Frutticoltura. 13:137-141. Apr. 1951. 80 R52
- 56357 BUSCH, L. V., and GILPATRICK, J. D. A legume root rot survey in southwestern Ontario in 1950. Plant Dis. Rptr. 35:206. Apr. 15, 1951. 1.9 P69P
- 56358 CHRISTENSEN, C. M., and others. Enemies of aspen. U. S. Forest Serv. Lake States Forest Expt. Sta. Lake States Aspen Rpt. 22, 16 p. Ref. Jan. 1951. 1.9622 L2L14
- R. L. Anderson, A. C. Hodson, and P. O. Rudolf, joint authors.
- Diseases and pests.
- 56359 CLARKE, L. M., and CLARKE, J. R. N. Y. experiences with concentrate spraying. East. Fruit Grower 14(3):5, 19. May 1951. 80 Ea73
- 56360 CONNECTICUT UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 spray guide for brambles (red raspberries, black raspberries, blackberries, dewberries), by F. D. Johnson, W. T. Brigham, and E. M. Stoddard. Storrs, 1951. 1 p. 275.29 C76Rr
- 56361 CORMACK, M. W. Panel discussion on alfalfa diseases in Canada. Alfalfa Impr. Conf. Rpt. 12:23-26. 1950. 1.9 P691Rep
- 56362 COX, C. E. Spraying peppers for disease control in Maryland. Del. State Bd. Agr. B. 40(5):79-81. 1951. ? D37B
- 56363 CZAJA, A. T. Pflanzenschäden durch staubförmiges wasserglas. Z. f. Pflanzenkrankh. (Pflanzenpath.) u. Pflanzenschutz 58:54-61. Jan./Feb. 1951. 464.8 Z3
- From industrial fumes.
- 56364 DAVIDSON, R. W. A deterioration problem in beetle-killed spruce in Colorado. (Abs.) Phytopathology 41:560. June 1951. 464.8 P56
- Dendroctonus engelmanni, followed by Leptographium sp
- 56365 DUNCAN, J. E. Our experiences with concentrate spraying in 1950. Mich. State Hort. Soc. Annu. Rpt. 80:22. 1950, pub. 1951. 81 M58
- 56366 DUTT, B. S. M. Cassytha L. on Viscum. Sci. & Cult. 16:258. Dec. 1950. 475 Sci24
- 56367 EEK, T. VAN., and THUNG, T. H. Results of investigations on potato diseases in Java. (In Dutch.) Landbouw [Bogor] 22:303-346. Ref. July/Sept. 1950. 22.5 L23
- English summary.
- 56368 FJELDDALEN, J., and GJAERUM, B. Spraying of fruit trees and berry bushes. (In Norwegian.) Koloni-hagen 21:27-29, 31-33. Feb. 1951. 80 K83
- 56369 FLEROV, S. K. Protection of State shelter-belts from pests and diseases. (In Russian.) Lesn. Khoz. 3(10):78-79. Oct. 1950. 99.8 L5622
- 56370 GOTTWALD, A. Frostschiäden an obstbäumen an der Niederelbe in diesem frühjahr. Obstbauversring. Mitt. 1950:67-68. June 1/15, 1950. 85 J76
- 56371 GRAVATT, G. F. Observations on some new or undetermined tree diseases in Europe. (Abs.) Phytopathology 41:561. June 1951. 464.8 P56
- 56372 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Slugs and snails. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 115, 7 p. Mar. 1951. 10 G79La
- 56373 HADIWIDJAJA, T. A case of variegation in Boehmeria nivea. (In Dutch.) Landbouw [Bogor] 22:416-417. July/Sept. 1950. 22.5 L23
- 56374 HANSEN, R. J. Winter damage to Camellias at the University of Washington Arboretum, Seattle, Washington. Amer. Camellia Ybk. 1950:171-175. 97.31 Am32
- 56375 HARTIG, H. Blattroller oder trockenschaden - eine wichtige saatgutfrage. Deut. Landwirt. 2:229-231. May 1951. 18 D4822
- Seed potatoes.
- 56376 HARVEY, N. P. Plant diseases and their control. Young Farmer 19:21, 23. Jan./Feb. 1951. 10 Y8
- 56377 HELSON, G. A. H. The importance of plant quarantine to agriculture. New Zeal. J. Agr. 82:105, 107-108. Feb. 1951. 23 N48J
- 56378 HENDERSON, R. G. Alfalfa diseases in Virginia. Alfalfa Impr. Conf. Rpt. 12:22. 1950. 1.9 P691Rep
- 56379 HEY, G. L. The effect of new insecticides & fungicides on mushroom pests & diseases. Mushroom Sci. 1:87-88. 1950. 80 M972
- 56380 HUFFINGTON, J. M. Internal browning and related ripening disorders of tomatoes. Canner 112(24): 15-16, 18; (25):16-17, 24. Ref. June 16-23, 1951. 286.83 C16
- 56381 JANCKE. Zur diesjährigen schädlingbekämpfung. Weinbau 6:125-126. Mar. 18, 1951. 390.8 W432
- Control of diseases and pests of grapes in Germany.
- 56382 JUSCAFRESA, B. Enfermedades de la viña. Ceres [Valladolid] 16(178):11. Apr. 1, 1951. 15 C33
- 56383 KEARNS, H. G. H. Apple and pear sprays and spraying. Gt. Brit. Min. Agr. Agriculture 58:18-22. Apr. 1951. 10 G79J
- 56384 KEVORKIAN, A. G. The "white mold" disease of tomatoes in Cuba. (Abs.) Phytopathology 41:563. June 1951. 464.8 P56
- Caused by Eriophyes cladophthirus.
- 56385 KUMER, R. Die durchführung der winterspritzung. Obst u. Gart. 5:171-172. Nov. 1950. 80 Ob75
- 56386 KURITA, Y. Research on immature heads of rice plants damaged by storms I-II. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p.98-113. Ref. Shidzuoka, 1950. 107.6 Sh6Co
- 56387 LANGE. Zur sperlingsbekämpfung mit giftweizen. Landwirtsch. Weser-Ems 1950:1083-1084. Dec. 21, 1950. 18 L2345
- 56388 LARGE, J. R. The use of the "Salesco" carbide gun to protect pecan orchards from crow damage. Soeast. Pecan Growers Assoc. Proc. 44:61-62. 1951. 94.69 G29
- 56389 LISITSINA, M. I. Causes for damping-off of clover. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'istva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.627-628. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 56390 MCCLELLAN, W. D., and SMITH, F. F. Karathane for controlling two-spotted spider mites [Tetranychus bimaculatus] and powdery mildew on roses. (Abs.) Phytopathology 41:563. June 1951. 464.8 P56
- 56391 MCDOUGALL, W. A. Rat populations in cane-fields during the spring of 1948. Queensland J. Agr. Sci. 7:43-47. Mar./June 1950. 23 Q37
- 56392 MANSFELD, K. Erfahrungen mit habichtsat-trappen als vogelscheuchen. Anz. f. Schädlingk. 24:74-75. May 1951. 421 An9
- 56393 MEIFFREN, M. Note préliminaire sur l'étude de la maladie des cocotiers au Togo. Agron. Trop. 6: 163-172. Mar./Apr. 1951. 26 Ag86
- 56394 MILLS, W. D., and LAPLANTE, A. A. Diseases and insects in the orchard. N. Y. Agr. Col. Cornell Ext. B. 711, rev., 100 p. Apr. 1951. 275.29 N48E
- 56395 MINIAEVA, O. M. Diseases of forage plants and measures for their control. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'istva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.616-621. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Clover and alfalfa chiefly.
- 56396 MITCHELL, A. E., and KLINGBEIL, G. Are we getting coverage in apple orchards with concentrate sprays? Mich. State Hort. Soc. Annu. Rpt. 80:23-29. 1950, pub. 1951. 81 M58
- 56397 MOORE, J. E. Comparison of certain sweet-potato varieties and their high carotene mutants as to susceptibility to disease. (Abs.) Phytopathology 41:564. June 1951. 464.8 P56
- 56398 MOORE, J. E., and COX, C. E. Results of tomato spray plot at Salisbury [Maryland] 1950. Del. State Bd. Agr. B. 40(5):81-83. 1951. 2 D37B
- 56399 MORGAN, O. D., WEAVER, L. O., and BISSELL, T. L. Stop disease and insect damage in tobacco plant beds. Md. Agr. Col. Ext. Fact Sheet 10, 4 p. Mar. 1951. 275.29 M36Fa

- 56400 MORRIS, H. E., and AFANASIEV, M. M. Winter injury to sweet cherries in Montana. *Plant Dis. Rptr.* 35:192-193. Apr. 15, 1951. 1.9 P69P
- 56401 MULDER, D. Bitter pit in apples as a result of cultivation. (In Dutch.) Netherlands. *Dir. van de Tuinbouw. Meded.* 14:20-27. Jan. 1951. 86 N384
English summary.
- 56402 MÜLLER, F. Feldmausbekämpfung mit "hartgas." *Anz. f. Schädlingssk.* 24:76-77. May 1951. 421 An9
Dry ice.
- 56403 NELSON, H. T. Our experiences with concentrate sprays in 1950. *Mich. State Hort. Soc. Annu. Rpt.* 80:21. 1950, pub. 1951. 81 M58
- 56404 NURSERY fumigatorium. *Amer. Nurseryman* 93(11):12-13. June 1, 1951. 80 Am371
- 56405 PEMBERTON, E. J. The rabbit in Victoria; control measures. *Victoria. Dept. Agr. J.* 49:127-134. Mar. 1951. 23 V66J
- 56406 PIERSON, R. L. Our experiences with concentrate spraying in 1950. *Mich. State Hort. Soc. Annu. Rpt.* 80:22-23. 1950, pub. 1951. 81 M58
- 56407 RECKENDORFER, P. Soll sich der landwirt die schwefelkalkbrühe selbst bereiten? *Pflanzenarzt* 4(3):3-4. Mar. 1, 1951. 464.9 P482
- 56408 REGT, N. A. DE. Disease control in fruit culture. (In Dutch.) *Betuws Tuinbouwbl.* 9(2):2-4. Mar. 17, 1951. 80 B464
- 56409 REICH, H. Neue versuche zur starenbekämpfung bei süßkirschen. *Obstbauversring. Mitt.* 1950:84-87. Aug. 1/15, 1950. 85 J76
- 56410 REID, R. D. June yellows in Auchincruive Cilmix strawberries. *Grower [London]* 35:1160-1161, 1163. June 9, 1951. 286.83 M34
Also in *Fruit-Grower* 2894:1056-1057. June 14, 1951. 80 F941
- 56411 RIPPER, W. Der pflanzenschutz in Grossbritannien und dem britischen weltreich. *Pflanzenschutzberichte* 6:1-16. Jan. 1951. 464.9 P48
- 56412 RODRIAN. Feldzug gegen die rebschädlinge. *Weinbau* 6:124-125. Mar. 18, 1951. 390.8 W432
Control of diseases and pests in Germany.
- 56413 ROSELLA, E. Plantées dans un bon terrain, les vignes court-nouées guérissent-elles spontanément? *Terre d'Oc* 33:169-171. May 1951. 14 Ar5
- 56414 RUPP. Weinbau und Koreakrieg; was haben beide miteinander zu tun? *Weinbau* 6:103-104. Mar. 4, 1951. 390.8 W432
Spraying program in Germany.
- 56415 SCANDURA, A. Legislative intervention in the field of plant pathology. (In Italian.) *Agr. Ital.* 2:102-106. Feb. 15, 1951. 16 Ag822
- 56416 SCHIPSTRA, K. Diseases, pests, and weeds in corn. (In Dutch.) *Nieuwe Veldbode* 17:486-487. Apr. 12, 1951. 12 V542N
- 56417 SCOTT, E. L. Deterioration of varieties. *Natl. Chrysanthemum Soc. B.* 7:9-10. Mar. 1951. 96.519 Ea7
Chiefly on Chrysanthemum diseases.
- 56418 SIEGMANN. Mittel und wege neuerzeitlichen pflanzenschutzes. *Tech. f. Bauern u. Gärt. Ausg. A* 3:97-98. Feb. 25, 1951. 58.8 T223
- 56419 SJETNE, E. The State Plant Inspection. (In Norwegian.) *Kolonihagen* 21:4. Feb. 1951. 80 K83
- 56420 SLAWIK, O. Obstbaumkrankheiten, deren ursachen und deren bekämpfung. *Obst u. Gart.* 6:11-13. Jan. 1951. 80 Ob75
- 56421 SMITH, O. F. Some diseases of alfalfa in west ern United States and their relation to alfalfa improvement. *Alfalfa Impr. Conf. Rpt.* 12:19-21. 1950 1.9 P691Rep
Includes discussion.
- 56422 SOENEN, A., and AERTS, R. L'année météorologique 1950 dans la région fruitière du Limbourg. *Agricultura [Louvain]* 49:46-56. Apr. 1951. 13 R32
Brings out disease and insect conditions.
- 56423 STANTON, W. R. The use of thin polythene sleeving for moist chambers in inoculation studies. *Phytopathology* 41:476-477. May 1951. 464.8 P56
- 56424 STEARNS, L. A., and HEUBERGER, J. W. Delaware's fruit spray schedules for 1951. *Del. U. Agr. Ext. B.* 54:7 p. Feb. 1951. 275.29 D37
- 56425 STEINER, H. M. Principles involved in getting greater returns from our spray dollars. *Mich. State Hort. Soc. Annu. Rpt.* 80:30-37. 1950, pub. 1951. 81 M58
- 56426 TOGEL, V. Vogelschutz ist wichtig im obstbau! *Berufsgärtner* 4:5-6. Jan. 1951. 80 B463
Austria.
- 56427 TRITTLE, G. W. Camellias after the winter 1949-50. *Amer. Camellia Ybk.* 1950:176-178. 97.31 Am32
- 56428 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Portuguese Colony of Angola. *U. S. Bur. Ent. & Plant Quar. B. E. P. Q.* 591,1 p. Apr. 5, 1951. 1.9 F73
- 56429 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the United Kingdom of Great Britain; revised regulations, Island of Guernsey. *U. S. Bur. Ent. & Plant Quar. B. E. P. Q.* 416, rev. (sup. 3), 3 p. Apr. 13, 1951. 1.9 F73
- 56430 VAHEEDUDDIN, S. Behaviour of Coimbatore canes with respect to diseases in Hyderabad State. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2, sect. 3): 63-66. 1951. 65.9 C766
- 56431 VIKTOR, T. Kampf den nagern im obstgarten. *Gart.-Z. Illus. Flora* 74:6. Jan. 1951. 80 G1991
- 56432 WILHELM. Stoppt die kräuselkrankheit! *Bauern Ztg.* 4(13):7. Mar. 30, 1951. 18 B324
Grapes.
- 56433 WOOD, W. B. The plant quarantine inspector as a national guardian. (Abs.) *Ent. Soc. Wash. Proc.* 53: 116. Apr. 1951. 420 W27
- Diseases Caused by Fungi
- 56434 ARX, J. A. VON, and NOORDAM, D. *Peronospora pulveracea* Fuckel auf *Helleborus niger*. (In Dutch.) *Tijdschr. over Plantenziekten* 57:32-34. Jan./Feb. 1951. 464.8 T44
German summary.
- 56435 BAGCHEE, K., and BAKSHI, B. K. *Poria monticola* Murr. on chir (*Pinus longifolia* Roxb.) in India. *Nature [London]* 167:824. May 19, 1951. 472 N21
- 56436 BARDIA BARDIA, R. El moteado del manzano y de las peras. *Cult. Mod.* 34:46-47. Feb. 1951. 15 C89
Venturia inaequalis and *V. pirina*.
- 56437 BARDIN, R. Unusual occurrence of ascospore infection of tomatoes by *Sclerotinia sclerotiorum*. *Plant Dis. Rptr.* 35:246. May 15, 1951. 1.9 P69P
- 56438 BAYLES, B. B., and RODENHISER, H. A. New stem rust threatens wheat crop. *Crops & Soils* 3(3):25-26. June/July 1951. 6 W55
- 56439 BAZÁN DE SEGURA, C. Posibilidad de pronosticar la iniciación y progreso del "hielo" de la papa (*Phytophthora infestans*). *Lima. Cent. Nac. de Invest. y Expt. Agr. de la Molina. B.* 39, 12 p. Dec. 1950. 102.5 L622B
- 56440 BOLTON, J. L. Progress in breeding [alfalfa] for resistance to winter crown rot. *Alfalfa Impr. Conf. Rpt.* 12:62-64. 1950. 1.9 P691Rep
- 56441 BRANAS, J. Le mildiou et les avertissements. *Prog. Agr. et Vitic.* 1951:241-242. May 6/13, 1951. 14 P94
Grapes.
- 56442 BRETZ, T. W. Our present knowledge concerning oak wilt [*Chalara quercina*]. *Trees* 11(4):6-7, 16. May/June 1951. 99.8 W52
- 56443 BUSH, R. How to deal with sooty blotch. *Countryman [Burford]* 43:346-347. Summer 1951. 281.28 C832
On plums.
- 56444 BUTLER, E., and KING, T. H. Strawberry root-rot in Minnesota. *Plant Dis. Rptr.* 35:238-239. May 15, 1951. 1.9 P69P
- 56445 CAMPBELL, W. A. Fungi associated with the roots of littleleaf-diseased and healthy shortleaf pine. *Phytopathology* 41:439-446. May 1951. 464.8 P56
- 56446 CHOWDHURY, S. Preliminary experiment on seed treatments with yellow cuprocide. *Sci. & Cult.* 16: 78-79. Aug. 1950. 475 Sci24
Experiments with the control of *Helminthosporium oryzae* on rice.
- 56447 CLAYTON, C. N. Botrytis leaf spot of apple in North Carolina. *Plant Dis. Rptr.* 35:237. May 15, 1951. 1.9 P69P
- 56448 COHN, V. Control of wheat smut. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(363):54. Feb. 1951. 9.2 B733
- 56449 COLE, J. R. Comparative results of applying fungicides with hydraulic and mist sprayers to control pecan scab [*Cladosporium effusum*]. *Soeast. Pecan Growers Assoc. Proc.* 44:41-45, 47-48. 1951. 94.69 G29
Includes discussion.
- 56450 COX, C. E., and LEWIS, C. E. A *Fusarium* bud rot of Chrysanthemums. (Abs.) *Phytopathology* 41: 560. June 1951. 464.8 P56

- 56451 COX, R. S. Control and overwintering studies on *Pyraecanthia* scab disease, *Fusicladium pirinum* var. *pyraecanthiae*, in Delaware. (Abs.) *Phytopathology* 41:560. June 1951. 464.8 P56
- 56452 CRONSHEY, J. F. H. The modern range of seed dressings. *Plant Protect. Overseas Rev.* 2(2):22-25. Apr. 1951. 464.8 P69
- 56453 DENMARK. STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Aebleskurv og paereskurv [Apple scab and pear scab]. Ed. 8. Denmark. Stat. Forsogsvirksomhed i Plante Kult. Meddel. 189, 4 p. Dec. 28, 1950. 11 D412M
- 56454 DIMOCK, A. W., and BAKER, K. F. Effect of climate on disease development, injuriousness, and fungicidal control, as exemplified by snapdragon rust. *Phytopathology* 41:536-552. Ref. June 1951. 464.8 P56
- 56455 DIPLER, R. V. La mancha de la hoja del banana. *Rev. de Agr. Com. e Indus. [Panama]* 9(113/114):37-40. (Cont.) Jan./Feb. 1951. 8 R3291
- 56456 DUNBABIN, T. New rust resistant wheat developed in Australia. *New Zeal. Farmer* 72(3):18. Mar. 29, 1951. 23 N484
- 56457 DUNEGAN, J. C., and HEUBERGER, J. W. Apple black rot [*Physalospora obtusa*]. *Del. State Bd. Agr.* B. 40(5):128-130. 1951. 2 D37B
- 56458 DUNEGAN, J. C., and PETERSEN, D. H. Some aspects of the peach anthracnose problem. (Abs.) *Phytopathology* 41:560-561. June 1951. 464.8 P56
- 56459 DUTT, N. L., and HUSSAINY, S. A. A note on the breeding and testing of sugarcane varieties resistant to three major diseases with particular reference to red rot. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.3):46-55. Ref. 1951. 65.9 C766
- 56460 FOSCHI, S. Gummosis and leaf curl of drupaceous plants. (In Italian.) *Agr. Romagn.* 1951(4):2. Feb. 20, 1951. 16 Ag828
- Caused by *Coryneum beijerinckii* and *Exoascus deformans*.
- 56461 FOSTER, J. H. A report on pecan scab [*Cladosporium effusum*] experiments conducted in South Carolina. *Soeast. Pecan Growers Assoc. Proc.* 44:63, 65-66. 1951. 94.69 G29
- 56462 FOWLER, M. E., and BRETZ, T. W. Airplane surveys for oak wilt [*Chalara quercina*]. (Abs.) *Phytopathology* 41:561. June 1951. 464.8 P56
- 56463 GABOTTO, L. Rust of pear. (In Italian.) *Conf. e Gior. Vinic. Ital.* 97:82-83. Mar. 31, 1951. 16 C72
- Gymnosporangium sabinae*.
- 56464 GLESIUS, A. Erfahrungen in der schädlings- und krankheitsbekämpfung. *Weinbau* 6:129. Mar. 18, 1951. 390.8 W432
- Mildew and downy mildew.
- 56465 GROVES, A. B. An apparent influence of naphthalene acetic acid applications on subsequent fruit abscission and black-rot development. (Abs.) *Phytopathology* 41:561. June 1951. 464.8 P56
- Physalospora obtusa* on apples.
- 56466 HAFIZ, A. Downy mildew of grape vines. *Punjab Fruit J.* 14(48):34-36. Apr./July 1950. 80 P962
- 56467 HAFIZ, A. Powdery mildew of apple. *Punjab Fruit J.* 14(48):26-27. Apr./July 1950. 80 P962
- 56468 HASKELL, R. J. The fight against seed-borne diseases. (Excerpts.) *Grain & Feed J. Consolidated* 106(9):21-22. May 9, 1951. 298.8 G762
- Seed treatment.
- 56469 HELL, W. F. VAN, and VEENSTRA, H. Preliminary results of two fungicide spraying experiments against blisterblight disease in pruned tea gardens. (In Dutch.) *Arch. v. de Theecult.* 17:77-111. Dec. 1950. 68.18 Ea72
- English summary.
- Caused by *Exobasidium vexans*.
- 56470 HELLER, E. Können wir 1951 die oidiumgefahr abwenden? *Weinbau* 6:108. Mar. 4, 1951. 390.8 W432
- 56471 HENNIG, R. Stock- und stammfäulen an der Douglasie. *Z. f. Pflanzenkrankh. (Pflanzenpath.) u. Pflanzenschutz* 58:6-9. Jan./Feb. 1951. 464.8 Z3
- 56472 HEUBERGER, J. W. Eight years of dithane vs. copper on potatoes in Delaware. (Abs.) *Phytopathology* 41:561-562. June 1951. 464.8 P56
- 56473 HEUBERGER, J. W., COX, R. S., and HYRE, R. A. Our present knowledge of the downy mildew disease of Henderson bush lima beans and its control in Delaware. *Del. State Bd. Agr. B.* 40(5):44-49. 1951. 2 D37B
- Phytophthora phaseoli*.
- 56474 HEUBERGER, J. W. Tomato disease control by fungicides in Delaware. *Del. State Bd. Agr. B.* 40(5):73-79. 1951. 2 D37B
- 56475 HOLLIDAY, P. The control of witches' broom disease of cacao. *Agr. Soc. Trinidad & Tobago. Proc.* 50:393-395, 397, 399. Dec. 1950. 8 T73
- 56476 HOLTON, C. S. Methods and results of studies on heterothallism and hybridization in *Tilletia caries* and *T. foetida*. *Phytopathology* 41:511-521. Ref. June 1951. 464.8 P56
- 56477 HOOFF, H. A. VAN. Data on the production and susceptibility to *Phytophthora infestans* de Bary of some 26 potato varieties in Indonesia. (In Dutch.) *Landbouw [Bogor]* 22:408-410. July/Sept. 1950. 22.5 L23
- 56478 HYRE, R. A., and COX, R. S. Studies in the physiology of *Phytophthora phaseoli*. (Abs.) *Phytopathology* 41:562. June 1951. 464.8 P56
- 56479 JACKS, H. The efficiency of chemical treatments of vegetable seeds against seed-borne and soil-borne organisms. *Ann. Appl. Biol.* 38:135-168. Ref. Mar. 1951. 442.8 An72
- 56480 JAIN, A. C. *Cercospora* leaf spot on *Cephalandra indica* Naud. *Sci. & Cult.* 16:113-115. Sept. 1950. 475 Sci24
- 56481 JEFFERS, W. F., and MOORE, J. E. Use of phenyl mercury triethanol ammonium lactate for control of sweet-potato diseases. (Abs.) *Phytopathology* 41:562. June 1951. 464.8 P56
- 56482 JEHLE, R. A., JENKINS, A. E., and JEFFERS, W. F. Spot anthracnoses known in Maryland and their distribution by counties. *Plant Dis. Rptr.* 35:194-199. Ref. Apr. 15, 1951. 1.9 P69P
- 56483 JOHNSON, H. W. Soybean seed treatment. *Soybean Digest* 11(7):17-20. May 1951. 60.38 So9
- 56484 JUSCAFRESA, B. Las plagas del viñedo. *Ceres [Valladolid]* 16(177):26-27, 29. Mar. 1, 1951. 15 C33
- Fungus diseases and insect pests.
- 56485 KALNINŠ, A., and ŠVALBE, K. Concentration of silver nitrate which stops the growth of *Coniophora cerebella*. (In Latvian.) *Latv. PSR Zinātņu Akad. Vēst.* 2:93-95. 1950. 511 R442
- 56486 KAR, K., and SINGH, D. R. Varietal resistance to red rot [*Colletotrichum falcatum*]. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.3):66-71. 1951. 65.9 C766
- 56487 KAWAI, I., and others. On the *Phytophthora* blight of the squash plants. (In Japanese.) In *Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary*, p. 138-145. Shidzuoka, 1950. 107.6 Sh6Co
- K. Mori, M. Hisanaga, Y. Naito, and H. Kawabe, joint authors.
- 56488 KHRSHCHONOVICH, V. G. Disinfection [with granosan] of sunflower seeds infected with *Sclerotinia*. (In Russian.) *Sovet. Agron.* 9:88-89. Jan. 1951. 20 So84
- 56489 KING, C. Take-all footrot. *Kans. Farmer* 88(9):6. May 5, 1951. 6 K13
- Of wheat.
- 56490 KING, C. Wheat breeders concerned about new smut disease. *Kans. Farmer* 88(10):6. May 19, 1951. 6 K13
- 56491 KOEK, P. C. A tobacco disease, new for Holland, caused by *Fusarium oxysporum* var. *nicotianae*. (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 13:895-900. Dec. 1950. 86 N384
- English summary.
- 56492 KREITLOW, K. W. Infection studies with dried grain inoculum of *Sclerotinia trifoliorum*. *Phytopathology* 41:553-558. Ref. June 1951. 464.8 P56
- Tests for disease resistance of red and Ladino clovers.
- 56493 KREUTZER, W. A., and others. The fungicidal and nematocidal properties of dibromobutene. *Science* 113:657-658. June 8, 1951. 470 Sci2
- C. W. McBeth, M. Turner, G. B. Bergeson, and R. R. Whetstone, joint authors.
- 56494 LAMBERT, E. B., and AYERS, T. T. A two-phase system of pasteurizing for mushroom culture. (Abs.) *Phytopathology* 41:563. June 1951. 464.8 P56
- 56495 LANTZ, D. Barberry eradication means less rust on small grains. *Iowa Agr.* 49(8):9, 14. Mar. 1951. 6 Io9
- 56496 LARGE, J. R. Progress report in pecan scab [*Cladosporium effusum*] control in Florida in 1950. *Soeast. Pecan Growers Assoc. Proc.* 44:49-50, 52-53, 57-59. 1951. 94.69 G29
- 56497 LOVELESS, A. R. The confirmation of the variety fabae Key of *Sclerotinia trifoliorum* Eriksson. *Ann. Appl. Biol.* 38:252-275. Ref. Mar. 1951. 442.8 An72
- On broadbean.
- 56498 LUTTRELL, E. S. A key to species of *Helminthosporium* reported on grasses in the United States. *Plant Dis. Rptr. Sup.* 201:59-67. May 15, 1951. 1.9 P69P

- 56499 MCCOLLOCH, L. P. *Alternaria tenuis*, the cause of a tomato fruit rot. *Plant Dis. Rptr.* 35:234-236. Ref. May 15, 1951. 1.9 P69P
- 56500 MACHACEK, J. E., and others. A study of some seed-borne diseases of cereals in Canada. II. Kinds of fungi and prevalence of disease in cereal seed. *Sci. Agr.* 31:193-206. May 1951. 7 Sci2
- W. J. Cherewick, H. W. Mead, and W. C. Broadfoot, joint authors.
- 56501 MCKNIGHT, T. Pasm disease of linseed. *Queensland Agr. J.* 72:94-96. Feb. 1, 1951. 23 Q33
- Caused by the fungus *Sphaerella linorum*.
- 56502 MAHMUD, K. A. Damping-off of *Brassica juncea* Coss caused by *Pythium aphanidermatum* (Eds.) *Fitz. Sci. & Cult.* 16:208-209. Nov. 1950. 475 Sci24
- 56503 MAHMUD, K. A. Powdery mildew (*Oidium* sp.) on *Ocimum sanctum* Linn. *Sci. & Cult.* 16:115. Sept. 1950. 475 Sci24
- 56504 MAHMUD, K. A. A seedling blight of *Ocimum sanctum* Linn. caused by *Rhizoctonia solani* Kuhn. *Sci. & Cult.* 16:161-162. Oct. 1950. 475 Sci24
- 56505 MANDEL. Vorbeugungsmassnahmen gegen die kieferschütte (*Lophodermium pinastri*). *Forstwirt.* 4:201-202. July 1, 1950. 99.8 F7793
- 56506 MARSH, R. W. Some possible alternatives to lime-sulphur in apple scab control. *Gt. Brit. Min. Agr. Agriculture* 58:22-24. Apr. 1951. 10 G79J
- 56507 MIEGE, E. Le traitement des semences de betteraves. *Inform. Marocaine* 529:1,3. Mar. 3, 1951. 281.8 In3
- 56508 MILES, G. F. Protect those seeds. *Ky. Farmer* 87(5):10-11. May 1951. 6 F2237
- Grasses.
- 56509 MILLIMAN, L. H. Here's how to eliminate bull's eye rot. *Better Fruit* 45(12):7,22-24. June 1951. 80 B46
- On apples.
- 56510 MILLS, W. D., and VAN GELUWE, J. D. Field evaluation of glyoxalidine compounds for control of cherry leaf spot. *Phytopathology* 41:466-474. May 1951. 464.8 P56
- 56511 MISSOURI UNIVERSITY. COLLEGE OF AGRICULTURE: AGRICULTURAL EXTENSION SERV. You can raise more cotton in 1951 if you treat cotton seed. *Mo. Agr. Col. Ext. Folder* 12,4 p. Jan. 1951. 275.29 M69FoL
- 56512 MULLIN, R. S. Comparative dusts for powdery mildew [*Erysiphe polygoni*] of beans. *Del. State Bd. Agr. B.* 40(5):50-51. 1951. 2 D37B
- 56513 NEMLIENKO, F. E. Disease of corn cobs. (In Russian.) *Selek. i Semen.* 17(12):69-70. Dec. 1950. 61.9 Se5
- Gray rot of cobs caused by *Rhizopus maydis*.
- 56514 NIELSEN, L. W. Ways to fight potato late blight. *Res. & Farming [N. C. Sta.]* 9(3):12-13. Winter 1951. 100 N81R
- Caused by *Phytophthora infestans*.
- 56515 OBREGON BOTERO, R. Anotaciones sobre la ergotina. *Acta Agron.* 1:19-25. Dec. 1950. 9.4 Ac8
- 56516 ORLOVA, A. A., and BERNATSKAIA, I. D. Resistance of seedlings of oak and Siberian acacia [*Caragana arborescens*] to damping-off diseases. (In Russian.) *Lesn. Khoz.* 3(11):85-87. Nov. 1950. 99.8 L5622
- Caused chiefly by *Fusarium* and *Alternaria*.
- 56517 PEACE, T. R. The fight against elm disease. *Country Life [London]* 109:1446-1447. May 11, 1951. 80 C83
- 56518 PICHLER, F. Zur frage der haferflugbrandbekämpfung. *Pflanzenarzt* 4(3):1-2. Mar. 1, 1951. 464.9 P482
- 56519 POULOS, P. L., and HEUBERGER, J. W. New developments in apple scab control. *Del. State Bd. Agr. B.* 40(5):123-127. 1951. 2 D37B
- 56520 POWELL, L. The chestnut blight. *South. Lumberman* 182(2282):50,52. May 1, 1951. 99.81 So82
- 56521 PRONICHEVA, L. L. Diseases [fungus] of perennial forage plants and measures for control. (In Russian.) *In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav*, p.629-631. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 56522 RAMAKRISHNAN, T. S., and SUNDARAM, N. V. Ergot on two grasses from south India. *Sci. & Cult.* 16:214. Nov. 1950. 475 Sci24
- Paspalum scrobiculatum* and *Rhynchelytrum roseum*.
- 56523 RAMSEY, G. B., SMITH, M. A., and HEIBERG, B. C. Anthracnose of peaches. *Phytopathology* 41:447-455. May 1951. 464.8 P56
- 56524 REICH, H. Der apfelmehltau und seine bekämpfung. *Obstbauversring. Mitt.* 1950:74. July 1/15, 1950. 85 J76
- 56525 RIVEROS, J. E. El oidio, ceniza o quintal de la vid. *Vinos, Viñas y Frutas* 45:409-410. Mar. 1951. 9 Ag89
- 56526 RØED, H. Botrytis (gray mold) on *Allium cepa* and *Allium ascalonicum* in Norway. *Acta Agr. Scand.* 1:20-39. Ref. 1950. 11 Ac82
- 56527 ROSELLA, E. Traitez en hiver par pulvérisations contre le champignon de l'esca. *Réveil Agr.* 60:20-21. Jan. 15, 1951. 14 R322
- Grapes.
- 56528 ROWELL, J. B. Observations on the pathogenicity of *Rhizoctonia solani* on bent grasses. *Plant Dis. Rptr.* 35:240-242. May 15, 1951. 1.9 P69P
- 56529 SARAZIN, A. La mole, maladie du champignon de couche. *Mushroom Sci.* 1:93-95. 1950. 80 M972
- Mycogone* and *Verticillium*.
- 56530 SAVILE, D. B. O., and CONNERS, I. L. The rusts of *Armeria* and *Limonium* in North America. *Mycologia* 43:186-195. Mar./Apr. 1951. 450 M99
- 56531 SCHRADER, E. Neues über die beizmittel. *Hannoversche Land- u. Forstwirt. Ztg.* 103:890. Oct. 7, 1950. 18 H194
- For grain.
- 56532 SCOTT, D. H., and others. Further results on breeding strawberries for resistance to red stele disease [*Phytophthora fragariae*]. *Del. State Bd. Agr. B.* 40(5):130-138. Ref. 1951. 2 D37B
- G. M. Darrow, W. F. Jeffers, and D. P. Ink, joint authors.
- 56533 SHERWIN, H. S. The relationship of *Cercospora* sp. to seed discoloration in soybeans. (Abs.) *Phytopathology* 41:565. June 1951. 464.8 P56
- 56534 SLADKOMEDOVA, A. I. Treatment of carrot seeds [with Zbarskii's bactericide] for control of diseases. (In Russian.) *Selek. i Semen.* 17(12):64-66. Dec. 1950. 61.9 Se5
- 56535 SMITH, M. A., and WRIGHT, W. R. Natural infection of peach fruit by *Diplodia*. *Plant Dis. Rptr.* 35:222. Apr. 15, 1951. 1.9 P69P
- 56536 SMOOT, J. J. *Streptomyces* isolates pathogenic to sweet potatoes in Maryland. (Abs.) *Phytopathology* 41:565. June 1951. 464.8 P56
- 56537 SPECHT, A. W., MCCLELLAN, W. D., and MARSHALL, B. H., JR. Concentration of eleven elements including mercury in *Narcissus* as related to bulb treatment. (Abs.) *Phytopathology* 41:565-566. June 1951. 464.8 P56
- 56538 SPRAGUE, R. Results of recent powdery mildew spray trials. *West. Fruit Grower* 5(3):25-27. Mar. 1951. 95.8 G762
- 56539 STEENLAND, A. P. Scab control. (Sum.) *West. Fruit Grower* 5(3):20. Mar. 1951. 95.8 G762
- On apples and pears.
- 56540 STEIB, R. J., and CHILTON, S. J. P. Infection of sugar-cane stalks by the red-rot fungus, *Physalospora tucumanensis* Speg. *Phytopathology* 41:522-528. June 1951. 464.8 P56
- 56541 STEWART, D. M. Heart rot [*Polyporus hispidus*] of black ash in Minnesota. *Phytopathology* 41:569-570. June 1951. 464.8 P56
- 56542 SUBRAMANIAN, T. V., and RAO, V. L. Infection and development of *Ustilago scitaminea* Syd. in sugarcane. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.3):55-60. 1951. 65.9 C766
- 56543 SUBRAMANIAN, T. V., and PRAKASAM, P. Some studies on pine apple disease of sugarcane [*Ceratostomella paradoxa*]. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.3):60-63. 1951. 65.9 C766
- 56544 TARROUX, M. La situation des soufres et les traitements du vignoble. *Tribune Agr. (n.s.)* 44(802):1. Apr. 1, 1951. 24 T732
- 56545 TAUBITZ, A. Die bekämpfung der kraut- und knollenfäule der kartoffeln. *Gesunde Pflanzen* 3:21-23. Feb. 1951. 464.8 G33
- Phytophthora*.
- 56546 THOMAS, H. R., and others. Resistance to downy mildew [*Phytophthora phaseoli*] in lima beans. (Abs.) *Phytopathology* 41:566-567. June 1951. 464.8 P56
- H. Jorgensen, H. H. Fisher, and R. E. Wester, joint authors.
- 56547 THOMPSON, G. E. *Microsphaera diffusa* on blue lupine. *Plant Dis. Rptr.* 35:221. Apr. 15, 1951. 1.9 P69P

- 56548 TOCHINAI, Y., and TAKEE, G. Studies on the physiologic specialization in *Fusarium lini* Bolley. Hokkaido U. Facul. Agr. J. 47:193-266. Ref. Dec.1950. 107.6 J273J
- 56549 TRAAEN, A. E. Experiment regarding treatments of seed grain with disinfectants, during the years 1944-49. (In Norwegian.) Forsk. og Forsøk i Landbr. 1:421-446. 1950. 11 F772
English summary.
- 56550 TULLIS, E. C. *Fusarium moniliforme*, the cause of a stalk rot of sorghum in Texas. Phytopathology 41:529-535. Ref. June 1951. 464.8 P56
- 56551 TVERSKOJ, D. L., ZHUKOVA, K. P., and NAVSUTS, B. S. In regard to causes for the damping-off of red clover seedlings in Moscow Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travo-selanie i semenovodstvo mnogoletnikh trav, p.634-636. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
Fusarium, chiefly.
- 56552 TYNER, L. E. Control of loose smut of barley by chemical and physical treatments. Sci. Agr. 31:187-192. May 1951. 7 Sci2
- 56553 VESTAL, E. F., and SEMENIUK, G. Puccinia sorghi and Helminthosporium turcicum on corn in Iowa during 1950. Plant Dis. Rptr. 35:212-214. Apr.15,1951. 1.9 P69P
- 56554 VLASVELD, W. P. N. Investigations and observations on scab disease in 1947, 1948 and 1949. (In Dutch.) Tijdschr. over Plantenziekten 57:15-32. Ref. Jan./Feb. 1951. 464.8 T44
English summary.
- Venturia inaequalis (Cook) Aderh. on apple and V. pirina Aderh. on pear.
- 56555 VOLK, G. W., WILSON, J. H., and HAYNES, J. L. For treating seeds, farmers ask: what about liquid fertilizers? Agronomists find no important benefits. Ohio Farm & Home Res. [Ohio Sta.] 36(268):8-9. Jan./Feb.1951. 100 Oh3S
- 56556 WADE, G. C. Control of black spot in apples. Queensland Prod. 32(26):19. Dec.27,1950. 23 Q35
- 56557 WALLIN, J. R. An epiphytotic of corn rust [Puccinia sorghi] in the North Central region of the United States. Plant Dis. Rptr. 35:207-211. Apr.15,1951. 1.9 P69P
- 56558 WERNHAM, C. C. Cold testing of corn; a chronological and critical review. Pa. Agr. Expt. Sta. Prog. Rpt. 47,12 p. Ref. Mar.1951. 100 P381P
To determine resistance to seedling blight.
- 56559 WETTINGER. Beizen und vor krähen schützen! Bad. Landwirt. Wchnbl. 118:170. Mar.17,1951. 18 B142
Grain.
- 56560 WILSON, J. D. Coppers win over organics in tomato blight spray tests. Food Packer 32(6):40,45. June 1951. 286.83 C165
Fungicides for late blight.
Similar title in Ohio Farm & Home Res. [Ohio Sta.] 36(268):6-7. Jan./Feb.1951. 100 Oh3S
- 56561 YODER, J. B., SINDEN, J. W., and HAUSER, E. Experience with zinc ethylene bis-dithio-carbamate as a fungicide in mushroom cultivation. Mushroom Sci. 1:100-108. 1950. 80 M972
- 56562 YOUNG, R. A., and MILBRATH, J. A. Camellia flower blight. Amer. Camellia Ybk. 1950:254-261. 97.31 Am32
- Diseases Caused by Bacteria**
- 56563 BAIN, D. C. Observations on resistance to black rot [Xanthomonas campestris] in cabbage. Plant Dis. Rptr. 35:200-204. Apr.15,1951. 1.9 P69P
- 56564 BRAUN, A. C. Recovery of tumor cells from effects of the tumor-inducing principle in crown gall. Science 113:651-653. Ref. June 8,1951. 470 Sci2
- 56565 BROADFOOT, J. Crown gall, a warning to gardeners and growers of deciduous fruit. Rhodesia Agr. J. 47:481. Nov./Dec.1950. 24 R34
- 56566 DIMMOCK, A. W. Current disease research. Chrysanthemum Soc. Amer. B. 19(1,i.e.2):27-28. Apr. 1951. 81 C46B
Bacterial disease of Chrysanthemum.
- 56567 DOWSON, W. J., and RUDD JONES, D. Bacterial wet rot of potato tubers following Phytophthora infestans. Ann. Appl. Biol. 38:231-236. Mar.1951. 442.8 An72
- 56568 HAVAS, L. J., and HEUSNER, A. Réactions tumorales et tératologiques d'une tomate tétraploïde au Phytomonas tumefaciens Sm-et Twinsnd. Acad. des Sci. Compt. Rend. 232:1695-1696. Apr.30,1951. 505 P21
- 56569 HILDEBRAND, E. M. Bacterial diseases and their controls. South. Florist & Nurseryman 64(4):98-100. Apr.20,1951. 80 So86
- 56570 JACOBS, S. E., and MOHANTY, U. Studies in bacteriosis, XXVII. Factors influencing infection by Corynebacterium fascians (Tilford) Dowson. Ann. Appl. Biol. 38:237-245. Mar.1951. 442.8 An72
Experiments with Lathyrus odoratus and Cicer arietinum.
- 56571 KLYKOV, A. P. Cotyledonal bacteriosis of soybeans and its control. (In Russian.) Mikrobiologija 20:33-40. Ref. Jan./Feb.1951. 448.3 M582
Caused by Bacterium solanacearum and B. sojiae.
- 56572 SCHMIDT, T. Die bakterien-blattfleckenkrankheit der gurke. Pflanzenarzt 4(3):5. Mar.1,1951. 464.9 P482
Pseudomonas lacrimans.
In Austria.
- 56573 SHNEIDER, IU. I. Results of studying bacterial necrosis in citrus. (In Russian.) Mikrobiologija 20:41-51. Ref. Jan./Feb.1951. 448.3 M582
Bacterium citriputale C. O. Smith.
- 56574 THIERS, H. D., and BLANK, L. M. A histological study of bacterial blight of cotton. Phytopathology 41:499-510. Ref. June 1951. 464.8 P56
- Viruses and Virus Diseases**
- 56575 AFANASIEV, M. M., and MORRIS, H. E. Virus diseases of sweet cherries in Montana in 1950. Plant Dis. Rptr. 35:191. Apr.15,1951. 1.9 P69P
- 56576 ANDERSON, C. W. Some preliminary observations on cucurbit viruses in Florida. Plant Dis. Rptr. 35:233-234. May 15,1951. 1.9 P69P
- 56577 AUGIER DE MONTGREMIER, H. La dissémination du virus X (Marmor dubium (Orton) Holmes) dans les cultures de pommes de terre. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Epiphyt. 1:38-47. Ref. Jan./Feb.1950. 464.9 F84An
- 56578 BLACK, L. M. Hereditary variation in the reaction of sweet clover to the wound-tumor virus [Aureogenus magnivena]. Amer. J. Bot. 38:256-267. Ref. Apr. 1951. 450 Am36
- 56579 BRUER, H. L., SHEPARD, C. E., and PERSONS, T. D. Survey of phony incidence in wild Prunus. Plant Dis. Rptr. 35:186-188. Apr.15,1951. 1.9 P69P
- 56580 COCHRAN, L. C., WEINBERGER, J. H., TURNER, W. F. Natural occurrence of the phony virus in wild Chickasaw plums near peach orchards in Georgia. Plant Dis. Rptr. 35:181-182. Apr.15,1951. 1.9 P69P
- 56581 COMEGYS, W. R. Pepper virus diseases—symptoms, spread, and control. Del. State Bd. Agr. B. 40(5):52-55. 1951. 2 D37B
- 56582 COONS, G. H., and KOTILA, J. E. Virus yellows of sugar beets and tests for its occurrence in the United States. (Abs.) Phytopathology 41:559. June 1951. 464.8 P56
- 56583 GANGULY, A. The potato and the virus diseases. Sci. & Cult. 16:348-352. Feb.1951. 475 Sci24
- 56584 GIDDINGS, N. J. A method of testing some plants for curly top. Phytopathology 41:475-476. May 1951. 464.8 P56
- 56585 GIDDINGS, N. J., BENNETT, C. W., and HARRISON, A. L. A tomato disease resembling curly top. Phytopathology 41:415-417. May 1951. 464.8 P56
- 56586 GRANT, T. J., COSTA, A. S., and MOREIRA, S. Tristeza disease of citrus in Brazil. Calif. Citrog. 36:310-311,324-326,328. Ref. June 1951. 80 C125
- 56587 GROGAN, R. G., and HANNA, G. C. Sweet-potato internal cork in California. Plant Dis. Rptr. 35:230-231. May 15,1951. 1.9 P69P
- 56588 HAGEDORN, D. J. The reaction of perfection-type peas to Wisconsin bean virus 2 isolates from pea. Phytopathology 41:494-498. June 1951. 464.8 P56
- 56589 HENNER, J. Sorglosigkeit beim kartoffelbau in virus-abbaugebieten. Pflanzenarzt 4(3):4-5. Mar.1, 1951. 464.9 P482
Austria.
- 56590 HOUGAS, R. W. Factors affecting sap transmission of the potato yellow-dwarf virus. Phytopathology 41:483-493. Ref. June 1951. 464.8 P56
- 56591 HULL, R. Can virus yellows be avoided in 1951? Brit. Sugar Beet Rev. 19:105-109. Mar.1951. 66.8 B77
Similar title in Farmer & Stock-Breeder 65(3214):87. May 29,1951. 10 F228; Inst. Corn & Agr. Merchants. J.3:25-28. Spring 1951. 10 In7
- 56592 JENSEN, D. D. Mosaic or black streak disease of Cymbidium orchids. Phytopathology 41:401-414. May 1951. 464.8 P56

- 56593 KAWAI, I., and others. On the outbreak process of the rice plants yellow dwarf disease. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemorative issue of the 50th anniversary, p.130-137. Ref. Shidzuoka, 1950. 107.6 Sh6Co
- 56594 KENKNIGHT, G., BRUER, H. L., and SHEPARD, C. E. Occurrence of phony disease in wild plum thickets distant from peach orchards in Spartanburg County, South Carolina. Plant Dis. Rptr. 35:183-185. Apr. 15, 1951. 1.9 P69P
- 56595 KEVORKIAN, A. G. The cushion-gall disease of cacao. (Abs.) Phytopathology 41:562-563. June 1951. 464.8 P56
- 56596 KING, C. Mosaic is big headache to Kansas wheat farmer. Kans. Farmer 88(8):18-19. Apr. 21, 1951. 6 K13
- 56597 KLINKOWSKI, M. Ein Beitrag zur Frage der Infektionsmöglichkeit des X-virus der Kartoffel bei Wurzelkontakt. Z. f. Pflanzenkrankh. (Pflanzenpath.) u. Pflanzenschutz 58:3-6. Jan./Feb. 1951. 464.8 Z3
- 56598 KLOSTERMEYER, E. C., and MENZIES, J. D. Insect transmission of alfalfa witch's-broom virus to other legumes. Phytopathology 41:456-458. May 1951. 464.8 P56
- 56599 LACKEY, C. F. Histological studies of a tomato disease resembling curly top. Phytopathology 41:418-419. May 1951. 464.8 P56
- 56600 LIMASSET, P., CORNUET, P., and GENDRON, Y. Comparaison entre l'extraction du virus de la mosaïque du tabac par voie mécanique et sous l'action de divers systèmes enzymatiques. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Epiphyt. 1:1-12. Ref. Jan./Feb. 1950. 464.9 F84An
- 56601 MCCLEAN, A. P. D. Virus infections of citrus in South Africa. Citrus Grower 207:1-5. (To be cont.) Apr. 30, 1951. 80 C495
- 56602 MCKINNEY, H. H. A seed-borne virus causing false-stripe in barley. (Abs.) Phytopathology 41:563-564. June 1951. 464.8 P56
- 56603 MATTHEWS, R. E. F. Effect of some substituted purines on the development of plant virus infections. Nature [London] 167:892-893. June 2, 1951. 472 N21
- 56604 MILLER, P. W. Studies on the mechanical transmission of strawberry yellows. Plant Dis. Rptr. 35:179-180. Apr. 15, 1951. 1.9 P69P
- 56605 MORGAN, O. D., and MCKINNEY, H. H. A disease of Maryland broadleaf tobacco with symptoms similar to leaf-curl symptoms. (Abs.) Phytopathology 41:564. June 1951. 464.8 P56
- 56606 NOORDAM, D., THUNG, T. H., and WANT, J. P. H. VAN DER. Investigations on carnation mosaic. I. (In Dutch.) Tijdschr. over Plantenziekten 57:1-15. Ref. Jan./Feb. 1951. 464.8 T44
- English summary.
- 56607 POLLARD, E., and DIMOND, A. E. Effect of primary ionization on tobacco mosaic virus. (Sum.) Phys. Rev. (ser. 2) 82:302. Apr. 15, 1951. 334.8 P56
- 56608 REYES, G. M. The sugarcane mosaic disease situation in the Philippines. Philippines. Bur. Plant Indus. Plant Indus. Digest 13(12):9-12. Dec. 1950. 25 P544P
- 56609 ROLAND, G. Etude préliminaire sur les variétés du virus X (Solanum virus I, Orton). Parasitica 6: 51-62. Ref. 1950. 464.8 P21
- 56610 ROSS, A. F., and WILLIAMSON, C. E. Physiologically active emanations from virus-infected plants. Phytopathology 41:431-438. Ref. May 1951. 464.8 P56
- 56611 SCHULTZ, E. S. Interveneal mosaic of potato. (Abs.) Phytopathology 41:564-565. June 1951. 464.8 P56
- 56612 SIMONDS, A. O. Transmission of apricot ring pox to peaches and plums. Plant Dis. Rptr. 35:189-190. Apr. 15, 1951. 1.9 P69P
- 56613 SLYKHUIS, J. T. Setaria viridis, a host of wheat mosaic. Plant Dis. Rptr. 35:221. Apr. 15, 1951. 1.9 P69P
- 56614 SMITH, K. M. Recent advances in the study of plant viruses. Ed. 2. Philadelphia, Blakiston, 1951. 300 p. Ref. 464.32 Sm6
- 56615 STEENLAND, A. P. Virus in nursery stock. (Sum.) West. Fruit Grower 5(3):19. Mar. 1951. 95.8 G762
- 56616 STRUBLE, F. B., CORDNER, H. B., and MORRISON, L. S. Relative incidence of internal cork of sweetpotatoes in Oklahoma in 1950 and 1951. Plant Dis. Rptr. 35:227-229. May 15, 1951. 1.9 P69P
- 56616 TAKAHASHI, W. N. A ground glass homogenizer for preparing virus samples from plant tissue. Phytopathology 41:481-482. May 1951. 464.8 P56
- 56617 THOMAS, H. R. A strain of alfalfa mosaic virus causing a systemic mottle in beans. (Abs.) Phytopathology 41:566. June 1951. 464.8 P56
- 56618 VANDERWALLE, R., and ROLAND, G. Contribution à l'étude de la jaunisse du navet. Parasitica 7: 14-15. 1951. 464.8 P21
- 56619 WALLACE, J. M., and DRAKE, R. J. Citrus decline virus; vein clearing and stem pitting as diagnostic symptoms shorten tests. Calif. Agr. [Calif. Sta.] 5(5):7,16 May 1951. 100 C12Cag
- 56620 WATSON, M. A., and WATSON, D. J. The effect of infection with beet yellows and beet mosaic viruses on the carbohydrate content of sugar-beet leaves, and on translocation. Ann. Appl. Biol. 38:276-288. Mar. 1951. 442.8 An72
- 56621 WATSON, R. D., and RANDALL, T. E. Curly-top on wild seedling potatoes. Plant Dis. Rptr. 35:231-232. May 15, 1951. 1.9 P69P
- 56622 YOUNG, H. C., JR. Indexing hosts for sour-cherry ring-spot and yellows. Phytopathology 41:479-480. May 1951. 464.8 P56
- 56623 ZAUMEYER, W. J., and FISHER, H. H. Potentialities of southern bean mosaic in the field. (Abs.) Phytopathology 41:567. June 1951. 464.8 P56

Diseases Caused by Nematodes

- 56624 CAIRNS, J., and THOMAS, C. A. Nematodes causing mushroom crop losses. Mushroom Sci. 1:89-91. 1950. 80 M972
- 56625 CHITWOOD, G. B., SPECHT, A. W., and HAVIS, A. L. Reactions of peach seedlings to nematode infections. (Abs.) Phytopathology 41:559. June 1951. 464.8 P56
- 56626 CRITTENDEN, H. W. Root-knot nematode control on cantaloupes. (Abs.) Phytopathology 41:560. June 1951. 464.8 P56
- 56627 CROSBY, J. Stunted tomatoes should be suspect. They may be victims of potato root eelworm. Smallerholder 85(2139):9. May 18, 1951. 10 Sm1
- 56628 GOCDEY, J. B. The potato tuber nematode, Ditylenchus destructor Thorne, 1945; the cause of eelworm disease in bulbous Iris. Ann. Appl. Biol. 38:79-90. Ref. Mar. 1951. 442.8 An72
- 56629 GOTO, S., and GIBLER, J. W. A leaf gall forming nematode on Calamagrostis canadensis (Michx.) Beauv. Plant Dis. Rptr. 35:215-216. Apr. 15, 1951. 1.9 P69P
- 56630 HOLSTON, E. M., and CRITTENDEN, H. W. Resistance in soybeans to root-knot nematodes. (Abs.) Phytopathology 41:562. June 1951. 464.8 P56
- 56631 KIR'ANOVA, E. S. Sbor i izuchenie gallovo i druzhki rasteniefaydnikh nematod [Collection and study of gall [Heterodera marioni] and other plant-eating nematodes. Moskva, Akademika Nauk SSSR, 1950. 46 p. Ref. (Akademika Nauk. Zoologicheskii Institut. V Pomoshch' Rabotafayshchim na Polezashchitnykh Lesnykh Polosakh. No. 11) 410.9 Ak12
- 56632 MAI, W. F. Solanum xanti Gray and Solanum integrifolium Poir., new hosts of the golden nematode, Heterodera rostochiensis Wollenweber. Amer. Potato J. 28:578-579. Apr. 1951. 75.8 P842
- 56633 SASSER, J. N. The use of gelatin capsules for making single egg-mass inoculations with the root-knot nematode (Meloidogyne spp.). (Abs.) Phytopathology 41: 564. June 1951. 464.8 P56
- 56634 TARJAN, A. C., and FERGUSON, M. H. Association of certain nematodes with yellow tuft of bent grass. (Abs.) Phytopathology 41:566. June 1951. 464.8 P56
- 56635 TARJAN, A. C. An explanation of the revision of the root-knot nematodes, Meloidogyne spp. Plant Dis. Rptr. 35:216. Apr. 15, 1951. 1.9 P69P
- 56636 TARJAN, A. C. Observations on nematodes associated with decline of ornamental plantings. Plant Dis. Rptr. 35:217-218. Apr. 15, 1951. 1.9 P69P
- 56637 TARJAN, A. C. Pathological behavior of root-knot nematode on snapdragon. (Abs.) Phytopathology 41:566. June 1951. 464.8 P56

ECOLOGY

- 56638 BARNES, H., and STANBURY, F. A. A statistical study of plant distribution during the colonization and early development of vegetation on china clay residues. J. Ecol. 39:171-181. Ref. Mar. 1951. 450 J829 England.
- 56639 BOCHER, T. W. Contributions to the flora and plant geography of west Greenland. II. The Carex capitata-, the Luzula multiflora-, and the Torularia humilis-complexes. Meddel. om Grønland 147(7), 39 p. Ref. 1950. 502 C792

- 56640 BRAARUD, T. Salinity as an ecological factor in marine phytoplankton. *Physiol. Plant.* 4:28-34. Ref. 1951. 450 P564
- 56641 CABRAL, I. DE A. R. Ecology of the cork oak—its distribution in Portugal. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 13:127-130. (Cont.) Mar.1951. 309.9 J96
- 56642 COOMBE, D. E., and WHITE, F. Notes on calcareous communities and peat formation in Norwegian Lapland. *J. Ecol.* 39:33-62. Ref. Mar.1951. 450 J829
- 56643 DAVIS, P. H. Cliff vegetation in the eastern Mediterranean. *J. Ecol.* 39:63-93. Ref. Mar.1951. 450 J829
- 56644 ECOLOGICAL SOCIETY OF AMERICA. The glacial border—climatic, soil, and biotic features. *Ohio. J. Sci.* 51:105-146. May 1951. 410 Oh3
Partial contents: Vegetation and cryoplanation, by H. M. Raup; The possible role of microclimate, by J. N. Wolfe; Plant distribution in relation to the glacial boundary, by E. L. Braun.
- 56645 GILLI, A. Die phänologie des Salicornietum herbaceae an der Nordsee. *Phyton* 2:247-259. 1950. 450 P565
- 56646 HALDEN, B. E. The Korperget Hill at Viksberg in Salem, Prov. Södermanland, and some notes on the biotopes of *Asplenium ruta-muraria* and hazel. (In Swedish.) *Svensk Bot. Tidskr.* 44:535-550. Ref. 1950. 450 Sv2
English summary.
- 56647 HASKELL, G. Plant chromosome-races and their ecology in Great Britain. *Nature [London]* 167:628-629. Ref. Apr.21,1951. 472 N21
- 56648 HINE, R. L. Grassland dynasty. *Audubon Mag.* 53:174-183. May/June 1951. 413.8 B53
- 56649 HUFNAGL, Der sauerklee-schattenblümchentyp. *Allg. Forstztg.* 62:81-82. May 1951. 99.8 AL53
Oxalis acetosella and *Majanthemum bifolium*.
- 56650 ISAAC, W. E. Observations on the ecology of *Bifurcaria brassicaeformis* (Kütz.) Barton. *J. Ecol.* 39:94-105. Ref. Mar.1951. 450 J829
- 56651 JENNINGS, J. N., and LAMBERT, J. M. Alluvial stratigraphy and vegetational succession in the region of the Bure Valley broads. I-III. *J. Ecol.* 39:106-170. Ref. Mar.1951. 450 J829
I and II by J. N. Jennings and J. M. Lambert; III by J. M. Lambert.
- 56652 KASSAS, M. Studies in the ecology of Chippenham Fen. I-II. *J. Ecol.* 39:1-18,19-32. Ref. Mar.1951. 450 J829
- 56653 KILLIAN, C. Ecologie de la végétation du bassin du Chott Hodna. *Acad. des Sci. Compt. Rend.* 232:1587-1589. Apr.23,1951. 505 P21
Algeria.
- 56654 KUTSCHERA, L. Pflanzensoziologische Beobachtungen im Lavanttal. *Wetter u. Leben* 3:57-61. Mar. 1951. 340.8 W53
- 56655 OBERDORFER, E. Die schafweide im hochgebirge. *Forstwiss. Centbl.* 70:117-124. Feb.1951. 99.8 F775
An ecological study in Germany.
- 56656 PHILIPPIS, A. DE. Forest ecology and phytoclimatology. *Unasylva* 5:10-14. Jan./Mar.1951. 99.8 Un1
- 56657 SABARDINA, G. S. Change in vegetation after drainage of marsh. (In Russian.) *Latv. PSR Zinātņu Akad. Vest.* 2:81-91. 1950. 511 R442
Plant associations.
- 56658 SMIRNOV, V. E. Bio-ecological principles of shelterbelt silviculture under Kulunda steppe conditions in Altai Territory. (In Russian.) In Reverdatto, V. V., ed. *Voprosy travopol'noi sistemy zemledeliia v Zapadnoi Sibiri*, p.128-143. Novosibirsk,1950. 33.31 R32
- 56659 SOBOLEVSKAIA, K. A. Rastitel'nost' Tuvy [Vegetation of Tuva]. Novosibirsk,1950. 139 p. 459.2 So14
- 56660 STECKHAN, H. Die klimagrenzen unseres waldes. *Unser Wald* 3(9):16-17. Sept.1950. 99.8 Un7
- 56661 STECKHAN, H. Um die zukunft der landschaft. *Unser Wald* 3(9):1-2. Sept.1950. 99.8 Un7
- 56662 TORKILDSEN, G. B. The cause of poor reproduction of Norway spruce in forests with undergrowth of bracken. (In Norwegian.) (Sum.) *Blyttia* 8:160-164. 1950. 450 B622
English summary.
- 56663 WEAVER, J. E., and TOMANEK, G. W. Ecological studies in a midwestern range: the vegetation and effects of cattle on its composition and distribution. *Nebr. Conserv. B.* 31,82 p. Apr.1951. 279.9 N272B
- MORPHOLOGY, ANATOMY, AND CYTOLOGY
- 56664 AYCOCK, R. Some nuclear phenomena in *Physalospora obtusa*. *Phytopathology* 41:459-465. Ref. May 1951. 464.8 P56
- 56665 BALL, E. Differentiation in a callus culture of *Sequoia sempervirens*. *Growth* 14:295-325. Ref. Dec. 1950. 442.8 G91
- 56666 BIGNOLI, D. P. Características de algunos biotipos de alfalfa. *Rev. Argentina de Agron.* 18:1-12. Mar.1951. 9 R327
Morphological characters.
- 56667 BOCHER, T. W., and LARSEN, K. Chromosome numbers of some arctic or boreal flowering plants. *Meddel. om Grønland* 147(6),32 p. Ref. 1950. 502 C792
- 56668 CAMPO-DUPLAN, VAN. Recherches sur la phylogénie des Abiétinées d'après leurs grains de pollen. *Toulouse. U. Lab. Forest. Trav.* 2,sect.1(4,article 1), 183 p. Ref. 1950. 99.9 T64
- 56669 CASTRO, D., and WAGNER, M. N. Preliminary observations on the cytology of the genus *Alisma* L. in Portugal. *Genét. Ibérica* 2:75-83. Ref. 1950. 443.8 G23
- 56670 CHANDA, S. K., HIRST, E. L., and PERCIVAL, E. G. V. The constitution of a pear cell-wall xylan. *Chem. Soc. J.* 1951:1240-1246. May 1951. 382 L84J
- 56671 COUTINHO, L. DE A. Observaciones cariológicas en un híbrido de *Vicia faba* L. *Genét. Ibérica* 2:83-100. 1950. 443.8 G23
English summary.
- 56672 CRÉTÉ, P. Embryogénie des Boragacées. Développement de l'embryon chez l'*Alkanna lutea* A. DC. (*Nonnea lutea* DC.). *Acad. des Sci. Compt. Rend.* 232:1689-1691. Apr.30,1951. 505 P21
- 56673 FEDOROV, A. A., NIKITIN, A. A., and PANKOVA, I. A. On the origin of the calyx in Siberian Globeflower [*Trollius asiaticus*]. (In Russian.) *Priroda* 39(12):52-54. Ref. Dec.1950. 410 P933
- 56674 GOODEY, J. B. A secondary piliferous layer on the roots of *Hippeastrum*. *Nature [London]* 167:822-823. May 19,1951. 472 N21
- 56675 GREENSHIELDS, J. E. R. Polyembryony in alfalfa. *Sci. Agr.* 31:212-222. Ref. May 1951. 7 Sci2
- 56676 HAWKER, L. E., and FRAYMOUTH, J. A re-investigation of the root-nodules of species of *Elaeagnus*, *Hippophae*, *Alnus* and *Myrica*, with special reference to the morphology and life histories of the causative organisms. *J. Gen. Microbiol.* 5:369-386. Ref. May 1951. 448.3 J823
- 56677 HEIM, P. Sur la structure du noyau chez les Discomycètes. *Acad. des Sci. Compt. Rend.* 232:1693-1695. Apr.30,1951. 505 P21
- 56678 HELIGE, H., and WEBER, F. Stomata-zahl vergrünter Hydrangea-kelchblätter. *Phyton* 2:299-301. Ref. 1950. 450 P565
- 56679 JACOBS, W. P. Auxin relationships in an intercalary meristem: further studies on the gynophore of *Arachis hypogaea* L. *Amer. J. Bot.* 38:307-310. Ref. Apr.1951. 450 Am36
- 56680 JANCHEN, E. Die sogenannte schildform der jungen staubgefäße. *Phyton* 2:267-270. 1950. 450 P565
- 56681 KENDA, G. Anthozyanstaub in der anthereneperidermis von *Papaver rhoeas*. *Phyton* 2:288-290. 1950. 450 P565
- 56682 KNABEN, G. Chromosome numbers of Scandinavian arctic-alpine plant species. I. *Blyttia* 8:129-155. Ref. 1950. 450 B622
- 56683 KRISHNASWAMI, M. K. Floral abnormalities in certain seedlings of *S. spontaneum* L. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):22-27. Ref. 1951. 65.9 C766
Saccharum spontaneum.
- 56684 LAM, H. J. Stachysopory and phyllospory as factors in the natural system of the Cormophyta. *Svensk Bot. Tidskr.* 44:517-534. Ref. 1950. 450 Sv2
- 56685 LI, H. L. Evolution in the flowers of *Pedicularis*. *Evolution* 5:158-164. June 1951. 443.8 Ev62
- 56686 NAPP-ZINN, K. Über ein neues zwangstordiertes exemplar von *Dianthus barbatus* L. *Phyton* 2:260-266. Ref. 1950. 450 P565
- 56687 NARASIMHAN, V. R., and RAO, J. T. Comparative study of the stem epidermis of *Colombatore canes* in cultivation. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):28-41. Ref. 1951. 65.9 C766
- 56688 PATTERSON, E. B., LONGLEY, M. O., and ROBERTSON, D. S. Chromosome numbers in cultivated *Camellias*. *Amer. Camellia Ybk.* 1950:107-113. 97.31 Am32

- 56689 RAO, A. N., and RAJU, M. V. S. Leaf bulbils in *Scilla indica* Baker. *Sci. & Cult.* 16:373. Feb. 1951. 475 Sci24
- 56690 RAO, T. A., and KELKAR, S. S. Occurrence of marginal strands in the leaf of *Maba nigrescens* Dalz. *Sci. & Cult.* 16:209. Nov. 1950. 475 Sci24
- 56691 RAUH, W. *Morphologie der Nutzpflanzen*. Ed. 2. Heidelberg, Quelle & Meyer, 1950. 290 p. 463.42 R19
- 56692 RAY, G. L. The third style of *Oryza sativa* Linn. *Sci. & Cult.* 16:371-372. Feb. 1951. 475 Sci24
- 56693 ROUFFA, A. S., and GUNCKEL, J. E. A comparative study of vegetative shoot apices in the Rosaceae. *Amer. J. Bot.* 38:290-300. Ref. Apr. 1951. 450 Am36
- 56694 SENNELS. Familiar seeds under the big magnifying glass. (In Danish.) *Frø og Gart.* 15:69-73. Dec. 1950. 80 F92
- 56695 SHCHEPOT'EV, F. L. Fruit-twins of walnut [*Juglans regia*]. (In Russian.) *Priroda* 39(11):56-59. Nov. 1950. 410 P933
- 56696 SMITH, L. Genetics and cytology of barley. *Bot. Rev.* 17:285-355. Ref. (Concl.) May 1951. 450 B6527
- 56697 SUAREZ DE CASTRO, F. Algunas observaciones sobre el sistema radicular de *Coffea arabica* L. *II. Agr. Trop.* 7(4):45-53. Apr. 15, 1951. 26 Ag8
- 56698 SUNESON, S. The cytology of the bispore formation in two species of *Lithophyllum* and the significance of the bispores in the Corallinaceae. *Bot. Not.* 4:429-450. Ref. 1950. 450 B656
- 56699 SUSSEX, I. M. Experiments on the cause of dorsiventrality in leaves. *Nature [London]* 167:651-652. Apr. 21, 1951. 472 N21
- 56700 WEBER, H. Über den morphologischen wert der blumenblätter. *Phyton* 2:291-298. Ref. 1950. 450 P565
- 56701 WETMORE, R. H., and WARDLAW, C. W. Experimental morphogenesis in vascular plants. *Annu. Rev. Plant Physiol.* 2:269-292. Ref. 1951. 450 An78
- 56702 WHITE, P. R. Neoplastic growth in plants. *Q. Rev. Biol.* 26:1-16. Ref. Mar. 1951. 442.8 Q2
- Galls, tumors, teratomas.

GENETICS

- 56703 ANDERSON, E. Concordant versus discordant variation in relation to introgression. *Evolution* 5:133-141. June 1951. 443.8 Ev62
- In plants.
- 56704 BAUER, R. Aufbau des österreichischen sortenprüfungswezens. *Austria. Bundesmin. f. Land- u. Forstwirtschaft. Jahr- u. Adressb.* 1949:181-186. 1950. 19 Au72J
- How to organize for testing results of plant breeding.
- 56705 BEAUDRY, J. R. Seed development following the mating *Elymus virginicus* L. \times *Agropyron repens* (L.) Beauv. *Genetics* 36:109-133. Ref. Mar. 1951. 442.8 G28
- 56706 BELL, G. D. H. The contribution of plant breeding to crop improvement. *Gt. Brit. Min. Agr. Agriculture* 58:1-95. May 1951. 10 G79J
- 56707 BUTLER, L. New linkage groups in the tomato; new data necessitate revision of the fifth, tenth, eleventh and twelfth linkage groups. *J. Hered.* 42:100-104. Mar./Apr. 1951. 442.8 Am3
- 56708 CLELAND, R. E. Extra, diminutive chromosomes in *Oenothera*. *Evolution* 5:165-176. Ref. June 1951. 443.8 Ev62
- 56709 COVAS, G., and SCHNACK, B. Hibridación interespecífica en "*Hordeum*" II: *H. compressum* \times *H. californicum*. *Rev. Argentina de Agron.* 18:13-17. Mar. 1951. 9 R327
- 56710 ELLERSTRÖM, S., and TJIO, J. H. Note on the chromosomes of *Phleum echinatum*. *Bot. Not.* 4:463-465. 1950. 450 B656
- 56711 GLUSHCHENKO, I. E., and PICHKIN, A. G. Obtaining vegetative hybrids in cereals by transplantation of embryos. (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 18:29-36. 1950. 442.9 P44
- 56712 GUSTAFSSON, A. Marxist genetics at the Stockholm Botanical Congress. *J. Hered.* 42:55-59. Mar./Apr. 1951. 442.8 Am3
- 56713 HARLAND, J. R. Anatomy of gene centers. *Amer. Nat.* 85:97-103. Mar./Apr. 1951. 470 Am36
- Vavilov's "centers of origin" for plants.
- 56714 HEDLUND, T. A peculiar origin of biotypes. *Bot. Not.* 4:469-470. 1950. 450 B656
- In Malva.
- 56715 JOHNSON, L. P. V. An introduction to applied biometrics. Minneapolis, Burgess, 1950. 165 p. 251 J632
- For use by plant breeders.
- 56716 KADEL, B. R. Genetic background for *Gladolus* breeding. *No. Amer. Gladiolus Council. B.* 25:27, 29, 31, 33, 34. Mar. 1951. 96.43 N81
- 56717 KEHR, A. E. Monoploidy in *Nicotiana*. *J. Hered.* 42:107-112. Mar./Apr. 1951. 442.8 Am3
- 56718 KNAPP, W. P. VAN DER. Polyploidy as a coffee-breeding tool. (In Dutch.) *Arch. v. de Koffiecult. in Indonesië* 17:101-119. Ref. Oct. 1950. 68.28 Ar2
- English summary.
- 56719 KNIAZEV, A. A. News in the sexual hybridization of peonies. (In Russian.) *Priroda* 39(12):55-56. Dec. 1950. 410 P933
- 56720 LESIK, F. L. Michurinite method of pollen mixture in oat selection. (In Russian.) *Selekt. i Semen.* 17(12):35-37. Dec. 1950. 61.9 Se5
- 56721 LEWIS, H. The origin of supernumerary chromosomes in natural populations of *Clarkia elegans*. *Evolution* 5:142-157. Ref. June 1951. 443.8 Ev62
- 56722 MAURER, K. J. Ein versuch, den mentoreinfluss wissenschaftlich zu erklären. *Obst u. Gart.* 5:119-120. Aug. 1950. 80 Ob75
- Mitschurin theory.
- 56723 MENEZES, O. B. DE. New method of forecasting the multiple hybrid resulting from the crossing of two triple hybrids (3 \times 3). (In Portuguese.) *Rev. de Agr. [Piracicaba]* 26:43-47. Jan./Feb. 1951. 9.2 R324
- English summary.
- 56724 MORRIS, M. R. Cytogenetic studies on buckwheat; genetic and cytological studies of compatibility in relation to heterostyly in common buckwheat, *Fagopyrum sagittatum*. *J. Hered.* 42:85-89. Mar./Apr. 1951. 442.8 Am3
- 56725 NIKITENKO, G. F. On some peculiarities in vegetative hybridization of cereals by the embryo transplantation method. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:273-276. Ref. Jan. 11, 1951. 511 P444A
- 56726 REIMER, F. C. A genetic bud mutation in the pear. *J. Hered.* 42:93-94. Mar./Apr. 1951. 442.8 Am3
- 56727 RHOADES, M. M. Duplicate genes in maize. *Amer. Nat.* 85:105-110. Ref. Mar./Apr. 1951. 470 Am36
- 56728 RIGHTER, F. I., and DUFFIELD, J. W. Interspecies hybrids in pines; a summary of interspecific crossings in the genus *Pinus* made at the Institute of Forest Genetics. *J. Hered.* 42:75-80. Ref. Mar./Apr. 1951. 442.8 Am3
- 56729 SALTYSKOVSKIY, M. I., and SAPRYGINA, E. S. In regard to the theory of synthesis of physiological characteristics. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:277-280. Ref. Jan. 11, 1951. 511 P444A
- Inheritance of cold resistance in wheat hybrids.
- 56730 SANKEWITSCH, E. Die arbeitsmethoden der Mitschurinschen pflanzenzüchtung; eine kritische darstellung der methoden und anschauungen von I. W. Mitschurin und T. D. Lyssenko. *Stuttgart, Ulmer*, 1950. 172 p. 463.62 Sa52
- 56731 SHCHEPOT'EV, F. L. On metaxenia in black walnut [*Juglans nigra*]. (In Russian.) *Priroda* 39(11):59-61. Nov. 1950. 410 P933
- 56732 SHENG, T. C. A gene that causes natural death in *Neurospora crassa*. *Genetics* 36:199-212. Ref. Mar. 1951. 442.8 G28
- 56733 SIMONET, M. Sur la méiose de quelques *Pogoregelia*, *Pogocyclus* et *Pogoregelicyclus*. III. Hybrides réalisés à partir des *I. \times Hoogiamac* (Cayeux)=auto-syndetica et *Ibmac* (V. Tubergen). *Acad. des Sci. Compt. Rend.* 232:1581-1583. Apr. 23, 1951. 505 P21
- Iris.
- 56734 SINGLETON, W. R. Inheritance of corn grass a macromutation in maize, and its possible significance as an ancestral type. *Amer. Nat.* 85:81-96. Ref. Mar./Apr. 1951. 470 Am36
- 56735 STANFORD, E. H. Progress report on cytogenetics of alfalfa. *Alfalfa Impr. Conf. Rpt.* 12:14-15. 1.9 P691Rep
- 56736 STANFORD, E. H. Report of committee on nomenclature of genetic characters and factors in alfalfa. *Alfalfa Impr. Conf. Rpt.* 12:15-16. 1950. 1.9 P691Rep
- 56737 STANTON, W. R. Polyploidy and plant improvement. *Gard. Illus.* 68:171. June 1951. 80 G169
- 56738 TUSHNIÁKOVA, M. M. Graftings of sunflower (*Helianthus annuus*) with Jerusalem artichoke (*Helianthus tuberosus*). (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 18:37-46. Ref. 1950. 442.9 P44
- 56739 WHITAKER, T. W. A species cross in *Cucurbita*. *J. Hered.* 42:65-69. Mar./Apr. 1951. 442.8 Am3
- 56740 YOST, H. T., JR. The frequency of X-ray induced chromosome aberrations in *Tradescantia* as modified by near infrared radiation. *Genetics* 36:176-184. Ref. Mar. 1951. 442.8 G28

PHYSIOLOGY

- 56741** ARNON, D. I. Criteria of essentiality of inorganic micronutrients for plants, with special reference to molybdenum. Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia 1:31-39. 1950. 442.9 Un32S
Includes discussion.
- 56742** BANGA, O. Krotenstudies. VI. De invloed van het loof op de groeiselheid van de knol. VII. Classificatie van platte en ronde krotten naar knolindex, niveau van loofprestatie en groeiselheid. Studies of red garden beets VI. The influence of the foliage on the growth rate of the root. VII. Classification of varieties after root-index, level of foliage-capacity and growth rate. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 19,79 p. Sept. 1950. 86 W12
English summary.
- 56743** BARSHAD, I. Factors affecting the molybdenum content of pasture plants: II. Effect of soluble phosphates, available nitrogen, and soluble sulfates. Soil Sci. 71:387-398. May 1951. 56.8 So3
- 56744** BASU, S. N. Significance of calcium in the fruiting of *Chaetomium* species, particularly *Chaetomium globosum*. J. Gen. Microbiol. 5:231-238. May 1951. 448.3 J823
- 56745** BEAUCHAMP, C. E. A new method of increasing the sugar content of sugar cane. Assoc. de Téc. Azucareros de Cuba. Proc. 23:55-87. 1949. 65.9 As5
Use of growth substances shortly before harvesting.
- 56746** BECKER, Y., and GUYOT, L. Sur une particularité fonctionnelle des exsudats racinaires de certains végétaux. Acad. des Sci. Compt. Rend. 232:1585-1587. Apr. 23, 1951. 505 P21
- 56747** BELONozHKO, I., and CHEBOTAREVA, T. Yarovization of perennial grass seeds in order to obtain a full-value grass-legume mixture. (In Russian.) Sovet. Agron. 9:44-58. Jan. 1951. 20 So84
- 56748** BELS-KONING, H. C. Experiments on the influence of some modern insecticides on mushroom crops. Mushroom Sci. 1:91-92. 1950. 80 M972
- 56749** BENSON, N. R. Mineral content of fruit trees and requirements for growth. West. Fruit Grower 5(3): 29-32. Mar. 1951. 95.8 G762
- 56750** BERGH, H. "Studies on the metabolism of zinc using radiozinc Zn-65"; some investigations with radiozinc given to *Pisum s. sativum*. Norske Vidensk. Selsk. Forhandl. 23(30), 4 p. 1950. 502 T41F
- 56751** BIGNOLI, D. P. Ensayos de plántulas de alfalfa a bajas temperaturas. Cien. e Invest. 7:141-143. Mar. 1951. 475 C482
- 56752** BLACKMAN, G. E., TEMPLEMAN, W. G., and HALLIDAY, D. J. Herbicides and selective phytotoxicity. I-II. Annu. Rev. Plant Physiol. 2:199-230. Ref. 1951. 450 An78
I, by G. E. Blackmann; II, by W. G. Templeman and D. J. Halliday.
- 56753** BÖMEKE, H. Über den augenblicklichen stand der wirkung der hormone auf den fruchtfall. Obstbauvers. ring. Mitt. 1950:82-83. Aug. 1/15, 1950. 85 J76
- 56754** BREAZEALE, E. L., MCGEORGE, W. T., and BREAZEALE, J. F. Nutrition of plants considered as an electrical phenomenon—a new approach. Soil Sci. 71:371-375. May 1951. 56.8 So3
- 56755** BUCK, L. J. Shrub aids in determining extent of orebody. Gard. J. 1:22-23. Jan./Feb. 1951. 80 G1635
Clusia rosea.
- 56756** BURNS, R. E. Composition, structure, and ontogeny of cortex and pith of tobacco stem in relation to potassium and nitrogen deficiency. Amer. J. Bot. 38: 310-317. Ref. Apr. 1951. 450 Am36
- 56757** BURSTRÖM, H. The action of manganese on roots. Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia 1:77-84. 1950. 442.9 Un32S
Includes discussion.
- 56758** BURSTRÖM, H. Studies on growth and metabolism of roots. V. Cell elongation and dry matter content. Physiol. Plant. 4:199-208. Ref. 1951. 450 P564
- 56759** BUVAT, R., and GENEVÈS, L. Sur l'inexistence des initiales axiales dans la racine d'*Allium cepa* L. (Liliacées). Acad. des Sci. Compt. Rend. 232:1579-1581. Apr. 23, 1951. 505 P21
- 56760** CALAM, C. T., DRIVER, N., and BOWERS, R. H. Studies in the production of penicillin, respiration and growth of *Penicillium chrysogenum* in submerged culture, in relation to agitation and oxygen transfer. J. Appl. Chem. 1:209-216. Ref. May 1951. 382 J82
- 56761** CAMARA, A., WAGNER, M. N., and GARDE, A. Location of breaks induced by X-rays in chromosomes of *Triticum*. Genét. Ibérica 2:3-14. Ref. 1950. 443.8 G23
- 56762** CAWTHRON INSTITUTE. Studies in plant nutrition. Annual report for 1949-50. Cawthron Inst. B. 58,1 p. 1950. 23 C31C
- 56763** CERCÓS, A. P. Efecto de la bacilomicina y fungocina sobre la germinación del trigo. Rev. Argentina de Agron. 18:33-35. Mar. 1951. 9 R327
- 56764** CIFERRI, R. Mineral micronutrition of fruit trees. (In Italian.) Gior. di Agr. 61:141. May 6, 1951. 16 R1G
- 56765** COÏC, Y., and BAISSÉ, G. DE. Evolution du manganèse dans les différents organes de pomme de terre. Acad. des Sci. Compt. Rend. 232:1577-1579. Apr. 23, 1951. 505 P21
- 56766** CRAFTS, A. S. Movement of assimilates, viruses, growth regulators, and chemical indicators in plants. Bot. Rev. 17:203-284. Ref. Apr. 1951. 450 B6527
- 56767** DATTA, C., and GUHA, B. P. Physiological studies on rice grown in sand culture. Sci. & Cult. 16: 323-325. Jan. 1951. 475 Sci24
- 56768** DEYSSON, M. Comparaison de l'action exercée par les saponosides et par les sels biliaires sur la division des cellules végétales. Acad. des Sci. Compt. Rend. 232:1691-1693. Apr. 30, 1951. 505 P21
Experiments with onion.
- 56769** DROBKOV, A. A. Biological role of natural radioactive elements. (In Russian.) Uspekhi Sovrem. Biol. 31:82-100. Ref. Jan./Feb. 1951. 442.8 Er3
In plant life chiefly.
- 56770** DUTT, M., SIRCAR, S., and DATTA, C. Physiological studies on diploid and polyploid varieties of banana (*Musa paradisiaca* L.). Sci. & Cult. 16:215. Nov. 1950. 475 Sci24
- 56771** EDWARDS, R. L. Some factors affecting fructification in the mushroom. Mushroom Sci. 1:37-39. 1950. 80 M972
- 56772** EICHENBERGER, M. E. Sur une mutation survenue dans une culture de tissus de carotte. Soc. de Biol. Compt. Rend. 145:239-240. Feb. 1951. 442.9 P21
- 56773** EID, M. T., BLACK, C. A., and KEMPTHORNE, O. Importance of soil organic and inorganic phosphorus to plant growth at low and high soil temperatures. Soil Sci. 71:361-370. Ref. May 1951. 56.8 So3
- 56774** EMBERGER, L. L'origine de la fleur. Experimentia 7:161-168. May 15, 1951. 475 Ex7
- 56775** ERKAMA, J. On the effect of copper and manganese on the iron status of higher plants. Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia 1:53-62. Ref. 1950. 442.9 Un32S
Includes discussion.
- 56776** FEDOROV, M. V., and POD'YAPOL'SKAYA, V. P. Effect of growth conditions for legumes on formation of nodules and yield of plants. (In Russian.) Akad. Nauk SSSR. Dok. 77:121-124. Ref. Mar. 1, 1951. 511 P444A
Soil moisture and light chiefly.
- 56777** FRANCK, J. A critical survey of the physical background of photosynthesis. Annu. Rev. Plant Physiol. 2:53-86. 1951. 450 An78
- 56778** FREEMAN, J. A., and HARRIS, G. H. The effect of nitrogen, phosphorus, potassium and chlorine on the carotene content of the carrot. Sci. Agr. 31:207-211. Ref. May 1951. 7 Sci2
- 56779** GAFFRON, H., and FAGER, E. W. The kinetics and chemistry of photosynthesis. Annu. Rev. Plant Physiol. 2:87-114. Ref. 1951. 450 An78
- 56780** GALSTON, A. W. Sur la relation entre la croissance des cultures de tissus végétaux et leur teneur en catalase. Acad. des Sci. Compt. Rend. 232:1505-1507. Apr. 16, 1951. 505 P21
- 56781** GENEVÈS, L. Effets de la congélation sur les méats intercellulaires dans la racine de *Cichorium intybus* L. (variété endive). Acad. des Sci. Compt. Rend. 232: 1436-1438. Apr. 9, 1951. 505 P21
- 56782** GENKEL', P. Mineral nutrition of the green plant. (In Russian.) Molod. Kolkhoz. 18(3):20. Mar. 1951. 110 M73
- 56783** GENKEL', P. The plant and solar energy. (In Russian.) Molod. Kolkhoz. 18(2):24-25. Feb. 1951. 110 M73
- 56784** GRANT, V. The fertilization of flowers. Sci. Amer. 184(6):52-56. June 1951. 470 Sci25
- 56785** GUILLAUME, A., and ROWEHY, A. Action du froid, de la prégermination et des hormones sur le développement de tubercules de semence de pommes de terre. Acad. des Sci. Compt. Rend. 232:1866-1868. May 16, 1951. 505 P21
- 56786** HAMILTON, T. S., and others. The dependence of the physical and chemical composition of the corn kernel on soil fertility and cropping system. Cereal Chem. 28:163-176. Ref. May 1951. 59.8 C33
B. C. Hamilton, B. C. Johnson, and H. H. Mitchell, joint authors.

- 56787 HELLYER, A. G. L. How long will a seed live? *Country Life* [London] 109:1621. May 25, 1951. 80 C83
- 56788 HEWITT, E. J. Large scale sand culture methods for the study of trace element nutrition of plants. *Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia* 1:12-18. 1950. 442.9 Un32S
- 56789 HEWITT, E. J., and AGARWALA, S. C. Production of 'whiptail' in cauliflower grown in sand culture. *Nature* [London] 167:733. May 5, 1951. 472 N21
- 56790 HEWITT, E. J. The role of the mineral elements in plant nutrition. *Annu. Rev. Plant Physiol.* 2:25-52. 1951. 450 An78
- 56791 HODSON, A. C. How go the seasons? *Minn. Farm & Home Sci. [Minn. Sta.]* 8(2):15. Feb. 1951. 100 M668
- Effect on plants.
- 56792 HOLT, A. S., BROOKS, I. A., and ARNOLD, W. A. Some effects of 2537 Å on green algae and chloroplast preparations. *J. Gen. Physiol.* 34:627-645. Ref. May 20, 1951. 447.8 J822
- 56793 HOPKINS, D. P. Sodium as a plant nutrient. *World Crops*. 2:333-336. Aug. 1950. 281.8 W892
- Also in *Fert. Stuffs & Farm Supplies J.* 37:303-305. May 16, 1951. 57.8 F413
- 56794 HÜBNER, R. Vierjährige untersuchungen über Kornqualität und leistungseigenschaften des hafers. II. Z. f. Acker- u. Pflanzenbau 93:169-197. Ref. Feb. 1951. 18 J825
- 56795 HUSSAINY, S. A. Flowering in *Saccharum spontaneum* (Lahore). *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):(13)-(15). 1951. 65.9 C766
- 56796 HYGEN, G. Studies in plant transpiration. I. *Physiol. Plant.* 4:57-183. Ref. 1951. 450 P564
- 56797 IMAIZUMI, Y., and SHIOJIMA, K. Periodical investigation on the growth and nutrients absorption of sweet potatoes. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p.49-70. Shidzuoka, 1950. 107.6 Sh6Co
- 56798 INTERNATIONAL UNION OF BIOLOGICAL SCIENCES. Trace elements in plant physiology; with a report of the proceedings, by T. Wallace. *Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia* 1, 144 p. 1950. 442.9 Un32S
- Half-title: Lotsya, a biological miscellany, vol. 3. Symposium held at the Rothamsted Experimental Station, November, 1947.
- 56799 IURKEVICH, I. D. Observations [phenological] on blossoming and fruit-bearing of "chereshchaty" oak. (In Russian.) *Lesn. Khoz.* 3(11):77-79. Nov. 1950. 99.8 L5622
- 56800 JAMALAINEN, E. A. On the role of trace elements in the agriculture of Finland. *Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia* 1:99-106. Ref. 1950. 442.9 Un32S
- 56801 KACHROO, P. Vegetative propagation in some monocots. *Sci. & Cult.* 16:321-323. Jan. 1951. 475 Sci24
- 56802 KAWAI, I., and others. On the control of manganese deficiency of barley. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p.146-154. Ref. Shidzuoka, 1950. 107.6 Sh6Co
- K. Mori, Y. Naito, and H. Kawabe, joint authors.
- 56803 KAZARIAN, V. O. Importance of mutual relations between side buds of cabbage stems during the yarovization phase. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:285-287. Jan. 11, 1951. 511 P444A
- 56804 KELLY, S., and BALLY, N. A. The uptake of radioactive iodine by *Ascomyllum*. *Biol. B.* 100:188-190. June 1951. 442.8 B52
- 56805 KHOTIN, A. A. Effect of light and nitrogen nutrition on yields of *Ocimum gratissimum*. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:299-302. Ref. Jan. 11, 1951. 511 P444A
- 56806 KHUDIÁKOV, ÍA, P., and VOZNIÁKOVSKAÍA, ÍÜ. M. Pure cultures of mycorrhizal fungi. (In Russian.) *Mikrobiologíia* 20:13-19. Ref. Jan./Feb. 1951. 448.3 M582
- 56807 KRAMER, M. Practical utilization of plant hormones. (In Portuguese.) *Biológico* 17:21-27. Feb. 1951. 442.8 B529
- Growth substances.
- 56808 KRASIL'NIKOV, N. A. On intra- and inter-specific antagonism in microorganisms. (In Russian.) *Akad. Nauk SSSR. Dok.* 77:117-119. Mar. 1, 1951. 511 P444A
- Experiments with Actinomycetes mainly.
- 56809 KRIEG, H. Synthetische wuchsstoffe und ihre bedeutung für die landwirtschaft. *Seifen-Ole-Fette-Wachse* 77:172. Apr. 11, 1951. 307.8 Se4
- 56810 KULESCHA, Z., and GAUTHERET, R. Recherches sur l'action de la cynurénine sur les tissus de topinambour cultivés in vitro. *Soc. de Biol. Compt. Rend.* 145:245-246. Feb. 1951. 442.9 P21
- 56811 KULESHOV, N., and LAPTSEVICH, G. On time of cessation of stem growth in cereals. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:289-292. Ref. Jan. 11, 1951. 511 P444A
- 56812 KURITA, Y. Studies on the root development of up-land rice. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p.114-129. Shidzuoka, 1950. 107.6 Sh6Co
- 56813 LAL, K. N., and DE, R. Elemental composition of sugar-cane leaf and stem in relation to nitrogen deficiency. *Nature* [London] 167:731-732. May 5, 1951. 472 N21
- 56814 LAL, K. N., and MEHROTA, O. N. Physiological basis of drought resistance in sugarcane. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):(33)-(40). 1951. 65.9 C766
- 56815 LAMMERTS, W. E. Nutrient solution fertilization in relation to feeding Camellia plants through the leaves. *Amer. Camellia Ybk.* 1950:221-224. 97.31 Am32
- 56816 LANCE, C., and GAUTHERET, R. J. Remarques sur la structure des néoformations produites sous l'action de l'acide indole-acétique sur les cultures de tissus de topinambour. *Soc. de Biol. Compt. Rend.* 145:240-244. Feb. 1951. 442.9 P21
- 56817 LARSEN, P. Formation, occurrence, and inactivation of growth substances. *Annu. Rev. Plant Physiol.* 2:169-198. Ref. 1951. 450 An78
- 56818 LATHWELL, D. J., and EVANS, C. E. Nitrogen uptake from solution by soybeans at successive stages of growth. *Agron. J.* 43:264-270. Ref. June 1951. 4 Am34P
- 56819 LAVOLLAY, J. Sur l'activité et l'interdépendance des aliments dans la nutrition d'*Aspergillus niger*. *Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia* 1:107-118. 1950. 442.9 Un32S
- 56820 LEVITT, J. Frost, drought, and heat resistance. *Annu. Rev. Plant Physiol.* 2:245-268. Ref. 1951. 450 An78
- 56821 LEWIS, D. Production of polyploids by colchicine and X-rays. *Nature* [London] 167:891-892. June 2, 1951. 472 N21
- In plants.
- 56822 LITTLEFIELD, J. J. Camellia leaf burn. *Camellia Rev.* 12(7):9. Apr. 1951. 97.31 So82
- 56823 LÖHNIS, M. P. Injury through excess of manganese. *Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia* 1:63-76. 1950. 442.9 Un32S
- Includes discussion.
- Plants.
- 56824 LOOMIS, W. E. Photosynthesis—the major enzymatic process. *Amer. Assoc. Cereal Chem. Trans.* 9:48-52. Jan. 1951. 59.9 Am3T
- 56825 LUNDBLAD, K. Deficiency diseases of cultivated plants. (In Swedish.) *Växt-Närings-Nytt* 6(spec. no. 5):1-62. Ref. 1950. 57.8 V47
- 56826 LUNDEGÅRDH, H. The effect of indol acetic acid on the bleeding of wheat roots. *Arkiv. f. Bot. (n.s.)* 1:295-299. Ref. 1950. 451 Sv2
- 56827 LUNDEGÅRDH, H. The influence of auxin anions on the growth of wheat roots. *Arkiv. f. Bot. (n.s.)* 1:289-293. Ref. 1950. 451 Sv2
- 56828 LURIE, H. I. Sporotrichum species: their nitrogen metabolism. *Mycologia* 43:117-129. Mar./Apr. 1951. 450 M99
- 56829 MCBETH, C. W. Observations on repeated applications of D-D (dichloropropene-dichloropropane). *Plant Dis. Rptr.* 35:243-245. May 15, 1951. 1.9 P69P
- 56830 MACFARLANE, E. W. E., MESSING, SISTER A. M., and RYAN, SISTER M. H. Effects of water source on toxicity of mercurial poisons. I. Standardization of procedure in tests using Allium roots. *J. Hered.* 42:95-99. Ref. Mar./Apr. 1951. 442.8 Am3
- 56831 MCGEORGE, W. T. Lime-induced chlorosis on western crops. *Better Crops Plant Food* 35:17-20, 43-46. May 1951. 6 B46
- 56832 MACKEEVER, F. C. Seeds and their germination. I. *Gard. J.* 1:6, 23. Jan./Feb. 1951. 80 G1635
- 56833 MAGDEFRAU, K., and WUTZ, A. Die wasserkapazität der moos- und flechtendecke des waldes. *Forstwiss. Centbl.* 70:103-117. Ref. Feb. 1951. 99.8 F775
- 56834 MAIROLD, F., and WEBER, F. *Matricaria chamomilla* durch colchizinierung ohne strahlenblüten. *Phyton* 2:271-275. Ref. 1950. 450 P565

- 56835 MALHEIROS-GARDÉ, N. Algunos efectos de la morfina en la mitosis de la *Luzula purpurea* Link. Genét. Ibérica 2:29-38. 1950. 443.8 G23
English summary.
- 56836 MILLIKAN, C. R. Radio-autographs of manganese in plants. Austral. J. Sci. Res. Ser. B: Biol. Sci. 4: 28-41. Ref. Feb. 1951. 442.8 Au72
- 56837 MIRIMANIÁN, V. A. Effect of Poncirus trifoliata Raf. rootstock on some physiological properties of pear-like shaddock (*Citrus grandis* Osb). (In Russian.) Akad. Nauk SSSR. Dok. 76:269-272. Ref. Jan. 11, 1951. 511 P444A
- 56838 MORGAN, D. T., JR., and RAPPLEYE, R. D. Polyembryony in maize and lily [*Lilium regale*] following X-irradiation of the pollen. J. Hered. 42:91-93. Ref. Mar./Apr. 1951. 442.8 Am3
- 56839 MOROZOV, P. V. Effect of soil temperature on growth of spring wheat root system during the period of sowing to sprouting. (In Russian.) Akad. Nauk SSSR. Dok. 76:293-294. Jan. 11, 1951. 511 P444A
- 56840 MOSER, L. Die rückbildung der wurzeln. Schweiz. Z. f. Obst- u. Weinbau 60:194-197. May 19, 1951. 80 Sch9
- 56841 MOSOLOV, V. P. Effect of various dates of seeding and bud removal on yields of clover seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.414-426. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 56842 MOURAVIEFF, I. Action de l'hydratation des cellules epidermiques sur l'appareil stomatique. Acad. des Sci. Compt. Rend. 232:1507-1509. Apr. 16, 1951. 505 P21
- 56843 MOYER, S. Greenhouse uses atomic energy in study of plants and soils; scientists now conduct investigations, once impossible, with radioactive isotopes in effort to establish basic facts about elements and plant life; new knowledge should benefit farmers. Goodyear Farm Prog. 7(2):1. 1951. 6 G63
Greenhouse at the U. S. Department of Agriculture's Plant Industry Station, Beltsville, Md.
- 56844 MUKHINA-BEGACHEVA, V. A., and BRILLIANT, V. A. Effect of high air humidity on growth and gas exchange of tea. (In Russian.) Akad. Nauk SSSR. Dok. 77:133-136. Mar. 1, 1951. 511 P444A
- 56845 MULDER, D. Zinc deficiency of fruit trees in Europe. Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia 1:85-86. 1950. 442.9 Un32S
- 56846 MULDER, E. G. Importance of copper and molybdenum in the nutrition of higher plants and micro-organisms. Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia 1:41-52. 1950. 442.9 Un32S
Includes discussion.
- 56847 NAUNDORF, G. La producción química de nuevas variedades de plantas. Acta Agron. 1:27-48. Ref. Dec. 1950. 9.4 Ac8
- 56848 NIELSEN, E. S. Passive and active ion transport during photosynthesis in water plants. Physiol. Plant. 4:189-198. Ref. 1951. 450 P564
- 56849 NORKRANS, B. Studies in growth and cellulytic enzymes of *Tricholoma*, with special reference to mycorrhiza formation. Symb. Bot. Upsal. 11(1), 126 p. Ref. 1950. 451 Up72
- 56850 NORTHCOTE, G. S. Functions of the green leaf in fruit production. New Zeal. J. Agr. 82:125, 127. Feb. 1951. 23 N48J
- 56851 NOULARD, L. Influence des hormones des groupes du M.C.P.A. et du 2.4 D sur un froment d'hiver. Rev. de l'Agr. 4:311-315. Mar. 1951. 13 R322
English summary.
- 56852 PARTHASARATHY, S. V., and RAO, M. V. R. Tissue moisture and its relation to sugarcane ripening. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.2):(5)-(12). Ref. 1951. 65.9 C766
- 56853 PARTHASARATHY, S. V., RAO, W. T., and VAIDYANATHAN, S. Water requirements of sugarcane. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.2):(1)-(4). 1951. 65.9 C766
- 56854 PÄTILÄ, R. The use of tetrazolium bromide in the study of yeast-like fungi. Suomen Kemistilehti. B 23:79-81. In Suomen Kemistilehti. A 23. 1950. 385 Su7
- 56855 PISEK, A., and TRANQUILLINI, W. Transpiration and wasserhaushalt der fichte (*Picea excelsa*) bei zunehmender luft- und bodentrockenheit. Physiol. Plant. 4:1-27. Ref. 1951. 450 P564
- 56856 POEL, L. W. Soil aeration in relation to *Pteridium aquilinum* (L.) Kuhn. J. Ecol. 39:182-191. Mar. 1951. 450 J829
- 56857 PREVOT, P., and COMMUN, R. L. Effet secondaire des désinfectants employés pour les graines d'arachide. Oléagineux 6:216-220. Apr. 1951. 77.8 OL2
- 56858 PREW, H. A. Sour sap of fruit trees. New Zeal. J. Agr. 82:142. Feb. 1951. 23 N48J
- 56859 RAHEJA, P. C. Investigation in growth & development in sugarcane. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.2):(19)-(26). 1951. 65.9 C766
- 56860 RAHEJA, P. C. Nature of water balance in sugarcane: its practical significance. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.2):(27)-(32). Ref. 1951. 65.9 C766
- 56861 RAKITIN, I. V., and KRITSKAIA, L. M. Retardation of bud burst in fruit trees with the aid of chemical preparations. (In Russian.) Akad. Nauk SSSR. Dok. 76:295-297. Jan. 11, 1951. 511 P444A
Spraying with potassium salt of alpha naphthalene acetic acid and 2,4-dichlorophenoxyacetic acid.
- 56862 RANDHAWA, G. S. The effect of different synthetic hormones on fruit-set in tomatoes. Indian J. Hort. 7(3/4):26-33. Ref. Sept./Dec. 1950. 80 In2
- 56863 RANNINGER, R. Eine einfache und sichere methode zur bestimmung der saugkraft beim mais. Pflug 4:72. Mar. 1951. 19 P48
- 56864 RANZONI, F. V. Nutrient requirements for two species of aquatic Hyphomycetes. Mycologia 43:130-141. Mar./Apr. 1951. 450 M99
- 56865 RAO, N. V. M., and NARASIMHAM, R. L. A rapid colorimetric method for total nitrogen in cane-leaf. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.1):124-128. 1951. 65.9 C766
- 56866 RAUTANEN, N. On the chemistry of photosynthesis. (In Finnish.) Suomen Kemistilehti. A 23: 253-263. 1950. 385 Su7
- 56867 REISCHER, H. S. Growth of Saprolegniaceae in synthetic media. I. Inorganic nutrition. Mycologia 43:142-155. Ref. Mar./Apr. 1951. 450 M99
- 56868 RENNERTFELT, E., and THUNELL, B. Under-Sökningar över bokens rödkärna. Untersuchungen über den rotkeim der buche. Sweden. Stat. Skogsforskinst. Meddel. 39(4), 36 p. Ref. 1950/51. 99.9 Sw32
German summary.
- 56869 REYNEKE, J. Chemical, physical, and soil problems in plant nutrition. (In Afrikaans.) So. African Indus. Chem. 5:48-52. (To be cont.) Mar. 1951. 385 So8
- 56870 ROBERTS, R. H. Induction and blossoming of *Xanthium*. Science 113:726-728. Ref. June 22, 1951. 470 Sci2
- 56871 ROBERTSON, R. N. Mechanism of absorption and transport of inorganic nutrients in plants. Annu. Rev. Plant Physiol. 2:1-24. Ref. 1951. 450 An78
- 56872 ROCASOLANO, C. Qué son las fitohormonas? Cult. Mod. 34:97-98. Mar. 1951. 15 C89
- 56873 ROUX, E. Sur le comportement possible de la chlorophylle dans la photosynthèse. Acad. des Sci. Compt. Rend. 232:1865-1866. May 16, 1951. 505 P21
- 56874 RUDAKOVA, M. M. Study of dynamics of seed swelling for early determination of earliness of a variety. (In Russian.) Selek. i Semen. 17(12):50-53. Dec. 1950. 61.9 Se5
Experiments with sunflowers.
- 56875 SAMPAYO, T. M. Accion de la quinoletina sobre la mitosis radicular de *Allium cepa* L. Genét. Ibérica 2:53-74. Ref. 1950. 443.8 G23
English summary.
- 56876 SAUNBY, T. Soilless cultivation. Gard. Illus. 68:143. May 1951. 80 G169
- 56877 SCHACHL, M. Tageslänge und pflanzenwachstum. Obst u. Gart. 5:103. July 1950. 80 Ob75
- 56878 SEELEY, J. G. Leaf burn of lilies reduced by nitrogen fertilizer. United Florists News 6(3):7. Mar. 1951. 80 Un33
- 56879 SELISHCHENSKAIA, A. A. Survey of phenological observations for the winter of 1949/1950. (In Russian.) Vsesoiūzn. Geog. Obshch. Izv. 82:421-422. July/Aug. 1950. 511 L546
- 56880 SEN GUPTA, J. C., and SEN, G. Effect of photoperiodic treatments on three dates of sowing on the formation of fruits in jute. Sci. & Cult. 16:119. Sept. 1950. 475 Sci24
- 56881 SHARPE, R. H., BLACKMON, G. H., and GAMMON, N., JR. Magnesium deficiency of pecans. Soeast. Pecan Growers Assoc. Proc. 44:23, 25-28. 1951. 94.69 G29
- 56882 SHINOHARA, S. Studies on the bolting of Japanese radish. (In Japanese.) In Shidzuoka. Agricultural Experiment Station. Commemoration issue of the 50th anniversary, p.183-221. Ref. Shidzuoka, 1950. 107.6 Sh6Co
English summary.

- 56883 SHKOL'NIK, M. IA., and STEKLOVA, M. M. In regard to the physiological role of boron in plants. (In Russian.) Akad. Nauk SSSR. Dok. 77:137-140. Ref. Mar.1,1951. 511 P444A
Experiments with flax.
- 56884 SHOKHIN, M. V. New method of taking samples of sprouting of winter cereals. (In Russian.) Sovet. Agron. 9:87-88. Jan.1951. 20 So84
- 56885 SIGLE, K. Das kartoffeleiweiss. seine steigerung und verwertung. I. Z. f. Acker- u. Pflanzenbau 93: 208-258. Ref. Feb.1951. 18 J825
- 56886 SINGH, S. N. Effect of some hormones on the rootage of *Psidium guajava* L. Sci. & Cult. 16:198-202. Nov.1950. 475 Sci24
- 56887 SISLER, W. W., and OLSON, P. J. A study of methods of influencing lodging in barley and the effect of lodging upon yield and certain quality characteristics. Sci. Agr. 31:177-186. Ref. May 1951. 7 Sci2
- 56888 SIU, R. G. H., and SINDEN, J. W. Effects of pH, temperature, and mineral nutrition on cellulytic fungi. Amer. J. Bot. 38:284-290. Ref. Apr.1951. 450 Am36
- 56889 SOSSOUNTZOV, I. Etude de la croissance in vitro des prothalles de *Gymnogramme calomelanos* sur des milieux à concentrations variables en alanine et en phénylalanine. Soc. de Biol. Compt. Rend. 145:300-303. Feb.1951. 442.9 P21
- 56890 SOSSOUNTZOV, I. La phénylalanine comme source d'azote pour la croissance in vitro des prothalles de *Gymnogramme calomelanos*. Soc. de Biol. Compt. Rend. 145:298-300. Feb.1951. 442.9 P21
- 56891 SOSSOUNTZOV, I. Sexualité de dimensions des prothalles de *Gymnogramme calomelanos* cultivés in vitro sur des milieux à concentrations variables en glycolle et en alanine. Soc. de Biol. Compt. Rend. 145: 295-298. Feb.1951. 442.9 P21
- 56892 STARK, F. C., and MATTHEWS, W. A. Nutrient sprays for cantaloupes and tomatoes. Del. State Bd. Agr. B. 40(5):17-18. 1951. 2 D37B
- 56893 STEENBERG, F. Investigations on microelements from a practical point of view. Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia 1:87-97. Ref. 1950. 442.9 Un32S
Includes discussion.
For plants.
- 56894 STEINBACH, H. B. Permeability. Annu. Rev. Plant Physiol. 2:323-342. Ref. 1951. 450 An78
- 56895 STEINER, A. A. The oxygen supply for plant roots in soilless culture. (In Dutch.) T.N.O.-Nieuws 6:47-50. Feb.1951. 475 T11
- 56896 STOPPANI, A. O. M. Pyruvate metabolism in *Saccharomyces cerevisiae*. Nature [London] 167:653-654. Ref. Apr.21,1951. 472 N21
- 56897 SYRACUSE UNIVERSITY. DEPT. OF PLANT SCIENCES. Physiology of the wood-rotting fungi. Summary technical report 2, January-December, 1949, by M. W. Jennison, R. Henderson, M. Derrick, R. O'Neill, and F. Rupp, Jr. Syracuse, 1950. 46 p. 462.8 Sy8
- 56898 TAMM, C. O. Removal of plant nutrients from tree crowns by rain. Physiol. Plant. 4:184-188. 1951. 450 P564
- 56899 TATUM, L. A., and KEHR, W. R. Observations on factors affecting seed-set with inbred strains of dent corn. Agron. J. 43:270-275. Ref. June 1951. 4 Am34P
- 56900 TAUC, L. L'indépendance de l'effet photo-électrique des végétaux vis-à-vis des substances de croissance. Soc. de Biol. Compt. Rend. 145:220-221. Feb.1951. 442.9 P21
- 56901 THOMAS, M. D. Gas damage to plants. Annu. Rev. Plant Physiol. 2:293-322. Ref. 1951. 450 An78
- 56902 THURSTON, J. M. A comparison of the growths of wild and of cultivated oats in manganese-deficient soils. Ann. Appl. Biol. 38:289-302. Mar.1951. 442.8 An72
- 56903 TOMBESI, L., and others. Catalase activity and critical energy of seeds from plant on different water regimes. (In Italian.) Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P. 31,8 p. 1950. 105.4 R66
S. Fortini, M. Tarantola, and M. E. Venezian, joint authors.
- 56904 TOMBESI, L., and TARANTOLA, M. Chemical composition of seeds of some plants related with water availability in the soil. (In Italian.) Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P. 30,10 p. 1950. 105.4 R66
English summary.
- 56905 TOMBESI, L. Photosynthesis, respiratory quotient, transpiration, catalase and oxidase activity of some plants related with the soil water disponibility. (In Italian.) Sta. Chim. Agr. Sper. di Roma Ann. Ser. III. P. 28,54 p. Ref. 1950. 105.4 R66
English summary.
- 56906 TOMBESI, L. Production of organic substances and available soil moisture. I. (In Italian.) Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P. 29,17 p. 1950. 105.4 R66
- 56907 TULLIS, E. C. Herbicides for accelerating the maturation of rice. Down to Earth 7:4. Summer 1951. 381 D75
- 56908 TURNER, J. S. Respiration: the Pasteur effect in plants. Annu. Rev. Plant Physiol. 2:145-168. 1951. 450 An78
- 56909 TWIGG, M. C., and LINK, C. B. Deficiency symptoms of Azaleas studied. South. Florist & Nurseryman 64(4):96-97. Apr.20,1951. 80 So86
- 56910 ULRICH, R., and TAVERNIER, I. Les variations de composition de l'atmosphère des méats des poires au cours de la maturation; leurs rapports avec le métabolisme. Acad. des Sci. Compt. Rend. 232:1434-1436. Apr.9,1951. 505 P21
- 56911 VALLANCE, K. B. Germination of seeds of *Bartsia odontites*. Nature [London] 167:732. May 5,1951. 472 N21
- 56912 VARMA, S. C. The nitrogen content of leaves as an indication of growth and yield of sugarcane. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.2): (16)-(17). 1951. 65.9 C766
- 56913 VEEN, R. VAN DER. Influence of daylength on the dormancy of some species of the genus *Populus*. Physiol. Plant. 4:35-40. 1951. 450 P564
- 56914 VIRTANEN, A. I. Utilization of the nitrate ion by plants and its relation to the assimilation of the ammonium ion and molecular nitrogen. Acta Agr. Scand. 1:1-19. Ref. 1950. 11 Ac82
- 56915 VLASENKO, I. A., and DOMBROVSKAYA, M. V. Dynamics of carbohydrate in citrus under conditions of dug-out cultivation. (In Russian.) Akad. Nauk SSSR. Dok. 77:125-127. Ref. Mar.1,1951. 511 P444A
- 56916 VOLKOV, I. A. Root system of spring wheat under irrigation conditions in the Central Chernozem Area of RSFSR. (In Russian.) Akad. Nauk SSSR. Dok. 77: 129-132. Mar.1,1951. 511 P444A
- 56917 WAGNER, M. N. The action of X-rays on chromosomes of *Triticum vulgare* Host. Genét. Iberica 2:39-51. Ref. 1950. 443.8 G23
- 56918 WALKER, A. C., and others. Nitrogen fertilization of sugar beets in the Woodlandarea of California. I-II. Amer. Soc. Sugar Beet Technol. Proc. 6:362-389. 1950. 66.9 Am35
I, Effects upon glutamic acid content, sucrose concentration and yield, by A. C. Walker, L. R. Hac, A. Ulrich, and F. J. Hills; II, Effects upon the nitrate-nitrogen of petioles and its relationship to sugar production, by A. Ulrich.
- 56919 WALLACE, T. The application of the method of visual diagnosis to trace element problems in plants. Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia 1:5-11. 1950. 442.9 Un32S
Includes discussion.
- 56920 WAREING, P. F. Growth studies in woody species. III. Further photoperiodic effects in *Pinus silvestris*. Physiol. Plant. 4:41-56. Ref. 1951. 450 P564
- 56921 WARMKE, H. E. Studies on pollination of *Hevea brasiliensis* in Puerto Rico. Science 113:646-648. June 8, 1951. 470 Sci2
- 56922 WHEATLEY, J. R., and BRASHER, E. P. Effect of foliar applications of certain nutrient elements upon tomatoes and lima beans. Del. State Bd. Agr. B. 40(5):19-23. 1951. 2 D37B
Minor elements.
- 56923 WHITE, P. R. Nutritional requirements of isolated plant tissues and organs. Annu. Rev. Plant Physiol. 2:231-244. Ref. 1951. 450 An78
- 56924 WITSCH, H. V., and FLUGEL, A. Über photoperiodisch induzierte endomitose bei *Kalanchoe blossfeldiana*. Naturwissenschaften 38:138-139. Mar.31,1951. 474 N213
- 56925 WYND, F. L., and STROMME, E. R. Absorption of manganese and iron by navy bean plants grown in a calcareous soil fertilized with a manganese-containing glassy frit. Lloydia 14:40-54. Ref. Mar.1951. 442.8 L77
- 56926 WYND, F. L. Availability to wheat plants of iron in very insoluble glass frits. Lloydia 14:1-33. Mar. 1951. 442.8 L77
- 56927 WYND, F. L., and BOWDEN, R. A. Response of chlorotic blueberry bushes to a very insoluble iron-containing glassy frit. Lloydia 14:55-57. Mar.1951. 442.8 L77
- 56928 WYND, F. L., and BOWDEN, R. A. Response of snapdragons to very insoluble iron-containing frit. Lloydia 14:34-39. Mar.1951. 442.8 L77
- 56929 ZARUBIN, A. F. Shoot regeneration in Persian walnut [*Juglans regia*]. (In Russian.) Priroda 40:65-66. Jan.1951. 410 P933

BIOCHEMISTRY

- 56930 ZIEBUR, N. K., and BRINK, R. A. The stimulative effect of *Hordeum endosperms* on the growth of immature plant embryos in vitro. *Amer. J. Bot.* 38:253-256. Ref. Apr.1951. 450 Am36
- 56931 ADELBERG, E. A., BONNER, D. M., and TATUM, E. L. A precursor of isoleucine obtained from a mutant strain of *Neurospora crassa*. *J. Biol. Chem.* 190:837-841. Ref. June 1951. 381 J824
- 56932 BERTRAND, G. Sur la présence générale et sur le rôle probable du sodium dans les plantes. *Acad. des Sci. Compt. Rend.* 232:1381-1384. Apr.9,1951. 505 P21
- 56933 BROWN, R., and others. The stimulant involved in the germination of *Orobancha minor* Sm. 1-2. *Biochem. J.* 48:559-568. Ref. May 1951. 382 B52
1. Assay technique and bulk preparation of the stimulant, by R. Brown, A. D. Greenwood, A. W. Johnson, and A. G. Long; 2. Chromatographic purification of crude concentrates, by R. Brown, A. D. Greenwood, A. W. Johnson, A. G. Long, and G. J. Tyler.
- 56934 BRYAN, J. T., and LAUTER, W. M. A note on the alkaloid content of *Gloriosa rothchildiana*, O'Brien. *Amer. Pharm. Assoc. J. Sci. Ed.* 40:253. May 1951. 396.9 Am33J
- 56935 CHATTERJEE, R. The formation of the alkaloids in plants. *Sci. & Cult.* 16:58-60. Ref. Aug.1950. 475 Sci24
- 56936 DEDONDER, R. Les glucides du topinambour. V. Hydrolyse par les enzymes de levure et de *Sterigmatocystis nigra*. *Acad. des Sci. Compt. Rend.* 232:1442-1444. Apr.9,1951. 505 P21
- 56937 DURMISHCHIDZE, S. V., and TSISKARISHVILI, T. P. Conversions of grape tannins during ripening. (In Russian.) *Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn.* 3:7-25. Ref. 1950. 390.1 Ak1
- 56938 DUTT, N. L., and NARASIMHAN, R. Starch in the genus *Saccharum* and its interspecific and intergeneric hybrids. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):4-10. Ref. 1951. 65.9 C766
- 56939 ESDORN, I. Wie bilden pflanzen ätherische öle? *Umschau* 51:150-151. Mar.1,1951. 474 Um7
- 56940 FRIES, N. *Ophiostoma multiannulatum* (Hedgec. & Davids.) as a test object for the determination of pyridoxin and various nucleotide constituents. *Arkiv f. Bot.* (n.s.)1:271-287. Ref. 1950. 451 Sv2
- 56941 GILLIS, J., HOSTE, J., and FERNANDEZ-CALDAS, E. La cuproína como reactivo para la determinación espectrofotométrica de trazas de cobre en los vegetales. *An. de Edafología y Fisiol. Veg.* 9:585-591. Sept./Oct.1950. 506 Sp12
- English summary.
- 56942 GRANICK, S. Biosynthesis of chlorophyll and related pigments. *Annu. Rev. Plant Physiol.* 2:115-144. 1951. 450 An78
- 56943 HARTLEY, G. S., and HEATH, D. F. Decomposition of radioactive octamethylpyrophosphoramide in living plants. *Nature [London]* 167:816. May 19,1951. 472 N21
- 56944 HAWKER, L. E. Biochemistry of sexual reproduction in plants. (Abs.) *Biochem. J.* 48:lxv. May 1951. 382 B52
- 56945 HIVON, K. J., DOTY, D. M., and QUACKENBUSH, F. W. Ascorbic acid and ascorbic-acid-oxidizing enzymes of manganese-deficient soybean plants grown in the field. *Soil Sci.* 71:353-359. Ref. May 1951. 56.8 So3
- 56946 JONES, R. L., METCALFE, T. P., and SEXTON, W. A. The relationship between the constitution and the effect of chemical compounds on plant growth. 3. *Biochem. J.* 48:422-425. Apr.1951. 382 B52
- 56947 KAUFMANN, B. P., GAY, H., and MCDONALD, M. R. Enzymatic degradation of ribonucleoproteins. *Amer. J. Bot.* 38:268-275. Apr.1951. 450 Am36
- 56948 KLOSA, J. Hormonartige körpere in der küchenzwiebel (*Allium cepa*). *Seifen-Ole-Fette-Wachse* 77:166-167. Apr.11,1951. 307.8 Se4
- 56949 KRISTJANSON, A. M., DION, H. G., and SPINKS, J. W. T. Measurement of P32 in plant material. (Abs.) *Chem. Canada* 3:94-95. May 1951. 381 C4236
- 56950 LEARMONTH, E. M. A new anti-proteolytic factor in soya beans. *Nature [London]* 167:820. May 19, 1951. 472 N21
- 56951 LEE, J. W., and UNDERWOOD, E. J. The influence of variety on the thiamin and nitrogen contents of wheat. *Austral. J. Expt. Biol. & Med. Sci.* 28:543-548. Ref. Sept.1950. 442.8 Au7
- 56952 LEWIS, K. F., and WEINHOUSE, S. Assimilation of carbon dioxide in oxalate and citrate by *Aspergillus niger*. *Amer. Chem. Soc. J.* 73:2906-2909. June 1951. 381 Am33J
- 56953 LEWIS, K. F., and WEINHOUSE, S. Studies on the mechanism of citric acid production in *Aspergillus niger*. *Amer. Chem. Soc. J.* 73:2500-2503. June 1951. 381 Am33J
- 56954 MACDOUGALL, D., and BIGGS, D. A. A modification of the quinalizarin method for the estimation of boron in plant tissue. (Abs.) *Chem. Canada* 3:95. May 1951. 381 C4236
- 56955 MAISIN, J., and others. Modulations et mutations chez *Saccharomyces cerevisiae*; comportement biochimique des formes modulées et mutées. *Soc. de Biol. Compt. Rend.* 145:151-154. Jan.1951. 442.9 P21
- G. Lambert, E. van Duyse, and M. Mandart, joint authors.
- 56956 MAKSIMOVICH, A. E., OKANENKO, A. S., and BAKHIR, A. I. Organic acids in the cation-anion balance of sugar beet tissues. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:235-238. Jan.11,1951. 511 P444A
- 56957 MASCRE, M., and PARIS, R. Structure protoplasmique et phénomènes fermentaires chez les végétaux. *Soc. de Chim. Biol. B.* 33:109-113. Ref. 1951. 383 So1
- 56958 MEISSNER, R. Die bestimmung von glyzerin in pflanzlichem material. *Phyton* 2:316-318. 1950. 450 P565
- 56959 MORGAN, E. N. Metabolic products of the wood-rotting fungus *Polyporus benzoinus* (Wahl.) Fr. *Biochem. J.* 48:xlili-xliv. Mar.1951. 382 B52
- 56960 PARIS, R. Composition chimique du tégument séminal et du péricarpe de marron d'Inde (*Aesculus hippocastanum* L.). *Ann. Pharm. Franç.* 9:124-128. Ref. Feb.1951. 396.8 An7
- 56961 RAMKRISHNAN, C. V., and SRINIVASAN, K. S. Synthesis of thiamine and ascorbic acid by molds grown on cocoanut. *Sci. & Cult.* 16:320-321. Jan.1951. 475 Sci24
- 56962 REEVE, R. M. Histochemical tests for polyphenols in plant tissues. *Stain Technol.* 26:91-96. Ref. Apr.1951. 442.8 St1
- 56963 ROBERTS, L. W. Survey of factors responsible for reduction of 2,3,5-triphenyltetrazolium chloride in plant meristems. *Science* 113:692-693. June 15,1951. 470 Sci2
- 56964 SANTAVY, F., and others. Isolement des substances des bulbes des différentes espèces du genre colchique; substances tirées du colchique et leurs dérivés. *Ann. Pharm. Franç.* 9:50-59. Ref. Jan.1951. 396.8 An7
- M. Cernoch, J. Malinsky, B. Lang, and A. Zajickova, joint authors.
- 56965 SCHINDLER, H. Beiträge zur chemie des weissdorns (*Crataegus*) 1. Die quantitative bestimmung des sog. laktons in den blättern und fruchten. *Arch. der Pharm.* 284:35-38. 1951. 396.8 Ar2A
- 56966 SHEPHERD, C. J. The enzymes of carbohydrate metabolism in *Neurospora*. 1. Succinic dehydrogenase. *Biochem. J.* 48:483-486. Ref. Apr.1951. 382 B52
- 56967 SISLER, H. D., and COX, C. E. Release of carbon disulfide from tetramethylthiuram disulfide by fungi. (Abs.) *Phytopathology* 41:565. June 1951. 464.8 P56
- 56968 STODOLA, F. H., RAPER, K. B., and FENNEL, D. I. Pigments of *Penicillium herquelii*. *Nature [London]* 167:773-774. May 12,1951. 472 N21
- 56969 STOLL, A., and SEEBECK, E. Sur la spécificité de l'alliinase provenant de l'*Allium sativum*. *Acad. des Sci. Compt. Rend.* 232:1441-1442. Apr.9,1951. 505 P21
- 56970 TAVLITZKI, J. Sur les conditions de la formation de pigment chez une levure rouge. *Rev. Canad. de Biol.* 10:48-59. Mar.1951. 442.8 R325
- English summary.
- 56971 VENEZIAN, M. E. Oxidase activity in relation to bacterial symbiosis of legumes. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 32,14 p. Ref. 1950. 105.4 R66
- 56972 WHITAKER, D. R. The metabolic product pattern of wood-rotting fungi. (Abs.) *Chem. Canada* 3:95. May 1951. 381 C4236
- 56973 WILSON, D. G., KROTKOV, G., and REED, G. B. Biosynthesis of radioactive asparagine from C14O2. *Science* 113:695-696. June 15,1951. 470 Sci2
- Experiment with lupine and tobacco.
- 56974 YAW, K. E., and CUTTER, V. M., JR. Crosses involving biochemically deficient mutants of *Allomyces arbuscula*. *Mycologia* 43:156-160. Mar./Apr.1951. 450 M99

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

- 56975 BLANKFEL'D, I. U., and PISKAREV, A. Observations on root systems of field crops and trees during their joint planting. (In Russian.) *Sovet. Agron.* 9:68-77. Ref. Jan. 1951. 20 So84
- 56976 BLISS, R. K. Sound crop rotations increase yields. *Iowa State Watersheds B.* 1(12):5-7. Apr. 1951. 290.8 Io9
- 56977 BLONDELEAU, L. Organisation des recherches agronomiques en Afrique Occidentale Française. *Agron. Trop.* 6:174-178. Mar./Apr. 1951. 26 Ag86
- 56978 CHIZHEVSKII, M. G. Development and rational utilization of grass field in the crop rotation. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.109-136. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 56979 CONNELL, R. P., and HADFIELD, J. W. *Agriculture*. Ed. 6, rev. Christchurch, N. Z., Whitcombe & Tombs, 1950? 496 p. 30.2 C762
- 56980 FEDTKE. Eine bewährte Fruchtfolge führte zur arbeitsspitze im herbst. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:732. May 17, 1951. 18 L2346
- 56981 GT. BRIT. OVERSEAS FOOD CORPORATION. SCIENTIFIC DEPT. East Africa, annual report for the crop year 1948-49. II. Full reports. Kongwa, 1950. 132 p. 389.9 G7972
- Includes studies on soil fertility, culture of field crops, and insect and disease control.
- 56982 HORNE, F. R. Conservación de la pureza de las semillas. *Chacra* 21(246):24-25. May 1951. 9 C34
- 56983 HORNE, F. R. Seed recommendations from Cambridge. *Times Survey Brit. Agr.* 1951:15. Mar. 1951. 10 T48
- Varieties of field crops.
- 56984 KLOKOV, K. P. The entire agronomical and zootechnical personnel must undertake the quickest adaptation of grass-field crop rotations. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.64-66. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 56985 KRESS. Die bedeutung und die ergebnisse eines versuchsfeldes für das volkseigene gut und die umliegende landwirtschaft. *Deut. Landwirt.* 2:231-232. (Concl.) May 1951. 18 D4822
- 56986 MCMURRAY, S. F. 1950 variety performance trials of field crops. *Tenn. Agr. Expt. Sta. B.* 218, 16 p. Jan. 1951. 100 T25S
- 56987 MADER, W. Programm und arbeiten der Harrach'schen Pflanzenschutzstation Gerhaus. *Landwirtschaft 1951:9-11.* (Cont.) Jan. 1951. 19 L235
- Report of field tests.
- 56988 REVERDATTO, V. V., ed. *Voprosy travopol'noi sistemy zemledeliia v Zapadnoi Sibiri* [Problems of the grass-field crop rotation system of agriculture in Western Siberia]. Novosibirsk, 1950. 198 p. 33.31 R32
- Reports on conference in memory of V. R. Vil'fams.
- 56989 RUTHER, H. Der anbau von stoppelsaaten. *Deut. Landwirt.* 2:238-241. May 1951. 18 D4822
- 56990 SALAS, C. A. Algunas sugerencias sobre la cosecha fina 1950-51. *Res* 19:25812-25813. Mar. 20, 1951. 286.85 R31
- Problems connected with harvesting the crops in Argentina.
- 56991 SELL, O. E. Fifty years of progress in the South. *Crops & Soils* 3(8):18-20. June/July 1951. 6 W55
- Field crops.
- 56992 SILORET, G. L'agriculture dans les Landes de Gascogne. *Potasse* 25:86-89. May/June 1951. 57.8 P84
- 56993 SMIRNOV, V. F. The grass-field crop rotation system of agriculture—a sure way to an abundant life for collective farmers. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.74-76. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 56994 SPOONER, H. L. Six-year rotation system. *Better Farming Methods* 23(6):18, 20-21. June 1951. 58.8 B46
- 56995 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Research in agronomy. *Wash. State Col. Ext. Mimeog.* 975, 2 p. Mar. 1951. 275.29 W27M1

Cereals

- 56996 ANDERSON, E. The corn plant of today. *Des Moines, Pioneer Hi-Bred Corn*, 1950, c. 1949. 20 p. 463.5 An22
- 56997 ATKINS, I. M., and COFFMAN, F. A. Mustang, a hardy new winter oat. *Agron. J.* 43:287-291. Ref. June 1951. 4 Am34P
- 56998 AUDIDIER, L. Les maïs hybrides. *Potasse* 25:69-71. Apr. 1951. 57.8 P84
- 56999 BARRADAS, L. Rice seed selection by convenient methods. (In Portuguese.) *Gaz. do Agr.* 3:58-63. Mar. 1951. 24 G25
- 57000 BARRADAS, L. A. Let us prepare for the next wheat season. (In Portuguese.) *Gaz. do Agr.* 3:40-41. Feb. 1951. 24 G25
- 57001 BARRAU, J. Le maïs hybride. *Rev. Agr. de la Nouvelle-Calédonie (n.s.)* 1(11/12):8-9. Nov./Dec. 1950. 25 R322
- 57002 BECKER, W. R. The culture of corn. (In Dutch.) *Friesch Landtbl.* 48:200. Mar. 23, 1951. 12 F91
- 57003 BELIZ, J. M. Systematic botany of wheat. III. Classification and botanical description of some forms cultivated in Portugal. (In Portuguese.) *Melhoramento* 3:76-92. Ref. 1950. 105.7 M48
- 57004 BENSON, E. G. A floating nursery for paddy. *Agr. Soc. Trinidad & Tobago. Proc.* 50:442-443. Dec. 1950. 8 T73
- 57005 BLANCO, J. L., and OLIVEIRA, A. J. DE. Hibridación en cadena; producción de emergencia de semilla híbrida de maíz. *Genét. Ibérica* 2:15-27. 1950. 443.8 G23
- 57006 BOERGER, A. La siembra de maíz híbrido en el Uruguay. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 366:5, 12. Apr. 12, 1951. 9.9 G15B
- 57007 BRANDSMA, J. S. Grain culture in the Netherlands. (In Dutch.) *Landbode* 5(10):1. Mar. 10, 1951. 12 L234
- 57008 BRIEGER, F. G. Hybrid corn versus synthetic varieties. (In Portuguese.) *Soc. Rur. Bras. Rev.* 30(361):30-32. Dec. 1950. 9.2 B733
- 57009 BROWN, W. L. Corn among the Hopi. *Pioneer Kernels* 4(11):4-5. Nov. 1950. 280.38 P65
- Culture.
- 57010 BROWNE, R. Intensifications, par les hybrides, la culture du maïs. *Agr. Prat.* 115:254-255. May 1951. 14 J82
- 57011 CALZADA B., J. Efecto del aumento de la densidad de siembra en los cultivos de trigo de Junín. *Vida Agr.* 28:127, 129-130. Feb. 1951. 9.8 V66
- 57012 CAMPOS, M. DE P. Corn for planting. (In Portuguese.) *Gaz. do Agr.* 3:39-40. Feb. 1951. 24 G25
- 57013 CATALINA, L. Simplificación en la hibridación del maíz. *Cult. Mod.* 34:92. Mar. 1951. 15 C89
- 57014 CHAPMAN, C. J. How to double your corn yields. *Capper's Farmer* 62(6):16-17, 25. June 1951. 6 M693
- 57015 CHEVALIER, R. Blés durs. *Prog. Agr. et Vitic.* 1951:223-230. Apr. 29, 1951. 14 P94
- 57016 CLARK, J. A., and BAYLES, B. B. Distribution of the varieties and classes of wheat in the United States in 1949. *U. S. D. A. C.* 861, 71 p. Mar. 1951. 1 Ag84C
- 57017 COCCHI, L. Hybrid corn. (In Italian.) *Mondo Agr.* 2(2):5. Jan. 14, 1951. 16 M74
- Italy.
- 57018 CONSOLINI, A. Unusual grain culture points gathered in Lombardy in 1950. (In Italian.) *Agr. Ital.* 2:65-69. Feb. 1, 1951. 16 Ag822
- 57019 DE HART, P. H. Grow more corn on fewer acres. *South. Planter* 112(4):10, 18. Apr. 1951. 6 So89
- 57020 DIONIGI, A. "Nazareno Strampelli 2" wheat. (In Italian.) *Gior. di Agr.* 61:123. Apr. 22, 1951. 16 It1G
- 57021 ECKHOFF, G. Zur spätbestellung des rübenweizens. *Hannoversche Land- u. Forstwirt. Ztg.* 103:1033. Nov. 18, 1950. 18 H194
- 57022 EMEL'IANOV, A. S. Local Baiganinskoe (Tabynskoe) millet. (In Russian.) *Selekt. i Semen.* 17(12):28-31. Dec. 1950. 61.9 Se5
- 57023 ENGELMANN, H. Was ist dieses jahr mit dem rogen los? *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:738. May 17, 1951. 18 L2346
- Cultural problems.
- 57024 FENAROLI, L. Criteria for selection of hybrid corn. (In Italian.) *Gior. di Agr.* 61:91. Mar. 25, 1951. 16 It1G
- 57025 FERWERDA, F. P. Hybrid corn and its future in the Netherlands. (In Dutch.) *Nieuwe Veldbode* 17:354-355. Feb. 22, 1951. 12 V542N

- 57026 FISCHER, W. Landessortenversuche mit winterweizen 1949/50. Hannoversche Land- u. Forstwirt. Ztg. 103:917. Oct.14,1950. 18 H194
- 57027 FOSSEUX, G. DE, BARRAUD, A., and MAYER, R. Expérimentation sur les variétés d'avoine de printemps 1945-1949. France. Min. de l'Agr. B. Tech. d'Inform. 1951:187-193. Mar.1951. 14 F844B
- 57028 GARDENHIRE, J. H., and DUDLEY, D. I. Denton corn performance tests, 1946-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1359, 2 p. Apr.10,1951. 100 T31P
- 57029 GONÇALVES, P. A. Production of hybrid corn in Illinois. (In Portuguese.) Lav. Arroz. 5(51):29-30. Mar.1951. 59.8 L39
- 57030 GOPP, K. Betrachtungen zur sorten- und saatgutfrage im braugerstenanbau. Hannoversche Land- u. Forstwirt. Ztg. 104:229,235,253. Mar.10-17,1951. 18 H194
- 57031 GRIFFITHS, R. L. Championship Wheat Crop Competition, 1950-51. So. Austral. Dept. Agr. J. 54: 319-324. Feb.1951. 23 So84
- 57032 GRIFFITHS, R. L. Wheat varieties in the District Wheat Crop Competitions, 1950. So. Austral. Dept. Agr. J. 54:325-328. Feb.1951. 23 So84
- 57033 GRILLOT, G. L'amélioration des blés durs au Maroc. Chambre d'Agr. B. 22(238):5-7,9,11. Feb.1951. 24 C26
- 57034 GRITSENKO, V. V. Agricultural practices which contribute to the promotion of hard wheat into the non-black soil area. (In Russian.) Sovet. Agron. 9:59-67. Jan.1951. 20 So84
Yarovization chiefly.
- 57035 GRUGET, E. A. El maíz de guinea desmejora si no se lo cosecha pronto. Mundo Agr. 2(19):70-71. Dec.1950. 9 M92
Harvesting, yields, and processing.
- 57036 GUARD, S. R. Corn champions aim for 4,000,000,000 bushels. Breeder's Gaz. 116(5):5,13,15. May 1951. 49 B74
- 57037 HANSEL, H. Vernalisation bei negativen temperaturen. Wetter u. Leben 3:44-47. Mar.1951. 340.8 W53
Wheat.
- 57038 HERKLOTS, G. A. C. Chinese rice cultivation. World Crops 2:321-324. Aug.1950. 281.8 W892
- 57039 HESSLER, B. Der Hirseanbau. Deut. Landwirt. Presse 74:102-103. Apr.21,1951. 18 D482
- 57040 HICKS, O. C. Will National Barley Contests stimulate N.B. [New Brunswick] grain production? Marit. Farmer & Coop. Dairyman 56(16):5. May 15,1951. 7 C77
- 57041 HIGINBOTHAM, B. W. Rice farming in the United States. Gard. J. 1:14-15. Jan./Feb.1951. 80 G1635
- 57042 IZCUA, H. La hibridación del maíz en masa al alcance de todos. Chacra 21(246):10. May 1951. 9 C34
- 57043 JENKINS, H. Oats for Missouri; 0-205 shows great promise. Mo. Col. Farmer 43(6):8-9. Mar.1951. 6 M691
- 57044 JOHNSTON, T. H., and SCHLEHUBER, A. M. Harbine, a new combine barley. Okla. Agr. Expt. Sta. B. B-367, 14 p. Apr.1951. 100 Ok4
- 57045 JUGENHEIMER, R. W. Agriculture in Turkey. Crops & Soils 3(8):13-15. June/July 1951. 6 W55
Chiefly on corn hybrids.
- 57046 KALININ, M. S. New corn hybrids. (In Russian.) Selekt. i Semen. 17(12):61-63. Dec.1950. 81.9 Se5
- 57047 KARPER, R. E., QUINBY, J. R., and KRAMER, N. W. New varieties of sorghum. Tex. Agr. Expt. Sta. Prog. Rpt. 1367, 6 p. May 1,1951. 100 T31P
- 57048 KAVANAGH, L. R. The story of hybrid maize. Agr. Gaz. N. S. Wales 62:119-124. (Cont.) Mar.1,1951. 23 N472
- 57049 KENNEDY, N. F. Chemurgy and corn; the corn processor talks to the corn breeder. II. Chemurg. Digest 10(5):16-17. May 1951. 381 N213Na
- 57050 KIESSELBACH, T. A. What I know about corn; fifty years of research have brought hybrids and many cultural practices to increase yields and profits from the king of crops. Nebr. Farmer 93(7):8,28,56;(8):9,24-25. Apr.7-21,1951. 6 N27
- 57051 KOOPMAN, C. The culture of corn for grain. III. (In Dutch.) Gelders Landtbl. 14(3):7. Jan.20,1951. 12 G282
- 57052 KUBLAN, A. Der Mais und seine kultur. Deut. Landwirt. 2:272-274. May 1951. 18 D4822
- 57053 LASSER, E., and AIGNER, H. Ergebnisse der Getreidesortenversuche des Anbaujahres 1949/50 in Kärnten. Kärntner Bauer 101:109-110. Mar.1,1951. 19 K14
- 57054 LEIGHTY, O. How to get 160 bushels [of corn] per acre. Breeder's Gaz. 116(5):5. May 1951. 49 B74
- 57055 LUTZ, J. A., JR. From poverty grass to 100-bu. corn; takes just 10 months in Virginia. Crops & Soils 3(8):21,24. June/July 1951. 6 W55
- 57056 MARIEN, H. Les principaux facteurs de rendement du blé. Bouches du Rhône Agr. 23(1050):6. Apr.30, 1951. 14 B662
- 57057 MARTIN, J. L. Quel maïs peut-on cultiver au Nord de la Loire? Agriculture [Paris] 15:99-100. Apr.1951. 14 Ag823
- 57058 MESA-BERNAL, D. Un importante descubrimiento en Colombia relacionado con el origen del maíz. Agr. Trop. 7(4):35-38. Apr.15,1951. 26 Ag8
- 57059 METEL'SKII, V. V. Result of sowing winter wheat on stubble in the forest-steppe of Kemerovo Region. (In Russian.) In Reverdatto, V. V., ed. Voprosy travopol'noi sistemy zemledeliia v Zapadnoi Sibiri, p.184-190. Novosibirsk, 1950. 33.31 R32
- 57060 MODENA, A. New varieties of wheat for the mountain. (In Italian.) Agr. Tosc. 6:127-130. Apr.1951. 16 Ag827
- 57061 MURRE, M. "Corn culture" guide. (In Dutch.) Zeeuwisch Landtbl. 39(2065):7;(2066):6. Apr.7-14,1951. 12 Z2
- 57062 NELSON, C. E., VIETS, F. G., and MILLER, A. G. The effects of spacing and fertility on three varieties of grain sorghums. U. S. Bur. Plant Indus., Soils & Agr. Engin. Div. Soil Mangt. & Irrig. Res. Rpt. 212, 10 p. Apr.30,1951. 1.965 SAR312
- 57063 NEWCOMER, J. L. Plant your corn to get maximum returns. Md. Farmer 35(4):2,25. Apr.1951. 6 M362
- 57064 OPSOMER, J. E. La culture du riz au Congo Belge. Bruxelles, 1950. 86 p. 59.24 Op6
- 57065 PENDLETON, J. W., and others. Spring oats for Illinois; variety trials 1946-1950; disease hazards 1950. Ill. Agr. Col. Ext. C. 679, 8 p. Apr.1950. 275.29 IL62C
W. M. Bever, O. T. Bonnett, G. E. McKibben, and P. E. Johnson, joint authors.
- 57066 PESOLA, V. A. The fall wheat varieties Varma and Olympia. (In Swedish.) Forsk.- och Försöksresultat 2:55-56. Oct.15,1950. 20 F77
Wheat culture in Finland.
- 57067 PIACCO, R. Sowing activity in the field of rice. (In Italian.) Colt. e Gior. Vinic. Ital. 97:67. Mar.15,1951. 16 C72
- 57068 RICCI, I. Cultivation of corn in the Province of Ravenna. (In Italian.) Romagna Agr. e Zootec. 36(4):1-2. Mar.1951. 16 R66
- 57069 RIZZI, G. Germination of grain and factors influencing it. (In Italian.) Agr. del Polesine 3:3-4. Jan. 1950. 16 Ag8222
- 57070 ROBINSON, H. F., COMSTOCK, R. E., and HARVEY, P. H. Genotypic and phenotypic correlations in corn and their implications in selection. Agron. J. 43: 282-287. June 1951. 4 Am34P
- 57071 ROSSER, D. Lawrence—a new wheat variety. Queensland Agr. J. 72:17-18. Jan.1,1951. 23 Q33
- 57072 ROUSSEAU, M. Quelques résultats et considérations à propos de la culture du maïs grain en Belgique. Rev. de l'Agr. 4:442-450. Apr.1951. 13 R322
English summary.
- 57073 ROUX, J. Jarowisation von winterweizen. Freie Bauer 6(3):7. Jan.21,1951. 18 F88
- 57074 RYZHEI, I. P. Developing a soft winter wheat with a multi-kernel spike. (In Russian.) Selekt. i Semen. 17(12):22-27. Dec.1950. 61.9 Se5
- 57075 SAINT-QUENTIN, M. A propos de la culture du maïs. Rustica 24:319,321. Apr.8,1951. 14 R92
- 57076 SERVISS, G. King size corn crops for North-eastern farms. G. L. F. Week. Serv. Sched. 15(42):1. Apr.1951. 280.28 G113W
Corn hybrids.
- 57077 SHULYNDIN, A. F. Changing heredity of plants by controlled rearing. (In Russian.) Selekt. i Semen. 17(12):5-15. Dec.1950. 61.9 Se5
Experiments in changing winter wheat into spring wheat.
- 57078 STEEL, K. El maíz híbrido, milagro agrícola. Rev. Nac. de Agr. 45(551):13-16. Mar.1951. 9.4 R32
- 57079 STOKES, I. E., and others. Sart [sorghum] developed in six-year test of hundreds of seedlings at four locations. Miss. Farm Res. [Miss.Sta.] 14(3):1,6. Mar. 1951. 100 M69MI
O. H. Coleman, J. F. O'Kelly, B. C. Hurt, R. Kuykendall, and S. P. Crockett, joint authors.
- 57080 STRINGFIELD, G. H., and THATCHER, L. E. Corn row spaces and crop sequences. Agron. J. 43:276-281. Ref. June 1951. 4 Am34P

- 57081 SVIRIDONOV, M. G. Some results of the work in selection and variety testing of grain crops in Tuvinian Autonomous Region. (In Russian.) Tuvinskaf Sel'sko-khoz. Opytn. Sta. Trudy 2:186-196. Ref. 1950. 106 T89
- 57082 TONINI, G. The corn cycle. (In Italian.) Gior. di Agr. 61:142. May 6, 1951. 16 ItIG Italy.
- 57083 TONINI, G. The corn harvesting season. (In Italian.) Romagna Agr. e Zootec. 36(2/3):3. Feb. 1951. 16 R66
- 57084 ZUCCHINI, I. Corn in the United States. (In Italian.) Voce di Padova 40(16):4. Apr. 21, 1951. 16 V85

Fiber Crops

- 57085 ANDRADE, J. L. DE. Ramie. (In Portuguese.) Granja [Lisboa] 10:13-18. Jan./Mar. 1951. 155.5 G76 Culture and analysis.
- 57086 ARZE LOUREIRO, O. Observaciones sobre el cultivo de algodón en Santa Cruz. Campo [La Paz] 5(46): 20, 22-23. Feb. 1951. 9.1 C15
- 57087 BACH, H. Aus der flachs-praxis. Kärntner Bauer 101:82-83. Feb. 15, 1951. 19 K14
- 57088 BACH, H. Zum hanfanbau. Kärntner Bauer 101: 101:208-209. Apr. 15, 1951. 19 K14
- 57089 BARBIERI, R. Increase of Neapolitan hemp culture. (In Italian.) Mezzogiorno Agr. 7(10):1-2. Mar. 11/17, 1951. 16 M57
Chiefly on cultural methods.
- 57090 CRITCHFIELD, H. J. Phormium tenax—New Zealand's native hard fiber. Econ. Bot. 5:172-184. Apr./June 1951. 450 Ec7
- 57091 CROCIONI, A. Preservation of germinating power in hemp seed. (In Italian.) Colt. e Gior. Vinic. Ital. 97:51-53. Feb. 28, 1951. 17 C72
- 57092 DESHPANDE, R. B. Hibiscus sabdariffa L., a promising fibre plant. Sci. & Cult. 16:237-240. Dec. 1950. 475 Sci24
- 57093 FLAX DEVELOPMENT COMMITTEE, MINNEAPOLIS. How to maintain flax yields in dry years. Minneapolis, 1950. 15 p. 73.1 F612HF
- 57094 GODOY JUNIOR, C. Critical period for the cotton plant in the climate of São Paulo. (In Portuguese.) Soc. Rur. Bras. Rev. 31(363):48-49. Feb. 1951. 9.2 B733
- 57095 GUTIERREZ, H. P. El formio textil de porvenir para el Delta Paranaense. Soc. Rur. Argentina. An. 85(2):20-23. Feb. 1951. 9 S01
- 57096 HARLAND, S. C. El origen del algodón Tangüls. Algodón 12:63-66. Apr. 1951. 286.82 AL3
- 57097 JOYNER, J. F., and GANGSTAD, E. O. Sansevieria, lengua de vaca or bowstring hemp. Gard. J. 1:20-21. Jan./Feb. 1951. 80 G1635
- 57098 KEATING, F. E. Cotton variety test, Big Spring Field Station, 1948-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1372,3 p. May 22, 1951. 100 T31P
- 57099 RODRIGUEZ GONZALEZ, H. El cultivo del algodón en Tenerife. Siembra [Madrid] 7(2):9-11. Feb. 1951. 15 S11
- 57100 SACHS, J. E. Union's jute problem near solution; State aid needed to increase production of stokroos fibre in Lowveld. Farmer's Wk. [Bloemfontein] 81:15. May 2, 1951. 24 F225
- 57101 SAN MARTIN, L. Plan para la reactivación de la zona central del Chaco y el fomento algodonnero. Gac. Algodon. 27(324):25, 27-28. (Cont.) Jan. 31, 1951. 72.8 G11
- 57102 STEWART, N. Hungary introduces cotton. World Crops 3:137-138. Apr. 1951. 281.8 W892
- 57103 THOMAS, W. I., HOLEKAMP, E. R., and FROST, K. R. Cotton planting. Ariz. Agr. Expt. Sta. B. 233, 17 p. Mar. 1951. 100 Ar4

Forage Crops and Grasses

- 57104 AAMODT, O. S. Alfalfa in Argentina. Alfalfa Impr. Conf. Rpt. 12:17. 1950. 1.9 P691Rep
- 57105 AAMODT, O. S. Summary reports, progress and objectives in alfalfa investigations in the United States. Alfalfa Impr. Conf. Rpt. 12:5-8. 1950. 1.9 P691Rep
- 57106 AGEEV, V. I. Perennial legumes and grasses in the irrigated agriculture of the Volga Area. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'fajstva. Travoseianie i semenovodstvo mnogoletnikh trav, p.475-477. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
Chiefly on alfalfa culture.
- 57107 ALBEE, L. R. Restoring nature's cover. Dakota Farmer 71(9):8. May 5, 1951. 6 D14
Grass seedings in North Dakota.

- 57108 AMES, R. The Green Acres Program in New York State. Rur. New-Yorker 101:347,353. May 19, 1951. 6 R88
- 57109 ANDRUSEVICH, K. I. Grasses and legumes and grass-legume mixtures in the northern forest-steppe of Western Siberia. (In Russian.) In Reverdatto, V. V., ed. Voprosy travopol'noi sistemy zemledelija v Zapadnoi Sibiri, p.191-199. Novosibirsk, 1950. 33.31 R32
- 57110 ARAUJO, A. A. DE. Planting Lolium perenne. (In Portuguese.) Lav. Arroz. 5(51):39-40. Mar. 1951. 59.8 L39
- 57111 ARAUJO E SILVA, O. B. Information on alfalfa. (In Portuguese.) Soc. Rur. Bras. Rev. 31(364):56. Mar. 1951. 9.2 B733
Culture.
- 57112 AREF'EVA, M. S. Results of work in seed production of perennial legumes and grasses. (In Russian.) Reverdatto, V. V., ed. Voprosy travopol'noi sistemy zemledelija v Zapadnoi Sibiri, p.57-62. Novosibirsk, 1950. 33.31 R32
- 57113 ARMSTRONG, J. M. Self-sterility studies in alfalfa. Alfalfa Impr. Conf. Rpt. 12:65. 1950. 1.9 P691Rep
- 57114 BAİKO, V. P. Greater attention to seed production of grasses and introduction and adaptation of forage crop rotations. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'fajstva. Travoseianie i semenovodstvo mnogoletnikh trav, p.58-59. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57115 BAİKO, V. P., and TIKHONOV, M. S. Measures for increasing yields of grass and legume seeds in the central Chernozem Area. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'fajstva. Travoseianie i semenovodstvo mnogoletnikh trav, p.509-513. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57116 BARRAU, J. Une plante fourragère précieuse: le teosinthe. Rev. Agr. de la Nouvelle-Calédonie (n.s.) 1(11/12):10. Nov./Dec. 1950. 25 R322
- 57117 BAYLOR, J. E. The 1951 New Jersey Green Pasture-Forage Program. N. J. Agr. Col. Ext. L. 49, 4 p. Mar. 1951. 275.29 N46L
- 57118 BELONozHKO, I. I., and GOLOVNEV, I. A. Significance of grass mixtures of legumes and cereal perennial grasses in field grass crop rotation. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'fajstva. Travoseianie i semenovodstvo mnogoletnikh trav, p.182-186. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57119 BITUKOV, N. D. Situation of grass and legume culture and measures for providing collective farms with their own seeds for the adaptation of field and forage crop rotations in Ukrainian SSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'fajstva. Travoseianie i semenovodstvo mnogoletnikh trav, p.35-43. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57120 BOEHNE, G. Die bäuerliche weide im mittellgebirge. Deut. Landwirt. 2:271-272. May 1951. 18 D4822
- 57121 BOSHKOV, D. G. Grass and legume mixtures in the field crop rotations. (In Russian.) In Reverdatto, V. V., ed. Voprosy travopol'noi sistemy zemledelija v Zapadnoi Sibiri, p.95-107. Novosibirsk, 1950. 33.31 R32
- 57122 BOULET, L. J. Vos nouveaux semis herbagers Terre de Chez Nous 23(9):13, 15. Apr. 25, 1951. 7 T27
Canada.
- 57123 BOWERS, A. H. Does your pasture pay or serve animals as a bovine gym? Natl. Live Stock Prod. 29(8):8, 15. May 1951. 280.38 N21
- 57124 BREDEMEIER, L. F. Key to grass-carpeted sandhills is good management. Nebr. Farmer 93(7):9, 57. Apr. 7, 1951. 6 N27
Range conservation and management.
- 57125 BROWN, B. A. Alfalfa—queen of forage crops. Rur. New-Yorker 101:346. May 19, 1951. 6 R88
- 57126 BRÜGGEMANN, H. W. machen eine weideertragsberechnung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:733. May 17, 1951. 18 L2346
- 57127 BUDZHIAHVILLI, M. D. Measures for increasing yields of grass and legume seeds in Georgian SSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'fajstva. Travoseianie i semenovodstvo mnogoletnikh trav, p.519. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57128 BURDICK, A. B. Have you heard about Tift Sudan? Ark. Farmer 53(5):12. May 1951. 6 Ar42
- 57129 BUTENKO, G. I. Sainfoin culture under conditions of the northern steppe of Ukrainian SSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoz'fajstva. Travoseianie i semenovodstvo mnogoletnikh trav, p.482-484. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32

- 57130 CANADA. DEPT. OF AGRICULTURE. Ladino clover. Canada. Dept. Agr. C. 189,4 p. July 1950. 7 C16C
- 57131 CANADA. DEPT. OF AGRICULTURE. Millet. Canada. Dept. Agr. P. 858,4 p. Mar. 1951. 7 C16Pu
- 57132 CAPUTA, J., and RAPIN, J. Influence de la provenance des semences sur le développement et le rendement de la luzerne et de quelques graminées fourragères. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 7:4-6. Jan. 1951. 17 J82A
- 57133 CAROCCI BUZI, V. Improvement of the mountain region. I-II. (In Italian.) Agr. Ital. 2:62-64, 92-95. Feb. 1-15, 1951. 16 Ag822
Pasture management.
- 57134 CARVAJALINO JACOME, L. J. Pasto orchero, red top y meadow fescue. Rev. Nac. de Agr. 45(550):13-16. Feb. 1951. 9.4 R32
Dactylis glomerata, Agrostis alba, and Festuca elatior.
- 57135 DAULBAEV, A. D. To change over from seeding pure alfalfa to seeding legume-grass mixtures on the collective farms of Kazakhstan. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.92-95. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57136 DEMIDENKO, B. G. Wild-growing grasses—important source in [grass-legume] seed selection and production. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.68-71. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57137 DEMIDENKO, V. G. Measures for increasing productivity of perennial grass and legume seeds under steppe conditions of Ukrainian SSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.479-482. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57138 DERKACH, V. A. Situation of grass and seed planting, components of grass mixture and cultivation of perennial grasses and legumes in districts of Siberia. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.56-58. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57139 DILLON, M. Grass in the South. Agr. Ireland 8:79,81. Apr. 1951. 10.5 Ag8
Pasture management.
- 57140 DORAN, C. W. Guide for reseeding summer rangelands on Colorado's western slope. U. S. Forest Serv. Rocky Mountain Forest & Range Expt. Sta. Paper 6, 18 p. Apr. 1951. 1.9622 R25t2
- 57141 DOVGAL', N. F. Measures for increasing yields of grass and legume seeds on collective farms in Krasnodar Territory. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.505-506. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57142 DRIGGERS, J. C. U of F professor declares experiments prove Florida soil will produce feed. Fla. Poultry & Dairy J. 17(6):4,8. June 1951. 47.8 F66
Green feed for poultry.
- 57143 DUBININ, M. A. Situation of grass and legume culture and seed production on collective farms in Ivanovo Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.52-55. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57144 DUCK, R. W. Good pasture cuts milk production costs. Rur. New-Yorker 101:307,324. May 5, 1951. 6 R88
- 57145 DUNTON, H. L. Developing a pasture program in Virginia. Assoc. Amer. Fert. Control Off. Off. P. 4:49-51. Nov. 1950. 57.9 As7
- 57146 ELSUKOV, M. P. Use of combination of agricultural measures in seed production of clover and its components [in grass mixture]. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.335-345. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57147 ENGE, G. Experiments with timothy in North Kalmar Province 1940-1948. (In Swedish.) Kalmar Läns Norra Hushållssk. Kvrtskr. 10:144-151. 1950. 11 K12
- 57148 EVSEEV, V. I. On increasing the seed productivity of legumes and grasses in Chkalov Region. (In Russian.) U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.468-471. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57149 FELICIANI, A. Experiments on mountain pastures in the Province of Sondrio. (In Italian.) Rass. Econ. della Prov. di Sondrio 4(3):19-21. Mar. 1951. 287 So5
- 57150 FILATOV, F. I. Industrial experiment of alfalfa seed production. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.436-442. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57151 GESSAT, R. Rapport général sur les cours de perfectionnement pour les conseillers en matière d'exploitation des herbages. France. Min. de l'Agr. B. Tech. d'Inform. 1951:227-242. Mar. 1951. 14 F844B
Denmark.
- 57152 GIRFANOV, V. K. Distribution of perennial legumes and grasses in Bashkir ASSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.246-249. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57153 GIRFANOV, V. K. In regard to agricultural practices for local clovers grown for seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.393-397. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57154 GISCARD, R. Quelques mots sur les fourrages l'été: napier-eragrostis-kikuyu-chloris. Inform. Marocaine 540:1,4. May 19, 1951. 281.8 In3
- 57155 GLADKII, M. F. Increasing yields of alfalfa seeds by utilizing the first and second crops for seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.463-467. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57156 GOLUBNICHII, F. N. To get rid of the lag in the utilization of forage and meadow-pasture crop rotations. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.76-80. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57157 GORBOVITSKII, S. E. Prospects for developing grass and legume culture on collective farms in Stavropol Territory. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.506-508. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57158 GRAUMANN, H. O. Performance of "C" clones and their polycross progeny. Alfalfa Impr. Conf. Rpt. 12:57-58. 1950. 1.9 P691Rep
Alfalfa.
- 57159 GREKOV, M. A. Components of legume and grass mixtures for field crop rotations in the principal zone of [sugar] beet culture. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.239-246. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57160 GRITSSENKO, T. G. Agricultural practices for alfalfa grown for seed and perennial grasses in the irrigated cotton zone of Middle Asia. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.442-451. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57161 GRUNDER, M. S. Orchard grass. Utah Farmer 71:472-473. June 7, 1951. 6 D45
- 57162 GUALBA, C. La aliaga o tojo. Cult. Mod. 34:87-88. Mar. 1951. 15 C89
- 57163 GUBIN, A. F. Red clover pollination by honeybees. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.349-353. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57164 GVOZDEV, N. I. On sequence of seeding grass-legume mixture in the field crop rotation. (In Russian.) Sovet. Agron. 9:78-81. Jan. 1951. 20 So84
- 57165 HAGEN, C. At last! Spanish sweetclover seed here! Oreg. Farmer 74:237,252-253. Apr. 5, 1951. 6 Or32
- 57166 HANSON, C. H. Alfalfa breeding procedure under investigation in North Carolina. Alfalfa Impr. Conf. Rpt. 12:66-67. 1950. 1.9 P691Rep
- 57167 HASSELL, O. L. The effect of pasture management on white clover. Queensland Agr. J. 72:77-80. Feb. 1, 1951. 23 Q33
- 57168 HAYNES, J. L., and THATCHER, L. E. Success or failure with band seeded legumes? Ohio Farm & Home Res. [Ohio Sta.] 36(268):3-5. Jan./Feb. 1951. 100 Oh3S
- 57169 HEDIN, L. Une politique d'augmentation de la productivité des prairies s'impose. Terre Nouvelle 94:7-8. Apr. 7, 1951. 281.8 T272
- 57170 HEINRICHS, D. H. Breeding for creeping root-ed alfalfa. Alfalfa Impr. Conf. Rpt. 12:59-61. 1950. 1.9 P691Rep

- 57171 HENDERSON, R. G. Report of the committee on screening of alfalfa breeding stock. *Alfalfa Impr. Conf. Rpt.* 12:27-30. 1950. 1.9 P691Rep
- 57172 HODGSON, H. J. Alfalfa investigations in Alaska. *Alfalfa Impr. Conf. Rpt.* 12:68. 1950. 1.9 P691Rep
- 57173 HODSON, E. A. Year around pastures for Arkansas. *Ark. Farmer* 53(5):6-7,13. May 1951. 6 Ar42
- 57174 HORN, D. G. Grünlandertragssteigerung durch weidetagebuchführung. *Landwirtbl. Weser-Ems* 98:388-389. May 3, 1951. 18 L2345
- 57175 IAKUSENKO, A. F. How to obtain 8 centners of alfalfa seed per hectare. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.95-96. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57176 IAKUSHKIN, I. V. To speed up, the production of perennial grass and legume seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.103-105. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57177 IOFFE, R. IA. Perennial grass-legume mixtures for the best fiber crop rotations. (In Russian.) *Sovet. Agron.* 9:33-43. Jan. 1951. 20 So84
- 57178 IOFFE, R. K. From the practices of summer planting of alfalfa in Crimea. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.99-100. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57179 IOFFE, R. K. Peculiarities of post-harvest ripening and germination of sainfoin seeds. (In Russian.) *Selek. i Semen.* 17(12):47-49. Dec. 1950. 61.9 Se5
- 57180 IOFFE, R. K. Summer plantings of alfalfa for seed in Crimean Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.487-488. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57181 IVANOV, A. S. Situation of grass and legume culture and organization of grass and legume seed production in Saratov Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.44-46. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57182 JACQUES-FELIX, H. Note sur l'introduction fortuite du *Kochia indica* Wight, Chenopodiaceae fourragère indienne, en Egypte. *Agron. Trop.* 6:188-190. Mar./Apr. 1951. 26 Ag86
- 57183 JORIS. Gräsermischungen für grünlandansaaten. *Hannoversche Land- u. Forstwirt. Ztg.* 103:1036. Nov. 18, 1950. 18 H194
- 57184 KALAITAN, G. S. Alfalfa seed production in the forest-steppe of Kemerovo Region. (In Russian.) In Reverdatto, V. V., ed. *Voprosy travopol'noi sistemy zemledeliia v Zapadnoi Sibiri*, p.33-56. Novosibirsk, 1950. 33.31 R32
- 57185 KALUGIN, M. I. Seed production of perennial grasses and legumes and composition of legume-grass mixtures in Kulunda Steppe. (In Russian.) In Reverdatto, V. V., ed. *Voprosy travopol'noi sistemy zemledeliia v Zapadnoi Sibiri* p.16-32. Novosibirsk, 1950. 33.31 R32
- 57186 KALUGIN, M. I. Some problems of perennial grass and legume culture and seed production in districts of Kulundinskaya Steppe. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.520-525. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57187 KANDALOV, M. N. On measures for increasing seed yields of perennial grasses and legumes on collective farms in Kirghiz SSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.541-543. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57188 KARASHCHUK, I. M. Barnul'skaiia 17 alfalfa. (In Russian.) *Selek. i Semen.* 17(12):54-57. Dec. 1950. 61.9 Se5
- 57189 KARUNIN, B. A. Organization of selected [grass and legume] seed production. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.260-331. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57190 KASPIROV, A. I. Increasing yields of perennial legumes and grasses in the grass-field crop rotations. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.401-406. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57191 KAUFFMANN, A. Der Futterpflanzensamenbau; seine privat- und volkswirtschaftliche bedeutung. *Pflug* 4: 59-60. Mar. 1951. 19 P48
- 57192 KENNAN, T. C. D. Preliminary report on a comparison of several heavy yielding perennial grasses for the production of ensilage. *Rhodesia Agr. J.* 47:531-543. Nov./Dec. 1950. 24 R34
- 57193 KERR, A. G. Lucerne growing in Otago and Southland. *New Zeal. J. Agr.* 82:253,255-256. Mar. 1951. 23 N48J
- 57194 KHAIRULLIN, SH. SH., and KAPITONOVA, A. I. Cultivation of perennial grasses and legumes under conditions of Transbaikalia. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.526-528. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57195 KHAIRULLIN, SH. SH., and KAPITONOVA, A. I. From the practices of grass-legume culture in Transbaikalia. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.71-74. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57196 KHORASHAIILOV, N. G. Increasing the seed productivity of perennial legumes and grasses. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.385-389. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57197 KIEL, W. Dauergrünland und feldfutterbau; neuzeitlich bewirtschaftet. Berlin, Deutscher Bauernverlag, 1950. 144 p. (Schriftenreihe Deutscher Bauernverlag Bd. 29) 60 K54
- 57198 KISING, W. Der anbau der wiesenrispe tut not! *Bauern Ztg.* 4(11):4. Mar. 16, 1951. 18 B324
- Poa pratensis.
- 57199 KLIMENKO, G. A. On increasing the productivity of grass and legume seeds in Primorski Krai. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.407-410. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Clover chiefly.
- 57200 KÖNIG, G. Was muss bei der festlegung von aussaatmengen bei futterpflanzen beachtet werden? *Saatgut-Wirt.* 3:8-9. (To be cont.) Jan. 1951. 61.8 Sa1
- 57201 KONSTANTINOVA, A. M. Improving the natural characteristics of perennial legumes and grasses. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.477-479. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57202 KRIVOSHEIN, P. A. Collective farms of Udmurt ASSR are rehabilitating the commercial seed production of old local clovers. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.85-86. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57203 KUCHUMOV, P. S. To increase the role and responsibility of directors and agronomists of machine-tractor stations in grass-legume seed production. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.66-68. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57204 KURMANOV, K. K. Testing species of grass and legume mixture components by zones in Kazakhstan. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.249-250. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57205 LAINE, T. A new forage plant, which is being tested at the Beet Research Station. (In Swedish.) *Forsk.- och Försöksresultat* 2:51. Oct. 15, 1950. 20 F77
- Phalaris tuberosa stenoptera*.
- 57206 LANG, J. Einiges über klee grasbau in Niederösterreich. *Pflug* 4:38. Feb. 1951. 19 P48
- 57207 LARA, L. F. S. Tropical kudzu (*Pueraria phaseoloides*, Roxb.). (In Portuguese.) *Agros [Lisboa]* 34: 82-84. Jan./Feb. 1951. 15.5 Ag82
- 57208 LARIN, I. V. To study and introduce for cultivation the most valuable plants and natural populations from the wild forage flora of U.S.S.R. (In Russian.) *Selek. i Semen.* 17(12):38-44. Dec. 1950. 61.9 Se5
- 57209 LEHMANN, U. Ist grassamenanbau wirtschaftlich? *Deut. Landwirt. Presse* 74:75. (To be cont.) Mar. 17, 1951. 18 D482
- 57210 LESPERANCE, R. Que faut-il savoir des diverses catégories de pâturages? *Terre de Chez Nous* 23(9):6-7. Apr. 25, 1951. 7 T27
- Canada.
- 57211 LIGON, L. L. Cowpeas for Oklahoma. *Okl. Agr. Expt. Sta. B. B-371*, 15 p. May 1951. 100 Ok4
- Varieties.

- 57212 LING, A. W. Permanent grass has its place. *Inst. Corn & Agr. Merchants. J.* 3:22-24. Spring 1951. 10 In7
- Grassland improvement in Great Britain.
- 57213 LIPPMANN, K. Überlegungen zur wiesenpflege. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:657,658. May 3, 1951. 18 L2346
- 57214 LITVINENKO, F. P. Production of high yields of seeds of clover, alfalfa, sainfoin and their associated grasses in Kiev Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.496-498. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57215 LOBANOV, P. P. Fundamental problems of adapting grass-field crop rotations and seed production of perennial legumes and grasses. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.13-23. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57216 LORCH, M. Mehrerzeugung im gründland. *Tierzüchter* 3:155-157. Mar. 20, 1951. 49 T445
- 57217 LOUSTALOT, A. J., and CERNUDA, C. El rendimiento del huzd. *Hacienda* 46(6):82,84. June 1951. 6 H11
- Puerto Rico.
- 57218 LOWERY, J. C. Shelby [County, Ala.] started pasture building in 1924. *Prog. Farmer, Ga.-Ala.-Fla.* Ed. 66(6):15,105. June 1951. 6 P945G
- 57219 MCCLYMONDS, A. R. Pastures need rest. *Dakota Farmer* 71(9):32-33. May 5, 1951. 6 D14
- 57220 MCMAHON, H. The pre-selection of locations in which alfalfa seed can be profitably produced in northern areas of western Canada. *Alfalfa Impr. Conf. Rpt.* 12:36-37. 1950. 1.9 P891Rep
- 57221 MAKLASHIN, I. P. On increasing the seed production of clover, timothy and other perennial legumes and grasses. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.412. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57222 MANDRYGIN, V. N. On measures for increasing the yields of alfalfa seed in Southern-Kazakhstan Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.544-545. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57223 MANITOBA. DEPT. OF AGRICULTURE AND IMMIGRATION. Balance Manitoba farming with forage crops. *Manitoba. Dept. Agr. & Immigr. P.* 242,16 p. Apr. 1951. 275.29 M313
- 57224 MARTIN, J. M. Blue lupine, improver of the soil. *Ala. Farmer* 30(5):4,14-15. Feb. 1951. 276.8 AL1
- 57225 MATSIUK, L. S. Grass and legume mixtures in Moldavian SSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.490-493. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57226 MENAGER, P. Prairies de montagne. *Potasse* 25:72-73. Apr. 1951. 57.8 P84
- 57227 MENDES, C. T. Small alfalfa fields. (In Portuguese.) *Seleç. Agr.* 6(59):33-35. Mar. 1951. 9.2 Se4
- Culture.
- 57228 METEL'SKIĬ, V. V. Grass-field crop rotations and grass and legume culture in the forest-steppe of Kemerovo Region. (In Russian.) In Reverdatto, V. V., ed. *Voprosy travopol'noi sistemy zemledeliia v Zapadnoi Sibiri*, p.5-15. Novosibirsk, 1950. 33.31 R32
- 57229 MILIAVSKIĬ, G. O. On dates of harvesting sainfoin for seeds and autumn planting of this crop. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.513-516. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57230 MINOR, W. A. The new grasslands program. *Agr. Rev.* 26(6):2. Mar. 15, 1951. 2 N81Ag
- 57231 MOE, G. G. Rhizoma, the new alfalfa. *Country Guide* 70(5):13,59. May 1951. 7 G76
- 57232 MORAN, C. H. Pasture improvement. *Maine. Agr. Expt. Sta. B.* 488,18 p. Feb. 1951. 100 M28S
- 57233 MUEGLER, W. F., and BLAISDELL, J. P. Replacing Wyethia with desirable forage species. *J. Range Mangt.* 4:143-150. May 1951. 60.18 J82
- 57234 MURPHY, R. P. Brief summary of discussion on plant breeding during the Twelfth Alfalfa Improvement Conference. *Alfalfa Impr. Conf. Rpt.* 12:69-71. 1950. 1.9 P891Rep
- 57235 MUSTIKO, A. S. Supplementary artificial pollination of alfalfa. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.455-458. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57236 MYERS, W. M. Grasslands in the emergency. *Agr. Situation* 35(4):9-11. Apr. 1951. 1 Ec7Ag
- 57237 MYERS, W. M. Planning needed to get most from farm grassland program. *Agr. Situation* 35(5):9-10. May 1951. 1 Ec7Ag
- 57238 NELSON, L. M. Ag leaders and irrigation turn dust bowl into clover patch. *Better Farming Methods* 23(6):34-35. June 1951. 58.8 B46
- Jefferson County, Oregon.
- 57239 NES, G. VAN. Toward more artificial pastures on mixed sandy farms. I-II. (In Dutch.) *Zeeuwisch Landtbl.* 39(2060):7;(2061):8. Mar. 3-10, 1951. 12 Z2
- 57240 NIKITIN, N. N. From the practices in grass and legume planting on Voroshilov Collective Farm in Chuvash ASSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.59-63. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57241 NIXON, W. M. Watch blue Panicum—it's going places. *Prog. Farmer, Tex. Ed.* 66(5):16. May 1951. 6 T311
- 57242 OBYDENOV, N. P. Varieties and seed production of perennial legumes and grasses in Kulbyshev Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.471-473. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57243 ORTH, A. Kurztagsweide die rationellste weidemethode. *Neue Mitt. f. die Landwirt.* 6:280-282. May 5, 1951. 18 N39
- Germany.
- 57244 PERSI, R. Substitution of the biennial rotation; the alfalfa pasture in Lower Eastern Brianza. (In Italian.) *Campagna* 50:49-50. Mar. 15, 1951. 16 C152
- 57245 PISENKOV, A. E. Collective farms of Rostov Region are struggling for a speedy rise in cultivation and seed production of perennial grasses and legumes. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.102-103. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57246 PLATONOV, F. I. Developing the field of perennial legumes and grasses under conditions of the Far East [U.S.S.R.]. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.199-202. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Culture mainly.
- 57247 PLIUSHCH, A. V. Practices for obtaining high yields of clover seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.91-92. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57248 PLOTNIKOV, N. A. Varietal distribution of perennial legumes and grasses. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.232-239. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57249 PONOMARENKO, I. L. To introduce the practices of leaders in perennial grass and legume seed production into extensive use on collective farms. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.484-487. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57250 POPOV, V. M. Old local clover varieties, their study and speedy increase. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.250-260. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57251 POPOV, V. M. To discover quickly and grow seeds of old local perennial grass and legume varieties. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.83-85. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57252 POWELL, S. C. Pasture competition, Mornington Peninsula. *Victoria. Dept. Agr. J.* 49:117-121. Mar. 1951. 23 V66J
- 57253 PRATT, A. D., and HAYNES, J. L. What about Kentucky 31 fescue for dairy pasture? *Ohio Farmer* 207(10):14-15. May 19, 1951. 6 Oh3

- 57254 PREVITALI, A. Permanent pastures. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:38. Feb.15,1951. 16 C72
- 57255 PURSER, R. Boosting the yield of red clover. *Family Herald & Wk. Star* 82(20):3,15. May 17,1951. 7 F21
- 57256 RABINOVICH, N. M. To raise the agricultural practices for perennial grasses and legumes on collective farms [in Dnepropetrovsk Region] to the level of the leaders. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.493-495. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57257 RABINOVICH, V. M. System of agrotechnical measures for the production of high yields of alfalfa, sainfoin and other grass seeds in Ukrainian SSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.429-436. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57258 RECHENTHIN, C. A. Range grasses in the Southwest; eastern gamagrass, Texas cupgrass, Pan American balsamgrass, smooth cordgrass. *Cattleman* 38:110-112. June 1951. 49 C29
- 57259 RICCI, A. The planting of alfalfa. (In Italian.) *Romagna Agr. e Zootec.* 36(2/3):5. Feb.1951. 16 R66
- 57260 RICHARDS, K. L. A new fodder crop for Cyprus. *Countryman [Nicosia]* 5(4):5-6. Apr.1951. 25 C83
- Kale
- 57261 RICHARDSON, E. C. We need our grasslands. *Mich. Farmer* 215:485. June 2,1951. 6 M58
- Michigan's Grass Day programs.
- 57262 RIEWE, M. E., and TURNER, W. F. Performance of legumes in the Gulf Coast prairie. *Seed World* 68(9):12,14. May 4,1951. 61.8 Se52
- 57263 RODIONOV, V. A. Agrotechnical measures for developing a full-value field of perennial legumes and grasses in the field crop rotations of the non-black soil area. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.366-374. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57264 SANDERS, D. Wirtschaftliche ausnutzung der weide. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:697-698. May 10,1951. 18 L2346
- 57265 SAVCHENIUK, D. M. On pollination of clover by honeybees. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.397-400. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57266 SCHIEBLICH, J. Mobilisierung der leistungserreserven unserer futterpflanzen durch anbau und zuechtung. *Deut. Landwirt.* 2:263-266. May 1951. 18 D4822
- Russian Zone of Germany.
- 57267 SCHINDLMAYER, A. Weidenverbesserung in hohlenlagen. *Auf der Alpe* 1951:18-20. Mar.1951. 18 Au3
- 57268 SCHOLL, J. M. Notes on New Zealand pastures and forages. *Forage Notes* 6:13-14. Feb.1951. 60.8 F74
- 57269 SEMENOV, A. L. Red clover in White Russian SSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.380-385. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57270 SERGEEV, P. A. On increasing the resistance [to unfavorable conditions] of red clover in the field crop rotations. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.353-359. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Chiefly on cultural measures.
- 57271 SHAIN, S. S. Distribution of perennial legume and grass mixtures and their seeding norms for field crop rotations in republics, territories and regions of U. S. S. R. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.221-232. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57272 SHAIN, S. S. For a speedy introduction of new grasses and legumes into [grass-legume] mixtures on collective farms. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.97-99. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57273 SHAIN, S. S. Increasing stability and productivity of perennial leguminous plants by the method of utilizing their hard seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.389-393. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57274 SINCLAIR, A. W. Ladino invades the bluegrass country [Virginia]. *South. Planter* 112(6):6. June 1951. 6 So89
- 57275 SLIJCKEN, A. VAN, and VYNCKE, A. L'établissement des prairies. *Rev. de l'Agr.* 4:301-310. Mar. 1951. 13 R322
- English summary.
- 57276 SLIJCKEN, A. VAN. Le trèfle rouge; choix de variétés. *Rev. de l'Agr.* 4:415-425. Apr.1951. 13 R322
- English summary.
- 57277 SMIRENSKIĬ, N. V. Increasing the yields of clover. (In Russian.) *Selekt. i Semen.* 17(12):44-47. Dec. 1950. 61.9 Se5
- 57278 SMITH, C. S. 157 per cent. farming. *Farmers Wk.* [London] 34(20):49,51. May 18,1951. 10 F2226
- Grass recording system in grassland management.
- 57279 SMITH, L. H. From grass to milk. *North. Farms News* 13(3):5. Mar.1951. 280.28 N815
- Pasture management.
- 57280 SOKOL'SKAIA, B. P. On mowing clover for the sake of increasing yields of seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.345-348. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57281 SOROKIN, V. D. Brief results of work on breeding and seed production of red clover. (In Russian.) In Reverdatto, V. V., ed. *Voprosy travopol'noi sistemy zemledeliia v Zapadnoi Sibiri*, p.74-94. Novosibirsk, 1950. 33.31 R32
- 57282 SOUTHCOMBE, P. The grass under our feet. *Estate Mag.* 51:186-188. May 1951. 10 Es8
- Chiefly grass varieties in England.
- 57283 SPAIN. SERVICIO DE MEJORA DE LA EXPLOTACIÓN LECHERA. Cultivo de la remolacha forrajera. *Spain. Serv. de Mejora de la Explotación Lech. C.* 2.4 p. Aug.1950. 15 Sp17
- 57284 SPAIN. SERVICIO DE MEJORA DE LA EXPLOTACIÓN LECHERA. Pastoreo intensivo de los prados. *Spain. Serv. de Mejora de la Explotación Lech. C.* 1.7 p. Aug.1950. 15 Sp17
- 57285 SPECIALE, J. Our livestock resources can be doubled. (In Italian.) *Lotte Contadine* 2(3):5. Feb.20, 1951. 16 L91
- Pasture management.
- 57286 SPIES, P. Eindrücke von einem grünlandlehrgang in Dänemark. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:37-38. Apr.1951. 18 N11
- 57287 STABLER, S. P. Grassland program in a defense economy. *Md. Farmer* 35(4):4. Apr.1951. 6 M362
- 57288 STABLER, S. P. Help your pasture do its job. *Md. Farmer* 35(3):4,29. Mar.1951. 6 M362
- 57289 STAHR, A. Grasses of the Northeast. I. Legumes. *Org. Farmer* 2(9):30-34. Apr.1951. 57.8 Or3
- 57290 STAPLEDON, SIR R. G., and WHEELER, D. January 16 on the Wiltshire Downs. *Gt. Brit. Min. Agr. Agriculture* 58:1-4. Apr.1951. 10 G79J
- Species of grasses and herbs for the difficult grazing period, January to March.
- 57291 STAPLEDON, SIR R. G. Revolution in grass [Great Britain]. *Gt. Brit. Min. Agr. Agriculture* 58:77-81. May 1951. 10 G79J
- 57292 STEPANOVA, Z. I. Measures for increasing the seed productivity of perennial legumes and grasses. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.375-380. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Chiefly on clover culture.
- 57293 STEVENSON, T. M. Summary report of progress and objectives in alfalfa improvement work now in progress in Canada. *Alfalfa Impr. Conf. Rpt.* 12:9-13. 1950. 1.9 P691Rep
- 57294 SUSLOV, A. F. Summer and autumn seeding of grasses for seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.359-365. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57295 SYNZYNS, I. Z. Practices of leaders—for all collective farms in Krasnoyarsk Territory. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.86-87. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Grass and legume culture.
- 57296 TARKOVSKIĬ, M. I. On promoting alfalfa into the non-black soil zone. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.532-535. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32

- 57297 TAYLOR, C. R. Efficient use of pasture on Rotorua farm. New Zeal. J. Agr. 82:270-272. Mar.1951. 23 N48J
- 57298 TERPSTRA, A. Working toward a thick grass sod. (In Dutch.) Landbode 5(18):2. May 5,1951. 12 L234
- 57299 THOMAS, M. T. Some aspects of grassland management and production. Manx J. Agr. (n.s.)5(3): 26-27,30-33. Jan.1951. 10 M312
- In the Isle of Man.
- 57300 THOMPSON, W. R. Good pasture needs good management. Prog. Farmer, Miss.-Ark.-La. Ed. 66(6): 18. June 1951. 6 So81
- 57301 THOMPSON, W. R. Pasture—a five-way crop. Prog. Farmer, Miss.-Ark.-La. Ed. 66(5):15. May 1951. 6 So81
- Management.
- 57302 TIMOFEEV, A. V. Measures for increasing the productivity of grass and legume seeds on the collective farms in Crimean Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.488-490. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57303 TIMOSHENKO, KH. S. Practices of leaders in grass and legume culture on the collective farms of Poltava Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.88-91. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57304 TINDALL, C. What can you expect of improved pastures? Mo. Rur. 92(9):6,27-28. May 12,1951. 6 R8891
- 57305 TREGUBENKO, M. I. A. Methods for increasing the cold resistance of alfalfa. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.458-462. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57306 TROFIMOVA, A. N. Introduction of valuable wild-growing grasses for cultivation. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.413-414. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57307 TSVETKOV, A. N. Toward a more daring promotion of alfalfa into the forest-steppe districts. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.535-536. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57308 TURNER, D. M. The identification of the grasses. Inst. Corn & Agr. Merchants. J. 3:14-17. (Cont.) Spring 1951. 10 In7
- 57309 TURTSEVA, V. V. Measures for increasing yields of grass and legume seeds in Azerbaidzhan SSR. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.516-518. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57310 UKRAINSKIĬ, V. T. Assortment of perennial grass-legume mixtures for the crop rotations in the steppe zone. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.191-195. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57311 U. S. S. R. MINISTERSTVO SEL'SKOGO KHOZIAISTVA. Travoseiānie i semenovodstvo mnogoletnikh trav. Materialy Vsesoiuznogo soveshchaniia po osvoineniiu travopol'nykh sevooborotov, travoseiānifu i semenovodstvu mnogoletnikh trav (7-14 fevralia 1949 g.) [Cultivation and seed production of perennial grasses and legumes. Proceedings of the All-Union conference on the Adaptation of Grass-Field Crop Rotations and Seed production of Perennial Legumes and Grasses (Feb. 7-14, 1949)]. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 653 p. 60.19 Un32
- 57312 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Report of the Twelfth Alfalfa Improvement Conference, July 31 - August 2, 1950, Lethbridge, Alberta, Canada, reported by O. S. Aamodt. Washington, 1950? 78 p. 1.9 P691Rep
- 57313 VANĬUKOV, N. F. Results of work with alfalfa under production conditions of Baraba forest-steppe. (In Russian.) In Reverdatto, V. V., ed. Voprosy travopol'noi sistemy zemledeliia v Zapadnoi Sibiri, p.63-73. Novosibirsk, 1950. 33.31 R32
- 57314 VARLAMOV, A. A. Grass and legume culture on collective farms in Rostov Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.500-502. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57315 VARVARIN, B. G. Pastures and meadows of Tuva Autonomous Region. (In Russian.) Tuvinskafā Sel'skokhoz. Opytn. Sta. Trudy 2:7-85. 1950. 106 T89
- 57316 VARVARIN, B. G. Seed production of perennial legumes and grasses on the flooded lands in Ul'yanovsk Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.473-475. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57317 VINE, R. Steep hills but high production; dairy farming despite difficulties. New Zeal. Farmer 72(2):3-4. Mar.15,1951. 23 N484
- Pasture and dairy farming management.
- 57318 VOGEL, J. W. Our leading grasses—the stockman's full hand. Mont. Farmer - Stockman 38(11):6,43. Feb.1,1951. 6 M764
- 57319 VOLKOVA, E. G. Problems in the agricultural technique of grass and legume seed production in Western Siberia. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.528-531. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57320 VOZNYĬ, I. D. Measures for increasing the yields of grass and legume seeds in Rostov Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.502-505. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57321 WATKINS, J. M., and VAN SEVEREN, M. L. Effect of frequency and height of cutting on the yield, stand, and protein content of some forages in El Salvador. Agron. J. 43:291-296. Ref. June 1951. 4 Am34P
- 57322 WAY, G. S. Grassland farming stressed as best course for farmer-veterans. Farmer's Advocate & Home Mag. 86(3399):5,28. May 24,1951. 7 F22
- 57323 WOODSONCROFT, D. How to harvest legumes for seed. Successful Farming 49(7):56,58. July 1951. 6 Su12
- 57324 WOOLFOLK, E. J., and HARRIS, G. A. Forage species and seasons for reseeding foothill range lands in northeastern Washington. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 97, 2 p. Apr.1951. 1.9622 N3R31
- 57325 WYATT, J. A. A field of grass. Kent Farmers J. 69:70-71. Apr.1951. 10 K41
- Pasture management and utilization.
- 57326 ZAITSEV, A. I. Situation of grass and legume culture and measures for commercial perennial grass and legume seed production in Molotov Region. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.47-51. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57327 ZAKHARCHENKO, S. A., and TARASENKO, V. A. Growing seeds of alfalfa, sainfoin and brome grass in the Kuban Area. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.499-500. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57328 ZONSHTEĬN, L. I. A. Measures for increasing the yields of grass and legume seeds in Kirgizia. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.536-541. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57329 ZONSHTEĬN, L. I. A. Methods for growing seeds of perennial grasses and legumes. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav, p.101. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32

Oil Crops

- 57330 BEE, E. Linseed cultivation in Australia. Palm, Oil & Colour J. 119:882. Apr.13,1951. 306.8 O152
- 57331 CHERNOMAZ, P. A. Effect of size of seeds and supplementary artificial pollination on yields of sunflowers. (In Russian.) Selek. i Semen. 17(12):72-73. Dec.1950. 61.9 Se5
- 57332 EYNDEN, M. VAN DEN. Sunflowers. (In Dutch.) Nieuwe Veldbode 17:334-335. Feb.15,1951. 12 V542N
- Culture and use.
- 57333 FLACCOMIO, E. Culture of castor beans in Italy and possibilities of its development. (In Italian.) Agr. Ital. 2:103-104. Feb.15,1951. 16 Ag822
- 57334 FRIEDERICH, J. C. The culture of oil flax. (In Dutch.) Nieuwe Veldbode 17:452-453. Mar.29,1951. 12 V542N

- 57335 FROLOV, P. V. To improve the selected seed production work with oil crops in Ukraine. (In Russian.) *Selekt. i Semen.* 17(12):15-21. Dec.1950. 61.9 Se5
- 57336 GAURY, C. La modernisation de la culture de l'arachide aux Etats-Unis. *Marchés Colon.* 7:1070-1074. Apr.21,1951. 286.8 M33
- 57337 GRAY, J. The Improved Pelican soybean. *Sugar B.* 29:219. Apr.15,1951. 65.9 Am32
- 57338 KERR, J. A., and CARTMILL, W. J. Peanut growing in Queensland. *Queensland Agr. J.* 72:63-76. Feb.1,1951. 23 Q33
- 57339 NORTON, L. J. Increase your yields, not the acres. *Soybean Digest* 11(7):28. May 1951. 60.38 So9
- 57340 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. More soybeans for '51, by M. G. Weiss and K. M. Gapen. Washington, 1951. 4 p. 1.914 R2R11
Chiefly culture and varieties.
- 57341 U. S. REGIONAL SOYBEAN LABORATORY. Results of the cooperative uniform soybean tests, 1950. I. North Central States, compiled by J. L. Cartter, L. F. Williams, R. E. Lawrence, and C. J. Younger. U. S. Bur. Plant Indus., Soils & Agr. Engin. RSLM 158,118 p. Mar. 1951. 1.9 C49292Rs
- 57342 U. S. REGIONAL SOYBEAN LABORATORY. Results of the cooperative uniform soybean tests, 1950. II. Southern States, compiled by E. E. Hartwig, and E. Bounds. U. S. Bur. Plant Indus., Soils & Agr. Engin. RSLM 157,110 p. Mar.1951. 1.9 C49292Rs
- 57343 WEST, H. I. Soys: how and when to grow. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(3):26,176. Mar.1951. 6 P945G
- 57344 YORK, E. T., JR. Narrower rows will increase peanut profits. *Prog. Farmer, Carolinas-Va. Ed.* 66(5):60-61. May 1951. 6 P945
- 57345 YORK, E. T., JR., and GODFREY, M. R. Runner or bunch, closer rows pay. *Res. & Farming [N. C. Sta.]* 9(3):10,15. Winter 1951. 100 N81R
Spacing of peanut plants.

Sugar Crops

- 57346 BAREISS, G. Einkelmige rübensaat bewährt sich bei uns! *Württemb. Wehnl. f. Landwirt.* 118:280-281. Apr.7,1951. 18 W96
- 57347 BEAUCHAMP, C. E. Historia evolutiva del procedimiento de aumentar el contenido de azúcar de la caña por medio de hormonas. *Inst. Cubano de Suelos y Abonos. Inform. Téc.* 9:1162-1179. Feb.1951. 65.9 H29
- 57348 DUTT, N. L., DAVIS, T. A., and RAO, J. T. Early cane habit as a means of identification of varieties and an improved instruments for measuring the angle of shoots. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):2-4. 1951. 65.9 C766
- 57349 FRATICELLI R., P. The integral method of replanting cane fields. Test results. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:119-121. 1949. 65.9 As5
- 57350 HARVEY, P. Processed seed: its value to the farmer. *Brit. Sugar Beet Rev.* 19:99-104. Mar.1951. 66.8 B77
- 57351 HOLLAND, Y. Plant carefully for mechanization. *Sugar Beet* 10:18. Mar.1951. 66.8 Su34B
- 57352 IYER, S. S. A statistical study of varietal deterioration. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.1):58-64. 1951. 65.9 C766
- 57353 KRISHNASWAMI, M. K. A note on the inheritance of ligular process in certain seedlings of *Saccharum spontaneum* L. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):(41)-(46). Ref. 1951. 65.9 C766
- 57354 LAISNE, M. L'emploi des semences monogermes de betteraves économise la main-d'oeuvre. *Rustica* 24:295,297. Apr.1,1951. 14 R92
- 57355 LIZÁRRAGA GOÑI, J. Loss in cane. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:105-111. 1949. 65.9 As5
During harvesting and hauling.
- 57356 MCCULLOCH, B. O. These farmers pioneer sugar beets for first time on Minidoka project. *Sugar Beet* 10:6-8. Mar.1951. 66.8 Su34B
In Minidoka and Jerome Counties, Idaho.
- 57357 MUKERJEE, S. K. Variability in *Saccharum spontaneum* L. and its use in sugarcane breeding. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):19-22. 1951. 65.9 C766
- 57358 NOLAN, P. R., and POLLAK, L. W. On the prediction of the yield and sugar content of sugar beet in Ireland. *Dublin, 1951. 53 p. (Dublin Inst. for Advn. Studies. Sch. Cosmic Studies. Geophys. Mem., No. 3, pt. 1).* 66 N71
- 57359 PANJE, R. R. A preliminary note on the *Saccharum* collection work in progress at the Sugarcane Breeding Station, Coimbatore. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):10-19. Ref. 1951. 65.9 C766

- 57360 PARRISH, C. P. Width of row important in tonnage. *Sugar Beet* 10:23. Mar.1951. 66.8 Su34B
- 57361 RAGHAVAN, T. S. Some aspects of recent cyto-genetical work in sugarcane. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):(47)-(54). 1951. 65.9 C766
- 57362 RODRÍGUEZ CABRERA, M. The consensus on the agricultural and industrial characteristics of commercial sugar cane varieties in Cuba. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:129-139. 1949. 65.9 As5
- 57363 SIROTTI, G. The cultivation of sugar beets. (In Italian.) *Romagna Agr. e Zootec.* 36(2/3):1-2. Feb. 1951. 16 R66
- 57364 TANTZEN, J. Klima, standort, zuckerrüben und einheitswerte. *Landwirtsch. Weser-Ems* 1950:1077-1079. Dec.21,1950. 18 L2345

Tobacco

- 57365 ALBERGARIA, M. H. S. DE. The culture of tobacco in Angola. (In Portuguese.) *Agros [Lisboa]* 34:23-30. Jan./Feb.1951. 15.5 Ag82
- 57366 BERTHOLD, T. Künstlich beschattete tabake; aus der geschichte des anbaues von zigarrendeckblatt-tabaken unter beschattung in Connecticut, USA. *Süddeut. Tabakztg.* 61(21):3. May 25,1951. 286.89 Su2
- 57367 CHARET, J. Le tabac en Dordogne. *Rev. Internat. des Tabacs* 26:104-106. May 1951. 69.8 R324
- 57368 COLLINS, J. C. The production of fire cured tobacco. *Rhodesia Agr. J.* 47:494-509. Nov./Dec.1950. 24 R34
- 57369 FERRARI, N. Cultivation of tobacco in the Brenta Valley. (In Italian.) *Lotte Contadine* 1(9):7. Nov. 5,1950. 16 L91
- 57370 GARNER, W. W. The production of tobacco. Rev. ed. Philadelphia, Blakiston, 1951. 520 p. Ref. (Blakiston Books on Agr.) 69 G18
- 57371 GIRAUD, E. Le XXXVe Congrès National des Planteurs de Tabac. *Rev. Internat. des Tabacs* 26:107-109. May 1951. 69.8 R324
- 57372 HUNT, R. Meet Mr. Good Stand, tobacco's friend. *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 66(5):18. May 1951. 6 P945K
- 57373 LIMA, A. R. Production of tobacco in the State of São Paulo. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(363):50-51. Feb.1951. 9.2 B733
- 57374 MCEVOY, E. T. Nutrient research with tobacco at Ottawa. *Canada. Expt. Farms. Tobacco Div. Lighter* 21(2):1. May 1951. 286.89 C16
- 57375 McEWEN, J. Australia gives her would-be tobacco growers adequate training. *Rhodesian Tobacco J.* 3:105-106. Feb.1951. 69.8 R34
- 57376 SCHNEIDER, E. O., and BEACH, W. S. Practices used on tobacco seedbeds at the Tobacco Research Laboratory, Lancaster, Pennsylvania. *Pa. Agr. Expt. Sta. Prog. Rpt.* 48,4 p. May 1951. 100 P381P
- 57377 SCHULER, K. Die bedeutung des erdtopfes in der tabakzucht. *Landwirtsch. Weser-Ems* 98:208-209. Mar.8,1951. 18 L2345
- 57378 SCOTT, W. A., and HASLAM, R. J. Production, harvesting and curing of dark tobacco in Ontario. *Canada. Dept. Agr. P.* 846,22 p. Jan.1951. 7 C16Pu
- 57379 SCOTTI, P. Il tabacco [Tobacco]. Pisa, Vallierini, 1950. 92 p. 69 Sco3
- 57380 VAN BAVEL, C. H. M., and TISDALE, S. L. Tobacco roots—a look at the hungry mouth. *Res. & Farming [N. C. Sta.]* 9(3):7. Winter 1951. 100 N81R

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

- 57381 ARBOLEDA, J. V., and SERRANO, C. Contribucion a la propagación con el metodo de la planta madre. *Acta Agron.* 1:49-50. Dec.1950. 9.4 Ac8
Propagation of *Flacourtia ramontchi*. English summary.
- 57382 AUSTRIA, K. K. HÖHERE LEHRANSTALT FÜR WEIN- UND OBSTBAU. Jahresbericht 1945-1950. Klosterneuburg, 1950. 89 p. 105.9 K692
- 57383 BAKER, MRS. E. C. School of practical gardening in Massachusetts. *Nat. Gard.* 22(3/4):22,31-32. Mar./Apr.1951. 90.32 N21
- 57384 BODO, F. Wann kommt das gütezeichen für baumschulerzeugnisse? *Obst u. Gart.* 5:97-98. July 1950. 80 Ob75
Comment by Teuffenbach, p. 113, Aug. 1950.

- 57385 BÖHME, W. Probleme des gartenbaulichen berufsschulunterrichts. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:27-29. Mar.1951. 18 N11 Germany.
- 57386 BRACONNIER, R. Des droits de l'obtenteur sur l'exploitation des variétés de plantes qu'il a créées et de la protection de ces droits. Acad. d'Agr. de France. Compt. Rend. 37:184-189. 1951. 14 P215Bc Includes introduction by Jean Lefèvre.
- 57387 CHAMPLIN, MRS. W. H. New Hampshire's horticultural heritage. Natl. Gard. 22(3/4):4-6,33-34. Mar./Apr.1951. 90.32 N21
- 57388 COUTINHO, M. Notes on the care and preservation of the garden. (In Portuguese.) Seleç. Agr. 6(59): 43-44. (Cont.) Mar.1951. 9.2 Se4 Plant propagation.
- 57389 DENISE, T. Some research needs of the New Jersey grower. N. J. State Hort. Soc. Hort. News 32: 2389,2391-2393,2402. May 1951. 81 N46
- 57390 DOSE, H. H. Als junggärtner nach Amerika. Deut. Baumsch. 3:45-48. Feb.1,1951. 80 D486
- 57391 ELLIS, C. K. Planning a garden for the country home. New Zeal. J. Agr. 82:193-195,197. Feb.1951. 23 N48J
- 57392 GARDENER, E. Lean times in horticulture. Times Survey Brit. Agr. 1951:6. Mar.1951. 10 T48
- 57393 GINDLHUBER, W. Wir melden uns zum wort: "das gütezeichen kommt!" Obst u. Gart. 5:114. Aug.1950. 80 Ob75
- 57394 HARDIN, J. C. Early garden traditions of Arkansas. Ark. Gard. 11(2):2,7. Spring 1951. 80 Ar42
- 57395 HAUSNER, F. Die lage des gartens. Obst u. Gart. 5:136. Sept.1950. 80 Ob75
- 57396 HEGGDAL, R. Professional information and directions in horticulture. (In Norwegian.) Kolonihaugen 21:43-45. Feb.1951. 80 K83
- 57397 HOTTES, A. C. William Hertrich, the dauntless gardener. Horticulture 29:214. June 1951. 80 H787
- 57398 JOHN INNES HORTICULTURAL INSTITUTION. Forty-first annual report, 1950. Cambridge,1951. 41 p. 463.6 J61
- 57399 LAWRENCE, W. J. C. Science and the glasshouse. Ed. 2, rev. Edinburgh, Oliver & Boyd, 1950. 175 p. 90.13 L43
- 57400 LEWIS, W. H. Dutch lights: how is it best to crop them? Fruit-Grower 2894:1053-1054. June 14,1951. 80 F941
- 57401 MARESCALCHI, A. Italian horticulture and its future. (In Italian.) Roma Econ. 4:81-83. Feb.1951. 280.8 R66
- 57402 MAURER, K. J. Wann erfüllt das markenetikett seinen zweck? Obst u. Gart. 6:3. Jan.1951. 80 Ob75 Certified nursery stock.
- 57403 MICHIGAN STATE HORTICULTURAL SOCIETY. Eightieth annual report of the secretary for the year 1950. Lansing,1951. 131 p. 81 M58
- 57404 MURAYAMA, S. J. Campos do Jordão in agriculture; carrots—potatoes—fruits and olives. (In Portuguese.) Chacaras e Quintais 83:442-443. Apr.15,1951. 9.2 C34
- 57405 NETHERLANDS. DIRECTIE VAN DE LANDBOUW. Tuinbouwgijs [Manual of Horticulture], v. 8. The Hague,1951. 844 p. 86 N383
- 57406 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE, STILLWATER. DEPT. OF HORTICULTURE. An elementary course in general horticulture, by F. LeCrone, F. B. Cross, H. B. Cordner, F. A. Romshe, R. P. Ealy, W. R. Kays, and E. R. Houston. Oklahoma City, Semco Color Press, 1951. 511 p. 90.4 Ok4
- 57407 PENINSULA HORTICULTURAL SOCIETY. Transactions; Sixty-fourth annual meeting held at Dover, Delaware, December 12 and 13, 1950. Del. State Bd. Agr. B. 40(5),138 p. 1951. 2 D37B
- 57408 PROCTER, C. Bayfordbury soll would be ideal but—. Grower [London] 35:1006-1008. May 19,1951. 286.83 M34 Greenhouse culture in England.
- 57409 QUARRELL, C. P. Cloches on the small-holding. Worcestershire Agr. Chron. 19:154-158. Feb./May 1951. 10 W892
- 57410 SCHLEUSENER, Die pflege unserer jungen pflanzen. Deut. Landwirt. 2:233-235. May 1951. 18 D4822
- 57411 SCHÖBER, K. Aufgaben und pflichten des saatzgutvermehrers. Landwirtschaft 1951:88-91. Mar. 1951. 19 L235 Austria.
- 57412 TICQUET, C. E. Encore la culture sans sol. Culture 28:15. Apr.1951. 14 C894
- 57413 TUKEY, H. B. Horticultural flight to Europe. Mich. State Hort. Soc. Annu. Rpt. 80:53-60. 1950, pub. 1951. 81 M58
- 57414 VINCENT, S. Le jardinage à l'école. Foyer Rur. [Montreal] 10(6):8,24. Mar.1951. 7 F83 Canada.
- 57415 VIRGINIA DEPT. OF AGRICULTURE AND IMMIGRATION. DIV. OF PLANT INDUSTRY. List of registered nurserymen, year ending August 31, 1951. Richmond,1951. 26 p. 225 V812
- 57416 WEYLAND, F. Das grüne buch für bauer, siedler und gartenfreund. Holzminden, Trowitzsch, 1950. 64 p. 90.1 W54
- 57417 WHITEHEAD, E. L. An Oklahoma garden planning guide. Okla. Agr. Col. Ext. C. 487,4 p. n.d. 275.29 Ok41C
- 57418 WILLIAMS, R. O. School gardening in the Tropics. Ed. 3. London, Longmans, Green, 1950. 143 p. 90.41 T73
- 57419 WITTE, K. Untersuchungen zur frage der frostabwehr durch beregnung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:658. May 3,1951. 18 L2346
- 57420 ZANDER, R. Die kunst des pflanzenbeschreibens. Eine fachwörterbuch für gärtner und gartenfreunde. Ed. 2. Stuttgart, Ulmer, 1950. 75 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 56) 452.12 Z1

Fruits--General

- 57421 BOHNKE. In welcher weise fördert die Obstbauversuchsanstalt Jork den obstbau in andern ländern? Landpost 5(8):4. Feb.24,1951. 18 L2329
- 57422 BRANZANTI, E. C. Le basi della potatura verde. Riv. di Frutticoltura. 13:135-136. Apr.1951. 80 R52
- 57423 BULLOCK, R. M. Artificial pollination (is it practical?) West. Fruit Grower 5(3):13-14. Mar.1951. 95.8 G762
- 57424 CAWTHON INSTITUTE. Fruit research. Annual report for 1949-50. Cawthon Inst. B. 57,2 p. 1950. 23 C31C
- 57425 DALRYMPLE, D. "Takes" and "mistakes" with chemical fruit thinning. Amer. Agr. 148:268,275. May 5,1951. 6 Am3
- 57426 EASTERN FRUIT GROWER. 10 essential factors for successful fruit growing, compiled by C. B. Carr. Boyce, Va., 1950. 48 p. 93 Ea7
- 57427 FACCINI, G. C. The Wadenswil Station. (In Italian.) Italia Agr. 88:215-222. Apr.1951. 16 It1 Fruit culture research in Switzerland.
- 57428 GRINSCHGL. Stamm- oder gerüstbildner. Obst u. Gart. 5:165. Nov.1950. 80 Ob75
- 57429 GUENTHER. Vom obstbau in Schweden. Obstbauversring. Mitt. 1950:94-95. Sept.1/15,1950. 85 J76
- 57430 KNUTH, F. M. Blandt frugtavlere i Sydamerikas [Among fruit growers in South America]. København, Landsforeningen Dansk Frugtavl, 1950. 82 p. 93.31 K78 English summary.
- 57431 KUNEYL, H. La Vallée du Rio-Negro en Argentine. Fruits et Primeurs de l'Afrique du Nord 21:153. 160. May 1951. 80 F9482 Chiefly fruit culture.
- 57432 LAVEZZINI, A. Elements of fruit tree pruning. (In Italian.) Avvenire Agr. 59:55-57. (To be cont.) Mar.1951. 16 Av9
- 57433 LOEWEL, E. L. Die blüten-führungen des obstbauversuchsrings im Mal. Obstbauversring. Mitt. 1950:64-65. June 1/15,1950. 85 J76
- 57434 MARTIN, L. R. E. Home-grown fruit can cut your household bills. I. Smallholder 84(2126):15. Feb. 16,1951. 10 Sm1 Fruit varieties.
- 57435 MAURER, K. J. Ein beitrag zur beeinflussung des wurzelsystems durch die edelsorte. Obstbau 70:24-25. Feb.1,1951. 80 Ob73
- 57436 MAURER, K. J. Der wind, seine wirkungen und windschutzpflanzungen im obstbau. Obst u. Gart. 5: 130-132. Sept.1950. 80 Ob75
- 57437 OREY, J. D. S. DE A. D'. Tropical fruit culture. (In Portuguese.) Agros [Lisboa] 34:99-108. Jan./Feb.1951. 15.5 Ag82
- 57438 PLOCK, H. Wichtige grundregeln für das pflanzen von obstbäumen. Obst u. Gart. 5:173-174. Nov.1950. 80 Ob75
- 57439 QUASSOWSKI, H. Der obstbaumschnitt. Landfrauenarbeit 1951:29-30,38. Jan.27-Feb.3,1951. 18 L2347
- 57440 REBOUR, H. Adaptation des cultures fruitières pérennes aux milieux agricoles. Fruits et Primeurs de l'Afrique du Nord 21:161-163. May 1951. 80 F9482
- 57441 RIEHS, E. Keimung von obstsamen. Obst u. Gart. 5:150. Oct.1950. 80 Ob75

57442 ROSS, A. A., and KUSKIE, S. J. Fruit growing; horticultural districts of Queensland. 6. The Burnett and adjacent coast. Queensland Agr. J. 72:81-92. Feb.1,1951. 23 Q33

57443 SKARD, O. Harvesting and storage of apples and pears. (In Norwegian.) Kolonihagen 21:40-41. Feb. 1951. 80 K83

57444 SKARD, O. Plant distances for fruit trees and berries. (In Norwegian.) Kolonihagen 21:19. Feb.1951. 90 K83

57445 STRATTON, C. L. The Whiting orchards. New Eng. Homestead 124(10):7. May 26,1951. 6 N442 Management.

57446 TOBISCH, W. Der schnitt des steinobstes. Landwirtschaft 1951:59-62. Feb.1951. 19 L235

57447 WARD, K. M., and FISHER-WEBSTER, K. Fruit growing; Maroochy Experiment Station. Queensland Agr. J. 72:22-38. Jan.1,1951. 23 Q33

57448 WATTS, A. T. J. Fruit tree crop failures. New Zeal. J. Agr. 82:231,233,235,237,239. Mar.1951. 23 N48J

57449 WENCEL, E. Der rationelle obstbau nach neuzeitlichen grundsätzen. Berlin,Sicker,1950. 126 p. (Falken-Bücherei, Bd. 25) 93.26 W48

57450 WIESER, P. Schnitt des stein- und beerenobstes nach der ernte. Obst u. Gart. 5:115-116. Aug.1950. 80 Ob75

57451 WIGGALL, P. C. A. Modified lorette pruning. Gard. illus. 68:168. June 1951. 80 G169 Fruit.

57452 WIRTH, H. Die entwicklung des bestandes an obstgehölzen im bundesgebiet. Deut. Baumsch. 3:41-44. Feb.1,1951. 80 D486

Fruits--Citrus and Subtropical

57453 AHMAD, M. N., and ULLAH, M. H. Two new varieties of Sangtra orange—Kinnow Mandarin and Feutrell's Early. Punjab Fruit J. 14(48):21-23. Apr./July 1950. 80 P962

57454 ALFIO, T. Culture of the pummelo in Sicily. (In Italian.) Tec. Agr. 2:140-145. Nov./Dec.1950. 16 T22

57455 BITTERS, W. P., and PARKER, E. R. Rootstock investigations. Calif. Citrog. 36:313,329-330. June 1951. 80 C125

57456 BLONDEL, L. Quelques aspects de l'agrumiculture italienne. Colon Franç. de Tunisie (ser.7)44(2154):3. July 22,1950. 24 C712

57457 CHAPOT, H. Agrumes et fruits subtropicaux aux U. S. A. Fruits 6:55-58. Feb.1951. 80 F9492

57458 CHILD, R. Research on the coconut palm with special reference to Ceylon. World Crops 3:228-232. Ref. June 1951. 281.8 W892

57459 EYSTER, W. H. The pineapple in Hawaii. Org. Farmer 2(9):27-29. Apr.1951. 57.8 Or3

57460 FREITAS, H. DE. Instructions for the cultivation of citrus. (In Portuguese.) Seleç. Agr. 6(59):47-48. Mar.1951. 9.2 Se4 Brazil.

57461 FROST, H. B., and CAMERON, J. W. Frua and Dweel, two new citrus varieties that produce good-sized fruit with tangerine-like flavor. Calif. Agr. Expt. Sta. B. 721,10 p. Feb.1951. 100 C128

57462 GUZZINI, D. The Befana mandarin orange. (In Italian.) Mondo Agr. 2(1):4. Jan.7,1951. 16 M74

57463 ITIE LECOAT, M. El cultivo del plátano. Rev. Nac. de Agr. 45(550):18-22. Feb.1951. 9.4 R32

57464 JEATER, J. G., CANN, H. J., and EASTWOOD, H. W. Hormones used to destroy bananas. Agr. Gaz. N. S. Wales 62:140-144. (Concl.) Mar.1,1951. 23 N472

57465 JOHNSTON, J. C. Summary of lemon problems. (Sum.) Calif Citrog. 36:339-340. June 1951. 80 C125

57466 MAURI, N. La taille des agrumes n'est pas qu'une opération annuelle. Fruits et Primeurs de l'Afrique du Nord 21:174-175. May 1951. 80 F9482

57467 MAXWELL, N. P. Pruning tests with freeze-damaged citrus trees. Tex. Farming & Citricult. 27(11):4. May 1951. 80 T31

57468 MENON, H. B. El cultivo del guayabo. Hacienda 46(6):48,50. June 1951. 6 H11

57469 PEREAU-LEROY, P. Le premier Congrès International de la Datte. Fruits 6:27-28. Jan.1951. 80 F9492

57470 PINTO, J. M. DE S. Mato Grosso orange. (In Portuguese.) Chacaras e Quintais 83:476-477. Apr.15, 1951. 9.2 C34

57471 PIRE SOLIS, J. M. Palmeras en Elche. Agri-cultura [Madrid] 20:115-118. Mar.1951. 15 Ag84 Date palm culture.

57472 ROSS, A. A. Fruit drop in citrus. Queensland Prod. 32(30):17. Jan.24,1951. 23 Q35

57473 SMOYER, K. M. Care of young citrus trees. Calif. Citrog. 36:311. June 1951. 80 C125

Also in Citrus Leaves 31(6):10-11. June 1951. 80 C492

57474 SPINELLI, P. The bergamot of Reggio Calabria (Citrus bergamia Risso). (In Italian.) Riv. di Agr. Subtrop. e Trop. 45(1/3):85-99. (To be cont.) Jan./Mar. 1951. 26 Ag82

57475 TKATCHENKO, B. Les agrumes en U. R. S. S. Fruits 6:43-54. (To be cont.) Feb.1951. 80 F9492

57476 ZELLER. Enseignements d'une mission aux Etats-Unis; l'olivier en Californie. Colon Franç. de Tunisie (ser.7)44(2191):3. (To be cont.) Mar.31,1951. 24 C712

Culture.

Fruits--Deciduous

57477 ALDRICH, W. W. Some problems of peach maturity and handling. Mich. State Hort. Soc. Annu. Rpt. 80:68-72. 1950, pub.1951. 81 M58

57478 BAUDEWIJN, J. La culture des cerises au Limbourg. Rev. de l'Agr. 4:284-300. Mar.1951. 13 R322

English summary.

Culture and costs.

57479 BREZINA, R. Zwei interessante obstsorten. Obst u. Gart. 5:98-99. July 1950. 80 Ob75

Apples.

57480 BROOKE, J. Peaches, apricots and other stone fruit. London, Faber & Faber, 1951. 163 p. 93.24 B792

57481 CORDY, C. B. The off-quality Hale [peach]. (Sum.) West. Fruit Grower 5(3):19-20. Mar.1951. 95.8 G762

57482 CORNEJO BUCKELEW, L. G. Acción retardatriz de la caída de la fruta, ejercida por algunos productos llamados hormonas vegetales, y ensayos de aplicación sobre cinco variedades de manzanos. La Plata. U. Nac. Facul. de Agron. Cátedra de Arboricult. Gen. y Frutal. B. 1,22 p. June, 1950. 102.5 L312

57483 FRITZSCHE, R. Blütenansatz an jungbäumen und verpflanzten bäumen. Schweiz. Z. f. Obst- u. Weinbau 60:190-192. May 19, 1951. 80 Sch9

57484 HARTMAN, H. Pear varieties. (Sum.) West. Fruit Grower 5(3):20-21. Mar.1951. 95.8 G762

57485 HAUSER, F. Pflege der bäume. Obst u. Gart. 5:147-148. Oct.1950. 80 Ob75

Fruit.

57486 HAUSNER, F. Die anwendung der werkzeuge beim baumschnitt. Obst u. Gart. 5:179. Dec.1950. 80 Ob75

57487 HAUSNER, F. Das auslichten und ausputzen älterer obstbäume. Obst u. Gart. 5:181-182. Dec.1950. 80 Ob75

57488 HAUSNER, F. Fächerspaliere. Obst u. Gart. 5:118-119. Aug.1950. 80 Ob75

57489 HAUSNER, F. Der formobstschnitt. Obst u. Gart. 5:180-181. Dec.1950. 80 Ob75

57490 HAUSNER, F. Obstbau an hängen. Obst u. Gart. 5:135. Sept.1950. 80 Ob75

57491 HAUSNER, F. Pflanzweite im obstbau. Obst u. Gart. 5:146-147. 80 Ob75

57492 HAUSNER, F. Der schnitt des hoch- und halb-stämmigen kern- und steinobstes. Obst u. Gart. 5:180. Dec.1950. 80 Ob75

57493 HAUSNER, F. Der spalierbaumschnitt. Obst u. Gart. 6:3-5. Jan.1951. 80 Ob75

57494 HAUSNER, F. Spalierobst. Obst u. Gart. 5:117-118. Aug.1950. 80 Ob75

57495 HAUSNER, F. Die unterlagen der obstbäume. Obst u. Gart. 5:116. Aug.1950. 80 Ob75

57496 HERRMANN, W. Alljährliche ernten von guter qualität. Obstbau 70:22-23. Feb.1,1951. 80 Ob73

57497 IVANOV, V. V., and IVANOVA, S. E. Apple tree [Malus silvestris] in the near-Caspian semideserts. (In Russian.) Priroda 39(11):55-56. Ref. Nov.1950. 410 P933

57498 JOHNSTON, S. The fundamentals of economical peach production. Mich. State Hort. Soc. Annu. Rpt. 80:60-66. 1950, pub.1951. 81 M58

57499 KALNG, C. A. Fruit hedge culture according to the Lepage method. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 1951:10-12. 86 Sv2F

57500 KARNATZ, H. Einige hinweise zur stratifikation von steinobst. Obstbauversring. Mitt. 1950:83-84. Aug.1/15,1950. 85 J76

57501 KARNING, K. Das umveredeln älterer obstbäume. Obst u. Gart. 5:177-178. Dec.1950. 80 Ob75

57502 KEMMER, E. Zur frage der typenbenennung im obstbau. Deut. Baumsch. 3:41. Feb.1,1951. 80 D486

57503 KEMMER, W. Der Oeschbergschnitt. Deut. Baumsch. 3:29-31. Feb.1,1951. 80 D486

Fruit.

- 57503 KRUSMANN, G. Beiträge zur Kenntnis der Quittensorten, *Cydonia oblonga* Mill. (II.) Deut. Baumsch. 3:51-54. Feb.1,1951. 80 D486
- 57504 LONES, B. Rootstocks for fruit trees. (In Norwegian.) Kolonihagen 21:36-39. Feb.1,1951. 80 K83
- 57505 LUSIS, E. Unterscheidung der pflaumen nach steinmerkmalen. Obstbau 70:27. (Concl.) Feb.1,1951. 80 Ob73
- 57506 MACHERAUCH, O. Die erste obstsamenspendeanlage, ein bedeutsamer fortschritt für obstbau und baumschule. Deut. Baumsch. 3:31-34. Feb.1,1951. 80 D486
- 57507 MAURER, K. J. Die bedeutung der Mitschurinsorten für den mitteleuropäischen raum. Obst u. Gart. 5:99-100. July 1950. 80 Ob75
- 57508 MAURER, K. J. Einige Gesichtspunkte der Sortenwahl. Obst u. Gart. 5:132-133. Sept.1950. 80 Ob75
- 57509 MAURER, K. J. Faktoren, die den wuchscharakter der sorten bestimmen. Obst u. Gart. 5:163-164. Nov.1950. 80 Ob75
Chiefly apples.
- 57510 MAURER, K. J. Grundsätzliches zur frage der gerüstbildner und verkürzung des stammes. Obstbau 70:20-21. Feb.1,1951. 80 Ob73
- 57511 MAURER, K. J. Eine überlegung zu den gütebestimmungen der obstbäume. Obst u. Gart. 5:150. Oct. 1950. 80 Ob75
- 57512 NILSSON, F. Apple rootstocks in USA and Canada. (In Swedish.) Sveriges Pomol. För. Fruktdiaren 1951:25-26. 86 Sv2F
- 57513 NORBURY, C. P. Present day trends in apple production. Worcestershire Agr. Chron. 19:97,99,101,103,105,107,109,111. Feb./May 1951. 10 W892
Includes apple varieties.
- 57514 PASSECKER, F. Die myrobalane [*Prunus cerasifera*] - eine schlechte veredlungsunterlage. Obst u. Gart. 6:1-2. Jan.1951. 80 Ob75
- 57515 PASSECKER, F. Eine wichtige aufgabe unserer baumschulen. Gart.-Z. illus. Flora 74:9-10. Jan.1951. 80 G1991
Fruit propagation.
- 57516 PLOCK, H. Die stammpflege jüngerer und älterer bäume. Obst u. Gart. 5:148-149. Oct.1950. 80 Ob75
Fruit.
- 57517 PLOCK, H. Über das anbinden von obstbäumen. Obst u. Gart. 5:148. Oct.1950. 80 Ob75
- 57518 RITSCHL, P. Pfirsichbau am Tuniberg. Bauern Ztg. 4(13):8. Mar.30,1951. 18 B324
- 57519 ROSSI, F. The Conventina apple. (In Italian.) Italia Agr. 88:229-236. Ref. Apr.1951. 16 It1
- 57520 SCHEIL, W. Anregung aus unserem mitgliederkreis: verjüngungsschnitt bei kernobst. Obstbauversring. Mitt. 1950:88-89. Aug.1/15,1950. 85 J76
- 57521 SCHLEGEL, L. Weniger holz, aber mehr obst! Vom auslichten der obstbäume. Obstbau 70:19-20. Feb.1 1951. 80 Ob73
- 57522 SEITZER, D. Die umstellung zum qualitätsobstbau. Obstbau 70:17-18. Feb.1,1951. 80 Ob73
- 57523 SOUSA, J. S. I. DE. Gains and losses in peach tree culture. (In Portuguese.) Chacaras e Quintais 83:622. May 15,1951. 9.2 C34
Cultural methods.
- 57524 TEICHMAN, W. W. The training of young peach trees. Mich. State Hort. Soc. Annu. Rpt. 80:66-67. 1950, pub.1951. 81 M58
- 57525 VIERHELLER, A. F. Efficient production of peaches on the Peninsula. Del. State Bd. Agr. B. 40(5):93-98. 1951. 2 D37B
- 57526 WEIXLBAUMER, R. Das pflanzen von obstbäumen. Obst u. Gart. 5:145-146. Oct.1950. 80 Ob75
- 57527 WENCK, F. Wie sind die äste beim auslichten zu entfernen? Obstbau 70:18-19. Feb.1,1951. 80 Ob73
- 57528 WIESER, P. Gut und schlecht gepflanzte obstbäume. Obst u. Gart. 5:161. Nov.1950. 80 Ob75
- 57529 WILK, H. R. Pflegt den obstbaum. Obst u. Gart. 5:178-179. Dec.1950. 80 Ob75
- Fruits--Small**
- 57530 ANDERSEN, E. T. Raspberry growing in Manitoba. Manitoba. Dept. Agr. & Immigr. P. 240,6 p.-folder. Mar.1951. 275.29 M313
- 57531 ANGELL, G. N. Certified strawberry plants. Oreg. Farmer 74:279,306. Apr.19,1951. 6 Or32
Culture of plants and disease prevention.
- 57532 BAKER, R. E., and BUTTERFIELD, H. M. Commercial bushberry growing in California. Calif. Agr. Col. Ext. C. 169,50 p. Mar.1951. 275.29 C12C
- 57533 BAUER, W. Kleine rebsortenkunde. Österr. Weinztg. 6:44. (Cont.) Mar.25,1951. 390.8 Os7
- 57534 BEUTNER, H. Blueberry acres. Mich. Farmer 215:412-413. May 5,1951. 6 M58
- 57535 BRANAS, J. Sur la fructification. Prog. Agr. et Vitic. 1951:217-220. Apr.29,1951. 14 P94
Grapes.
- 57536 BUSH, R. Getting the best from soft fruit. Gard. illus. 68:144,147. May 1951. 80 G169
- 57537 CHARNAY, P. Recherche de greffons sains et productifs. Réveil Agr. 60:19-20. Jan.15,1951. 14 R322
Grapes.
- 57538 CLARKE, J. H. Thinking about growing blueberries. Oreg. Farmer 74:236,249. Apr.5,1951. 6 Or32
- 57539 CORNU, C. Besoins de porte-greffes en Allemagne. Prog. Agr. et Vitic. 1951:281-282. May 20/27, 1951. 14 P94
For grapes.
- 57540 CORNU, C. Greffage des boutures de vignes et paraffinage. Réveil Agr. 60:84. (Cont.) Mar.15,1951. 14 R322
- 57541 DALMASSO, G. The first course of specialization for graduates in viticulture and wine manufacture. (In Italian.) Mondo Agr. 1(23):4. Dec.3,1950. 16 M74
- 57542 DEMPSEY, P. W. Grow your own strawberries. New Eng. Homestead 124(5):21-23. Mar.10,1951. 6 N442
- 57543 FERNANDEZ DE BOBADILLA, G. Importancia de la selección en la viticultura. Siembra [Madrid] 7(2):5-8. Feb.1951. 15 Si1
- 57544 GALET, P. Méthode de description et de classification des espèces, variétés et hybrides de vignes. Off. Internatl. du Vin. B. 24(241):43-49. Mar.1951. 390.8 B87
- 57545 HALLAURE, J. The strawberry. Culinary Rev. 19(8):5,24. May 1951. 389.8 C89
History.
- 57546 HAUSNER, F. Schnitt des beerenobstes. Berufsgärtner 4:4-5. Jan.1951. 80 B463
- 57547 INTERNATIONAL CONGRESS OF GRAPES AND WINE. 6th, ATHENS, 1950. Rapports et exposés. Off. Internatl. du Vin. B. 24(240):11-16. (Cont.) Feb.1951 390.8 B87
- 57548 LEVADOUX, L. La nature du cépage. Agriculture [Paris] 15:111-114. Apr.1951. 14 Ag823
Grapes.
- 57549 LINDEN, R. La taille des groseilliers. Fruits et Primeurs de l'Afrique du Nord 21:179-181. May 1951. 80 F9482
- 57550 LUPORI, N. The importance of selection of natural environment and technical measures in modern viticulture. (In Italian.) Mondo Agr. 1(27):6. Dec.31, 1950. 16 M74
Italy.
- 57551 MACHERAUCH, O. Die kultur der erdbeeren. München, Bayerischer Landwirtschaftsverlag, 1950. 35 p. (Fruchtbare Erde, Heft 4.) 94.21 M18
- 57552 MACHERAUCH, O. Welche erdbeersorte? Landfrauenarbeit 1951:43-44. Feb.10,1951. 18 L2347
- 57553 MAGILL, W. W. Some newer strawberry practices as carried out by Kentucky growers. Mich. State Hort. Soc. Annu. Rpt. 80:72-75. 1950, pub.1951. 81 M58
- 57554 MATHIEU, J. Le problème de la vigne nouvelle; la culture des hybrides n'est pas obligatoirement incompatible avec la recherche de la qualité. Voix des Colons 33(1599):1,3. Mar.12,1951. 24 V85
- 57555 MOSER, L. Weinbau einmal anders. Rohrendorf bei Krems, 1950. 262 p. 95.3 M85
- 57556 NICKE, W. Kopferziehung oder stämmchenerziehung? -Weinbau 6:154. Apr.1,1951. 390.8 W432
- 57557 OLMO, H. P. Performance of new grape varieties. West. Fruit Grower 5(3):15-16. Mar.1951. 95.8 G762
- 57558 PETERSON, E. K. Grape culture in Latvian SSR. (In Russian.) Latv. PSR Zinātņu Akad. Vēst. 1:93-114. Ref. 1950. 511 R442
- 57559 PEYER, E. Die laubarbeiten und die erzeugung von qualitätsweinen. Schweiz. Z. f. Obst- u. Weinbau 60:200-201. May 19,1951. 80 Sch9
- 57560 POURCHARESSE, P. Étude expérimentale sur le bouturage et le greffage. Prog. Agr. et Vitic. 1951:221-223. Apr.29,1951. 14 P94
Grapes
- 57561 PROKSCH, F. Kartonagen-, topf-oder einjähr. pfiropfereben? Weinbau 6:179. Apr.15,1951. 390.8 W432
- 57562 RATH. Das veredeln des weinstockes. Gart.-Z. illus. Flora 74:7-9. Jan.1951. 80 G1991
- 57563 RECASENS, L. DE. Las fresas. Cult. Mod. 34:49-50. Feb.1951. 15 C89
- 57564 RIVEROS, J. E. Cultivo de la uva Gros Colman en el litoral. Chacra 21(246):28-29. May 1951. 9 C34
Argentina.
- 57565 RODRIGUES, A. Les méthodes ampélographiques peuvent-elles servir à résoudre les problèmes de l'ampélographie? Off. Internatl. du Vin. B. 24(241):49-73. Mar.1951. 390.8 B87

57566 SARTORIUS. Hoherzlehung. Weinbau 6:198-199. May 6, 1951. 390.8 W432

57567 SCALI, G. Notes on vineyard planting on the Reggio Calabrian coast. (In Italian.) Riv. di Econ. Agr. 6:118-123. 1951. 281.8 R52
English summary.

57568 SCHANZE. Erfahrungen mit wuchsstoffen. Weinbau 6:107. Mar. 4, 1951. 390.8 W432
In grape culture.

57569 SCHWARTZE, C. D. The "Northwest"—a promising strawberry. Oreg. Farmer 74:236, 253. Apr. 5, 1951. 6 Or32

57570 SCHWARTZE, C. D., and MYHRE, A. S. Research report—1950 progress on the Northwest strawberry. Nowest. Farm News 34(13):8. Mar. 29, 1951. 275.293 N81

57571 SHAULIS, N. Take a look at Washington grapes Wash. Farmer 76:328, 348. May 3, 1951. 6 R151

57572 STEFFEN, A. Fragen der stachelbeer-zuchtung. Deut. Baumsch. 3:39-41. Feb. 1, 1951. 80 D483

57573 STRATTON, C. L. A strawberry specialist tells "how." Mkt. Growers J. 80(4):18. Apr. 1951. 6 M34

57574 THEIMER, K. Lohnende ananaserdbeerkultur. Obst u. Gart. 5:141-142. Sept. 1950. 80 Ob75

57575 VEGA, J. Panorama vitivinico argentino. Semana Vitivinic. 6:2-3. Jan. 27, 1951. 95.8 Se5

Nuts

57576 BRISON, F. R. Lightning—hazard to pecans. Prog. Farmer, Tex. Ed. 66(6):60-61. June 1951. 6 T311
Lightning damage and protection from lightning.

57577 BRISON, F. R. Management practices in Texas. Soeast. Pecan Growers Assoc. Proc. 44:29, 30-31. 1951. 94.69 G29

57578 BROWN, W. What the U. S. Pecan Field Laboratory at Albany, Georgia, means to the Southeast. Soeast. Pecan Growers Assoc. Proc. 44:79, 81-82. 1951. 94.69 G29

57579 CULLINAN, F. P. Research in pecan production. Soeast. Pecan Growers Assoc. Proc. 44:35-39. 1951. 94.69 G29

57580 FANELLI, L. Anxieties and delusions in the cultivation of almonds (In search of a standard). (In Italian.) Mondo Agr. 2(7):4. Feb. 18, 1951. 16 M74
Italy.

57581 FIROR, G. H. Problem confronting the extension personnel in getting pecan producers to follow improved practices. Soeast. Pecan Growers Assoc. Proc. 44:83-84. 1951. 94.69 G29

57582 HIGDON, R. J. Too close spacing of pecan trees reduces both the size and the quality of the nuts. Soeast. Pecan Growers Assoc. Proc. 44:32-33. 1951. 94.69 G29

57583 LEROY, J. F. Le pacanier (*Carya illinoensis* (Wang.) K. Kock): morpho-biologie florale. Fructification. I. Fruits 6:6-14. (To be cont.) Jan. 1951. 80 F9492

57584 RAGLESS, G. B. Dry season affects most varieties. Grower [Adelaide] 5(8):8, 11. Feb. 1951. 80 G912

Almonds in Australia.

57585 SOUTHEASTERN PECAN GROWERS ASSOCIATION. Proceedings of the 44th annual convention held at Kadium Springs, Albany, Georgia, February 20th and 21st 1951. n.p., 1951. 108 p. 94.69 G29

57586 STUBBS, G. P. Report of the present status of the Federal Pecan Growers' Associations of the United States. Soeast. Pecan Growers Assoc. Proc. 44:91-94. 1951. 94.69 G29

Includes discussion.

57587 WINSLOW, M. M. Chestnut production; California leading State but commercial possibilities doubtful. Calif. Agr. [Calif. Sta.] 5(5):8. May 1951. 100 C12Cag
Chiefly varieties.

57588 WOODWARD, O. Variety performance at Coastal Plains Experiment Station. Soeast. Pecan Growers Assoc. Proc. 44:18-22. 1951. 94.69 G29
Georgia.

Includes discussion.

Shade Trees and Ornamental Plants

57589 ABBISS, H. W. Winter, spring and early summer flower crops. Grower [London] 35:1013, 1015. May 19, 1951. 286.83 M34
Culture in England.

57590 AHMED, S. Garden architecture. Pakistan 1(5):32-37. Winter 1950/51. 278.8 P17

57591 ALLEN, R. C. Do you know the roses? Horticulture 29:224-225. June 1951. 80 H787

57592 AMERICAN CAMELLIA SOCIETY. American Camellia yearbook, 1950, edited by H. H. Hume, and A. Griffiths, Jr. Gainesville, Fla., 1950. 448 p. 97.31 Am32

57593 AMMERMAN, R. J. Tuberous-rooted Begonias and their culture. Parks & Recreation 34(6):9-11. June 1951. 98.8 P23

57594 AMSLER, M. Delayed in transit. Amer. Camellia Ybk. 1950:204-205. 97.31 Am32
Transplanting nursery stock.

57595 ANDERSON, E. The white rose of the Renaissance. Natl. Gard. 32(3/4):15-16. Mar./Apr. 1951. 90.32 N21

Rosa alba.

57596 ARIOLI. La colaboracion de las bellas artes en jardines y paisaje. In Congreso Internacional de Arquitectura Paisajista. 2, Madrid, 1950. [Addresses presented], p.8-11. Madrid? 1950? 98.9 C762

57597 ARNOLD-FORSTER, W. English Camellia hybrids. Amer. Camellia Ybk. 1950:103-107. 97.31 Am32

57598 AUL, H. B. Foundation plantings important to home. Farm & Gard. [Watertown] 1951:8. Apr. 21, 1951. 6 F234

57599 BAHM, E. Medium height perennials for the border. Green Thumb [Denver] 8(6):8-9. June 1951. 80 G82

57600 BALLINGER, G. Planning the perennial border. Green Thumb [Denver] 8(6):6-7. June 1951. 80 G82

57601 BAYNES, A. Plants for beginners (part 4). Succulents II. Natl. Cactus & Succulent J. 6:7. Mar. 1951. 450 N21

57602 BERG. Les façades fleuries. Rustica 24:426. May 13, 1951. 14 R92

57603 BERGSTROM, F. T. Growing Camellias from seed. Amer. Camellia Ybk. 1950:236-237. 97.31 Am32

57604 BING, A. Cost of single stem versus pinched pompons. Chrysanthemum Soc. Amer. B. 19(1, i.e. 2):15-16. Apr. 1951. 81 C46B

57605 BIRDSEYE, C., and BIRDSEYE, E. Growing woodland plants. New York, Oxford U. Press, 1951. 223 p. 97.12 B53

57606 BISSCHOP, R. DE. Camellia culture in Belgium. Amer. Camellia Ybk. 1950:80-83. 97.31 Am32

57607 BÖHM, F. J. Neue Dahlien für den hausgarten. Landwirtschaft 1951:107-108. Mar. 1951. 19 L235

57608 BÖHNERT, E., and MÖHRING, H. K. Die gärtnermeisterprüfung. Ed. 6, rev. Berlin, Parey, 1950. 295 p. 90 B638

57609 BONE, MRS. S. M. Rose care. Ark. Gard. 11(2):4, 8. Spring 1951. 80 Ar42

57610 BOTLY, A. L. Rose growing in northwestern Ontario. Rose Soc. Ontario. Ybk. 1950:58-60. 82 R72

57611 BRITISH DELPHINIUM SOCIETY. Year book, 1951. Crawley, Sussex, 1951. 64 p. 84 B774

57612 BROEN, M. El Norte es ideal para cultivar Amaryllis. Mundo Agr. 2(19):29-30. Dec. 1950. 9 M92

57613 BURNHAM, D. R., and JOHNSON, E. W. Shrubs for northeastern New Mexico. N. Mex. Agr. Col. Ext. B. 358, 28 p. Nov. 1950. 100 N465

57614 CAMPO FRANCES, A. DEL. El paisaje y sus alteraciones. In Congreso Internacional de Arquitectura Paisajista. 2, Madrid, 1950. [Addresses presented], p.12-17. Ref. Madrid? 1950? 98.9 C762

57615 CHAPLIN, P. A hundred-and-one jobs waiting to be done. Grower [London] 35:1110. June 2, 1951. 286.83 M34

Carnation culture.

57616 CLARKE, M. Growing primroses for fun. Sunday Oregonian, Farm, Home, Gard. 1951:6. Apr. 8, 1951. 6 Su7

57617 CLINCH, F. A. African violets have wide popularity; steps in growing them from seeds are traced in detail. Farm & Gard. [Watertown] 1951:11. Apr. 14, 1951. 6 F234

57618 CLINCH, F. A. Flower catalogues brought to life in garden. Farm & Gard. [Watertown] 1951:5. Apr. 21, 1951. 6 F234

Flower varieties.

57619 CLOWER, T. S., and CLOWER, MRS. T. S. The Clower seedlings. Amer. Camellia Ybk. 1950:117-120. 97.31 Am32

57620 CONGRESO INTERNACIONAL DE ARQUITECTURA PAISAJISTA. 2, MADRID, 1950. [Addresses presented; and list of members]. Madrid? 1950? 63 p. 98.9 C762

57621 CORLISS, P. G. Hemerocallis, the perennial supreme. San Francisco, 1951. 172 p. 96.46 C81

57622 CURTIS, C. H. New plants of 1950. Roy. Hort. Soc. J. 76:148-159. May 1951. 84 L84J

- 57623 DAVIS, M. R. Timely tips for the perennial border. *Green Thumb* [Denver] 8(6):10-11. June 1951. 80 C82
- 57624 DEAN, R. Some notes on the Hong Kong Camellias. *Amer. Camellia Ybk.* 1950:71-75. 97.31 Am32
- 57625 DEAUX, E. La moisson des fleurs en été. *Réveil Agr.* 60:87. Mar.15,1951. 14 R322
- 57626 DECKER, J. More on resurrection plants. (In Portuguese.) *Chacaras e Quintais* 83:446-448. Apr.15, 1951. 9.2 C34
- Selaginella convoluta.*
- 57627 DE GRAAFF, J. Hardy new hybrid lilies. *Farm J.* 75(6):108-109,121-123. June 1951. 6 F2212
- 57628 DETJEN, L. R. Pruning ornamental plants. *Del. U. Agr. Ext. B.* 52,16 p. Jan.1951. 275.29 D37
- 57629 DITTMAN, W. J. The North American Gladiolus Registry. No. Amer. Gladiolus Council. B. 25:45, 47,49,51,53,55,57. Mar.1951. 96.43 N81
- 57630 DOORENBOS, J., and BOER, M. Some notes on the origin of the varieties of *Cyclamen persicum* grown commercially in the Netherlands. (In Dutch.) *Netherlands Dir. van de Tuinbouw. Meded.* 14:8-14. Ref. Jan.1951. 86 N384
- English summary.
- 57631 EDMUNDS, S. H. Plant patents. *Amer. Camellia Ybk.* 1950:227-233. 97.31 Am32
- 57632 EDRIDGE, T. G., and others. Britain's Festival gardens. *Gard. illus.* 68:136-139. May 1951. 80 G169
- J. Curl, F. Hanger, and A. J. Huxley, joint authors.
- 57633 ELLIOTT, C. Roses as room plants. *Countryman* [Burford] 43:392. Summer 1951. 281.28 C832
- 57634 ELLIS, C. K. Ericas are valuable shrubs in the flower garden. *New Zeal. J. Agr.* 82:285,287. Mar. 1951. 23 N48J
- 57635 ELLIS, C. K. Rock gardens. *New Zeal. J. Agr.* 82:257,259-263,265. Mar.1951. 23 N48J
- 57636 ENE DE PIRO, M. Plantes grasses: les Euphorbes. *Réveil Agr.* 60:22. Jan.15,1951. 14 R322
- 57637 FERRIDAY, E. C., JR. Wonderland in Longwood Gardens. *Natl. Geog. Mag.* 100:45-64. July 1951. 470 N213
- 57638 FLYNN, J. F. How to grow and keep a better lawn. New York, Simon and Schuster, 1951. 75 p. 97.6 F67
- 57639 FOGG, H. G. W. Himalayan poppies. *Countryman* [Burford] 43:389-390. Summer 1951. 281.28 C832
- Meconopsis.*
- 57640 GAUTHIER, H. J. Raising water lilies. *New Eng. Homestead* 124(5):11,18. Mar.10,1951. 6 N442
- 57641 GICK, R. Greenhouse Camellia culture. *Amer. Camellia Ybk.* 1950:193-200. 97.31 Am32
- 57642 GILLHAM, G. W. Longer life to cut flowers. *Poultry Farmer* [Sydney] 18(33):22-23. Feb.17,1951. 280.28 Or32
- 57643 GINNS, R. Cacti in bloom. *Natl. Cactus & Succulent J.* 6:10-11. Mar.1951. 450 N21
- 57644 GIVEN, A. M. Chrysanthemums in Kodiak, Alaska. *Natl. Chrysanthemum Soc. B.* 7:20-21. Mar.1951. 96.519 Ea7
- 57645 GRAF, A. B. Modern foliage plants. I-II. *Florists' Rev.* 108(2793):17-19;(2794):19-20,44-45. June 7-14,1951. 80 W41
- 57646 GRAVES, G. Verschaffelt's Nouvelle Iconographie des Camellias. *Amer. Camellia Ybk.* 1950:288-298. 97.31 Am32
- 57647 GRAY, W. Vegetative propagation of Vandas. *Orchid Digest* 15:70. Mar./Apr.1951. 80 Or172
- 57648 GRAY, W. L. Large ones can be grafted. *Amer. Camellia Ybk.* 1950:233-236. 97.31 Am32
- 57649 GREW, R. D. Notes on species roses. *Horticulture* 29:223. June 1951. 80 H787
- 57650 GURIE, A. Lawns, their construction and upkeep. London, "News Chronicle" P., 1950? 72 p. 97.6 G96
- 57651 GUZZINI, D. Christmas and New Year's flowers. (In Italian.) *Mondo Agr.* 1(27):5. Dec.31,1950. 16 M74
- Italy.
- 57652 HACKENBERG, F. Mehr hecken in unserer Landschaft. *Unser Wald* 3(9):9-10. Sept.1950. 99.8 Un7
- 57653 HAGER, F. D. History of an amateur's first Cymbidium. *Orchid Digest* 15:53-55. Mar./Apr.1951. 80 Or172
- 57654 HAMBLIN, S. F. Vernal Iris. *Amer. Rock Gard. Soc. B.* 9:23-24. Mar./Apr.1951. 81 Am342
- 57655 HARDY, J. Carnations under glass. *Nurseryman & Seedsman* 112:756-758. (Cont.) Mar.8,1951. 80 N933
- 57656 HARDY, J. Flower production for market (some major crops). London, Lockwood, 1950. 210 p. 96.04 H222
- 57657 HARKNESS, B. Know them and use them, summer-flowering shrubs. *Horticulture* 29:218-219. June 1951. 80 H787
- 57658 HARLOW, R. C. My favorite rock plants. *Horticulture* 29:215,226. June 1951. 80 H787
- 57659 HARP, H. P. Shrubbery should frame your house and garden. *Farm & Ranch Rev.* 47(5):26-27. May 1951. 7 F223
- 57660 HARRIS, W. B. A living fence; *Rosa multiflora* requires long-term and is only for those who are long-term planners. *New Eng. Homestead* 124(5):38-39. Mar. 10,1951. 6 N442
- 57661 HAWORTH-BOOTH, M. The Hydrangeas. London, Constable, 1950. 185 p. 97.31 H31H
- 57662 HELLYER, A. G. L. Have roses lost their scent? *Country Life* [London] 109:1793. June 8,1951. 80 C83
- 57663 HELLYER, A. G. L. A garden on the grand scale. *Country Life* [London] 109:1552,1555,1557. May 18,1951. 80 C83
- Sheffield Park.
- 57664 HELLYER, A. G. L. Marvels of the Chelsea Show. *Country Life* [London] 109:1720-1721. June 1,1951. 80 C83
- 57665 HEMERLIN, BARON S. A. El arte paisajista de Escandinavia. In *Congreso Internacional de Arquitectura Paisajista*. 2, Madrid, 1950. [Addresses presented], p.19-21. Madrid? 1950? 98.9 C762
- 57666 HERSEY, J. Today's window garden. *Gard. J.* 1:1-2. Jan./Feb.1951. 80 G1635
- 57667 HERTRICH, W. Palms and cycads, their culture in southern California as observed chiefly in the Huntington Botanical Gardens. San Marino, Calif., 1951. 141 p. Ref. 452.3 H44
- 57668 HEUTTE, F. Norfolk's [Virginia] Bureau of Parks looks to its Camellias. *Amer. Camellia Ybk.* 1950:284-287. 97.31 Am32
- 57669 HIGDON, M. F. Dr. Nurseryman and "Camellia-itis." *Amer. Camellia Ybk.* 1950:274-279. 97.31 Am32
- 57670 HILL, J. Camellias in and around Washington, D. C. *Amer. Camellia Ybk.* 1950:168-171. 97.31 Am32
- 57671 HOAK, C. M. Some 1004 Americans of the Central Atlantic Region. *Natl. Gard.* 22(3/4):18-21. Mar./Apr.1951. 90.32 N21
- 57672 HOLLEY, W. D., and THOMAS, W. D., JR. Condensation of moisture in the greenhouse. *Colo. State Flower Growers Assoc. B.* 13:1-2. Nov.1950. 81 C715
- 57673 HOLLEY, W. D., FARMER, R., and GIBBONS, H. Z. Young plant development studies on Pink Delight [rose]. *Colo. State Flower Growers Assoc. B.* 13:3-5. Nov.1950. 81 C715
- 57674 HOTBLACK, H. S. The ideal Delphinium. *Brit. Delphinium Soc. Ybk.* 1951:30-31. 84 B774
- 57675 HUME, H. H. Guichard Sœurs nursery. *Amer. Camellia Ybk.* 1950:83-84. 97.31 Am32
- 57676 HUNT, A. A. Notes on some old varieties. *Amer. Camellia Ybk.* 1950:152-154. 97.31 Am32
- 57677 HUXLEY, A. J. Greenhouse climbers. *Gard. illus.* 68:163. June 1951. 80 G169
- 57678 HUXLEY, A. J. The "Hollyhock" Delphinium. *Brit. Delphinium Soc. Ybk.* 1951:35-37. 84 B774
- 57679 INGWERSEN, W. The varied charm of Clematis species. *Gard. illus.* 68:164-166. June 1951. 80 G169
- 57680 JARVIS, D. C. The Delphinium from A to Z. *Delphinium News* 1951:5-8. Apr.1951. 80 D38
- 57681 JOHNSON, A. T. Elegant Kalmias. *Gard. illus.* 68:161. June 1951. 80 G169
- 57682 KAMEMOTO, H., and NAKASONE, H. 1950 varietal trials of cut flowers. Hawaii. *U. Agr. Ext. Prog.* Note 63,9 p. Feb.1951. 100 H313P
- 57683 KIDD, M. M. Wild flowers of the Cape Peninsula. Cape Town, Oxford U. Press, 1950. 16 p. 460.46 K53
- 57684 KNOWLES, H. The longevity of American Delphiniums. *Brit. Delphinium Soc. Ybk.* 1951:24-27. 84 B774
- 57685 KOFRANEK, A. M. Variety and timing experiments with hardy mum pot plants for Mother's Day. *Chrysanthemum Soc. Amer. B.* 19(1,i.e.2):11-14. Apr. 1951. 81 C46B
- 57686 LAMMERTS, W. E. Further notes on the *Camellia reticulata* hybrids. *Camellia Rev.* 12(7):3-4,13-16. Apr.1951. 97.31 So82

- 57687 LAMMERTS, W. E. The new *Camellia reticulata* hybrids. Amer. Camellia Ybk. 1950:1-11. 97.31 Am32
- 57688 LEE, H. Hay tamblen ya, como qulen dice, semillas de cesped prefabricado. Mundo Agr. 2(19):104. Dec.1950. 9 M92
- 57689 LOVELOCK, B. The perfect rock garden. Estate Mag. 51:202-203. May 1951. 10 Es8
- 57690 MCKENNEY, G. R. Gladiolus variety parentages, addenda 1951. No. Amer. Gladiolus Council B. 25: 61,63,65. Mar.1951. 96.43 N81
- 57691 MAICHENKO, Z. G. Novinka essential oil rose. (In Russian.) Selek. i Semen. 17(12):73-74. Dec.1950. 61.9 Se5
- 57692 MANLEY, T. R. Test gardens are for the good of the industry. No. Amer. Gladiolus Council. B. 25:83, 85,87,89,91. Mar.1951. 96.43 N81
- 57693 MARGGRAF, M. Das Chrysanthemum, sein formenreichtum und seine kultur. Ed. 4, rev. and enl., by G. Hartmann. Stuttgart, Ulmer, 1950. 72 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 11) 96.519 M33
- 57694 MARTINO ARROYO, J. M. Incorporación de nuevos espacios libres y jardines a la urbanización y reforma del sector antiguo de la ciudad de Barcelona. In Congreso Internacional de Arquitectura Paisajista. 2, Madrid, 1950. [Addresses presented], p.22-27. Madrid? 1950? 98.9 C762
- 57695 MARYLAND. UNIVERSITY. DEPT. OF HORTICULTURE. Culture of the African-violet (*Saintpaulia*). College Park, 1950? 3 p. 96.06 M36
- 57696 MASCARO, T. Park turf. III. Parks & Recreation 34(5):14-15. May 1951. 98.8 P23
- 57697 MATHEWS, R. E. Living beauty within school walls. Natl. Gard. 22(3/4):8-10. Mar./Apr.1951. 90.32 N21
- 57698 MAXEY, MRS. F. L. History of the Temple City Camellia Festival. Amer. Camellia Ybk. 1950:319-321. 97.31 Am32
- 57699 MAYNES GASPAS, C., and MORA GOSCH, E. La vegetación en las pequeñas poblaciones. In Congreso Internacional de Arquitectura Paisajista. 2, Madrid, 1950. [Addresses presented], p.29-32. Madrid? 1950? 98.9 C762
- Spain.
- 57700 MAYS, C. R. An amateur's experience with *Camellia japonica* in the northern *Camellia* belt. Amer. Camellia Ybk. 1950:178-182. 97.31 Am32
- 57701 MAYTROT, W. W. Dahlia cultural instructions. Amer. Dahlia Soc. B. 1951(sup.), 8 p. May 1951. 81 Am322
- 57702 MEALING, H. G., and MEALING, MRS. H. G. Look-Away Gardens Camellias. Amer. Camellia Ybk. 1950:124-133. 97.31 Am32
- 57703 MEHLISCH, K. Gedanken zur stiefmütterchen-zucht. Saatgut-Wirt. 3:10. (Cont.) Jan.1951. 61.8 Sal
- 57704 MEHLQUIST, G. What breeding will do for us. Chrysanthemum Soc. Amer. B. 19(1,i.e.2):33-36. Apr. 1951. 81 C46B
- 57705 MELLO, A. T. DE. Cactus in home decoration. (In Portuguese.) Seleç. Agr. 6(59):25-27. Mar.1951. 9.2 Se4
- 57706 MELLO, A. T. DE. Flowers require-. (In Portuguese.) Seleç. Agr. 6(58):27-30. Feb.1951. 9.2 Se4
- 57707 MILLER, A. Rock garden from road making; a Vermont rock garden made use of local materials with pleasing results. New Eng. Homestead 124(5):29-30. Mar.10,1951. 6 N442
- 57708 MITCHELL, H. V. The gracious lady and Rosebud Farm. Amer. Camellia Ybk. 1950:142-143. 97.31 Am32
- California.
- 57709 MOGABGAB, E. N. Old Camellias of the Gulf Coast. Amer. Camellia Ybk. 1950:145-151. 97.31 Am32
- 57710 MONRAVA LOPEZ, J. M. II Congreso Internacional de Arquitectura Paisajista. In Congreso Internacional de Arquitectura Paisajista. 2, Madrid, 1950. [Addresses presented], p.28. Madrid? 1950? 98.9 C762
- 57711 NAPIER, J. M. A patrarch among Camellias. Amer. Camellia Ybk. 1950:158-161. 97.31 Am32
- 57712 NELSON, I. S. Camellias imported by E. A. McIlhenny. Amer. Camellia Ybk. 1950:30-36. 97.31 Am32
- 57713 NEWBOLD, F. E. Growing Camellias on a porch. Amer. Camellia Ybk. 1950:201-203. 97.31 Am32
- 57714 NIKLITSCHKE, A. Vier allerprächigste. Gärt.-Kur. 6:2-3. Jan.1,1951. 80 G1942
- Ornamentals.
- 57715 NORTH AMERICAN LILY SOCIETY. The lily buyers guide of the North American Lily Society, compiled by R. D. Rappleye. Geneva? N. Y., 1950. 8 p. 96.46 N81L
- 57716 NORTON, R. T. Potting: II. Amer. Orchid Soc. B. 20:348-350. June 1951. 80 Am329
- 57717 NORTON, C. Speaking of peonies. Green Thumb [Denver] 8(6):22-26. June 1951. 80 G82
- 57718 OLIVER, R. W. Herbaceous perennials for Canadian gardens. Canada. Dept. Agr. P. 784,89 p. Nov.1950. 7 C16Pu
- 57719 PAGESCH, E. Neue rosensorten. Gart.-Z. Illus. Flora 74:5-6. Jan.1951. 80 G1991
- 57720 PARRETT, R. C. Azaleas from seed. Gard. Illus. 68:35. May 1951. 80 G169
- 57721 PARRETT, R. C. Modern lupins. Gard. Illus. 68:160-161. June 1951. 80 G169
- 57722 PARRY, J. Gardeners in other places. Green Thumb [Denver] 8(6):28-30. June 1951. 80 G82
- 57723 PEER, M. I. Life before Hollywood; the autobiography of a *Camellia [hongkongensis]* plant. Camellia Rev. 12(7):5-6,17,19. Apr.1951. 97.31 So82
- 57724 PEER, R., and PEER, M. Camellias abroad—1950. Amer. Camellia Ybk. 1950:85-92. 97.31 Am32
- 57725 PEER, R. S. The Camellia and Magnolia Conference of the Royal Horticultural Society. Amer. Camellia Ybk. 1950:92-96. 97.31 Am32
- 57726 PERRY, F. Geums: the good companions. Nurseryman & Seedsman 112:672-673. Mar.1,1951. 80 N933
- 57727 PERRY, R. Water lilies at Burnby Hall. Gard. Illus. 68:132-133. May 1951. 80 G169
- 57728 POND, J. D. Camellias in Vicksburg. Amer. Camellia Ybk. 1950:166-167. 97.31 Am32
- 57729 PRESNER, S. L. How to raise orchids in your home or garden. Coral Gables, Fla., 1950. 12 p. 96.2 P92
- 57730 PRIETO MORENO, F. El jardín doméstico hispano-árabe. In Congreso Internacional de Arquitectura Paisajista. 2, Madrid, 1950. [Addresses presented], p.37-39. Madrid? 1950? 98.9 C762
- 57731 PUCCINI, G. Dutch flowers and perfumes from the "Keukenhof" exposition at the Leida Botanical Garden. IX. (In Italian.) Terra [Firenze] 62(6):3. Feb.11,1951. 6 T274
- 57732 QUINLAN, L. R. Shade trees for Kansas. Kans. Gard. 13:1-3. Feb.1951. 80 K13
- 57733 RAFFILL, C. P. Some interesting Camellias in England. Amer. Camellia Ybk. 1950:99-103. 97.31 Am32
- 57734 REINELT, F. The quest for the red Delphinium. Brit. Delphinium Soc. Ybk. 1951:6-9. 84 B774
- 57735 ROBERTSON, R. M. The germination of sweet peas. Gard. Chron. 129:148. May 12,1951. 80 G162
- 57736 ROSE SOCIETY OF ONTARIO. Year book, 1951. Toronto, 1951. 100 p. 82 R72
- 57737 ROSS, R. I. The Butchart Gardens. Gard. J. 1:7-9. Jan./Feb.1951. 80 G1635
- 57738 RUBIO, N. M. Jardineria y arquitectura turística. In Congreso Internacional de Arquitectura Paisajista. 2, Madrid, 1950. [Addresses presented], p.40-47. Madrid? 1950? 98.9 C762
- 57739 SANTOS, E. Rare orchids. (In Portuguese.) Seleç. Agr. 6(59):21-22. Mar.1951. 9.2 Se4
- Varieties.
- 57740 SANTOS BILONI, J. Una hermosa planta ornamental indígena. Chacra 21(246):20-21. May 1951. 9 C34
- Cleome spinosa.
- 57741 SCHARFF, R. Making terrace and outdoor furnishings. New York, McBride, 1951. 96 p. 97.5 Sch1
- 57742 SCOTT, E. L. 100 favorite mums—N.C.S. popularity poll—1950. Natl. Chrysanthemum Soc. B. 7:6-8. Mar.1951. 96.519 Ea7
- 57743 SELWOOD, A. Root ramblings. Rose Soc. Ontario. Ybk. 1950:41-43. 82 R72
- 57744 SENNELS, N. J. Flower seed novelties. (In Danish.) Frø og Gart. 15:65-68. Dec.1950. 80 F92
- 57745 SENTMAN, H. S. H. V. Wright and the Maryland Gladiolus Society. No. Amer. Gladiolus Council. B. 25:34-35. Mar.1951. 96.43 N81
- 57746 SEWELL, J. N. Planting Camellias: what, when, where and how. Amer. Camellia Ybk. 1950:208-210. 97.31 Am32
- 57747 SHERRARD, D. Camellias—long standing Oregon favorites; flowering shrubs easily propagated by grafts, cuttings. Sunday Oregonian, Farm, Home, Gard. 1951:9. Mar.25,1951. 6 Su7
- 57748 SHEWELL-COOPER, W. E. The English garden; from the most palatial lawn to the humblest herbaceous border, its appeal is in variety. Field 197:688. May 5,1951. 10 F45
- 57749 SHEWELL-COPPER, W. E. Flowers under glass: Saintpaulia is a dainty subject. Fruit-Grower 2881: 935. May 24,1951. 80 F941

- 57750 SHEWELL-COOPER, W. E. Making the most of biennials. *Field* 197:755. May 12, 1951. 10 F45
- 57751 SMALL, L. W. Preview of spring; flower show enthusiasts found much for their pleasure and education at the various spring shows. *New Eng. Homestead* 124(7): 7,46-47. Apr. 14, 1951. 6 N442
- 57752 STEFFAN, F. *Euphorbia fulgens* (E. jaquiniae-flora). *Gart.-Z. Illus. Flora* 74:5. Jan. 1951. 80 G1991
- 57753 STEFFEK, E. F. Scarce *Rhododendron* [R. minus]. *Nat. Mag.* 44:304. June/July 1951. 409.6 N214
- 57754 STEPHENS, T. A. Growing roses in a confused world. *Horticulture* 29:211. June 1951. 80 H787
- 57755 STEVENS, R. F. Propagation of Camellias by cuttings. *Amer. Camellia Ybk.* 1950:246-253. 97.31 Am32
- 57756 STOKES, J. Early occidental Camelliana. I. *Amer. Camellia Ybk.* 1950:47-70. Ref. 97.31 Am32
- 57757 STRYDOM, J. C. *Gladioli*. *Farming So.* Africa 26:95-98, 100. Mar. 1951. 24 S0842
- 57758 SWIM, H. C. A preliminary report on some American Camellia hybrids. *Amer. Camellia Ybk.* 1950: 113-114. 97.31 Am32
- 57759 TABOR, G. Making a garden of perennials. *New York, McBride*, 1951. 96 p. 97.42 T11
- 57760 TASSOTTI, D. Arquitectura y urbanistica en relacion con el jardin y el paisaje. In *Congreso Internacional de Arquitectura Paisajista*. 2, Madrid, 1950. [Addresses presented], p.48-51. Madrid? 1950? 98.9 C762
- 57761 THOMAS, G. S. Kiftgate Court, a garden of colour. *Roy. Hort. Soc. J.* 76:159-165. May 1951. 84 L84J
- 57762 THOMAS, I. A. A different dry wall. *Amer. Rock Gard. Soc. B.* 9:21-22. Mar./Apr. 1951. 81 Am342
- 57763 THOMPSON, R. T. The Covina-Azusa-Glendora Camellias. *Amer. Camellia Ybk.* 1950:134-141. 97.31 Am32
- 57764 THOMPSON, R. T. Eight new Camellias from the West Coast. *Amer. Camellia Ybk.* 1950:144-145. 97.31 Am32
- 57765 TOMPKINS, S. S. Bare-rooted Camellias. *Amer. Camellia Ybk.* 1950:206-208. 97.31 Am32
- 57766 TOWNSEND, R. B. Southern California Camellia Garden. *Amer. Camellia Ybk.* 1950:280-284. 97.31 Am32
- 57767 TRAVERSO, O. Palms in the landscape and their culture in Italy. (In Italian.) *Gior. di Agr.* 61:141-142. May 6, 1951. 16 It1G
- 57768 TURNER, MRS. L. The Camellia city of the South [Thomson, Georgia]. *Amer. Camellia Ybk.* 1950: 162-165. 97.31 Am32
- 57769 VAIL, D. Protecting Camellias. *Amer. Camellia Ybk.* 1950:182-192. 97.31 Am32
- 57770 WAILLY, J. DE. La colaboracion de las artes en el jardin y en el paisaje. In *Congreso Internacional de Arquitectura Paisajista*. 2, Madrid, 1950. [Addresses presented], p.53-63. Madrid? 1950? 98.9 C762
- 57771 WATERHOUSE, E. G. Camellias in Italy. *Amer. Camellia Ybk.* 1950:75-80. 97.31 Am32
- 57772 WELLENSIEK, S. J. An experiment on the seed-growing of Cyclamen. (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 14:15-19. Jan. 1951. 86 N384 English summary.
- 57773 WHEELER, R. L. My experience with Camellia seedlings. *Amer. Camellia Ybk.* 1950:121-124. 97.31 Am32
- 57774 WHITFIELD, J. J. Camellia cottage. *Amer. Camellia Ybk.* 1950:154-158. 97.31 Am32
- 57775 WHITLOCK, R. Tulips in England's Holland. *Field* 197:626-627. Apr. 28, 1951. 10 F45
- 57776 WIBIRAL. Sommerblüher unter den Magnolien. *Obst u. Gart.* 5:142. Sept. 1950. 80 Ob75
- 57777 WIBIRAL, E. Niedrige stauden. *Obst u. Gart.* 5:109-110. July 1950. 80 Ob75
- 57778 WILLIAMS, F. D., and THOMPSON, R. T. Star Nursery Camellias. *Amer. Camellia Ybk.* 1950:37-47. 97.31 Am32
- 57779 WILLIAMS, H. H. Studies on the propagation of Camellia japonica using leaf-bud cuttings and root-inducing substances. *Amer. Camellia Ybk.* 1950:241-245. 97.31 Am32
- 57780 WILSON, J. *Cymbidiums*. *Orchid Digest* 15: 64-65. Mar./Apr. 1951. 80 Or172
- 57781 WILTSHIRE, G. Warning issued against tree butchering. *Sunday Oregonian, Farm, Home, Gard.* 1951: 10. Feb. 4, 1951. 6 Su7
- 57782 WOOD, W. T. The fine art of arranging flowers. *Amer. Camellia Ybk.* 1950:303-305. 97.31 Am32
- 57783 WOODFORDE, E. Camellias. *Countryman* [Burford] 43:390-392. Summer 1951. 281.28 C832
- 57784 WYMAN, D. Shrubs and vines, their care and maintenance. *Gard. J.* 1:10-12. Jan./Feb. 1951. 80 G1635
- 57785 WYMAN, D. Some shrubs for at least two seasons of beauty. *Arnoldia* 11:37-38. May 25, 1951. 451 Ar6Ba
- 57786 YAMAGUCHI, S. Graft-cutting method of propagating Camellias. *Amer. Camellia Ybk.* 1950:238-241. 97.31 Am32
- 57787 YASHIRODA, K. Notes on varieties of Camellia sasanqua. *Amer. Camellia Ybk.* 1950:12-29. 97.31 Am32
- 57788 ZELSMAN, W. C. All year production of Geraniums. *South. Florist & Nurseryman* 64(9):84-86. May 25, 1951. 80 So86

Vegetable and Truck Crops (Including Potatoes)

- 57789 AMERICAN tomato yearbook, 1951. Westfield, N. J., 1951. 36 p. 91.58 Am3
- 57790 ANDEWEG, J. M., and KEULS, M. Praktijk-proeven tomaten 1948-1949. Tomato variety trials 1948-1949. *Inst. v. de Veredeling van Tuinbouwgewassen. Meded.* 20,31 p. Oct. 1950. 86 W12 English summary.
- 57791 ASHTON, J. R. One way of planting tomatoes. *Grower* [London] 35:1099-1100. June 2, 1951. 286.83 M34
- 57792 ATKINS, F. C. The economic duration of cropping. *Mushroom Sci.* 1:24-25. 1950. 80 M972
- 57793 BARRENBRÜGGE. Vermehrung von pflanzkartoffeln in den gesundenlagen des Sauerlandes. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:734. May 17, 1951. 18 L2346
- 57794 BARTON, K. P. Spawning the mushroom bed. *Smallholder* 85(2133):10. Apr. 6, 1951. 10 Sm1
- 57795 BELS, P. J. A comparison of mushroom cultivation in Switzerland, Belgium, England, Holland and Scandinavia. *Mushroom Sci.* 1:9-19. 1950. 80 M972
- 57796 BELS, P. J. Experimental mushroom cultivation. *Mushroom Sci.* 1:41-42. 1950. 80 M972
- 57797 BENDER, E. K. Facts about transplanting tomatoes. *Md. Agr. Col. Ext. Fact Sheet* 18,2 p. Apr. 1951. 275.29 M36FA
- 57798 BENNETT, L. G. Tomato growing profits can be raised. *Fruit-Grower* 2882:538-540. Mar. 22, 1951. 80 F941
- 57799 BLEININGER, S. Die vortelle der häufelkultur im kartoffelbau. *Landwirtschaft* 1951:128-129. Apr. 1951. 19 L235
- 57800 BOISJAN, J. La culture de la tomate à la ferme. *Liberation Paysanne* 8(312):4. May 17, 1951. 14 L61
- 57801 BORGENS, C. M. Raising potatoes. *Dakota Farmer* 71(10):62-63. May 19, 1951. 6 D14
- 57802 BRASHER, E. P. Irish potato variety and strain trials in 1950. *Del. State Bd. Agr. B.* 40(5):32-34. 1951. 2 D37B
- 57803 BURLEY, R. H. Hot weather lima—the Bixby. *South. Seedsman* 14(5):32,40. May 1951. 61.8 So8
- 57804 CAMPACCI, C. A. The problem of onion seed. (In Portuguese.) *Biológico* 17:13-15. Jan. 1951. 442.8 B529
- 57805 CAMPBELL, J. A. Contender outyields other varieties at Truck Crops Station. *Miss. Farm Res. [Miss. Sta.]* 14(3):7. Mar. 1951. 100 M69Mi
- Green bush snap beans.
- 57806 CARMELO, M. The early chickpea of the Catania Plain. (In Italian.) *Tec. Agr.* 2:153-157. Nov./Dec. 1950. 16 T22
- 57807 CAWTHRON INSTITUTE. Tomato research. Annual report for 1949-50. *Cawthron Inst. B.* 59,2 p. 1950. 23 C31C
- 57808 CETTI, G. Considerations on the potato season. (In Italian.) *Campagna* 50(1067):73. May 1, 1951. 16 C152
- Culture in Italy.
- 57809 CHAILLOU, F., and PATISSIER, J. La culture de l'endive. *Potasse* 25:90-92. May/June 1951. 57.8 P84
- 57810 COBB, J. S. Make quality your goal. *Guide Post* 28(5):6. May 1951. 75.8 G94
- Potatoes.
- 57811 DEMPSEY, P. Enjoy good eating in the autumn. *Horticulture* 29:213. June 1951. 80 H787
- Vegetable varieties.
- 57812 DEMPSEY, P. W. Growing early plants. *New Eng. Homestead* 124(7):16,18. Apr. 14, 1951. 6 N442
- Vegetables and flowers.
- 57813 DR. THOMAS W. Whitaker remodels vegetables and melons to fit the needs of western vegetable growers; the field station of the U. S. Department of Agriculture, Bureau of Plant Industry, and Soils is the laboratory where plants are made to order! *West. Grower & Shipper* 22(7): 19-21,49-50. June 1951. 280.38 W52

- 57814 ECKHARDT, J. W. Lima bean variety tests. Del. State Bd. Agr. B. 40(5):24-25. 1951. 2 D37B
- 57815 EDWARDS, R. L. A design for mushroom cropping experiments. Mushroom Sci. 1:39-40. 1950. 80 M972
- 57816 EDWARDS, R. L. Factors affecting comparisons between yields. Mushroom Sci. 1:20-23. 1950. 80 M972
- 57817 EIFRIG, H. Die untersuchung von spinatsamen auf keimfähigkeit. Saatgut-Wirt. 3:15-16. Jan. 1951. 61.8 Sa1
- 57818 FARISH, L. R. The Dixielee pea. Miss. Agr. Expt. Sta. Serv. Sheet 418,2 p. Dec. 1950. 100 M69
- 57819 FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Cucumber production guide. Fla. Agr. Col. Ext. C. 101,6 p.-folder. Mar. 1951. 275.29 F66C
- 57820 FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Pepper production guide. Fla. Agr. Col. Ext. C. 102,5 p.-folder. Mar. 1951. 275.29 F66C
- 57821 FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Snap bean production guide. Fla. Agr. Col. Ext. C. 100,6 p.-folder. Mar. 1951. 275.29 F66C
- 57822 FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Squash production guide. Fla. Agr. Col. Ext. C. 103,6 p.-folder. Mar. 1951. 275.29 F66C
- 57823 FRASER, H. Tomato disorders due to faulty management. Gard. Ilus. 68:170. June 1951. 80 G169
- 57824 GALINAT, W. Hidden treasure in the backyard garden. New Eng. Homestead 124(5):12,16. Mar. 10, 1951. N442
- Open pollinated sweet corn varieties.
- 57825 GAVRILOVA, V. I. Intervarietal crossing in peas. (In Russian.) Selekt. i Semen. 17(12):70-72. Dec. 1950. 61.9 Se5
- 57826 GENERALOV, G. F. Results of variety testing of peas in the East [of U.S.S.R.]. (In Russian.) Selekt. i Semen. 17(12):58-61. Dec. 1950. 61.9 Se5
- 57827 GROENEWEGEN, J. H. Growers, watch the fruit set of your greenhouse tomatoes. (In Dutch.) Groenten en Fruit 6:716. Apr. 5, 1951. 80 G89
- 57828 HAGBERTH, N. O. Potatissorterna i Sverige. Potato varieties in Sweden. Sweden. Lantbrhögsk. Inst. f. Växtodlingslära. Växtodling 5,192 p. 1951. 64.9 Up6 English summary.
- 57829 HAUCK, Erfahrungen aus dem kartoffelbau. Bad. Landwirt. Wchnbl. 118:214. Apr. 7, 1951. 18 B142
- 57830 HAWKINS, A. D. Maine cucumber growers solve their harvesting problem; advocate assigning pickers to same rows throughout season. Mkt. Growers J. 30(6):16-17. June 1951. 6 M34
- 57831 HOARE, A. H. The melon in England. Gt. Brit. Min. Agr. Agriculture 58:24-27. Apr. 1951. 10 G79J Culture and varieties.
- 57832 HOFFMAN, I. C. History of greenhouse vegetable culture; growing field; big future. Mkt. Growers J. 80(4):9-10. (To be cont.) Apr. 1951. 6 M34
- 57833 HOFFMAN, I. C. Want bumper greenhouse tomato crop? Mkt. Growers J. 80(6):20-21. June 1951. 6 M34
- 57834 HOLMBERG, D. M., and MINGES, P. A. Field seeded tomato survey—Yolo County, Calif., 1950. Mkt. Growers J. 80(5):16-17. May 1951. 6 M34
- 57835 HOME GROWN THRESHED PEAS JOINT COMMITTEE. Progress report on field experiments, 1945-1949. Peterborough, England, 1950. 27 p. 60.39 H75P
- 57836 HUFFINGTON, J. M. Growing cucumber crops for pickling. Canner 112(21):11-12. May 26, 1951. 286.83 C16
- 57837 INIGUEZ GARCIA, J. El cultivo de las coles. Tierra [Mexico] 6:535-537,563-567. Oct. 1950. 8 T445 Brassica.
- 57838 INTERNATIONAL CONFERENCE ON SCIENTIFIC ASPECTS OF MUSHROOM GROWING, 1, PETERBOROUGH, ENGLAND, 1950. Proceedings; mushroom science. Peterborough, 1950. 111 p. 80 M972
- 57839 JACKSON, R. L. O. Mushroom growing; a practical manual. London, English U. Press, 1950. 103 p. 91.7 J132
- 57840 JENKINS, J. M., JR. Shallots, North Carolina's newest crop. Res. & Farming [N. C. Sta.] 9(3):8-9. Winter 1951. 100 N81R
- 57841 KAZAKOVA, A. A. Improving the germination of onion seeds. (In Russian.) Selekt. i Semen. 17(12):31-35. Dec. 1950. 61.9 Se5
- 57842 KEHR, A. E. Possibilities unlimited—C5 Red Creole onion 'tops' for cooking, drying, storing. South. Seedsman 14(6):20,48. June 1951. 61.8 So8
- 57843 KENNEY, S. M. A good year for cash crops. New Eng. Homestead 124(9):14-15. May 12, 1951. 6 N442
- Sweet corn culture and marketing.
- 57844 KNAUER, W. Für und wider den gemüsebau. Hannoversche Land- u. Forstwirt. Ztg. 104:62-64. Jan. 20, 1951. 18 H194
- 57845 KÖNNECKE, G. Die sommerpflanzung der kartoffeln. Deut. Landwirt. 2:249-252. May 1951. 18 D4322
- 57846 LAMBERT, E. B. Comments on twenty years of research in mushroom culture. Mushroom Sci. 1:7-8. 1950. 80 M972
- 57847 LEEPER, P. W., BURLESON, C. A., and COWLEY, W. R. Greenwrap tomato variety tests in the Lower Rio Grande Valley, fall 1950. Tex. Agr. Expt. Sta. Prog. Rpt. 1349,4 p. Apr. 2, 1951. 100 T31P
- 57848 LEOPARD, R. K. Growing sweet potatoes. Ala. Farmer 30(5):6,12. Feb. 1951. 276.8 AL1
- 57849 LOBOTSKY, J. Asparagus culture. Mkt. Growers J. 80(4):24-25. Apr. 1951. 6 M34
- 57850 LUGARESI, M. Potato planting. (In Italian.) Romagna Agr. e Zootec. 36(2/3):5-6. Feb. 1951. 16 R66
- 57851 LUNZER, F. Die kultur der morchel im garten. Obst u. Gart. 5:121-122. Aug. 1950. 80 Ob75
- 57852 MCDERMOTT, N. Key for the identification of commercial potato varieties and rogues in the field (United Kingdom). Ed. 2. Sutton, Bonington, 1951. 68 p. 452.35 M14
- 57853 MANN, D. H. Growing potato seed by the carload. Utah Farmer 71:423,443. May 17, 1951. 6 D45
- Growing certified seed potatoes in Utah.
- 57854 MERKER, H. Ist die wärmebehandlung der steckzwiebel noch nicht genügend bekannt? Saatgut-Wirt. 3:10-11. Jan. 1951. 61.8 Sa1
- 57855 MIDDLEBROOK, S., and STOREY, I. F. Observations on cropping in three types of mushroom house. Mushroom Sci. 1:26-34. 1950. 80 M972
- 57856 MOORE, E. L. Oto, Golden Security and Huron lead sweet corn varieties at State College. Miss. Farm Res. [Miss. Sta.] 14(3):1,7. Mar. 1951. 100 M69Mi
- 57857 MORRISON, G. Varieties of onion. Seed World 68(10):42-43,46;(11):54,56,114. May 18-June 1, 1951. 61.8 Se52
- 57858 MURPHY, E. F., and COVELL, M. R. Comparison of tomato varieties for yield, vitamin content and palatability. Maine. Agr. Expt. Sta. Mimeog. Rpt. 20,9 p. May 1951. 100 M28M
- 57859 MUSHROOM RESEARCH ASSOCIATION. Report for year 1950. Yaxley, Peterborough, Eng., 1950. 40 p. 84 Y2
- 57860 NAKAGAWA, Y. Bell pepper production in Hawaii. Hawaii. U. Agr. Ext. C. 302,11 p. Feb. 1951. 275.29 H312Ac
- 57861 NAKAGAWA, Y. Bulb onion culture in Hawaii. Hawaii. U. Agr. Ext. C. 301,14 p. Ref. Feb. 1951. 275.29 H312Ac
- 57862 NAVACCHIA, R., ROSSI, S., and RAVAGLIOLI, T. Spring crops. (In Italian.) Agr. Romagn. 1951(4):1. Feb. 20, 1951. 16 Ag828
- Culture of tomatoes, potatoes, and alfalfa, and fertilizing of sugar beets.
- 57863 NIEMANN, O. Bildungsstätten für super-eliten. Hannoversche Land- u. Forstwirt. Ztg. 103:896-897. Oct. 7, 1950. 18 H194
- Potato breeding.
- 57864 NORWOOD, L. Plymouth County [Massachusetts] directors grow corn in Florida. Farm Bur. Mass. 1951:13-14. Mar. 1951. 275.295 Mass.
- 57865 NOSTI, J. La patata de siembra en España. Spain. Min. de Agr. Serv. de Capacitación y Propag. P. Manuales Téc. 6,214 p. 1949. 15 Sp14
- 57866 PALUDAN, H. The difficulties of mushroom growing in Denmark and their influence on the general success of cultivation. Mushroom Sci. 1:23. 1950. 80 M972
- 57867 PARKER, M. M. New varieties of white potatoes. Del. State Bd. Agr. B. 40(5):29-31. 1951. 2 D37B
- 57868 PARKINSON, A. H. Commercial outdoor production of rhubarb in England. Mkt. Growers J. 80(6):14. June 1951. 6 M34
- 57869 PATISSIER, J. Variétés de pommes de terre. Agriculture [Paris] 15:109-110. Apr. 1951. 14 Ag823
- 57870 PIELEN, L. Die besonderheiten der versuchsanstellung bei der prüfung von gemüsebaulichen sorten und stämmen. Saatgut-Wirt. 3:4-5. (To be cont.) Jan. 1951. 61.8 Sa1

- 57871 PRAILL, F. E. M. Juggling with the spring cropping programme. *Grower* [London] 35:961-962. May 12, 1951. 286.83 M34
Vegetable culture.
- 57872 PROCTER, G. C. The use of glass on small-holdings. *Worcestershire Agr. Chron.* 19:141,143,145, 147,149,151,153. Feb./May 1951. 10 W892
Culture of greenhouse crops.
- 57873 RABSON, R. Eastern States research is making better vegetable crops. *East. States Coop.* 27(6):5-6. June 1951. 280.28 Ea7
Seed production.
- 57874 RAHN, E. M. Performance of new lima bean varieties in 1950. *Del. State Bd. Agr. B.* 40(5):25-29. 1951. 2 D37B
- 57875 READ, F. G. Time-saving technique in cucumber growing. *Smallholder* 85(2133):11. Apr. 6, 1951. 10 Sml
- 57876 REICHELT, K. Fehler und mangel im feld-gemüsebau. *Neue Mitt. f. die Landwirt.* 6:282-283. May 5, 1951. 18 N39
Germany.
- 57877 REYES, J. The culture of cabbage. *Plowman* 7:14-15. Jan./Feb. 1951. 276.8 P72
- 57878 REYNOLDS, J. D. Growing peas for harvesting dry. *Essex Farmers' J.* 30(2):35-36,39. (Cont.) Apr. 1951. 10 Es72
- 57879 RICHAUD, M. Choux-fleurs. *Réveil Agr.* 60:86-87. (Cont.) Mar. 15, 1951. 14 R322
- 57880 RIZZO, C. Cultivation of the tomato in Sicily. (In Italian.) *Lotte Contadine* 2(3):4. Feb. 20, 1951. 16 L91
- 57881 ROSENT, I. La chufa; cultivo e industrializa-ción. *Cult. Mod.* 34:89-90. Mar. 1951. 15 C89
- 57882 RUDOLPH, W. Mechanized production in a Pennsylvania mushroom "mine." *Mkt. Growers J.* 80(6):18-19. June 1951. 6 M34
Culture and merchandising methods.
- 57883 SARAZIN, A. Comparaisons entre le cultures anglaises en maisons et françaises en carrières du champignon de couche. *Mushroom Sci.* 1:20. 1950. 80 M972
- 57884 SCHICK, R. Steigerung der kartoffelerträge im bäuerlichen betrieb. *Freie Bauer* 6(5):5. Feb. 4, 1951. 18 F88
Germany.
- 57885 SCHLOTE. Ewige wahrheiten im kartoffelbau. *Neue Mitt. f. die Landwirt.* 6:278-279. May 5, 1951. 18 N39
Germany.
- 57886 SCHLUGA, N. Gute erfolge mit topinambur auch im Gailltal. *Kärntner Bauer* 101:110-111,114. Mar. 1, 1951. 19 K14
- 57887 SCHOBER, K. Ausdehnung des kartoffelbaues, ein weg zur verringering der futtermittelnot. *Landwirt-schaft* 1951:53-55. Feb. 1951. 19 L235
Austria.
- 57888 SCOTT, L. E., and MOORE, J. E. Bedding sweet potatoes. *Md. Agr. Col. Ext. Fact Sheet* 8,2 p. Mar. 1951. 275.29 M36FA
- 57889 SENNELS. Cauliflower in the searchlight. (In Danish.) *Frø og Gart.* 15:63-65. Dec. 1950. 80 F92
- 57890 SHERBAKOFF, C. D. Sweet potatoes can bring more profits. *Prog. Farmer, Miss.-Ar.-La. Ed.* 66(5):19. May 1951. 6 So81
Cultural practices.
- 57891 SHEWELL-COOPER, W. E. French versus runner beans. *New Health* 26(5):16. May 1951. 449.8 N45
- 57892 SHEWELL-COOPER, W. E. Management of melons; granted warmth and moisture, success lies in knowing how and when to trim the laterals. *Field* 197:639. Apr. 28, 1951. 10 F45
- 57893 STEINECK, O. Die kartoffel—ein geschenk der neuen welt. *Pflug* 4:70-71. Mar. 1951. 19 P48
History.
- 57894 STEINECK, O. Die kartoffelzüchtung und saatzguterzeugung in Holland. *Landwirtschaft* 1951:11-13, 50-52,91-92. Jan.-Mar. 1951. 19 L235
- 57895 STEVENS, R. F., and BENDER, E. K. Vege-table gardens. *Del. U. Agr. Ext. B.* 55,27 p. Apr. 1951. 275.29 D37
- 57896 STEVENSON, F. J. The potato—its origin, cyto-genetic relationships, production, uses and food value. *Econ. Bot.* 5:153-171. Ref. Apr./June 1951. 450 Ec7
- 57897 STRATTON, C. L. Market gardening within city limits. *New Eng. Homestead* 124(5):14-15. Mar. 10, 1951. 6 N442
- 57898 SWINGLE, C. P. New varieties for spring gardens. *Nebr. Elect. Farmer* 5(4):16. Apr. 1951. 335.8 N27
Vegetables.
- 57899 UNDELAND, L. Table of plant distances etc. for some vegetables. (In Norwegian.) *Kolonihagen* 21:9. Feb. 1951. 80 K83
- 57900 UNDELAND, L. Tables on the viability, etc., seed quantities and time of planting for some vegetables. (In Norwegian.) *Kolonihagen* 21:8. Feb. 1951. 80 K83
- 57901 VIEIRA, J. DE C. Tomato culture. (In Portuguese.) *Gaz. do Agr.* 3:34-38. Feb. 1951. 24 G25
- 57902 WARD, N. M. Factores que influyen en la pro-ducción de papas en la Costa Peruana. (Extr.) *Vida Agr.* 28:123-124. Feb. 1951. 9.8 V66
- 57903 WATSON, G. A. Advisory services for mush-room growers in Great Britain. *Mushroom Sci.* 1:35-36. 1950. 80 M972
- 57904 WENZL, H. Zum bevorstehenden kartoffelan-bau: achtung auf fadenkeimige knollen! *Landwirtschaft* 1951:129-130. Apr. 1951. 19 L235
- 57905 WHILLIS, J. Potatoes will repay all the help you can give them. *Smallholder* 85(2133):9. Apr. 6, 1951. 10 Sml
- 57906 WOERMANN, E. Betriebswirtschaftliche fragen der deutschen kartoffelwirtschaft. *Kartoffelwirt-schaft* 4:101-104. Mar. 16, 1951. 286.83 K14
- 57907 ZANTEN, E. VAN. Lettuce in greenhouses and coldframes. (In Dutch.) *Groenten en Fruit* 6:716-717. Apr. 5, 1951. 80 G89

WEEDS AND POISONOUS PLANTS

- 57908 ALLEN, W. W. The story of chemical herbi-cides. *Agr. Chem.* 6(5):45,97-98,101. May 1951. 381 Ag8
- 57909 ARSENAULT, L. Nos amies, les mauvaises herbes. *Foyer Rur.* [Montreal] 10(6):10,20. Mar. 1951. 7 F83
- 57910 BARRONS, K. C., and HUMMER, R. W. Basic herbicidal studies with derivatives of TCA. *Agr. Chem.* 6(6):48-50, 113,115,117,119,121. Ref. June 1951. 381 Ag8
- 57911 BELTON, M. J. Cultivation and chemicals needed for weed control. *Oreg. Farmer* 74:235,271. Apr. 5, 1951. 6 Or32
- 57912 BENFORD, H. Killing grass fast and cheaply. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(5):16. May 1951. 6 P945G
- 57913 BLOOM, A. Declare war on weeds. *Nursery-man & Seedsman* 112:674-675. Mar. 1, 1951. 80 N933
- 57914 CANNON, R. C. Chemical control of weeds in pineapples. *Queensland Prod.* 32(28):19-20. Jan. 10, 1951. 23 Q35
- 57915 CARSTENS, M. W., and EIDE, P. M. Washing-ton weed & insect control. *West. Canner & Packer* 43(5):45-47. May 1, 1951. 286.83 W522
- 57916 CHOUARD, P. Comment employer les "hor-mones" comme désherbants sélectifs dans les céréales? *Agr. Prat.* 115:233-237. May 1951. 14 J82
- 57917 CLAUS, A. Neue unkrautbekämpfungsmittel. *Seifen-Öle-Fette-Wachse* 77:126-129. Ref. Mar. 14, 1951. 307.8 Se4
- 57918 CONNOR, H. E. Poisonous plants in New Zealand. *New Zeal. J. Agr.* 82:173,175,247-248. Feb.-Mar. 1951. 23 N48J
- 57919 DADD, C. Peril for plant and man. *Farmers Wk.* [London] 34(21):56,59. May 25, 1951. 10 F2226
Use of selective weed killers.
- 57920 DESCLAUDE, G. Une question d'actualité; le désherbage chimique des céréales. *Paysan Franç.* 26(400):16,20. Apr. 1951. 14 P29
- 57921 DOWNING, R. Clearing the stream; weed-cutting in rivers is of importance to both anglers and farmers: River Boards should tackle the problem with modern methods. *Field* 197:695. May 5, 1951. 10 F45
- 57922 EFIMOV, A. L. Quarantine dodders [*Cuscuta*] in grasses and legumes and measures for their control. (In Russian.) In *U.S.S.R. Ministerstvo sel'skogo khoz-iaistva. Travoseiānie i semenovodstvo mnogoletnikh trav*, p.615-616. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 57923 ELDER, W. C., and GASSAWAY, J. Chemical control of brush. *Okla. Agr. Expt. Sta. Mimeog. C.* M-218,8 p. Apr. 1951. 100 Ok4M
- 57924 ELDER, W. C. Controlling perennial ragweed to make better pastures. *Okla. Agr. Expt. Sta. B.* B-369, 11 p. Apr. 1951. 100 Ok4
- 57925 ELWELL, H. Brush isn't unbeatable. *Success-ful Farming* 49(6):134,136,138. June 1951. 6 Su12
- 57926 ELWELL, H. M., and COX, M. B. Progress report, 1951: brush control research at the Red Plains Conservation Experiment Station, Guthrie, Oklahoma. *Okla. Agr. Expt. Sta. Mimeog. C.* M-220,7 p. Apr. 1951. 100 Ok4M

- 57927 EMANUELLI, A. J. The use of herbicides. Assoc. de Tec. Azucareros de Cuba. Proc. 23:141-151. 1949. 65.9 As5
- 57928 EVANKO, A. B. Response of *Wyethia* to 2, 4-D. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 98, 7 p. Apr. 1951. 1.9622 N3R31
- 57929 EVERIST, S. L. Hoary cress [*Lepidium draba*] declared a noxious weed. Queensland Agr. J. 72:19-21. Jan. 1, 1951. 23 Q33
- 57930 FOSTER, R. L. A 900-mile brush-killing job. Capper's Farmer 62(6):18, 70. June 1951. 6 M693
- Chemical brush control.
- 57931 FRONDA, F. M. Control of water hyacinth [*Eichhornia crassipes*] in lowland rice fields with herbicides. Agr. & Indus. Life 13(3):30. Mar. 1951. 25 Ag8
- 57932 GALLETI, A. C. Weeds. (In Italian.) Terra [Firenze] 62(20):3. May 20, 1951. 16 T274
- Control.
- 57933 GOODCHILD, N. E. Control of Lantana by cultural methods in the Mackay district. Queensland Agr. J. 72:11-16. Jan. 1, 1951. 23 Q33
- 57934 GOTTWALD, A. U 46 ist ein unkrautbekämpfungsmittel und kein baumspritzmittel. Obstbauversing. Mitt. 1950:69. June 1/15, 1950. 85 J76
- 57935 HES, J. W. The question ofalang grass in rice fields. (In Dutch.) Econ. Weekbl. v. Indonesië 17:180. Mar. 17, 1951. 280.8 Ec76
- 57936 HINTON, E. Let geese pull the grass. Prog. Farmer, Miss.-Ark.-La. Ed. 66(6):26, 93. June 1951. 6 So81
- Control of grass in the strawberry patch.
- 57937 HOLSTUN, J. T., JR. Recommendations for tentative chemical weed control practices for the Delta area. Cotton Gin & Oil Mill Press 52(10):24, 26. May 12, 1951. 304.8 C822
- 57938 HULL, A. C., JR., and VAUGHN, W. T. Controlling big sagebrush [*Artemisia tridentata*] with 2, 4-D and other chemicals. J. Range Mangt. 4:158-164. May 1951. 60.18 J82
- 57939 KIRCHER, W. H. Weed warfare in '51; help-mates of 2, 4-D now make chemical weed control even more effective. Farmer [St. Paul] Gen. Ed. 69(8):9, 25. Apr. 21, 1951. 6 F2211
- 57940 KLINGMAN, G. C. Kill weeds with chemicals instead of plows. Prog. Farmer, Carolinas-Va. Ed. 66(5):16. May 1951. 6 P945
- 57941 LACHMAN, W. H. Weed control in vegetables for 1951. New Eng. Homestead 124(7):14-15. Apr. 14, 1951. 6 N442
- 57942 LEEFE, J. S. Weed control in peas in Nova Scotia. Down to Earth 7:12. Summer 1951. 381 D75
- 57943 LEENDERS, B., and TERPSTRA, P. Weed control in past, present, and future. (In Dutch.) Nieuwe Veldbode 17:388-389. Mar. 8, 1951. 12 V542N
- 57944 LEVARDSEN, N. O. Weed control in Michigan lakes. Mich. Conserv. 20(3):11-14. May/June 1951. 279.9 M582
- 57945 LITTMANN, H. G. Kalkstickstoff - ein zu wenig beachtetes unkrautbekämpfungsmittel. Neue Mitt. f. die Landwirt. 6:283-284. May 5, 1951. 18 N39
- 57946 LOBSTEIN, J. Le désherbage sélectif des céréales. Chambre d'Agr. de Casablanca. B. 22(239):3-5. Mar. 1951. 24 C26
- 57947 MARSHALL, E. R. Killing weeds in seeded grains. Amer. Agr. 148:272. May 5, 1951. 6 Am3
- 57948 MIEGE, E. A propos du désherbage sélectif. Inform. Marocaine 527:1, 3. Feb. 17, 1951. 281.8 In3
- 57949 MORAIS, A. DE M. The use of 2, 4-D as selective herbicide in *Coffea arabica* and *Theobroma cacao* plantations. (In Portuguese.) Agros [Lisboa] 34:85-88. Jan./Feb. 1951. 15.5 Ag82
- 57950 NALIVAİKO, G. Quack grass [*Agropyron repens*] and its control. (In Russian.) In Reverdatto, V. V., ed. Voprosy travopol'noi sistemy zemledeliya v Zapadnoi Sibiri, p. 164-183. Novosibirsk, 1950. 33.31 R32
- 57951 PEEVY, F. A. New poisons for undesirable hardwoods. J. Forestry 49:450. June 1951. 99.8 F768
- 57952 PEGLIION, V. Control of *Cuscuta*. I-II. (In Italian.) Mondo Agr. 2(8):1-2; (11):3. Feb. 25, Mar. 18, 1951. 16 M74
- 57953 PESCOTT, E. E. The menace of the mesquite. Westralian Farmers Co-op. Gaz. 20:191-192. Mar. 1951. 280.28 W522
- 57954 PETERSEN, H. I. The Danish Institute for Weed Research 1949. (In Danish.) Tidsskr. f. Planteavl 54:336-342. 1951. 11 T439
- English summary.
- 57955 POLETAEF, N. Progrés récents dans la lutte chimique contre les mauvaises herbes. Tunisie Agr. 52:31-40. Ref. Feb. 1951. 24 T832
- 57956 RAYNER, H. J. W. Using geese in strawberry production. Del. State Bd. Agr. B. 40(5):90-92. 1951. 2 D37B
- For crabgrass control.
- 57957 READ, H. New weed threatens Cornbelt. Successful Farming 49(6):94, 96-97. June 1951. 6 Su12
- Alopecurus*.
- 57958 REISINGER, E. Erfolge mit der hormonalen unkrautbekämpfung in Kärnten. Kärntner Bauer 101:244-246. May 1, 1951. 19 K14
- 57959 REYNOLDS, J. D. Fewer weeds mean more peas. Farmer & Stock-Breeder 65(3214):85-86. May 29, 1951. 10 F228
- 57960 ROSELLA, E. Il faudra lutter contre les mauvaises herbes dans les céréales. Prog. Agr. et Vitic. 1951:254-259. May 6/13, 1951. 14 P94
- 57961 SCHNITZER, A. Kampf dem unkraut. Allgäuer Bauernbl. 19:137-138. Mar. 15, 1951. 18 AL53
- 57962 TEMPANY, H. A. Imperata grass a major menace in the wet Tropics. World Crops 3:143-146. Apr. 1951. 281.8 W892
- 57963 TILEMANS, E. La lutte chimique contre les mauvaises herbes. Parasitica 6:63-74. 1950. 464.8 P21
- 57964 TINDALL, C. What chemical brush killers can do. Mo. Rur. 92(7):8-9, 35. Apr. 14, 1951. 6 R8891
- 57965 WALCOTT, A. More sugar beets through grass control with TCA. Cent. Exch. Messenger 6(3):12-13. May 1951. 280.28 C33
- 57966 WARDEN, R. L. Montana ranks first in chemical control of weeds. Mont. Farmer-Stockman 38(15):3, 35. Apr. 1, 1951. 6 M764
- 57967 WASHINGTON STATE COLLEGE. EXTENSION SERV. Weed control in Washington. Wash. State Col. Ext. Mimeog. 1004, 7 p. 1951? 275.29 W27M1
- 57968 WIEDE, W. Unkrautbekämpfung auf dem grünland. Landwirtsch. Weser-Ems 98:364-365. Apr. 26, 1951. 18 L2345
- 57969 WOOD, H. E., and others. Steps toward effective weed control. Manitoba. Dept. Agr. & Immigr. P. 238, 15 p. Feb. 1951. 275.29 M313
- P. J. Olson, G. L. Shanks, and H. A. Craig, joint authors
- 57970 ZIMMERMAN, W. E. New herbicides bring weed-free turf closer. Seed World 68(7):17, 46. Apr. 6, 1951. 61.8 Se52

MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, Etc.)

- 57971 BARDI, E. Hamamelis. (In Italian.) Riv. Ital. Essenze, Profumi, Piante Officiali-Olii Veg., Saponi 33:164-168. Ref. Apr. 15, 1951. 308.8 R52
- Includes botany and chemistry.
- 57972 BARRIA GRIMALDO, F. H. Estudio botánico y características del cascalote; la nomenclatura científica que corresponde a esta planta, es la siguiente: especie: *Caesalpinia coriaria*; nombre vulgar: cascalote o divi-divi; sub-familia: *Caesalpiniaceae*; familias: *Leguminosae*. Rev. de Agr. Com. e Indus. [Panama] 9(113/114):26-27. Jan./Feb. 1951. 8 R3291
- 57973 BEEBE, C. E., and GREER, S. R. Successful tung farming. Gulfport, Miss., Tung World Pub., 1951. 42 p. 77 B39
- 57974 BENNETT, H., BROWN, E., and ISLIP, H. T. *Licania mollis* and *L. venosa* fruits from British Guiana. Colon. Plant & Anim. Prod. 1:232-236. 1950. 472 C71
- For oil.
- 57975 BISSON, R. Influence de la fumure et de la taille de formation sur la production du théier. Agron. Trop. 6:115-145. Mar./Apr. 1951. 26 Ag86
- 57976 BISWAS, K. Introduction of "cow tree" [*Brosimum utile*] in India. Sci. & Cult. 16:195-198. Nov. 1950. 475 Sci24
- 57977 BLANCO MACÍAS, G. La producción de la mez "tung." Assoc. Gen. de Agr. B. 293:6-7. Apr. 30, 1951. 8 As52
- 57978 BRACHMANN, G. Noch einmal: die süsse eberesche! Obst u. Gart. 5:120-121. Aug. 1950. 80 Ob75
- Sorbus aucuparia*.
- 57979 BURCHARDT, A., and JORGENSEN, H. El cacao ecuatoriano. Assoc. Gen. de Agr. B. 293:4. Apr. 30, 1951. 8 As52
- Culture.
- 57980 CARLETON, T. The cascara tree [*Rhamnus purshiana*]; a valuable medicinal specimen native to British Columbia is disappearing because of bad harvesting practices. Country Guide 70(5):54-55. May 1951. 7 G76
- 57981 CHAPMAN, V. J. Seaweeds and their uses. London, Methuen, 1950. 287 p. 461.4 C36S

- 57982 CHATTERJEE, D. Cow tree [*Biosimum utile*]. Sci. & Cult. 16:116-117. Sept. 1950. 475 Sci24
- 57983 CLARKSON, R. E. A little culinary herb garden. Herb Grower Mag. 65:98-105. Spring 1951. 80 Am316
- 57984 CLARKSON, R. P. The chemist's garden. Herb Grower Mag. 5:27-33. Feb./Mar. 1951. 80 Am316
- 57985 CUNHA, J. F. DA. Clove. (In Portuguese.) Soc. Rur. Bras. Rev. 30(361):51-54. Dec. 1950. 9.2 B733
- 57986 DIJK, G. VAN. East monsoon tea sowing. (In Dutch.) Bergcultures 20:145,147. Apr. 16, 1951. 22.5 B45
- 57987 EMDEN, J. H. VAN. On the vegetative propagation of the teaplat. (In Dutch.) Arch. v. de Theecult. 17:113-141. Ref. Dec. 1950. 68.18 Ea72
- English summary.
- 57988 ENTRES, K. Bitterklee. *Menyanthes trifoliata* L. Obst u. Gart. 5:159-160. Oct. 1950. 80 Ob75
- 57989 ENTRES, K. Bittersüss (*Solanum dulcamara* L.) Obst u. Gart. 5:142-143. Sept. 1950. 80 Ob75
- 57990 ENTRES, K. Faulbaum (*Rhamnus frangula* L.). Obst u. Gart. 5:110-111. July 1950. 80 Ob75
- 57991 ENTRES, K. Heildistel. (*Cnicus benedictus* L.) Obst u. Gart. 6:15. Jan. 1951. 80 Ob75
- 57992 ENTRES, K. Spitzwegerich. *Plantago lanceolata* L. Obst u. Gart. 5:174-176. Nov. 1950. 80 Ob75
- 57993 FLACCIO, E. A useful plant: *Acacia horrida*. (In Italian.) Mezzogiorno Agr. 7(8):3-4. Feb. 25/Mar. 3, 1951. 16 M57
- Culture.
- 57994 FOSTER, G. B. Lemon basil [*Ocimum vulgare*] is not new. Herb Grower Mag. 5:42-44. Feb./Mar. 1951. 80 Am316
- 57995 FOSTER, G. B. Sowing fine seed. Herb Grower Mag. 5:54-57. Feb./Mar. 1951. 80 Am316
- 57996 FROST, SISTER M. Notes on Shaker herbs and herbalists. Herb Grower Mag. 65:86-94. Spring 1951. 80 Am316
- 57997 GIZYCKI, F. VON, and HERRMANN, H. Untersuchung des krautes von *Daucus carota* L. Arch. der Pharm. 284:8-13. 1951. 396.8 Ar2A
- 57998 GUTIERREZ, H. P. El cultivo del lúpulo en el país. Soc. Rur. Argentina. An. 85(2):37-41. Feb. 1951. 9 Sol
- 57999 GUZZINI, D. The chicories. (In Italian.) Mondo Agr. 2(6):5. Feb. 11, 1951. 16 M74
- 58000 HIGBEE, E. Las plantas productoras de rotenona en la América Latina. Asoc. Gen. de Agr. B. 293:8. Apr. 30, 1951. 8 As52
- 58001 HOERNER, G. R. Experimental work with hops: objectives and progress. Hopper 8(1):4-5. Apr. 1951. 70.8 H77
- 58002 HORSFIELD, M. Medicinal herbs. Veg. News 30(271):13-14. Spring 1951. 389.8 V523
- 58003 KIRBY, R. H. Seaweeds in commerce. Colon. Plant & Anim. Prod. 1:183-216. 1950. 472 C71
- 58004 LABRIGIO, J. La cardencha. Chacra 21(246):44. May 1951. 9 C34
- 58005 LAMB, J. Tea research in Ceylon. 2. Coffee & Tea Indus. 74(6):65-66. June 1951. 389.8 Sp4
- Culture.
- 58006 LATIF, M. Imlí (*Tamarindus indica*—its uses and composition. Punjab Fruit J. 14(48):23-25. Apr./July 1950. 80 P962
- 58007 LAVERY, G. L. A hedge of lavender. Horticulture 29:233. June 1951. 80 H787
- 58008 LAYCOCK, D. H. An experiment on methods of pruning and length of pruning cycle. Nyasaland Agr. Q. J. 9:75-84. July 1950, pub. Mar. 1951. 24 N983
- Experiments in pruning tea in Nyasaland.
- 58009 LAZZARO, G. Let us evaluate the carob. (In Italian.) Tec. Agr. 2:135-139. Nov./Dec. 1950. 16 T22
- 58010 LIBOWITZKY, J. A. Der elsbeerbaum. Obst u. Gart. 5:137-138. Sept. 1950. 80 Ob75
- 58011 LUGARD, J. G. Selección en general y en especial selección del café en Java. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 13:40-46. Jan. 1951. 68.29 C332
- 58012 LUSTIG, E. Das obst des gebirges - die süsse nährliche eberesche. 1 - 2. Obst u. Gart. 5:166-167, 84-185. Nov.-Dec. 1950. 80 Ob75
- Sorbus aucuparia*.
- 58013 MALANDRINO, E. The use of plant hormones in the cultivation of drug plants. (In Italian.) Riv. Ital. Essenze, Profumi, Pianta Officinali-Olii Veg., Saponi 33:65-69, 126-128. Feb. 15-Mar. 15, 1951. 308.8 R52
- 58014 MANFREDINI, E. G. Invitation to the study of Melissa. (In Italian.) Riv. Ital. Essenze, Profumi, Pianta Officinali-Olii Veg., Saponi 33:169-172. Ref. Apr. 15, 1951. 308.8 R52
- 58015 MANSHOLT, R. J. The culture of caraway seed. (In Dutch.) Nieuwe Veldbode 17:487. Apr. 12, 1951. 12 V542N
- 58016 MARTINS, M. M. The planting of coffee on old lands. (In Portuguese.) Soc. Rur. Bras. Rev. 31(365):30. Apr. 1951. 9.2 B733
- 58017 MARVIN, M. Ixbut [*Euphorbia lancifolia*]. Herb Grower Mag. 5:38-41. Feb./Mar. 1951. 80 Am316
- 58018 MEJIA LIEVANO, E. La producción de cacao. Rev. Agr. y Ganad. 13(132):25-26. Jan. 1951. 9.4 R327
- 58019 MIKLAU, L. Wildsalate. Kärntner Bauer 101:249. May 1, 1951. 19 K14
- 58020 MOLFINO, J. F. Balsamos medicinales. Chacra 21(246):51. May 1951. 9 C34
- 58021 MORGAN, S. Tree pineapple sage [*Salvia splendens arborea*]. Herb Grower Mag. 5:9-11. Jan. 1951. 80 Am316
- 58022 MULLINS, D. Teasel [*Dipsacus fullonum*] growing, an ancient practice. World Crops 3:146-147. Apr. 1951. 281.8 W892
- 58023 NETO, P. C. Restoration of coffee culture. I. (In Portuguese.) Soc. Rur. Bras. Rev. 31(365):54-55. Apr. 1951. 9.2 B733
- 58024 NETO, P. C. Shading in the restoration of coffee production. (In Portuguese.) Lavoura 54:17-18, 20. Sept./Oct. 1950. 9.2 L39
- Brazil.
- 58025 PANINI, F. Committee for the Experimental Appennine Garden "Esperia." (In Italian.) Riv. Ital. Essenze, Profumi, Pianta Officinali-Olii Veg., Saponi 33:62. Feb. 15, 1951. 308.8 R52
- Promotion of production of drug and aromatic plants.
- 58026 RILEY, G. A. Could the world food crisis be solved by the ocean? (In Italian.) Cron. Econ. 97:38-39. Jan. 1951. 280.8 C882
- Chiefly on plankton.
- 58027 SCOTT, C. Pyrethrum growing in Kenya. African World 1951:18. June 1951. 286.8 Af8
- 58028 SLOOFF, W. C. Present standpoint in regard to the opening of unripe nutmeg [*Myristica*] fruit. (In Dutch.) Landbouw [Bogor] 22:411-415. July/Sept. 1950. 22.5 L23
- 58029 SMIRENSKII, A. A. Experiment in cultivation of aquatic plants in a natural pond. (In Russian.) Priroda 39(12):54-55. Dec. 1950. 410 P933
- 58030 SOETARDI, R. G. The importance of insects in the pollination of *Theobroma cacao* L. (In Dutch.) Arch. v. de Koffiecult. in Indonesië 17:1-31. Ref. Oct. 1950. 68.28 Ar2
- English summary.
- 58031 TANGANYIKA. COFFEE RESEARCH AND EXPERIMENTAL STATION, LYAMUNGU, MOSHI. Fourteenth annual report, 1947. Dar es Salaam, 1950. 37 p. 24 T15P
- 58032 THIRION, F. Le cacaoyer. Bruxelles, 1950. 79 p. 68.3 T34
- Belgian Congo.
- 58033 TOSELLO, A. Experiments in coffee harvesting. (In Portuguese.) São Paulo Supt. dos Serv. do Café B. 26:108-112. (To be cont.) Feb. 1951. 68.29 Sa63
- 58034 TRABAUD, L. Cistus ladaniferus of Provence. (In Italian.) Riv. Ital. Essenze, Profumi, Pianta Officinali-Olii Veg., Saponi 33:173-179. Apr. 15, 1951. 308.8 R52
- 58035 UHLEN, R. Zum hopfenbau. Bas-Rhin Agr. 19:216. May 12, 1951. 14 B29
- 58036 UPHOF, J. C. T. Cultivo y cura de la pimienta. Bolsa de Cereales, Buenos Aires. Rev. 38(1988):22, 24; (1989):2, 4, 6, 22-24; (1990):22, 24. (Cont.) Mar. 29-Apr. 12, 1951. 287 B866
- 58037 VALENTINE, C. I. A yard of herbs. Herb Grower Mag. 5:34-37. Feb./Mar. 1951. 80 Am316
- 58038 VENEZUELA. DIRECCIÓN DE AGRICULTURA. La agricultura en el territorio Amazonas; explotación del seje (*Jessenia bataua*) palmera oleaginosa, por L. Sirotti y G. Malagutti. Caracas, 1950. 103 p. 31.9 V554A
- 58039 WAGEMANN W., G. Posibilidad de cultivar la yerba mate en Chile. Campesino [Santiago] 83(3):71-73. Mar. 1951. 9.3 Sol2
- 58040 WEBB, MRS., A. Grow your own herbs. Farmers Wk. [London] 34(21):78. May 25, 1951. 10 F2226
- 58041 WEIXLBAUMER, R. Von unseren heimischen heilkräutern. Obst u. Gart. 5:125. Aug. 1950. 80 Ob75
- 58042 WOOD, A., JR. Indian adventures in good eating. Horticulture 29:226. June 1951. 80 H787
- Wild food plants.
- 58043 WYCKOFF, L. J. Producing lavender oil in the Puget Sound District. Herb Grower Mag. 65:67-82. Spring 1951. 80 Am316

58044 ZIEGET, MRS. J. The herb garden at Cedar Grove. *Herb Grower Mag.* 65:95-97. Spring 1951. 80 Am316

58045 ZNAMENSKIĬ, L. N. Phacelia [honey plant] on a drained peat bog. (In Russian.) *Pchelovodstvo* 27:689-690. Dec.1950. 424.8 P295

SOILS AND FERTILIZERS

SOIL SCIENCE

58046 BONNET, J. A., and LUGO LOPEZ, M. A. Aids used in interpreting soils data at the University of Puerto Rico. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.98-103. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3*

58047 BONNET, J. A. Comment on Puerto Rico soils. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.201-202. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3*

58048 BURINGH, P. The soil of Gelderland. III-IV. (In Dutch.) *Gelders Landbbl.* 14(16):12;(18):12. Apr.21, May 5, 1951. 12 G282

58049 FERRIERE, P. J. J. F. DE. Aux Pays-Bas: technique agricole et science du sol. *Potasse* 25:62-64. Apr.1951. 57.8 P84

58050 HARDY, F. The present state of soil knowledge in the British Caribbean region. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.184-189. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3*

58051 MACAULAY INSTITUTE FOR SOIL RESEARCH. Annual report, 1949-1950. *Craigiebuckler, Aberdeen, 1950. 48 p. 56.9 M11A*

58051 RUSSELL, E. W. A hundred years of soil research [Great Britain]. *Gt. Brit. Min. Agr. Agriculture* 58:69-75. May 1951. 10 G79J

58052 SOILS CONFERENCE, PUERTO RICO, 1950. Soil science in the Caribbean; report. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 265 p. Ref. 56.09 So3

58053 UCHIYAMA, N. Dojo chosa-ho [Method of soil investigation]. Tokyo, Asakura Shoten, 1950. 224 p. (Shin Nogyozencho 6) 22.5 Sh66

58054 VERHOOG, J. M. Soils problems of Surinam. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.193. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3*

58055 VLEIGHERE, R. DE. Soil research in a valley of Hageland. (In Flemish.) *Agricultura [Louvain]* 49:25-45. Ref. Apr.1951. 13 R32

French summary.

Soil Physics

58056 ALEIXANDRE FERRANDIS, V., and GARCIA VERDUCH, A. Relaciones entre algunas propiedades físicas, químicas y técnicas de las arcillas. I. *An. de Edafología y Fisiol. Veg.* 9:537-565. Sept./Oct.1950. 506 Sp12

English summary.

58057 BETHLAHMY, N. An alinement chart for use with the fibreglas soil-moisture instrument. *Soil Sci.* 71:377-380. May 1951. 56.8 So3

58058 GRADOBOEV, N. D. Structure of forest-steppe and steppe soils of Middle Siberia. (In Russian.) In *Reverdatto, V. V., ed. Voprosy travopol'noi sistemy zemledel'ia v Zapadnoi Sibiri, p.108-127. Ref. Novosibirsk, 1950. 33.31 R32*

58059 JUSCAFRESA, B. Poder absorbente del suelo. *Cult. Mod.* 34:59. Feb.1951. 15 C89

58070 RUSSELL, E. W. Soil structure; its importance in crop production. *Westralian Farmers Co-op. Gaz.* 20:193,195-197. Mar.1951. 280.28 W522

58071 SANGER, A. M. H. Structure and research in structure of soils. (In Dutch.) *Bergcultures* 20:135,137, 139,141,143,145. Ref. Apr.16,1951. 22.5 B45

English summary.

58072 SAUBERER, F. Das licht im boden. *Wetter u. Leben* 3:40-44. Mar.1951. 340.8 W53

58073 SMITH, R. M., and CERNUDA, C. F. Some applications of water-drop stability testing to tropical soils of Puerto Rico. *Soil Sci.* 71:337-345. Ref. May 1951. 56.8 So3

58074 TRIMBLE, G. R. JR., HALE, C. E., and POTTER, H. S. Effect of soil and cover conditions on soil-water relationships. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 39,44 p. Ref. Feb.1951. 1.9622 N2St22

58075 WATSON, J. R., JR., MUSSER, H. B., and JEF-FRIES, C. D. Soil compaction determinations with a soil penetrometer as compared with the Geiger counter X-ray spectrometer. *Agron. J.* 43:255-258. Ref. June 1951. 4 Am34P

Soil Chemistry and Mineralogy

58076 ASKINAZI, D. L., and GINZBURG, K. E. Role of clay minerals of the soil in the absorption of phosphoric acid ions. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:20-48. Ref. 1950. 56.9 P44

58077 BOLOTINA, N. I. On the nitrogen regime in virgin [Chernozem] steppe soils. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:228-249. Ref. 1950. 56.9 P44

58078 BONNET, J. A., LUGO LOPEZ, M. A., and RIERA, A. R. Laboratory methods for soil and plant analysis used in the Agricultural Experiment Station University of Puerto Rico. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.109-115. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3*

58079 BREWER, R. Mineralogical examination of soils developed on the Prospect Hill intrusion, New South Wales. *Roy. Soc. N. S. Wales, J. and Proc.* 82:272-285. Mar.15,1950. 514 Sy24

58080 BURRIEL, F., and HERNANDO, V. El fosforo en los suelos españoles. V. Nuevo metodo para determinar el fosforo asimilable en los suelos. *An. de Edafología y Fisiol. Veg.* 9:611-622. Ref. Nov./Dec.1950. 506 Sp12

English summary.

58081 CAMPANILE, S. Contribution to the knowledge of soluble potassium in soil water. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 27,6 p. 1950. 105.4 R66

English summary.

58082 CAMPANILE, S. The effect of heating the soils on potassium assimilability. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 25,9 p. 1950. 105.4 R66

English summary.

58083 CAMPANILE, S. Rapid determination of exchangeable potassium in the soil by sedimentic process. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 37,11 p. Ref. 1950. 105.4 R66

English summary.

58084 CASTRO, A. H. DE., and LOPEZ GONZALEZ, J. DE D. La adsorción de sudan rojo por bentonitas activadas. *An. de Edafología y Fisiol. Veg.* 9:623-637. Ref. Nov./Dec.1950. 506 Sp12

English summary.

58085 DAVIDSON, D. I., SOWDEN, F. J., and ATKINSON, H. J. Application of paper chromatography to identification and quantitative estimation of amino acids in soil organic matter fractions. *Soil Sci.* 71:347-352. Ref. May 1951. 56.8 So3

58086 DROUINEAU, G., and LEFEVRE, G. Influence du climat méditerranéen sur la teneur en azote minéral dans les sols calcaires. *Acad. d'Agr. de France. Compt. Rend.* 37:200-204. 1951. 14 P215Bc

58087 FRAME, Y. A. Practical, scientific soil testing for farmers, gardeners, flower growers. n.p., 1951. 40 p. 56.42 F84

58088 GATTORTA, G. Nitrogen requirements of wheat shown by a new reagent powder. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 35,4 p. 1950. 105.4 R66

58089 GATTORTA, G. Researches on the determination of available manganese in the soil. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 34,14 p. Ref. 1950. 105.4 R66

English summary.

58090 GERICKE, S. Beziehungen zwischen den wachstumsfaktoren kalk und phosphorsäure. *Z. f. Acker- u. Pflanzenbau* 93:141-168. Ref. Feb.1951. 18 J825

58091 GILLIS, J. El análisis espectroquímico aplicado. *An. de Edafología y Fisiol. Veg.* 10:67-78. Jan./Feb.1951. 506 Sp12

58092 GISIGER, L. Deficiencies of minor elements caused by excesses. *Internat. Union Biol. Sci. [P.] Ser. B, Colloquia* 1:19-30. Ref. 1950. 442.9 Un32S

Chiefly excess of lime.

58093 GOLDSCHMIT, W. B. The total sulphur content of some cultivated lowveld soils and its probable relation to profitable crop production. (Sum.) *So. African J. Sci.* 47:261-262. Apr.1951. 515 So84

58094 HENDERSON, A. F. C. Soil acidity. *Queensland Prod.* 32(29):17-18. Jan.17,1951. 23 Q35

- 58095 HESTER, J. B., ISAACS, R. L., JR., and SHELTON, F. A. How temperature and rainfall affect nitrification of ammonia salts. *Amer. Fert. & Allied Chem.* 114 (5):17-18. May 1951. 57.8 Am3
- 58096 HOFMANN, E., and SEEGERER, A. Die enzyme im boden als faktoren seiner fruchtbarkeit. *Naturwissenschaften* 38:141-142. Mar.31,1951. 474 N213
- 58097 JEFFRIES, C. D. The constituent minerals of soils, their determination and some observations on their occurrence in the soils of Puerto Rico. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.203. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3*
- 58098 JENNY, H. The contact theory of mineral nutrition of plants in soils. (Abs.) *Calif. Fert. Assoc. [Proc.]* 27:19. 1950. 57.9 C122P
- 58099 KADER, G. M. Quantitative microchemical methods of analysis of some components of aqueous and saline soil solutions. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:300-321. Ref. 1950. 56.9 P44
- 58100 KANNENBERG, H. Beobachtungen über bewegung der säuren im hochmoorboden. *Landwirtsbl. Weser-Ems* 1950:1082-1083. Dec.21,1950. 18 L2345
- 58101 KHEIFETS, D. M. Phosphorus reserves in various soils of the Soviet Union. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:5-19. Ref. 1950. 56.9 P44
- 58102 LAZAREV, A. A. Some characteristic chemical properties of gray forest soils under forest and under an agricultural crop [corn]. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:217-227. Ref. 1950. 56.9 P44
- 58103 LEMOS, P. Soil acids. (In Portuguese.) *Selec. Agr.* 6(59):17-19. Mar.1951. 9.2 Se4
- 58104 MARIMPIETRI, L., MORANI, V., and GISONDI, A. Determination of phosphoric anhydride easily assimilable in the soil. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 24.9 p. 1950. 105.4 R66
- 58105 MORTLAND, M. M., and GIESEKING, J. E. Influence of the silicate ion on potassium fixation. *Soil Sci.* 71:381-385. Ref. May 1951. 56.8 So3
- 58106 POCHVENNYI INSTITUT IM. V. V. DOKUCHAEVA. Raboty po agrokhimii [Research in agricultural chemistry]. Moskva, Akademiya Nauk SSSR, 1950. 321 p. (Trudy Pochvennogo Institutu im. V. V. Dokuchaeva. t. 33) 56.9 P44
- 58107 POULSON, E. N., and SWARNER, L. R. What's in a soil? *Oreg. Farmer* 74:280,299-301. Apr.19,1951. 6 Or32
- 58108 PROCOPIO, M. Elementi di chimica agraria; chimica del terreno e dei fertilizzanti [Elements of agricultural chemistry; chemistry of soils and fertilizers], pt. 2. Udine, Del Bianco Editore, 1950. 409 p. 395 P94
- 58109 RAMIREZ ROMERO, G. Bases de cambio extraídas por ácido clorhídrico N/10 y acetato de amonio en suelos del Valle. *Acta Agron.* 1:51-56. Dec.1950. 9.4 Ac8
- 58110 RODRIGUES, G. The clay minerals of British West Indian soil. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.190-192. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3*
- 58111 SANCHEZ CALVO, M. DEL C. La espectrometría infrarroja en el reconocimiento de minerales. *An. de Edafología y Fisiol. Veg.* 9:639-663. Ref. Nov./Dec.1950. 506 Sp12
- 58112 SERDOBOL'SKIĬ, I. P. Effect of soil conditions on conversions of manganese compounds in the soil. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:192-216. Ref. 1950. 56.9 P44
- 58113 VILLERET, S. Recherches sur le rôle du CO₂ dans l'acidité des eaux des tourbières à sphaignes. *Acad. des Sci. Compt. Rend.* 232:1583-1585. Apr.23,1951. 505 P21
- 58114 VOLOBUEV, V. R. Reaction of soils (pH) and climate. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:261-263. Ref. Jan.11,1951. 511 P444A
- 58115 WASHINGTON STATE COLLEGE. EXTENSION SERV. The soil testing program for Washington. *Wash. State Col. Ext. Mimeog.* 1043,2 p. May 1951. 275.29 W27Mi
- 58116 WHITEHEAD, S. B. pH and the gardener. *Gard. Chron.* 129:124. Apr.21,1951. 80 G162
- 58117 WIESE, W. F. G. The potassium-supply of special horticultural soils. (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 13:901-908. Dec.1950. 86 N384
- English summary.
- 58118 WOLF, B. Is your soil sick? Call a doctor! *N. J. Farm & Gard.* 22(5):16-17,32-33. May 1951. 6 G162
- Soil tests and analyses.
- 58119 WORDEN, G. N. Abundance of soil deficiencies. *New Agr.* 33(7):6-7. Apr.1951. 66.8 Su32
- Report on the University of Washington Chemurgy Clinic.
- 58120 YUEN, S. H., and POLLARD, A. G. Applicability of the Morgan test for determining available soil phosphate. *J. Sci. Food & Agr.* 2:199-203. May 1951. 382 So12
- 58121 YUEN, S. H., and POLLARD, A. G. The availability of soil phosphate. II. Comparison of extraction methods. *J. Sci. Food & Agr.* 2:217-224. Ref. May 1951. 382 So12
- ### Soil Biology
- 58122 BAARS, J. K. Microbiological processes in ricefields II. (In Dutch.) *Landbouw [Bogor]* 22:347-356. Ref. July/Sept.1950. 22.5 L23
- English summary.
- 58123 BIBER, V. A., and BOGOLÛBOV, N. S. On the biological activity of soil and peat humic acids. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:313-316. Jan.11, 1951. 511 P444A
- Includes experiment in germination of corn seeds.
- 58124 BOND, G., and MCGONAGLE, M. P. The effectiveness of strains of the nodule organism when associated with different species of clover. *Ann. Appl. Biol.* 38:246-251. Ref. Mar.1951. 442.8 An72
- 58125 BROWNE, F. S. Organic soil management for vegetables. *Canada. Dept. Agr. P.* 853,36 p. Dec.1950. 7 C16Pu
- 58126 CARTER, J. F. Inoculating legume seeds begets better crops. *Mkt. Growers J.* 80(5):14. May 1951. 6 M34
- 58127 CASTAÑO A., J. J. Un ensayo sobre la bondad del suelo estéril como medio para distribución del nitrógeno del *Bacterium radicola* del kudzu tropical. (Sum.) *Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform.* 13:54-56. Jan.1951. 68.29 C332
- 58128 CROSS, G. The farmer's friends in the soil. *London, Longmans, Green, 1950. 40 p. (Tropical Libr. Farming Ser. Book 3)* 56.5 C88
- 58129 FERRY, R. H. The earthworm and the soil. *Discovery* 12:128-129. Apr.1951. 472 D63
- 58130 GEL'TSER, F. I. Importance of inoculation for increasing the productivity of perennial legumes. (In Russian.) In *U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoelanie i semenovodstvo mnogoletnikh trav*, p.160-173. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Experiments with nitragin chiefly.
- 58131 GERBARDT, A., and KÖHLER, R. Biologie des terres arables; stabilité des aggrégats; les bactéries. *Culture* 28:22-24. Apr.1951. 14 C894
- 58132 GIBSON, T. Recent progress in soil bacteriology. *World Crops* 3:139-142. Apr.1951. 281.8 W892
- 58133 GONZALEZ Y GONZALEZ, G. Viabilidad de los esporos de *B. anthracis* en suelos bajo distintas condiciones. *An. de Edafología y Fisiol. Veg.* 9:665-677. Nov./Dec.1950. 506 Sp12
- English summary.
- 58134 GUALBA, C. Importancia de los abonos bacteriológicos. *Cult. Mod.* 34:48. Feb.1951. 15 C89
- Legumes for nitrogen fixation.
- 58135 JAHN, E., and SCHIMITSCHEK, G. Bodenkundliche und bodenzoologische untersuchungen über auswirkungen von waldbränden im hochgebirge. *Österr. Vrtljahresschr. f. Forstw.* 91:214-224. (To be cont.) 1950. 99.8 Oe8
- 58136 LAZAREV, S. F. Soil microorganisms and nutrition of cotton plant. (In Russian.) *Sovet. Agron.* 9:11-17. Jan.1951. 20 So84
- 58137 OTTE, E. A. There is an agricultural frontier in the sky. *Agr. Leaders' Digest* 32(5):31. May 1951. 275.28 Am3
- Legume inoculation.
- 58138 QUACKENBUSH, F. W., CARTER, A. S., and SHENBERGER, L. C. Inspection of legume inoculants. *Ind. Agr. Expt. Sta. C.* 368,7 p. Jan.1951. 100 In2P
- 58139 SEARS, O. H., and LYNCH, D. L. Importance of inoculation. *Soybean Digest* 11(7):15-17. May 1951. 60.38 So9
- 58140 SIMINOFF, P., and GOTTLIEB, D. The production and role of antibiotics in the soil: I. The fate of streptomycin. *Phytopathology* 41:420-430. Ref. May 1951. 464.8 P56
- 58141 STÖCKLI, A. Versuche mit *Azotobacter*-kulturen. *Landwirt. Jahrb. der Schweiz* 56:187-209. Ref. 1951. 17 L23
- Soil inoculation.
- 58142 TRACEY, M. V. Cellulase and chitinase of earthworms. *Nature [London]* 167:776. May 12,1951. 472 N21

58143 VENEZUELA. DIRECCIÓN DE AGRICULTURA. DEPT. DE QUÍMICA. SECCIÓN DE MICROBIOLOGÍA AGRÍCOLA. La eficacia de la inoculación artificial de las plantas leguminosas en Venezuela con las bacterias de nódulos, per P. Savostin. Caracas, 1950. 57 p. 57.52 V55

58144 YALE, D. Harlingen's worm woman. Border Scope 3(5):12-13. May, 1951. 6 B64 Earthworms.

Soil-Plant-Animal Relationships

58145 ALBRECHT, W. A. Nitrogen for proteins and protection against disease. Queensland Prod. 32(3):10-11, 22. July 19, 1950. 23 Q35

58146 BEAR, F. E. Needs for lime—animal and vegetable. Rock Prod. 54(4):98-99, 159. Apr. 1951. 299.8 R59

Lime in soil improvement and plant-animal relations.

58147 BEESON, K. C. Comparative effects of organic and inorganic fertilizers on the nutritional quality of crops. Assoc. Amer. Fert. Control Off. Off. P. 4:26-33. Nov. 1950. 57.9 As7

58148 CHESTER, K. S. The importance of trace elements in agriculture. Chemurg. Digest 10(6):6-9. June 1951. 381 N213Na

Soil plant-animal relationships.

58149 NASH, D. W. Your six pounds of minerals. Country Guide 70(5):7, 35. May 1951. 7 G76

Relationship of soils and minerals to the health of animals and man.

58150 ROBINSON, A. D., and THOMSON, M. E. The effect of soil zone on nutrients in vegetables. (Abs.) Chem. Canada 3:94. May 1951. 381 C4236

58151 ROYAL BANK OF CANADA. Two better blades of grass. Roy. Bank Canada. Mon. Let. 1951, 4 p. Feb. 1951. 280.8 R81

Soil plant-animal relations.

58152 SEEKLES, L. Mode of action and occurrence of trace elements in pastures and in the blood and liver of farm animals. Internat. Union Biol. Sci. [P.] Ser. B, Colloquia 1:119-141. Ref. 1950. 442.9 Un325

Soil Genesis, Formation, Classification, and Mapping

58153 ALVIRA, T., and GUERRA, A. Estudio de algunos suelos de las cuencas del Tajo y del Duero. An. de Edafología y Fisiol. Veg. 10:51-65. Jan./Feb. 1951. 506 Sp12

58154 BOEHM, E. W., and PYM, L. W. The Denbarker reconnaissance. Austral. Commonwealth Sci. & Indust. Res. Organ. Div. Soils. Div. Rpt. 7/50, 12 p. 1950. 56.9 Au7

Soils survey.

58155 BONNET, J. A., and LUGO LOPEZ, M. A. Field methods of soil survey used in Puerto Rico. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 104-108. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3

58156 CORDOVA, J. P. Land capability classes as a factor in determining land use in Puerto Rico. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 170-181. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3

58157 ESPARZA TABARES, R. A contribution to the study of the soils in Cuba. The marl or "coco" phase of Santa Clara clay. Asoc. de Téc. Azucareros de Cuba. Proc. 23:113-117. 1949. 65.9 As5

58158 GOUVEIA, D. H. G. Considerations on the mapping of Mozambique soils. (In Portuguese.) Agros [Lisboa] 34:51-58. Ref. Jan./Feb. 1951. 15.5 Ag82

58159 GT. BRIT. AGRICULTURAL RESEARCH COUNCIL. SOIL SURVEY RESEARCH BOARD. Soil survey of Great Britain. Report No. 2. London, 1951. 25 p. 56.9 G792

58160 GROSSGEIM, V. A. On the origin of the high-mountain feathergrass steppes. (In Russian.) Priroda 40:66-67. Ref. Jan. 1951. 410 P933

Chiefly on Chernozem soils and vegetation.

58161 GUTIERREZ RIOS, E., and MEDINA ORTEGA, A. M. Procesos de formación de arcilla en Sierra Nevada. An. de Edafología y Fisiol. Veg. 9:475-536. Ref. Sept./Oct. 1950. 506 Sp12

English summary.

Spain.

58162 HALLSWORTH, E. G., GIBBONS, F. R., and DARLEY, W. E. Desert soil formations of Australia. Austral. J. Sci. 13:110-111. Feb. 1951. 475 Au72

58163 HESTER, J. B. Know your soil. IX. The Cecil series. Better Crops Plant Food 33:15-16, 40-41. May 1951. 6 B46

58164 HOCKENSMITH, R. D. Land classification in a Caribbean Land Improvement Programme. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 148-158. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3

Physical characteristics.

58165 HOYOS de CASTRO, A., and MEDINA ORTEGA, A. M. Sucesión de suelos en Sierra Nevada en relación con la altura sobre el nivel del mar. An. de Edafología y Fisiol. Veg. 10:19-49. Jan./Feb. 1951. 506 Sp12

English summary.

58166 KAVALERIDZE, V. Esquisse préliminaire de la carte des sols du Maroc. Rabot. Direction de l'Agriculture, du Commerce et des Forêts du Maroc. Division de l'Agriculture et de l'Elevage, 1950. map. 56.27 K17

58167 KAYE, C. A. Some paleosols of Puerto Rico. Soil Sci. 71:329-336. May 1951. 56.8 So3

58168 LAFAURIE ACOSTA, J. V. Soil survey and land classification in Colombia. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 216-217. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3

58169 MEYERHOFF, H. A. Some observations on the weathering of rocks in Puerto Rico. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 204-206. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3

58170 MORGAN, C. G., and VANDERFORD, H. B. Coahoma County soils. Miss. Agr. Expt. Sta. B. 475, 39 p. July 1950. 100 M69

58171 PRINCIPI, P. The agricultural soils of Campania. XV. (In Italian.) Italia Agr. 88:201-207. Apr. 1951. 16 It1

Soil types.

58172 ROBERTS, R. C. Soil survey of Puerto Rico. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 194-200. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3

58173 SIMMONS, C. S. Soil and agriculture conditions in Guatemala. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 218-221. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3

58174 SIMONSON, R. W. Soil classification and research in a Caribbean Land Improvement Programme. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 134-147. Ref. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3

58175 SMITH, R. The east Narrikup soil survey, Western Australia. Austral. Commonwealth Sci. & Indust. Res. Organ. Div. Soils. Div. Rpt. 2/50, 11 p. 1950. 56.9 Au7

58176 STEHLE, H. The soils of the French West Indies and especially those of Martinique. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 207-210. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3

58177 STREMMER, H. Die böden der Deutschen Demokratischen Republik. Berlin, Deutscher Zentralverlag, 1950? 175 p. 56.24 St8

58178 TEAKLE, L. J. H. Description of a laterite profile near Gayndah, Queensland. Queensland J. Agr. Sci. 7:15-23. Ref. Mar./June 1950. 23 Q37

58179 WASCHER, H. L., SMITH, R. S., and ODELL, R. T. Iroquois County soils. Ill. Agr. Expt. Sta. Soil Rpt. 74, 64 p. June 1951. 100 IL6So

SOIL MANAGEMENT

58180 ALLEN, L. C. Soil gets sick, too; South Plains farmers are finding out that there is no such thing as an inexhaustible soil. Prog. Farmer, Tex. Ed. 66(6):18. June 1951. 6 T311

Soil management.

58181 ARNOLD, K., and others. Use of fire in land clearing; controlled burns must be planned and organized to obtain effectiveness, safety and low cost. Calif. Agr. [Calif. Sta.] 5(5):11-12. (Cont.) May 1951. 100 C12Cag

L. T. Burcham, R. L. Fenner, and R. F. Grah, joint authors.

58182 BROMFIELD, L. Build a healthy acre. Nat. Hist. 60:254-259. June 1951. 500 N483J

58183 CHAMPEVAL, A. Restauration économique des sols. IV. Vols des Colons 33(1592):2. Jan. 22, 1951. 24 V85

Algeria.

58184 DALMASSO, G. Reclaim the mountain to save hills and plains. (In Italian.) Colt. e Gior. Vinic. Ital. 97: 81-82. Mar. 31, 1951. 16 C72

- 58185 ELLISON, W. Hill land reclamation in Montgomeryshire [Wales]. *World Crops* 2:341-343,348. Aug. 1950. 281.8 W892
- 58186 GREENHAM, D. W. P. Orchard soil management. *Worcestershire Agr. Chron.* 19:123,125,127,129, 131,133,135,137,139. Feb./May 1951. 10 W892
- 58187 HANSEN, P. "Corn will wave where heather grows"; how Jutland reclaimed her moors. *Dan. Foreign Off. J.* 1951(1):11-15. 286.8 D22
- 58188 HAWKINS, A., BROWN, B. A., and RUBINS, E. J. Extreme case of soil toxicity to potatoes on a formerly productive soil. *Amer. Potato J.* 28:563-577. Ref. Apr. 1951. 75.8 P842
- 58189 HEWITT, E. R. Good land from poor soil. Trenton, Trenton Print., 1951. 137 p. Ref. 56.6 H49
- 58190 HOWELL, H. B. Soil management in coastal lands. *Oreg. Dept. Agr. Agr. B.* 169:12-13. Mar. 1951. 2 Or3
- 58191 HURSH, C. R. Watershed aspects of the New York water supply problems. *J. Forestry* 49:442-444. June 1951. 99.8 F768
- 58192 ISRAELSEN, O. W. The historical background of reclamation. *Agr. Engin.* 32:321-324. Ref. June 1951. 58.8 Ag83
- 58193 JACKSON, N. Crops and land get new outlook in Parmer County legume program. *Sowest. Crop & Stock* 5(4):13,87. Apr. 1951. 6 So8942
- Texas.
- 58194 KLEIST, K. VON. "Leeres stroh" und volle scheunen. *Deut. Landwirt. Presse* 74:72. Mar. 17, 1951. 18 D482
- Organic farming.
- 58195 MCEWIN, H. Restoration of soil fertility. *Tasmanian Fruitgrower & Farmer* 28(230):32-33. Feb. 1951. 23 T185
- 58196 MANN, C. L. Homes on the land; a visit to some bio-dynamic farmers and gardeners in Germany. *Anthroposophical Agr. Found. Notes & Corresp. (n.s.)* 3:16-18. Spring 1951. 10 An8
- 58197 MUNNS, E. N. The next fifty years in watershed management. *J. Forestry* 49:419-424. June 1951. 99.8 F768
- 58198 NAGEL, W. O. Flames across farmland. *Mo. Conserv.* 12(4):4-5. Apr. 1951. 279.8 M69
- Effects of fires on soils.
- 58199 NAVARRO GARNICA, M. Repoblaciones en zonas secas. *Montes* 7(37):29-32. (Cont.) Jan./Feb. 1951. 99.8 M763
- Spain.
- 58200 OREGON. STATE RECLAMATION COMMISSION. Twelfth biennial report July 1, 1948-June 30, 1950. n.p., 1950. 39 p. 55.9 Or322
- 58201 OSENBURG, A., and MATHEWS, O. R. Dry-land crop production on the clay soils of western South Dakota. *S. Dak. State Col. Agr. Ext. C.* 85,22 p. Mar. 1951. 100 So82
- 58202 PARKER, F. W. Fertilizers and organic materials in modern soil management. *Crops & Soils* 3(8):9-12,26. June/July 1951. 6 W55
- 58203 RICCHEZZA, M. Las inundaciones en los montes frutales. *Chacra* 21(246):22. May 1951. 9 C34
- 58204 ROSSI DI MEDELANA, D. Reclamation and tillage of slope lands. (In Italian.) *Mondo Agr.* 2(10):4. Mar. 11, 1951. 16 M74
- Italy.
- 58205 SCAVONE, G. Stop the mountain from dying. (In Italian.) *Gior. di Agr.* 61:133-134. Apr. 29, 1951. 16 T1G
- Reclamation in Sicily.
- 58206 SCHÄFER, F., JR. Biologischer bodenschutz. *Obst. u. Gart.* 5:104-105. July 1950. 80 Ob75
- 58207 WERTH, A. J. Wie wirkt sich der humus auf wasser, düngung und bodenleben (bodengare) aus und wie ist in vieharmen wirtschaften die humusfrage in den mineralböden zu lösen? *Obstbau* 70:25-26. Feb. 1, 1951. 80 Ob73
- 58208 WHITE, A. L. Methods of reclaiming alkali soils. *Oreg. Grange B.* 50(21,illus.sect.):4-5,8. Apr. 5, 1951. 6 Or3
- Soil Fertility
- 58209 AAS, J. Fertilizing of vegetables. (In Norwegian.) *Kolonihagen* 21:5-7. Feb. 1951. 80 K83
- 58210 ALBALATE, A. La fatiga del suelo. *Ceres [Valladolid]* 16(178):19. Apr. 1, 1951. 15 C33 suppl.
- 58211 ALBRECHT, R. Legumes fall short in supplying nitrogen. *Prairie Farmer, Mich. Ed.* 123(7):8. Apr. 7, 1951. 6 P883A
- 58212 ALBRECHT, W. A. Starter fertilizers and sustaining fertility. *Com. Fert.* 82(6):36-38,40-41,72-75. June 1951. 57.8 C73
- 58213 ALDRICH, D. G. Response of lemon trees to phosphate fertilization. *Calif. Fert. Assoc. [Proc.]* 27:7-11. 1950. 57.9 C122P
- 58214 ALEKSEEV, E. K. Place and importance of green manures in grass-field crop rotations on turfy-podzolic soils. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.205-213. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 58215 ALFARO POLANCO, S. Leguminosas, una fuente de bienestar y prosperidad humanos. *Agr. Trop.* 7(4):9-10. Apr. 15, 1951. 26 Ag8
- Effects on soils.
- 58216 ALLUE MORER, A. Cómo aumentar la producción agrícola? Abonos y materias fertilizantes. *Ceres [Valladolid]* 16(178):8-9. Apr. 1, 1951. 15 C33 suppl.
- 58217 ALVES, J. DE A. Effect of the culture of *Cicer arietinum* L. and *Vicia sativa* L. var. *obovata* Ser. on certain physical and chemical properties of the soil. I. (In Portuguese.) *Melhoramento* 3:93-111. Ref. 1950. 105.7 M48
- English summary.
- 58218 ANDREWS, W. B., NEELY, J. A., and EDWARDS, F. E. Response of crops to anhydrous ammonia. *Miss. Farm Res. [Miss. Sta.]* 14(3):2-5. Mar. 1951. 100 M69Mi
- 58219 ARNOLD, E. H. Topdressing of pastures in Northland. *New Zeal J. Agr.* 82:131,133-137,139. Feb. 1951. 23 N48J
- 58220 ARTUKHOV, I. K. On developing and utilizing the grass field in the field crop rotations of the steppe zone in Ukraine. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.189-191. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Effect of grasses and legumes on soil fertility and yields.
- 58221 BELL, J. E. Soils and fertilizer responses in Franklin County. *New Zeal. J. Agr.* 82:241-243,245. Mar. 1951. 23 N48J
- Lime and potash applied to pasture.
- 58222 BELS-KONING, H. C. Experiments with casing soils, water supply and climate. *Mushroom Sci.* 1:78-84. 1950. 80 M972
- 58223 BENDER, E. K. Selection of fields for growing sweet potatoes. *Md. Agr. Col. Ext. Fact Sheet* 4,1 p. Feb. 1951. 275.29 M36FA
- 58224 BENTZ, F. L. Fundamental facts about fertilizer. *Md. Agr. Col. Ext. Fact Sheet* 20,4 p. Apr. 1951. 275.29 M36FA
- 58225 BERTRAND, G. Comment choisir les engrais de printemps. *Rustica* 24:208. Mar. 11, 1951. 14 R92
- For grapes.
- 58226 BISHOP, D. Deficient fertilizers—child of errors. *Calif. Fert. Assoc. [Proc.]* 27:12-16. 1950. 57.9 C122P
- 58227 BLINN, VON. Düngen wir richtig? *Deut. Landwirt. Presse* 74:74. Mar. 17, 1951. 18 D482
- 58228 BLUE, W. G. Agricultural workers control the wind. *Agron. J.* 43:297. June 1951. 4 Am34P
- Artificial windbreak for fertilizer test plots in Florida.
- 58229 BÖHME. Gemüsebau- und phosphorsäuredüngung. *Landfrau* 6(10):11. May 1951. 18 L2337
- Germany.
- 58230 BURGESS, A. C., and LYNCH, A. J. Potash topdressing in North Taranaki. *New Zeal J. Agr.* 82:165,167,169,171-172. Feb. 1951. 23 N48J
- 58231 BURRIEL, F., GUERRA, A., and GALIANO, F. Ensayos sobre la fertilidad de los suelos españoles. *An. de Edafología y Fisiol. Veg.* 8:567-583. Ref. Sept./Oct. 1950. 506 Sp12
- 58232 BUTKEVICH, V. V. On the use of chlorinated phosphorite fertilizers. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. *Travoseianie i semenovodstvo mnogoletnikh trav*, p.217-218. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Effect on legumes.
- 58233 BRAY, R. H., MELSTED, S. W., and KURTZ, L. T. 2 crops in your corn fields. *Farm J.* 75(6):48, 147-149. June 1951. 6 F2212
- Growing corn in a stand of Ladino clover.
- 58234 CAMPANILE, S. Soils producing *Trifolium thalii* Vill. in Campo Imperatore (Abruzzo). (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III.* P. 41,7 p. 1950. 105.4 R66
- 58235 CARFI, G. New orientation for fertilizing new field crops. (In Italian.) *Tec. Agr.* 2:146-149. Nov./Dec. 1950. 16 T22
- Field crops.

- 58236 CHAPUIS, G., and COURTIEU, P. Résumé de quelques essais sur l'emploi de fumier artificiel dans la culture des champignons. *Mushroom Sci.* 1:66-73. 1950. 80 M972
- 58237 CLINES, C. Lost acres reclaimed. *Prog. Farmer, Tex. Ed.* 66(6):8,104. June 1951. 6 T311
Agricultural gypsum spread on alkali land in Texas.
- 58238 COLVIN, W. S., FRIDAY, D. T., and WHITE, L. Side-dress with nitrogen. *Farm J.* 75(6):34-35. June 1951. 6 F2212
- 58239 DAUNOY, H. L. Soils and soil treatment for Camellias. *Amer. Camellia Ybk.* 1950:210-216. 97.31 Am32
- 58240 DAVIS, F. L. Effect of fineness of agricultural lime upon crop response. *Agron. J.* 43:251-255. Ref. June 1951. 4 Am34P
- 58241 DEITEMEYER, C. Sweeten your soil. *Nebr. Farmer* 93(8):1,20-21. Apr.21,1951. 6 N27
Lime applications.
- 58242 DEMENT, J. D., and STURGIS, M. B. The effect of split applications of nitrogen as anhydrous ammonia on the yield of sugarcane. *Sugar B.* 29:230-233. May 1,1951. 65.9 Am32
- 58243 EBES, K., and VINK, A. P. A. Soils and fertilizers in cacao culture. (In Dutch.) *Arch. v. de Koffiecult. in Indonesië* 17:53-93. Ref. Oct.1950. 68.28 Ar2
- 58244 EHRENBERG, P. Wirtschaftlichkeit hoher stickstoffgaben. *Deut. Landwirt. Presse* 74:99-100. Apr. 21,1951. 18 D482
For root crops.
- 58245 ENGEL, H. Steigert stickstoff die erträge auch bei hülsenfrüchten? *Deut. Landwirt.* 2:232. May 1951. 18 D4822
- 58246 ERGO, H. R. Fertilización de los viñedos. *Vinos, Viñas y Frutas* 45:411-412. Mar.1951. 9 Ag89
- 58247 FEDOROVSKII, D. V. Soil conditions for effective isochronal and fractional application of nitrogenous fertilizers to flax. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:49-67. Ref. 1950. 56.9 P44
- 58248 FERRAND, M., and PREVOT, P. Utilisation des engrais sous forme de pastilles pour l'arachide; premier essai effectué au Sénégal (1950). *Oléagineux* 6:191-194. Apr.1951. 77.8 OL2
- 58249 FISHER, R. A. Soil data on nutrition on Washington State bogs. *Cranberries* 16(2):8,10. June 1951. 80 C852
- 58250 FITZGERALD, O. H. Too much nitrogen can backfire. *Sugar Beet* 10:26-27. Mar.1951. 66.8 Su34B
- 58251 FLIRI, F. Richtiges düngen durch feldbuchführung. *Pflug* 4:36-37. Feb.1951. 19 P48
- 58252 FRIEDMANN, G. The fertilizer irrigation scale. (In Italian.) *Agr. Ital.* 2:99-101. Feb.15,1951. 16 Ag822
- 58253 GALET, P. Le dosage du calcaire actif et l'appréciation du pouvoir chlorosant des sols. *Off. Internat. du Vin. B.* 24(241):37-42. Mar.1951. 390.8 B87
In grape culture.
- 58254 GAMMON, N., JR., and WILMOT, R. J. Soil acidity and Camellia growth. *Amer. Camellia Ybk.* 1950:216-220. 97.31 Am32
- 58255 GARDENHIRE, J. H., SMITH, J. C., and DUDLEY, D. I. Corn fertilizer tests in North-Central Texas, 1949-50. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1360, 2 p. Apr.10,1951. 100 T31P
- 58256 GERICHKE, S. Wert und wirkung der phosphorsäuredüngung in der deutschen landwirtschaft. *Ed. 3, enl. Essen, Tellus*, 1950. 96 p. 57.24 G31W
- 58257 GISIGER, L. Vom einfluss der düngung auf die pflanzen. *Schweiz. Bauer* 105(32):1-2. Mar.16,1951. 17 Sch95
- 58258 GOLETIANI, G. I. Ammonia and nitrates [fertilizers] as sources of nitrogen nutrition of the tea plant. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:247-249. Jan.11,1951. 511 P444A
- 58259 GOMES, P. Liming. (In Portuguese.) *Seleç. Agr.* 6(58):41-42. Feb.1951. 9.2 Se4
- 58260 GOUJON, A. Chaux et chaulage. *Ed. 4. Paris, Maison Rustique*, 1950. 107 p. 57.1 G72
- 58261 GRANT, O. B. Getting the most out of your soil. *Natl. Chrysanthemum Soc. B.* 7:11-13. Mar.1951. 96.519 Ea7
- 58262 GRAZIADEI, A. Observations on the morphology and geology of Brazil. (In Italian.) *Riv. di Agr. Subtrop. e Trop.* 45(1/3):18-31. Jan./Mar.1951. 26 Ag82
English summary.
Includes soil fertility.
- 58263 GRIST, D. H. The manuring of rice. *World Crops* 3:131-132. Apr.1951. 281.8 W892
- 58264 GROS, A. Une nouvelle technique de fertilisation: l'utilisation de l'ammoniac anhydre comme engrais azoté. *France. Min. de l'Agr. B. Tech. d'Inform.* 1951:195-208. Mar.1951. 14 F844B
- 58265 HARGREAVES, J. E. What are the nitrogen needs of grassland? Farming to find out. *Farmers Wk. [London]* 34(21):55. May 25,1951. 10 F2226
On an experimental farm in Cheshire.
- 58266 HAYTER, C. N. Beetroot and boron deficiency. *Rhodesia Agr. J.* 47:482-485. Nov./Dec.1950. 24 R34
- 58267 HESTER, J. B. Function of starter solution in transplanting tomatoes. *News & Views Campbell's* 6(4):1,4. Apr.1951. 6 N472
Fertilizers.
- 58268 HIRTH, H. Richtige düngung im obst- und gemüsebau. *Bauern Ztg.* 4(12):6-7. Mar.22,1951. 18 B324
- 58269 HITZ, C. W. How to use poultry manure in strawberry production. *Del. State Bd. Agr. B.* 40(5):85-90. 1951. 2 D37B
- 58270 HOFFMAN, I. C. Proper soil selection, treatment increase your greenhouse crops. 2. *Mkt. Growers J.* 80(5):22-23. May 1951. 6 M34
Fertilizer applications and mulches.
- 58271 HOMANN, H. Hinweise zum streuen von mineraldüngern. *Landwirtbl. Weser-Ems* 98:342. Apr.19,1951. 18 L2345
- 58272 HONES, J. P. Las leguminosas mejoran la tierra. *Rev. Agr. y Ganad.* 13(133):10. Feb.1951. 9.4 R327
- 58273 HONKAVAARA, T. Experiments with granulated superphosphate applied in rows in Finland. (In Swedish.) *Växt-Närings-Nytt* 7:15. 1951. 57.8 V47
- 58274 HOPKINS, D. P. New ideas on soil fertility. II. *World Crops* 3:234-236. June 1951. 281.8 W892
- 58275 HUMBERT, G. Mineraldünger und humushaushalt unserer böden. *Hannoversche Land- u. Forstwirtschaft.* 104:5-6. (Concl.) Jan.6,1951. 18 H194
- 58276 HUNTER, J. H. Progress report on soil management experiments with pecans. *Soeast. Pecan Growers Assoc. Proc.* 44:10-12,14-17. 1951. 94.69 G29
- 58277 HUPPERT, V. Zur rebendüngung. *Weinbau* 6:179-180. Apr.15,1951. 390.8 W432
- 58278 JANSSEN, S. L. Soil destruction, myth or reality? *Skand. Banken. Q. Rev.* 32:33-40. Apr.1951. 284.9 Sk1
- 58279 JOHNSON, A. A. Better varieties of bromegrass do well on soils of good fertility. *Metrop. Milk Prod. News* 11(5):12. May 1951. 280.28 M56
- 58280 JORDAN, H. V., and CROCKETT, S. P. Some effects of growing kudzu on chemical and physical soil properties. *U. S. Bur. Plant Indus., Soils, & Agr. Engin. Div. Soil Mangt. & Irrig. Res. Rpt.* 211,12 p. Apr.20, 1951. 1.965 S4R312
- 58281 JORIS, J. Die düngung des grünlands. *Hannoversche Land- u. Forstwirtschaft.* 104:5. (To be cont.) Jan.6,1951. 18 H194
- 58282 KALASHNIKOV, I. G. Result of using a fertilizer system in the grass-field crop rotation of Krasny L'novod Collective Farm in Aroslav Region. (In Russian.) *Sovet. Agron.* 9:18-26. Jan.1951. 20 So84
- 58283 KALLBRUNNER, H. In güllewirtschaften auf phosphorsäure- und kalkdüngung nicht vergessen! *Landwirtschaft* 1951:94-95. Mar.1951. 19 L235
- 58284 KANNENBERG, H. Rohphosphat auf hochmoor- und sandheideböden. *Hannoversche Land- u. Forstwirtschaft.* 104:110. Feb.3,1951. 18 H194
- 58285 KEATLEY, J. C. Peach fertilizer experiment. *Fruit World & Mkt. Grower* 52(3):33-34. Mar.10,1951. 80 F948
- 58286 KEDROV-ZIKHMAN, O. K. Liming of acid soils—effective means in increasing productivity of seeds and hay of perennial legumes and grasses. (In Russian.) *In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travo-seianie i semenovodstvo mnogoletnikh trav*, p.80-82. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 58287 KENNERLY, A. B. Peanut growers in Frio County, Texas, see answer to fertilizer problems. *Peanut J. & Nut World* 30(7):25,50. May 1951. 77.8 P313
- 58288 KHEIFETS, D. M. Increasing the effectiveness of nitrogenous fertilizers for flax in connection with the change of composition of soil solution. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:68-81. Ref. 1950. 56.9 P44
- 58289 KIEHL, E. J. Study on phosphate fertilizers. (In Portuguese.) *Rev. de Agr. [Piracicaba]* 26:75-86. Mar./Apr.1951. 9.2 R324
English summary.

- 58290 KLEMME, A. W. Rock phosphate helps get and keep clover in rotations and pastures. *Amer. Cyanograms* 2(3):2-5. Spring 1951. 381 Am392
- 58291 KORABLEVA, L. I. Effect of magnesium on fertility of acid soils (turfy-Podzolic and Red soils). (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:82-98. Ref. 1950. 56.9 P44
- 58292 KRISTIANSSON, S. Correct use of fertilizers of great economic importance. (In Swedish.) *Växt-Närings-Nytt* 7:9-10. 1951. 57.8 V47
- 58293 LAFITE, C. Reconstitution et amélioration de la fertilité des sols. *Agriculture [Paris]* 15:91-98. Apr. 1951. 14 Ag823
- 58294 LAMBERT, E. B., and AYERS, T. T. Yield response from supplementing mushroom manure. *Mushroom Sci.* 1:61-62. 1950. 80 M972
- 58295 LAZZINI, V. For proper fertilizing: the Draghetti humus-mineral compounds. (In Italian.) *Avvenire Agr.* 59:49-51. Mar. 1951. 16 Av9
- 58296 LINDQUIST, B., and KARLBERG, S. Application of fertilizers to forest soils. (In Swedish.) *Växt-Närings-Nytt* 7:1-5. 1951. 57.8 V47
- 58297 LONES, B. Fertilizers and fertilizing in the fruit and berry garden. (In Norwegian.) *Kolonihagen* 21:21-24. Feb. 1951. 80 K83
- 58298 LORENZ, O. A. The placement of dry and liquid fertilizers. *Calif. Fert. Assoc. [Proc.]* 27:29-32. 1950. 57.9 C122P
- 58299 LOUVOT, H. L'humus et le sol. *Nord Agr.* 7(20):6(21):6. Mar. 16-23, 1951. 14 N75
- 58300 LYZIN, A. A. On the effectiveness of granulated fertilizers on Chernozem soils of the South East of U.S.S.R. (In Russian.) *Sovet. Agron.* 9:27-32. Jan. 1951. 20 So84
- Experiments with wheat and rye.
- 58301 MCKEEHEN, J. E. Lime by test, not guess; unlock your soil fertility. *Lackawanna-Wayne Farm & Home News* 3(4):5,19. Mar. 1951. 6 L11
- 58302 MCVICKAR, M. H. Bigger yields from less labor; heavy applications of plant food and more improved pastures are the answer. *South. Planter* 112(4):14-15, 23. Apr. 1951. 6 So89
- 58303 MANNES. Die düngung des grünlands. *Hannoversche Land- u. Forstwirt. Ztg.* 104:26. (Concl.) Jan. 13, 1951. 18 H194
- 58304 MARIMPIETRI, L. Reaction, [pH] lime and development of the olive. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 23,3 p. 1950. 105.4 R66
- 58305 MARSILY, E. DE. Leçons américaines? *Terre d'Oc* 33:161-165. May 1951. 14 Ar5
- In fertilizer utilization.
- 58306 MEDNIS, Ā. A. In regard to increasing the yields of clover hay and seeds. (In Russian.) *In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav*, p.410-411. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Fertilizer application chiefly.
- 58307 MEISNER, F. Ehrliche düngung bereitet den weg zu qualitätsabaken. *Bad. Landwirt. Wchnbl.* 118:215-216. Apr. 7, 1951. 18 B142
- 58308 MELLO, E. M. DE. The soil is not inexhaustible. (In Portuguese.) *Selec. Agr.* 6(58):35-36. Feb. 1951. 9.2 Se4
- 58309 MEYER, W. Dauergrünland stört humusgleichgewicht. *Deut. Landwirt. Presse* 74:100. Apr. 21, 1951. 18 D482
- 58310 MIEGE, E. Influence de la fumure sur le rendement et la qualité des tabacs. *Inform. Marocaine* 540:1,4. May 19, 1951. 281.8 In3
- 58311 MINNUM, E. C. Lime fertilizer and manure for the home garden. *Conn. Agr. Col. Ext. Folder* 50,6 p. Feb. 1951. 275.29 C76Ex
- 58312 MOODY, E. G. Fertile soil and how to maintain it. *Austral. Dairy Rev.* 19(3):10. Mar. 1, 1951. 44.8 Au73
- 58313 MORANI, V. New orientations in fertilizing. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 40,8 p. 1950. 105.4 R66
- 58314 MORAS TH. M. DE. Fertilización de hortaliças. *Agrario* 15(420):6-7. Jan. 1951. 9.8 Ag85
- 58315 MOTA, F. S. DA. Economy in fertilizing. (In Portuguese.) *Lav. Arroz.* 5(51):31-32,34. Mar. 1951. 59.8 L39
- 58316 MULLER, E. Luzerneanbau und kalkzustand. *Deut. Landwirt. Presse* 74:104. Apr. 21, 1951. 18 D482
- 58317 NAIDIN, P. G. System of fertilizers for plants in the grassfield crop rotations. (In Russian.) *In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav*, p.136-160. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 58318 NIESCHULZ. Düngung und betriebserfolg. *Hannoversche Land- u. Forstwirt. Ztg.* 104:154. (Concl.) Feb. 17, 1951. 18 H194
- 58319 NIKISHKINA, P. I. Effect of manure on dynamics of soil acidity in turf-Podzolic soil. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:113-126. Ref. 1950. 56.9 P44
- 58320 ODELIEN, M. Experiments with heavy applications of fertilizers to leys in South-Eastern Norway during the years 1946-1948. (In Norwegian.) *Forsk. og Forsøk i Landbr.* 1:347-420. Ref. 1950. 11 F772
- English summary.
- 58321 PALANTI, G. B. Influence of fertilizers on the quality of products. (In Italian.) *Agr. Ital.* 2:1. Apr. 1, 1951. 16 Ag822
- 58322 PIETSCHMANN, E. Die düngung der zucker-rübe. *Hannoversche Land- u. Forstwirt. Ztg.* 104:249-250. Mar. 17, 1951. 18 H194
- 58323 PIZER, N. H. Some experiments with mushroom casing soils. *Mushroom Sci.* 1:74-78. 1950. 80 M972
- 58324 PONTAILLER, S. Deux sources d'humus. *Potasse* 25:82-85. May/June 1951. 57.8 P84
- Straw mulch and cover crops.
- 58325 PROKOSHEV, V. N. Effect of green manure on soil acidity. (In Russian.) *Pochven. Inst. im. V. V. Dokuchaeva. Trudy* 33:99-112. Ref. 1950. 56.9 P44
- 58326 RAINERI, C. New concepts on soil fertility. (In Italian.) *Romagna Agr. e Zootec.* 36(2/3):8. Feb. 1951. 16 R66
- 58327 RIEHS, E. Was sagen uns die standortspflanzen? *Obst u. Gart.* 5:122-123. Aug. 1950. 80 Ob75
- 58328 ROBERTSON, L. S. Does side dressing pay? *Mich. Farmer* 215:349,382. Apr. 21, 1951. 6 M58
- Nitrogen side dressing of row crops.
- 58329 ROGOZA, I. D. On developing the grass field in the field crop rotation under conditions of the forest-steppe in Ukrainian SSSR. (In Russian.) *In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiānie i semenovodstvo mnogoletnikh trav*, p.187-188. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- Effect of grasses and legumes on soil fertility and yields of crops.
- 58330 RUOFF, F. Pflege der bodenfruchtbarkeit—als voraussetzung jeder weiteren wirtschaftsberatung. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:38-41. Apr. 1951. 18 N11
- 58331 SAPP, V. County agent proves fertilizer increases yields. *Better Farming Methods* 23(7):30. July 1951. 58.8 B46
- 58332 SARSONS, A. R. A statement of the case for and against the necessity for humus in modern farming practice. *Land Agents' Soc. J.* 50:202-203. May 1950. 282.9 L22
- 58333 SAUCHELLI, V. Phosphates in soils and fertilizers for truck and canning crops. *Md. Farmer* 35(4):27-29. Apr. 1951. 6 M362
- 58334 SAXENA, S. S. Effect of application of inorganic nitrogenous fertilizer in single dose and piece-meal. *Conf. Sugarcane Res. Workers Indian Union. Proc.* 1(2,sect.2):(17)-(19). 1951. 65.9 C766
- 58335 SCHÄFER, F. Die düngung der steinobstbäume mit kalkstickstoff. *Obst u. Gart.* 5:106. July 1950. 80 Ob75
- 58336 SCHLEGEL. Obst auf die bäume gespritzt? Die flüssige untergrunddüngung. *Obstbau* 70:23-24. Feb. 1, 1951. 80 Ob73
- Germany.
- 58337 SCOTT, W. A. Results of further fertilizer experiments with burley tobacco at Harrow. *Canada. Expt. Farms. Tobacco Div. Lighter* 21(2):20-23. May 1951. 286.89 C16
- 58338 SINCOCK, R. L. They soak wheat in fertilizer; growers' effort may have advantage in areas where soil fertilizing is hazardous practice but seed can not absorb much of food needed. *Idaho Farmer* 69:271-272. Apr. 5, 1951. 6 G282
- Also in *Oreg. Farmer* 74:259-260. Apr. 5, 1951. 6 Or32
- 58339 SITES, J. W. The effect of variable potash fertilization on the quality and production of Duncan grape fruit. *Citrus Mag.* 13(10):26-30. Ref. June 1951. 80 C498
- 58340 SLAWIK. Über die nährkraft des bodens. *Obst u. Gart.* 2:101-103. July 1950. 80 Ob75
- 58341 SLAWIK, O. Drei wichtige faktoren im obst- und gartenbau: boden, wasser und düngung. *Obst u. Gart.* 5:151-154. Oct. 1950. 80 Ob75

- 58342 SMIRNOV, N. D. Fertilizers—an effective means for increasing the yields of hay and seeds of grasses and legumes. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.202-205. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 58343 SOKOLOV, A. V. Fertilizer application and supplementary feeding of perennial legumes and grasses grown for seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.173-182. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 58344 STARCHER, G. C. Good soils mean good harvests. South. Farmer 112(5):8. May 1951. 6 So83
Minerals in the soil.
- 58345 SUMMERS, B. Organic matter, the life of the soil. Oreg. Grange B. 50(22):12. Apr.20, 1951. 6 Or3
- 58346 SWANBACK, T. R. Ammonium nitrate and poultry manure in fertilization of tobacco. Conn. (State) Agr. Expt. Sta. B. 546, 26 p. Mar. 1951. 100 C76St
- 58347 THORNTON, G. F. The economics of choosing fertilizers. Planter 27:58-60. Feb. 1951. 78.8 P69
Malaya.
- 58348 TIND-CHRISTENSEN, C. J. Fertilizer and lime experiments on muddy soils. (In Danish.) Tidsskr. f. Planteavl 54:318-335. 1951. 11 T439
- 58349 TIUMENTSEV, N. F. Fertilizer application—indispensable factor of proper grass-field crop rotation. (In Russian.) In Reverdatto, V. V., ed. Voprosy travopol'noi sistemy zemledeliia v Zapadnoi Sibiri, p.144-163. Ref. Novosibirsk, 1950. 33.31 R32
- 58350 TOLNER, J. We do not get there with artificial manure alone. (In Dutch.) Plattelands-Post 7(14):3. Apr.7, 1951. 12 P69
- 58351 TULLIS, E. C. Nugreen as a source of nitrogen for Camellias. Amer. Camellia Ybk. 1950:224-226. 97.31 Am32
- 58352 VAZHENIN, I. G. Causes for differences in effectiveness of forms of potassium fertilizers on light turfy-Podzolic soils. (In Russian.) Pochven. Inst. im. V. V. Dokuchaeva. Trudy 33:127-191. Ref. 1950. 56.9 P44
Experiments with potatoes.
- 58353 VINK, A. P. A. The most important literature on soils and fertilizers of cacao until 1950. (In Dutch.) Arch. v. de Koffiecult. in Indonesië 17:94-99. Oct. 1950. 68.28 Ar2
- 58354 VLADIMIROV, A. V. On fertilizing perennial grasses and legumes in the grass-field crop rotation. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.213-216. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 58355 VOGEL, F. Obstbaumdüngung mit praktischen beispielen. Stuttgart, Ulmer, 1950. 115 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 80) 57.7 V86
- 58356 VOGLER, E. La rentabilité de la culture betteravière. Potasse 25:65-68. Apr. 1951. 57.8 P84
Fertilizers.
- 58357 VOGT, Die düngung im kartoffelbau. Hannoverische Land- u. Forstwirt. Ztg. 104:180, 226. Feb. 24-Mar. 10, 1951. 18 H194
- 58358 WALLACE, T. The mineral nutrition of crops with special reference to fruit crops. II. World Crops 3:224-227. June 1951. 281.8 W892
- 58359 WALLS, E. P., and BENDER, E. K. Soil selection is important in tomato production. Md. Agr. Col. Ext. Fact Sheet 17, 2 p. Apr. 1951. 275.29 M36FA
- 58360 WILLCOX, O. W. Theory and practice of the farmer's one-plot fertilizer test. Sugar 46(6):35-38. June 1951. 65.8 F11
- 58361 WILLNER. Zur ertragsfähigkeit der marschböden von Weser-Ems. Landwirtbl. Weser-Ems 98:363-364. Apr. 26, 1951. 18 L2345
- 58362 WILSON, C. M. Better second cutting. Iowa Bur. Farmer 15(5):8-9. May 1951. 275.293 Iowa
Top dressing for hay.
- 58363 YOUNG, P. A. Effects of fertilizers on the shipping quality and yield of tomatoes in East Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1353, 4 p. Apr. 5, 1951. 100 T31P
- 58364 ZURN, F. Die düngung des dauergrünlandes im frühjahr und sommer. Pflug 4:57-59. Mar. 1951. 19 P48
- 58366 BORST, H. L. Better hay and pasture with trash mulch seedings. Ohio Farm & Home Res. [Ohio Sta.] 36:19-21. Mar./Apr. 1951. 100 Oh3S
- 58367 BROMFIELD, L. The case for plowless farming. Successful Farming 49(6):46, 139-141. June 1951. 6 Su12
- 58368 CASTELLINI, A. The hoe has a golden edge. (In Italian.) Agr. Tosc. 6:135-136. Apr. 1951. 16 Ag827
The importance of tillage.
- 58369 CORLETT, J. A ploughing match in Kent. Manx J. Agr. (n.s.) 5(3):40-41. Jan. 1951. 10 M312
- 58370 DORST, J. D. An important question to which little attention has been paid up to now. (In Dutch.) Zeeuwisch Landtbl. 39(2053):4. Jan. 13, 1951. 12 Z2
Deep plowing.
- 58371 FILATOV, F. I., and BIALYI, A. M. Development and rational utilization of grass field in the grass-field crop rotations in the South East of U.S.S.R. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.195-199. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
Chiefly on tillage.
- 58372 HAUSNER, F. Vorbereitung und verbesserung des bodens. Obst u. Gart. 5:155. Oct. 1950. 80 Ob75
- 58373 KANNENBERG, H. Fläche oder tiefe ackerkrume? Deut. Landwirt. Presse 74:76. Mar. 17, 1951. 18 D482
- 58374 LANDON, L. B. Why cultivate? Uncultivated plants often don't grow. Nevertheless, farmers should be looking for still better weed control techniques—like mulching. Org. Farmer 2(9):38-41. Apr. 1951. 57.8 Or3
- 58375 MACDONALD, P. Trash cover fallows; new implements and new practices transform dry land fallows. Country Guide 70(5):9, 42-43. May 1951. 7 G76
- 58376 MILLIMAN, L. H. Huge plow reclaims soil in test. Better Fruit 45(11):11-12. May 1951. 80 B46
- 58377 MININ, I. A. A. Some problems in tilling the grass field. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.549-555. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 58378 POZDENA, L. Bodenbearbeitung, grundlagen und durchführung. Berlin, Parey, 1950. 90 p. 53 P87
- 58379 ROGERS, H. T. We farmed too well. Wash. Farmer 76:375, 388-389. May 17, 1951. 6 R151
Minimum cultivation before seeding winter wheat.
- 58380 RUSSEL, E. W. Studies and experiments in the plowing of land. (In Italian.) Agr. delle Venezie 5:80-83. Feb. 1951. 16 Ag826
- 58381 TIENSTRA, T. J. Spring work for the sand farmer. (In Dutch.) Landbode 5(9):5. Mar. 3, 1951. 12 L234
Also in Overijsselsch Landbl. 33(1594):5. Mar. 3, 1951. 12 Ov2
- 58382 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The use of sawdust for mulches and soil improvement, by F. E. Allison, and M. S. Anderson. Beltsville, 1951. 18 p. 1.965 S2Us2
- 58383 WEGER, N. Ertragssteigerung bei buschbohnen durch boden-bedeckung mit dunklem und weissem schleier. Z. f. Acker- u. Pflanzenbau 93:198-207. Feb. 1951. 18 825
- 58384 WHEELER, W. A. Mulches protect pasture seedings. Org. Farmer 2(9):54-56. Apr. 1951. 57.8 Or3
- 58385 WITTICH, W. Der einfluss der streunutzung auf den boden (untersuchungen an diluvialen sandboden). Forstwiss. Centbl. 70:65-92. Ref. Feb. 1951. 99.8 F775
- Drainage, Irrigation, Water Supply, and Flood Control
- 58386 ANDERSON, G. K. Central Valley problems require State control of the project for their solution. (Sum.) Calif. Farm Bur. Mon. 32(4):26-27. Apr. 1, 1951. 275.293 California
- 58387 BEAM, A. Irrigation farming goes to school. Nebr. Farmer 93(8):7, 30-31. Apr. 21, 1951. 6 N27
Methods demonstrated on a development farm in Nebraska.
- 58388 BENDER. Künstliche beregung der rüben; wird der zuckergehalt herabgesetzt? Hannoverische Land- u. Forstwirt. Ztg. 103:1115. Dec. 9, 1950. 18 H194
- 58389 BERGSTROM, W. Water requirements of crops. Wash. State Col. Ext. Mimeog. 982, 4 p. Apr. 4, 1951. 275.29 W27Mi
- 58390 BOSCHI, P. State contributions and land reclamation. (In Italian.) Campagnolo 6:27-28. Apr. 1951. 16 C15
Italy.
- 58391 BRASHER, E. P. Irrigating vegetable crops in 1950. Del. State Bd. Agr. B. 40(5):55-58. 1951. 2 D37B
- Soil Tilth and Tillage
- 58365 ABYSOV, I. P. Preparation of the soil for the spring of 1951. (In Russian.) Lesn. Khoz. 3(10):51-52. Oct. 1950. 99.8 L5622
Plan of forest conservation stations in Rostov Region.

- 58392 BUONAIUTO, G. Reclamation irrigation in the Sarno Valley. (In Italian.) Mezzogiorno Agr. 7(16):1, 3. Apr.22/28,1951. 16 M57
- 58393 CIOLINA, F. La maitrise et l'utilisation agricole des eaux aux Etats-Unis. Agron. Trop. 6:186-188. Mar./Apr.1951. 26 Ag86
Irrigation and drainage.
- 58394 COBIANCHI, E. Land improvements. (In Italian.) Agr. Ital. 2:85-88. Feb.15,1951. 16 Ag822
Irrigation, drainage, and other types of improvement.
- 58395 CORE, E. J. Border irrigation. U. S. D. A. L. 297,8 p. May 1951. 1 Ag84L
- 58396 CRAWFORD, A. Irrigation in Mid-Canterbury gaining favour. New Zeal. Farmer 72(4):7. Apr.12,1951. 23 N484
- 58397 DE WAAL, P. E. Irrigation farming along the Orange River. Farming So. Africa 26:92-94. Mar.1951. 24 So842
- 58398 DODD, L. Sprinklers save water and labor costs. Calif. Farmer, South. Ed. 194:486-487. May 19, 1951. 6 C126A
- 58399 EFFA, J. Irrigation programs. (In Portuguese, Fazenda 46(5):28-29. May 1951. 6 H11P
- 58400 FERNANDEZ BOLLO, M. Estudio del agua subterránea por prospección geofísica. Agricultura [Madrid] 20:111-114. Mar.1951. 15 Ag84
- 58401 GARCIA MENÉNDEZ, B. Del secano al regadío. Ceres [Valladolid] Sup. Inform. 16(437):8-9. Apr.15, 1951. 15 C33
Spain.
- 58402 GRANOTT, A. Blueprint for land redemption. Israel & Middle East 3:14-15. Jan./Mar.1951. 286.8 P172
- 58403 GRAY, A. S. Conserve soil and water with sprinkler irrigation. Better Farming Methods 23(6):30-31. June 1951. 58.8 B46
- 58404 GT. BRIT. MINISTRY OF HEALTH. CENTRAL ADVISORY WATER COMMITTEE. LAND DRAINAGE LEGISLATION SUB-COMMITTEE. Land drainage in England & Wales; report of the Land Drainage Legislation Sub-Committee. London, H.M. Stationery Off., 1951. 99 p. 54 G794
- 58405 HALL, T. D. Scientists amazed by work of the Dutch. Veldtrust 12:26-29. Jan.1951. 56.8 V54
Reclamation.
- 58406 HENDRICKSON, A. H., and VEIHMEYER, F. J. Apricot irrigation tests indicate one irrigation not enough for best results. Calif. Agr. [Calif. Sta.] 5(5):5,13. May 1951. 100 C12Cag
- 58407 HORNER, W. W. A desirable national water policy. Amer. Econ. Rev. 41(2):280-288. May 1951. 280.8 Am32
Includes flood control and irrigation.
- 58408 ISIDORO, G. Technical and economic aspects of some types of irrigation in Tuscany. (In Italian.) Agr. Tosc. 6:137-143. Apr.1951. 16 Ag827
- 58409 JOHNSTON, J. C. Importance of irrigation in dry years. Calif. Farmer, South. Ed. 194:507. May 19, 1951. 6 C126A
- 58420 JUDKINS, W. P. Sprinklers for berries. Amer. Fruit Grower 71(6):9,18-19. June 1951. 80 G85
- 58421 JUUSELA, T. Mechanical trench digging. (In Swedish.) Forsk.- och Försöksresultat 2:52-55. Oct.15, 1950. 20 F77
Finland.
- 58422 JUUSELA, T. On the possibilities of using mole draining in Finland. Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 22:152-163. Ref. 1950. 20 Su7M
English summary.
- 58423 KENDALL, R. G. Crops grow better over the drains. Farmer & Stock-Breeder 65(3210):86. May 1, 1951. 10 F228
- 58424 KIHLEBERG, S. Dikningen ur fastighetsteknisk synpunkt [Ditching from the aspect of real estate technology]. Stockholm, 1950. 229 p. 290 K55
English summary.
- 58425 KING, R. M. Water problems of the Arkansas and Mississippi rice grower. Rice J. 54(5):11-12,14. May 1951. 59.8 R36
- 58426 LANZA, F. Overhead irrigation in the Agro Romano. (In Italian.) Gior. di Agr. 61:107-108. Apr.8, 1951. 16 It1G
- 58427 LIMA ROMERO, J. J. Irrigation at "La Redonda" farm, "Porfuerza" sugar mill. Asoc. de Téc. Azucareros de Cuba. Proc. 23:89-91. 1949. 65.9 As5
- 58428 LISTOWEL, J. Russia's fight against famine. Country Life [London] 109:1806-1807. June 8, 1951. 80 C83
Irrigation and agricultural situation.
- 58429 MANSON, P. W., and ROST, C. O. Farm drainage—an important conservation practice. Agr. Engin. 32:325-327. June 1951. 58.8 Ag83
- 58430 MEISSNER, D. Soviet construction projects of the Stalin era. (In Czech.) Interagra 4:480-505. 1950. 28 In825
English summary.
Irrigation and hydroelectric projects.
- 58431 MONTANARI, V. Spring drought and irrigation. (In Italian.) Agr. delle Venezie 5:7-19. Jan.1951. 16 Ag826
- 58432 NEW SOUTH WALES. WATER CONSERVATION AND IRRIGATION COMMISSION. Annual report for the year ended 30th June, 1949. Sydney, 1950. 59 p. 55.9 N472
- 58433 PASSINO, F. Reclamation of Basso Sulcis. (In Italian.) Agr. Ital. 2:89-91. Feb.15,1951. 16 Ag822
Irrigation project.
- 58434 PEKERT, F. W. Added profits from irrigation. N. J. State Hort. Soc. Hort. News 32:2385,2387,2398,2400. May 1951. 81 N46
- 58435 PERALTA VALIN, R. Regadío, tranques y aguas subterráneas en el Norte Chico. Campesino [Santiago] 83(3):62-65. Mar.1951. 9.3 So12
- 58436 PETROCCHI, C. The hill-mountain derangement. (In Italian.) Mondo Agr. 1(26):3. Dec.24,1950. 16 M74
Reclamation policy in Italy.
- 58437 PICKETT, J. Irrigate just enough—not too often. Calif. Farmer, North. Ed. 194:496-497. May 19, 1951. 6 C126
- 58438 POEBING, O. Die kultivierung des ödlandes im Donaodelta, eine europäische aufgabe. Wasser u. Boden 2:212-214. Oct.1950. 56.8 W28
Cultivation of this Moorland in Romania requires irrigation, drainage, cheap system of fertilizing, and attention to roads.
- 58439 PRUITT, W. O. Water requirements of crops. Wash. State Col. Ext. Mimeog. 989,5 p. Mar.30,1951. 275.29 W27Mi
- 58440 QUREISHI, Z. The Irrigation Research Institute, Punjab. Pakistan 1(5):71-74. Winter 1950/51. 278.8 P17
- 58441 RACE, A. T., JR. Florida turns to sprinkler irrigation. Amer. Fruit Grower 71(6):13,23-25. June 1951. 80 G85
- 58442 RENNE, R. R. Water resources policy, national security depends upon conservation. Mont. Farmer - Stockman 38(11):36-37. Feb.1,1951. 6 M764
- 58443 RHOADES, H. F., and SUGHRO, K. Influence of irrigation practice, stand and fertilizer application on the yield of corn, Development Farm, Arapahoe, Nebraska, 1950. U. S. Bur. Plant Indus., Soils & Agr. Engin. Div. Soil Mangt. & Irrig. Res. Rpt. 213,10 p. Apr.30,1951. 1.965 S4R312
- 58444 ROBERTS, R. H. Irrigation in America. Rhodesia Agr. J. 47:510-530. Nov./Dec.1950. 24 R34
- 58445 SABUCEDO DEL ARENAL, S. La mecanización integral de los nuevos regadíos. Siembra [Madrid] 7(3):39-40. Mar.1951. 15 Si1
- 58446 SAINT-QUENTIN, M. La technique de l'arrosage en plein champ. Rustica 24:378-379. Apr.29, 1951. 14 R92
- 58446 SALOHEIMO, L. Suitable width of field on marshland. (In Swedish.) Forsk.- och Försöksresultat 2:59-62. Dec.15,1950. 20 F77
Drainage for grain planting in Finland.
- 58447 SANDINO PARDO, A. Fórmulas hidráulicas para aforadores de escorrentia. Acta Agron. 1:57-63. Dec.1950. 9.4 Ac8
- 58448 SAYOUR, A. Les irrigations par aspersion. Génie Rur. 44:167-168. May 1951. 58.8 Au8
- 58449 SCHMIDT, H. Neue bewässerungsanlagen und wasserkraftwerke in der UdSSR. Deut. Landwirt. 2:241-244. May 1951. 18 D4822
- 58450 SERTOLI, A. The bill for the protection and utilization of the mountain region seen by the mountain dwellers. (In Italian.) Rass. Econ. della Prov. di Sondrio 4(1/2):10-14. Jan./Feb.1951. 287 So5
Reclamation.
- 58451 SMITS, J. Quality versus net cost. (In Dutch.) Betuws Tuinbouwbl. 9(2):4. Mar.17,1951. 80 B464
Drainage for orchards.
- 58452 SPURLING, M. B. Water requirements of citrus. Grower [Adelaide] 5(6):14-15. Dec.1950. 80 G912
Irrigation.
- 58453 STEIN, C. Die beherrschung des wasserhaushalts im boden durch eine kombinierte untergrund-ent-und -bewässerungsanlage. Deut. Landwirt. 2:259-263. May 1951. 18 D4822
Russian Zone of Germany.

- 58454 STILES, G. As green as Ireland itself. *Prog. Farmer, Tex. Ed.* 66(5):102-103. May 1951. 6 T311
Pasture irrigation.
- 58455 SWART, A. G. Good drainage one of the fundamentals for efficient farm management. (In Dutch.) *Groninger Landtbl.* 29(14):2. Apr. 7, 1951. 12 G892
- 58456 TINDALL, C. Farmers moving out before water rolls in; giant Bull Shoals dam on White River will flood 71,240 acres. *Mo. Rur.* 92(8):6-7. Apr. 28, 1951. 6 R8891
- 58457 TOMLINSON, B. R. Estimate of water requirements of crops. *Wyo. Agr. Expt. Sta. B.* 303,27 p. Feb. 1951. 100 W99
Irrigation water required in Wyoming.
- 58458 TRIFONE, R. Owners and capitalistic enterprises in integral land reclamation projects. (In Italian.) *Mondo Agr.* 2(15):1-2. Apr. 15, 1951. 16 M74
Italy.
- 58459 UHDE, O. Die vollendung der kanalisierung der Mittelweser und die marschen. *Hannoversche Land- u. Forstwirt. Ztg.* 104:301-302. Mar. 31, 1951. 18 H194
- 58460 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1948. 2. South Atlantic slope and eastern Gulf of Mexico Basins. U. S. Geol. Survey. Water-Supply Paper 1112,554 p. 1951. 407 G29W
- 58461 U. S. GEOLOGICAL SURVEY. Use of water by bottom-land vegetation in Lower Safford Valley, Arizona. U. S. Geol. Survey. Water-Supply Paper 1103,210 p. 1950. 407 G29W
- 58462 U. S. GEOLOGICAL SURVEY. Water levels and artesian pressure in observation wells in the United States in 1947. 1-3,5-6. U. S. Geol. Survey. Water-Supply Paper 1096,1098,1100-1101,1127. 1951. 407 G29W
1, Northeastern States; 2, Southeastern States; 3, North-Central States; 5, Northwestern States; 6, Southwestern States and Territory of Hawaii.
- 58463 U. S. SOIL CONSERVATION SERV. Summary, runoff and waterflow retardation and soil erosion prevention; flood control operations in authorized watersheds, cumulative to December 31, 1950. Washington, 1951. 7 p. 1.96 Ad6Sr
- 58464 VEEN, J. VAN. Dredge, drain, reclaim; the art of a nation. Ed. 3. The Hague, Nijhoff, 1950. 179 p. 290 V51
- 58465 VICTORIA. STATE RIVERS AND WATER SUPPLY COMMISSION. Forty-fifth annual report, 1949-50. Melbourne, 1951. 136 p. 292.9 V66
Includes irrigation and flood control.
- 58466 VOLLO, L. The Adige continues to threaten the low Venetian plain. (In Italian.) *Gior. Econ.* 36:67-70. Feb. 1951. 280.8 G432
Similar title in *Mondo Agr.* 2(12):3. Mar. 25, 1951. 16 M74
- 58467 VUKOLOV, A., and KUNDZICH, M. Mechanized digging of irrigation canals. (In Russian.) *Mashinno-Traktornaya Sta.* 10(12):30-31. Dec. 1950. 58.8 M11
- 58468 WARING, P. A. A water policy for the USA. *Survey* 87:167-171. Apr. 1951. 280.8 C37
- 58469 WARNE, W. E. Alimentos para todos mediante el control de la irrigación. *Indus. Lech.* 33:155-158. Mar. 1951. 44.8 In26
- 58470 WILLIAMS, P. C. A land agent's bookshelf. II. Land reclamation and drainage. *Land Agents' Soc. J.* 50:119-121. Mar. 1951. 282.9 L22
- 58471 WORK, P. Ag leaders will find irrigation is widespread. *Better Farming Methods* 23(6):36-37. June 1951. 58.8 B46
- 58472 WORK, R. A., and HOUSTON, C. E. Run-off forecasts—1951 water supply in Western States. *West. Constr.* 26(5):76-78,144. May 1951. 290.8 W522
- Erosion and Erosion Control
- 58473 ALLISON, U. S. Soil conservation in Puerto Rico and the Virgin Islands of the United States. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean*; report, p.163-165. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3
- 58474 AMERICAN NATIONAL LIVESTOCK ASSOCIATION. Erosion, then and now. Denver? 1950. 28 p. 56.7 Am34
- 58475 BEARE, J. A. Erosion by wind. *So. Austral. Dept. Agr. J.* 54:315-318. Feb. 1951. 23 So84
- 58476 BENNETT, H. H. Effects of erosion silt on bays. Washington, U. S. Soil Conserv. Serv., 1951. 12 p. 1.96 Ad62
Address, spring meeting American Shore and Beach Preservation Association with Southern States Coastal Erosion Control Association, Mobile, Apr. 28, 1951.
- 58477 BERNATZKY, A. Staubsturm vor den toren Frankfurts. *Unser Wald* 3 (9):7-8. Sept. 1950. 99.8 Un7
- 58478 BLAND, W. K. Put conservation methods into farm operating plans. *Patron* 11(10):5. Apr. 1951. 280.28 P27
- 58479 CARNEAL, J. W. Pipe lines and soil erosion control; farmers' fears overcome by understanding of construction and help from trained soil conservationists; increased soil productivity, better farmer relations, controlled soil erosion results of program. *Gas Age* 107(11):55. May 24, 1951. 401.8 G21
- 58480 CESTEROS, M. General conditions in the Dominican Republic. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean*; report, p.213-215. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3
Soil conservation.
- 58481 CONSERVATION FOUNDATION. Annual report for the year 1950. New York, 1950. 31 p. 279.9 C769
Includes soil and forest conservation.
- 58482 COSTA, J. V. B. DA, and AZEVEDO, A. L. Aspects of soil erosion in Angola. (In Portuguese.) *Agros [Lisboa]* 34:15-22. Jan./Feb. 1951. 15.5 Ag82
- 58483 DANIEL, H. A. Oklahoma's contests in soil conservation. *Better Crops Plant Food* 33:21-24. May 1951. 6 B46
- 58484 DIJKMAN, M. J. La Leucaena glauca contra la erosión del suelo. *Asoc. Gen. de Agr. B.* 291:6-7. (To be cont.) Mar. 31, 1951. 8 As52
- 58485 DMITRIEV, V. S. Stalin Plan to change nature. (In Russian.) In *Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR*, p.454-488. Moskva, Gos. Izd-vo Polit. Lit-ry, 1951. 281.179 L31V
- 58486 DVORNIKOV, P. P. An important date [October 20, 1948] in the history of the Soviet nation. (In Russian.) *Lesn. Khoz.* 3(10):14-18. Oct. 1950. 99.8 L5622
Stalin Plan to change nature.
- 58487 FORMAN, J. Soil conservation districts and the rest of us. *Land News* 11(2):30-34. 1951. 279.8 L22L
- 58488 FURON, R. Le sol, la forêt et l'eau. Paris, Dunod, 1950. 47 p. 56.7 F982S
Les hommes et leur nourriture, publié sous les auspices de l'UNESCO.
Soil conservation.
- 58489 GLOVER, SIR H. Erosion del suelo: sus causas y remedios. *Res* 19:25751-25754. Feb. 20, 1951. 286.85 R31
- 58490 GOLUBEVA, L. A. On dust storms and measures for their control. (In Russian.) *Vsesoiuzn. Geog. Obshch. Izv.* 82:522-532. Ref. Sept./Oct. 1950. 511 L546
Chiefly on shelterbelts.
- 58491 HARDIN, C. M. Land or people? *Land Econ.* 27:133-142. May 1951. 282.8 J82
Soil conservation programs.
- 58492 HICKMAN, E. The deepest furrow in the country. *Acco Press* 29(5):9. May 1951. 6 Ac2
Deep tillage in wind erosion control.
- 58493 IOGANZEN, B. G. Scientific conference on putting into practice the Stalin Plan to change nature in Tomsk Region. (In Russian.) *Priroda* 39(11):78-80. Nov. 1950. 410 P933
- 58495 KAISER, V. G., STARR, W. A., and JOHNSON, S. B. Types of topography as related to land use in Whitman County, Washington. *Nowest. Sci.* 25:69-75. May 1951. 470 N81
- 58496 KENNERLY, A. B. Taking the cost out of conservation; Milam County, Tex., is following a new plan in an effort to speed up its soil conservation work. *Prog. Farmer, Tex. Ed.* 66(6):17. June 1951. 6 T311
- 58497 KIRSCHNER, J. G. W. The law of the land. *Town & Country Church* 70:7. Apr. 1951. 281.28 T66
Soil conservation.
- 58498 LADEWIG, J. E., and SKINNER, A. F. Soil conservation in Queensland. 6. Pondage and diversion structures. *Queensland Agr. J.* 72:3-10. Jan. 1, 1951. 23 Q33
- 58499 LAMBETH, W. O. The earth is the Lord's and the fulness thereof. *Town & Country Church* 70:3-4. Apr. 1951. 281.28 T66
Teaching of soil conservation through the church.
- 58500 LAWS, P. Soil. *Chartered Surveyors' Inst. J.* 30:890-893. May 1951. 282.9 C38J
Erosion.
- 58501 MADING, Ein landkreis sorgt fur landespflege. *Unser Wald* 3(9):6. Sept. 1950. 99.8 Un7
- 58502 MAHER, C. The development of soil conservation in Kenya Colony. I. *World Crops* 3:215-218. June 1951. 281.8 W892
- 58503 MONOD. La conservation des ressources naturelles en Afrique Noire Française. B. d'Inform. A.O.F. 76:1-3,77:1-5. Nov. 16-23, 1950. 280.8 B875
Soil conservation.

- 58504 MOULIN, P. Report on the action taken by the Forest Service for the conservation and improvement of the soils of Guadeloupe. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.211-212. Port of Spain, Caribbean Comn. Cent. Sec., 1950. 56.09 So3
- 58505 MUCIUS, F. Terraces, soil conservation's most shown landmark. Oreg. Grange B. 50(21,illus.sect.): 1-2,6-7. Apr.5,1951. 6 Or3
- 58506 NOLL, J. J., ROEHL, J. W., and BENNETT, J. Effects of soil conservation on sedimentation in Lake Issaqueena, Pickens County, South Carolina. U. S. Soil Conserv. Serv. SCS-TP 95,20 p. Aug.1950. 1.96 Ad6Tp
- 58507 PACIFIC SOUTHWEST FEDERAL INTER-AGENCY SEDIMENTATION CONFERENCE. Proceedings of the Sedimentation Conference held at Salt Lake City, Utah, January 31-February 1, 1950. n.p.,1950. Various pagings. (Paper No. 1) 173 F314
- 58508 PROGRESS in soil conservation. Fed. Reserve Bank Cleveland. Mon. Business Rev. 33(4):4-6. Apr.1951. 234.8 F31C
- 58509 PUENTES, M. La tragedia de la erosión. Rev. Agr. y Ganad. 13(132):15-16. Jan.1951. 9.4 R327 Colombia.
- 58510 QUINTEROS, M., AROCENA, E. T., and VERCESI, D. R. La erosión de los suelos. Tambo y Chacra 24(790):4. (Concl.) Mar.12,1951. 44.8 T15
- 58511 RAYCHAUDHURI, S. P. Indian soil and its conservation. Sci. & Cult. 16:286-289. Jan.1951. 475 Sci24
- 58512 ROSA, J. M., and TIGERMAN, M. H. Some methods for relating sediment production to watershed conditions. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Paper 26,19 p. May 1951. 1.9622 I2R31
- 58513 SALTER, R. M. Conservation of soil not an end in itself! Land use important. Better Farms 10(11): 9,15. May 1951. 6 B462
- 58514 SHUTTLEWORTH, D. A Karoo river comes to life; five landowners on the Oorlogspoort gain new vleis, new springs and "two farms for one"; value of New Zealand tall fescue. Farmer's Wk. [Bloemfontein] 81: 10-11,13,15. Apr.18,1951. 24 F225
- Soil and water conservation and revegetation.
- 58515 SMITH, R. M., and POHLMAN, G. G. Comparison of subsoils and surface soils in the greenhouse as an aid in understanding and reclaiming eroded soils. Agron. J. 43:259-264. June 1951. 4 Am34P
- 58516 SMITH, R. M. Soil conservation in Puerto Rico the function of research. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.166-169. Port of Spain, Caribbean Comn. Cent. Sec., 1950. 56.09 So3
- 58517 SOUTHWELL, P. H. The world problem of erosion. Soil conservation machinery. I. World Crops. 2:337-340. (To be cont.) Aug.1950. 281.8 W892
- 58518 STARR, W. A., and WHEETING, L. C. Land capability methods for conserving Washington soils. Wash. Agr. Expt. Sta. Pop. B. 200,40 p. Dec.1950. 100 W27E
- 58519 TEMPANY, H. Problems and treatment of soil erosion not yet completely solved. New Zeal. Farmer 72(2):10. Mar.15,1951. 23 N484
- 58520 THORP, E. M., and BROWN, C. B. Sedimentation in San Carlos reservoir Gila River, Arizona. U. S. Soil Conserv. Serv. SCS-TP-91,26 p. Ref. Feb.1951. 1.96 Ad6Tp
- 58521 WILSON, H. M., and KERR, H. A. Diversion terraces. N. Y. Agr. Col. Cornell Ext. B. 808,15 p. Dec.1950. 275.29 N48E
- 58522 WITT, G. C. Soil erosion in Trinidad. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p.125-128. Port of Spain, Caribbean Comn. Cent. Sec., 1950. 56.09 So3
- 58523 WYNN, W. An object lesson in Ethiopia's agriculture. Org. Farmer 2(9):42-46. Apr.1951. 57.8 Or3
- Conservation practices.
- Sanitation
- 58524 HALLOWAY, T. E. The burning of canefields. (In Portuguese.) Fazenda 46(4):32-33. Apr.1951. 6 H11P
- 58525 JACKS, H., and HUNTER, J. A. Apparatus for low-pressure steaming of nursery soil. New Zeal. J. Agr. 82:215-216. Mar.1951. 23 N48J
- 58526 LAWRENCE, W. J. C., and NEWELL, J. Seed and potting composts with special reference to soil sterilization. Ed. 4. London, Allen & Unwin, 1950. 166 p. 57.4 L43
- 58527 SCOTT, E. L. Soil treatment for pests and diseases. Natl. Chrysanthemum Soc. B. 7:14-15. Mar. 1951. 96.519 Ea7
- 58528 STARNES, O., REED, J., and FULMER, R. S. An improved soil fumigant applicator. Down to Earth 7:8. Summer 1951. 381 D75
- MATERIALS FOR SOIL IMPROVEMENT
- 58529 CALIFORNIA FERTILIZER ASSOCIATION. [Proceedings, twenty-seventh annual convention, San Diego, November 2, 3, and 4, 1950.] n.p., 1950. 54 p. 57.9 C122P
- 58530 HESTER, J. B. Mineral elements and nitrogen in plants-versus manure. Com. Fert. 82(6):52-53,75. June 1951. 57.8 C73
- 58531 SAUCHELLI, V. Service through research with particular reference to the fertilizer industry. Calif. Fert. Assoc. [Proc.] 27:39-44. 1950. 57.9 C122P
- 58532 SCHÖBER, K. Düngerlehre. Wien, Bohmann, 1951. 255 p. 57 Sch6
- 58533 SILVEIRA, G. G. DA. Fertilizers and corrections in the plan for the economic recovery and development of production in the State of Minas Gerais. (In Portuguese.) Lavoura 54:21,23. Sept./Oct.1950. 9.2 L39
- 58534 THOMAS, W. Abonos orgánicos e inorgánicos. Agrario 15(420):27-28. (To be cont.) Jan.1951. 9.8 Ag85
- Primary Materials
- 58535 AMARO BARCELOS, H. Abonos y fosfatos minerales. Hereford 18:190-191. Apr.1951. 43.8 H42
- 58536 DAVIES, G. R. Substitution of nitric for sulphuric acid in the production of phosphate fertilizers. Nature [London] 167:793. May 19,1951. 472 N21
- 58537 MEYER, W. Calcium nitrate. Calif. Fert. Assoc. [Proc.] 27:33-34. 1950. 57.9 C122P
- 58538 SCHOLL, W., and WALLACE, H. M. Composition of N-P-K mixed fertilizers in relation to guarantee. Assoc. Amer. Fert. Control Off. Off. P. 4:33-49. Nov. 1950. 57.9 As7
- 58539 WARREN, V. E. Bank brings in new fertilizer, farmers increase acreage yield. Nowest. Banker 56(767): 22,44. June 1951. 284.8 N81
- Secondary and Minor Element Materials
- 58540 ARNON, D. I. A memorandum regarding nomenclature. Internatl. Union Biol. Sci. [P.] Ser. B, Colloquia 1:40. 1950. 442.9 Un32S
- Terminology for minor elements.
- 58541 MORITZ, F. L. Trace minerals—what's the score to date? Mo. Farmer 43(5):4,21. May 1951. 6 M696
- 58542 THORNE, D. W. Are minor elements needed for Utah soils? Utah Farmer 71:367,396. May 3,1951. 6 D45
- Mixed Fertilizers and Fertilizer Technology
- 58543 FISHER, H. J. Report on inspection and analysis of commercial fertilizers, 1950. Conn. (State) Agr. Expt. Sta. B. 544,63 p. Dec.1950. 100 C76St
- 58544 JANDER, G. Zur konduktometrischen bestimmung des ammoniaks und der phosphorsäure in ammoniumsalzen und künstlichen düngemitteln. (Sum.) Angew. Chem. 63:221. May 7,1951. 384 Z33
- 58545 LEMMON, A. B. Report of the year. Calif. Fert. Assoc. [Proc.] 27:25-28. 1950. 57.9 C122P
- Bureau of Chemistry, California Dept. of Agriculture.
- 58546 MARIMPIETRI, L. Methods of fertilizer analysis. (In Italian.) Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P. 21,5 p. 1950. 105.4 R66
- 58547 MONTANA. AGRICULTURAL EXPERIMENT STATION. Commercial fertilizer report for 1950. Mont. Agr. Expt. Sta. B. 473,14 p. Dec.1950. 100 M76
- Fertilizer analysis.
- 58548 PENNSYLVANIA. DEPT. OF AGRICULTURE. Fertilizer report for the year 1950. Pa. Dept. Agr. B. 34(2),18 p. 1951. 2 P38B
- Analyses.
- 58549 PITSCHEMANN. Misch- und völdünger nur für den "rückständigen"? Hannoversche Land- u. Forstwirtschaft. 103:961-962. Oct.28,1950. 18 H194
- 58550 THORNTON, S. F. History and present status of the Magruder Check Fertilizer Sample. Assoc. Amer. Fert. Control Off. Off. P. 4:51-55. Nov.1950. 57.9 As7
- 58551 ZAVIEZO M., S. Abonos completos o mezclados. Campesino [Santiago] 83(3):21. Mar.1951. 9.3 So12

Fertilizer Statistics

58552 BECK, and PAUL. Statistiques générales concernant l'utilisation des engrais phosphatés. France. Min. de l'Agr. Rev. Inform. Econ. et Statist. 55:21-23, 25-27. Feb. 1951. 281.8 F84

58553 COLEMAN, R. Lost and found. Calif. Fert. Assoc. [Proc.] 27:17-18. 1950. 57.9 C122P
Fertilizer industry.

58554 COMMONWEALTH ECONOMIC COMMITTEE. A survey of the trade in fertilizers. Commonwealth Econ. Comt. Rpt. 34, 126 p. 1950. 280.39 G795

58555 DU TOIT, J. L. Fertilizers in the sugar industry. A comparison of prices and values. So. African Sugar J. 35:147, 149, 151, 155. Mar. 1951. 65.8 So8

58556 ILLNER, F. Der handelsdüngerverbrauch in der bayerischen landwirtschaft im dungejahr 1949/50 und in der ersten hälfte des dungejahres 1950/51. Bayern in Zahlen 5:62-64. Feb. 1951. 265 B34

58557 INTERNATIONAL SUPERPHOSPHATE MANUFACTURERS' ASSOCIATION. Nitrogen, phosphoric acid and potash statistics, 1949. London, 1950. 17 p. 57.9 In82N

58558 JACOBS, L. C. Reporting system versus tax tags. Assoc. Amer. Fert. Control Off. Off. P. 4:56-58. Nov. 1950. 57.9 As7

58559 JONES, R. Phosphate supply. Calif. Fert. Assoc. [Proc.] 27:20-22. 1950. 57.9 C122P

58560 KOCH, H. J. Fertilizers in South Africa. So. African Indus. Chem. 4:222-225. Dec. 1950. 385 So8

58561 KÜNNEMANN. Kritische betrachtungen zum düngerabsatz. Hannoversche Land- u. Forstwirt. Ztg. 104:85. Jan. 27, 1951. 18 H194

58562 LEAVITT, F. H. The 1950-51 nitrogen outlook. Calif. Fert. Assoc. [Proc.] 27:23-24. 1950. 57.9 C122P

58563 LOVERING, F. W. Tied his boat to elephant tusk, found phosphate; Florida industry born of dawn disclosure on Peace River in 1888, and fossil teeth in well. Fla. Grower 59(1243):5, 8. June 1951. 80 F6622

58564 NAGAI, S. Chemical fertilizer industry. Oriental Econ. 18:265-267. Apr. 7, 1951. 280.8 Or4
Japan.

58565 NELSON, J. H. Observations on the use of commercial fertilizers in the Stockton area. Calif. Fert. Assoc. [Proc.] 27:35-38. 1950. 57.9 C122P

58566 SANCHEZ BUEDO, E. El nitrato amonico y sus derivados. Agricultura [Madrid] 20:104-110. Mar. 1951. 15 Ag84

Fertilizer manufacture in Spain.

58567 SCHOLL, W., and WALLACE, H. M. Commercial fertilizer consumption in the United States 1949-50. Com. Fert. 82(6):21-22, 24-25, 27-28, 30-32. June 1951. 57.8 C73

Also in Agr. Chem. 6(6):31-37, 100-101. June 1951. 381 Ag8

58568 SCOTT, D. B. Potash supply. Calif. Fert. Assoc. [Proc.] 27:45-47. 1950. 57.9 C122P

58569 SMITH, J. B. Policies and progress. Assoc. Amer. Fert. Control Off. Off. P. 4:22-25. Nov. 1950. 57.9 As7

58570 TURRENTINE, J. W. The development of the American potash industry. Better Crops Plant Food 35: 6-14, 41-43. May 1951. 6 B46

58571 UNITED NATIONS ECONOMIC COMMISSION FOR ASIA AND THE FAR EAST. INDUSTRIAL DEVELOPMENT DIV. Chemical fertilizer industry in Asia and the Far East. Econ. B. Asia & Far East 1:29-39. First Q. 1950. 280.9 Un3653

58572 WIEDE, W. Welche stickstoffgaben sind in Niedersachsen wirtschaftlich? Hannoversche Land- u. Forstwirt. Ztg. 103:938. Oct. 21, 1950. 18 H194

Mineral Soil Amendments

58573 AGARWAL, R. M. Utilisation of the blast furnace slag in India. Sci. & Cult. 16:61-62. Aug. 1950. 475 Sc124

Includes use in soil improvement.

58574 MALHERBE, I. DE V. Dolomite agricultural lime, a soil improver and fertilizer. (In Afrikaans.) Landbouweekblad 33(1662):15, 19. May 23, 1951. 24 L232

58575 SULLIVAN, M. J. Agricultural gypsum. Crop Comments 4(5):1-2. Mar. 1951. 57.8 C88

Manures and Composts

58576 BARTON, K. P. The tests which mushroom compost must pass. Smallholder 84(2132):9. Mar. 30, 1951. 10 Sml

58577 BURROWS, S. Method of sampling and analysis of mushroom compost and the determination of absolute changes in them. Mushroom Sci. 1:44. 1950. 80 M972

58578 BURROWS, S. Some chemical changes in mushroom composts. Mushroom Sci. 1:45. 1950. 80 M972

58579 CHAPUIS, G., and COURTIEU, P. Le gobetage dans les cultures de champignons de couche. Mushroom Sci. 1:85-86. 1950. 80 M972

58580 CHRISTENSEN, W. Conditions for composting horse manure. Mushroom Sci. 1:59-60. 1950. 80 M972

58581 CHRISTENSEN, W. Technical control of composting. Mushroom Sci. 1:42-43. 1950. 80 M972

58582 CHRISTENSEN, W. Use of penicillin waste products for mushroom composts. Mushroom Sci. 1:64-66. 1950. 80 M972

58583 DAY, W. H. Proper handling of farm manure improves crop fertilization. Hoosier Farmer 36(5):16. May 1951. 280.82 H76

58584 DULK, P. R. DEN. Sewage purification in relation to agriculture and horticulture. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:71-88. Ref. Feb. 1951. 86 N384

English summary.

58585 EDWARDS, R. L. Synthetic compost. Mushroom Sci. 1:62-63. 1950. 80 M972

58586 ELLIOTT, C. Compost—why all the fuss? Countryman [Burford] 43:347-350. Summer 1951. 281.28 C832

58587 FAIRBANKS, S. Box method for making compost. Horticulture 29:234-235. June 1951. 80 H787

58588 FILIPPO, C. Artificial manure. (In Italian.) Tec. Agr. 2:158-159. Nov./Dec. 1950. 16 T22
Compost.

58589 GREEN, J. Manure is perishable; to realize full value conserve all liquids, plow under promptly. Mont. Farmer-Stockman 38(15):14-15. Apr. 1, 1951. 6 M764

58590 GREVE. Die herstellung von mehrungsmist (kunstmist). Hannoversche Land- u. Forstwirt. Ztg. 103: 889. Oct. 7, 1950. 18 H194

58591 HAUSNER, F. Kunstdünger. Obst u. Gart. 5: 173. Nov. 1950. 80 Ob75

58592 HEDIGER, R. Les bacteries symbiotiques. Terre d'Occ. 33:126-128. Apr. 1951. 14 Ar5
Chiefly compost.

58593 HOLMES, G. Make the most of your poultry manure. Mod. Poultry Keeping 64:566. May 23, 1951. 47.8 Eg3

58594 LANSDALE, D. There's money in those droppings. Mod. Poultry Keeping 64:331. Mar. 28, 1951. 47.8 Eg3

58595 LLOYD-HUGHES, T. Turning garbage into gold—a profit from their drains. Fruit & Prod. 5(7):11-13. Nov. 1950. 80 F9427

58597 MORGADO, M. L. The fertility of agricultural soil and compost. (In Portuguese.) Gaz. do Agr. 3:65-69. (To be cont.) Mar. 1951. 24 G25

58598 MORGADO, M. L. Soil fertilization and compost. (In Portuguese.) Gaz. do Agr. 3:70-71. Mar. 1951. 24 G25

58599 NIENABER. Der häckselhof hat heute grösste aussichten. Landwirtbl. Weser-Ems 98:206-207. Mar. 8, 1951. 18 L2345

Straw for compost and feed.

58600 PIZER, N. H. Horse manure composts. Mushroom Sci. 1:46-51. 1950. 80 M972

58601 RAIMO, H. F. Production and value of poultry manure as fertilizer. (In Portuguese.) Seleç. Agr. 6(59): 39-42. Mar. 1951. 9.2 Se4

58602 RAINERI, C. Guano of Peru. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(36):6-7. May 23, 1951. 281.8 Ag3-

58603 RANDLE, P. Question of manure: the problem of stock on the holding. Fruit-Grower 2890:885-886. May 17, 1951. 80 F941

58604 RENIUS, W. Gründüngung und zwischenerfrucht. Neue Mitt. f. die Landwirt. 6:279-280. (To be cont.) May 5, 1951. 18 N39
Germany.

58605 RUSSCHEN, J. The composting of straw in the winter of 1949-1950. (In Dutch.) Groninger Landtbl. 29(14):1. Apr. 7, 1951. 12 G892

58606 SCHON, R. C. Handling that manure; for success with loafing barns we must keep the litter from becoming soggy. Macdonald Col. J. 11(6):6, 8. Feb. 1951. 101 M144

58607 SCHULZ, W. Düngungsversuche mit frischem und ausgefaultem abwasserschlämm. Deut. Landwirt. 2: 236-237. May 1951. 18 D4822

58608 SCIUMBATA, G. Preservation of manure. (In Italian.) Terra e Sole 105:183-184. May 1951. 16 T273

- 58609 SINDEN, J. W., and HAUSER, E. The short method of composting. *Mushroom Sci.* 1:52-59. 1950. 80 M972
- 58610 VAN CLUTE, J. Wood waste for organiculture. *Org. Farmer* 2(9):21-23,53. Apr.1951. 57.8 Or3
- 58611 WELSH, R. F. Spices thrive on organic fertilizer. *Org. Farmer* 2(9):24-25,63. Apr.1951. 57.8 Or3

FORESTRY

GENERAL

- 58612 ARNST, A. Planning a public information program. *J. Forestry* 49:427-430. June 1951. 99.8 F768
- 58613 BARRACLOUGH, S., and RETTIE, J. C. The ownership of small private forest-land holdings in 23 New England towns. U. S. Forest Serv. Northeast. Forest Expt. Sta. Paper 34,32 p. Mar.1950. 1.9622 N2St22
- 58614 BEHM, H. W. Vom paradies zur kaltsteppe; bilder aus der urgeschichte des deutschen waldes. *Unser Wald* 3(9):12-13. Sept.1950. 99.8 Un7
- 58615 CAROTHERS, J. E. Leaves from the forest. *Town & Country Church* 70:1-2. Apr.1951. 281.28 T66
- 58616 CARULLO, F. The forest and mountain problem of the Emilia-Romagna region. (In Italian.) *Mercanzia* 6:7-125. Ref. Mar.1951. 287 B635
- 58617 DUNKELSBÜHLER, P. Forstliche probleme in Schweden. (Excerpts.) *Holz-Zentbl.* 77:147-148. Feb.1, 1951. 99.81 H742
- 58618 GUDE, J. Theorie und praxis im forstwesen. *Österr. Vrtjahresschr. f. Forstw.* 91:135-146. 1950. 99.8 Oe8
- 58619 HESKE, F. Besitz und verpflichtung; ein beitrag der waldwirtschaft zur sozialökonomischen problematik unserer zeit. *Bundesanst. f. Forst- u. Holzwirt.* Mitt. 19,165 p. Ref. May 1950. 99.9 R273
- 58620 JAMES, N. D. G. A land agent's bookshelf. I. *Forestry. Land Agents' Soc. J.* 50:67-70. Feb.1951. 282.9 L22
- 58621 OSIPIAN, L. Forestry of Armenian SSR. (In Russian.) *Lesn. Khoz.* 3(11):26-30. Nov.1950. 99.8 L5622
- 58622 OSTWALD, H. Zur frage: "geldbilanz in der forstwirtschaft." *Holz-Zentbl.* 76:1717-1718. Dec.19, 1950. 99.81 H742
- 58623 PHILIPPINES (REPUBLIC) BUR. OF FORESTRY. Forestry golden book, published on the occasion of the golden anniversary of the Bureau of Forestry (organized on April 14, 1900) and the emerald anniversary of the College of Forestry, U.P. (founded on April 19, 1910). Manila, 1950. 256 p. 99.69 P535
- Have also supplement. 88 p.
- 58624 RICHEN, C. A pre-view of supts. woods trip. *Pulp & Paper* 25(6):36,38. June 1951. 302.8 P11
- To a tree farm in Canada.
- 58625 SCHEUBLE, R. Die forstwissenschaftlichen und forstfachlichen veröfentlichungen von Hofrat Professor Dipl.-Ing. H. Lorenz-Liburnau. *Österr. Vrtjahresschr. f. Forstw.* 91:30-35. Ref. 1950. 99.8 Oe8
- 58626 SCHWARZ. Forstliches aus der Schweiz. *Österr. Vrtjahresschr. f. Forstw.* 91:147-149. 1950. 99.8 Oe8
- 58627 TURC, L. Les sources de la sylviculture de Maclo. *Rev. Forest. Franç.* 1951:292-302. Apr.1951. 99.8 R329
- 58628 U. S. FOREST SERV. List of private consultants in forest operations. Washington, 1951. 25 p. 1.962 C5L69
- 58629 WATTS, L. F. The role of forests and foresters in our national economy. *J. Forestry* 49:405-407. June 1951. 99.8 F768
- 58630 WILCKENS, H. A. Forstliche bilanzierung. *Holz-Zentbl.* 77:21-23. Jan.6, 1951. 99.81 H742
- 58631 ZAMKOVY, V. P. A forest in the steppe. (In Russian.) *Priroda* 39(12):24-29. Dec.1950. 410 P933
- Century-old experiment in forestry at Veliko-Anadol.

Education

- 58632 CHAMPION, H. G. The new Imperial Forestry Institute, University of Oxford. *Unasylya* 5:23-24. Jan./Mar.1951. 99.8 Un1
- 58633 COWAN, T. A. Training of forest personnel in simple conservation measures. *Pulp & Paper Mag. Canada* 52(6):132,134. May 1951. 302.8 P96
- 58634 ECKMÜLLNER, O. Erziehung der jugend zum wald. *Allg. Forstztg.* 62:73-74. May 1951. 99.8 AL53
- Austria.

- 58635 PLATZER, H. B. Erfahrungen mit waldwegetarierlehrgängen. *Allg. Forstz.* 6:211-212. May 2, 1951. 99.8 AL52
- 58636 SACCHI, G. Social and economic importance of forest school camps. (In Italian.) *Agr. Ital.* 2:181-188. Apr.1, 1951. 16 Ag822

Policies, Programs, Administration

- 58637 ALAUX, and CANABY, M. Historique du reboisement des Corbières. *Rev. Forest. Franç.* 1951:321-334. May 1951. 99.8 R329
- 58638 AMMON, W. Soll der "holzackerbau" wiederkommen? *Thun, Schaer*, 1950. 16 p. 99.66 Am6
- 58639 BARNARD, E. Westfalen gegen eine verstepung. *Unser Wald* 3(9):2-3. Sept.1950. 99.8 Un7
- Planting of windbreaks.
- 58640 BERRY, C. D., JR. Area-wide forestry demonstrations set; selective cutting, fire control, tree planting and other phases of forestry to be featured. *East Tex.* 25(7):12,21. Apr.1951. 6 Ea73
- 58641 BOLTON, LORD. Problems of post-war forestry. *Q. J. Forestry* 45:73-78. Apr.1951. 99.8 Q2
- England.
- 58642 BOVIN, A. I. Leaders in forestry in the effort for fulfilling the Stalin Plan to change nature. (In Russian.) *Lesn. Khoz.* 3(10):5-8. Oct.1950. 99.8 L5622
- 58643 BRUCE, C. A. Wood in the mobilization program. *Wood Working Digest* 53:81-82,84,86,88,90,92,94-97. June 1951. 99.82 W87
- 58644 CHUMAKOV, S. P. At the leading positions in the combat with drought. (In Russian.) *Lesn. Khoz.* 3(11):38-40. Nov.1950. 99.8 L5622
- Afforestation policy of Kufánskaia forest conservation station in Ukraine.
- 58645 DESCH, H. E. Forestry in Britain to-day. *Estate Mag.* 51:189-192. May 1951. 10 Es8
- 58646 DIDKOVSKIY, K. M. We shall work still better (In Russian.) *Lesn. Khoz.* 3(11):41-43. Nov.1950. 99.8 L5622
- Policy and achievement in afforestation of Ovruch forestry enterprise.
- 58647 EWIG. Weshalb forstbetriebsregelungen? *Hannoversche Land- u. Forstwirt. Ztg.* 104:271. Mar.24, 1951. 18 H194
- 58648 HASEL, K. Gemeindeselbstverwaltung und beförderung in Baden. *Forstwiss. Centbl.* 70:18-41. Ref. Jan.1951. 99.8 F775
- 58649 HEUELL. Zur frage der verwaltungsreform der forstlichen mittelinanz. *Forst u. Holz* 5:333-336. Nov.1, 1950. 99.8 F7724
- 58650 KOEHLER, W. Der haushalt der niedersächsischen forstverwaltung unter besonderer berücksichtigung seiner auswirkung auf die personellen und betriebswirtschaftlichen verhältnisse. *Deut. Forstmann* 1951:13-17. In *Forst u. Holz* 6(4). Feb.15, 1951. 99.8 F7724
- 58651 KOEHLER, W. Niedersachsens forstetat unter der lupe. *Deut. Forstmann*, 1951:65-67. (To be cont.) In *Forst u. Holz* 5(21). Nov.1, 1950. 99.8 F7724
- 58652 KOROLEV, A. V. Communication on the Technical Conference for Investigating the Project Assignment of the State Shelterbelt, Gora Vishnevaya-Ural sk-Caspian Sea. (In Russian.) *Vsesoyuzn. Geog. Obshch. Izv.* 82:612-614. Nov./Dec.1950. 511 L546
- 58653 KRAJNOV, I. I. To improve the planning and personnel training of forest conservation stations. (In Russian.) *Lesn. Khoz.* 3(10):49. Oct.1950. 99.8 L5622
- 58654 LABZIN, V. G. Davydovskaya Forest Conservation Station in the effort for the Stalin Plan to change nature. (In Russian.) *Lesn. Khoz.* 3(10):44-45. Oct.1950. 99.8 L5622
- 58655 LENZ. Aufforstungsaktion. *Landwirtschaft* 1951:24. Jan.1951. 19 L235
- Austria.
- 58656 LOOS, E. Die beförderung und ihre produktions- und sozialpolitische auswirkung auf die österreichische volkswirtschaft. *Allg. Forstztg.* 62:75-76. May 1951. 99.8 AL53
- 58657 MARDZHANISHVILI, A. Foresters of Georgia [U.S.S.R.] in the effort to change nature. (In Russian.) *Lesn. Khoz.* 3(11):22-25. Nov.1950. 99.8 L5622
- Afforestation policy.
- 58658 MILLER, F. T. County forestry committees sponsor good forest management. *Outdoor Ind.* 18(5):6,17. May 1951. 279.8 Oa82
- 58659 MORGUNOV, N. S. Forestry workers will fight for the right to participate at the All-Union Agricultural Fair. (In Russian.) *Lesn. Khoz.* 3(10):31-33. Oct. 1950. 99.8 L5622

- 58660 NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 25 years of Clarke-McNary tree distribution. Nebr. Agr. Col. Ext. E. C. 1728, 14 p. 1951. 275.29 N272Ex
- 58661 NEW BRUNSWICK. DEPT. OF LANDS AND MINES. 114th annual report for the year ended 31st October 1950. Fredericton, 1951. 151 p. 253.3 C88
Includes report on forest administration and research and land settlement.
- 58662 PACHIN, G. A. Closer industrial ties between mechanizers and silvicultural workers. (In Russian.) Lesn. Khoz. 3(10):46-47. Oct. 1950. 99.8 L5622
Policy of Kutianskaja Forest Conservation Station.
- 58663 PEREIRA, J. A. The reforestation of Madeira. (In Portuguese.) Frutas da Madeira 10:103, 109. Mar. 1951. 286.83 F9422
- 58664 REINBEK, GER. BUNDESANSTALT FÜR FORST- UND HOLZWIRTSCHAFT. Bundesanstalt für Forst- und Holzwirtschaft; 1930-1950. Hamburg, 1950. 32 p. 99.9 R27
- 58665 RUCH, W. A. Phillips Brook Conservation Project. Pulp & Paper Mag. Canada 52(5):149. Apr. 1951. 302.8 P96
New Hampshire.
- 58666 SCHNEEBERGER, P. Bankrottwirtschaft bei den österreichischen Bundesforsten. Landarb. Arch. 6:4-8. Jan. 1951. 283.8 L23
Policy.
- 58667 SENCHUROV, K. T. The imperialists are plundering the forest resources of Western Germany. (In Russian.) Lesn. Promysh. 10(9):30-32. Sept. 1950. 99.82 L56
- 58668 SWEDEN. STATENS SKOGSFORSKNINGSINSTITUT. Berättelse över verksamheten vid Statens Skogsforskningsinstitut under år 1949 [Report of the activities of the State Forest Research Institute during the year 1949]. Sweden. Stat. Skogsforskninst. Meddel. 39(6), 18 p. 1950/51. 99.9 Sw32
- 58669 TREE farming—an American innovation. Land News 11(2):10-14. 1951. 279.8 L22L
- 58670 U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Twenty-fourth annual report, 1950. Columbus, 1951? 65 p. 1.9 F76252
- 58671 U. S. FOREST SERV. LAKE STATES FOREST EXPERIMENT STATION. Annual report, 1950. St. Paul, 1951? 30 p. 1.9 F76251
- 58672 U. S. FOREST SERV. NORTHEASTERN FOREST EXPERIMENT STATION. The annual report, 1950. Upper Darby, 1951. 102 p. 1.9 F76222
- 58673 UTTAR PRADESH. FOREST DEPT. Annual progress report on forest administration in the United Provinces for the year 1948-49. Allahabad, 1950. 49 p. 99.9 In2N
- 58674 VAS'KOV, I. G. Socialist competition [in shelterbelt silviculture]—fundamental method for timely fulfillment of the Stalin Plan to change nature. (In Russian.) Lesn. Khoz. 3(10):19-23. Oct. 1950. 99.8 L5622
- 58675 VAUGHAN, B. State and municipal forests. (In Portuguese.) Chacaras e Quintais 83:429-430. Apr. 15, 1951. 9.2 C34
Brazil.
- 58676 VERBOVOI, V. M. We shall complete the construction of the [Mikhailovskaja Forest Conservation] station for the 33d anniversary of the Great October [Revolution]. (In Russian.) Lesn. Khoz. 3(10):47-48. Oct. 1950. 99.8 L5622
- 58677 VOINENKO, M. D. To the cares of the Party and Government we shall respond with a further improvement of work. (In Russian.) Lesn. Khoz. 3(11):34-37. Nov. 1950. 99.8 L5622
Forestry policy of Zhitomir Region.
- 58678 WEATHERBY, H. Tree farm development in Washington, story of steady achievement. Brit. Columbia Lumberman 35(5):45-46, 70. May 1951. 99.81 B77
- 58679 ZHUKOV, I. V. Forestry workers of RSFSR in the effort for fulfilling the Stalin Plan to change nature. (In Russian.) Lesn. Khoz. 3(11):15-21. Nov. 1950. 99.8 L5622
- Legislation and Taxation**
- 58680 EBERTS, H. Forstgesetzgebung in Rheinland-Pfalz. Allg. Forstz. 6:183-188. Apr. 25, 1951. 99.8 AL52
- 58681 EBERTS, H. Grundgedanken zeitgemässer forstgesetzgebung. Forst u. Holz 5(21,sup), 8 p. Nov. 1, 1950. 99.8 F7724
- 58682 JUKARAINEN, N. Certain plans in the sphere of social legislation. (In Finnish.) Suomen Uittajainyhdist. Vuosikirja 19:72-77. 1950. 292.49 V98Y
English summary.
Includes forestry legislation.
- 58683 KLOTZ, K. Wo bleibt das waldschutzgesetz in Bayern? Allg. Forstz. 6:227-228. May 16, 1951. 99.8 AL52
- 58684 LORENZ-LIBURNAU, H. Zur frage der erlassung eines neuen österreichischen forstgesetzes. Österr. Vrtljahresschr. f. Forstw. 91:1-11. 1950. 99.8 Oe8
- 58685 MALSBERG, H. VON DER. Zur forstpolitischen gesetzgebung vom standpunkt des Hessischen privatwaldes gesehen. Allg. Forstz. 6:225-227. May 16, 1951. 99.8 AL52
- 58686 OSTWALD, H. Bilanz- und steuerfragen in der forstwirtschaft. Forst u. Holz 6(4,sup), 6 p. Feb. 15, 1951. 99.8 F7724
- 58687 PATTERSON, A. E. The Georgia Licensing Act for foresters. J. Forestry 49:413-418. June 1951. 99.8 F768
- 58688 PETERSON, H. Om skogsvårdslagens tillämping. On the application of the forestry conservation law. Sweden. Stat. Skogsforskninst. Meddel. 39(2), 38 p. 1950/51. 99.9 Sw32
English summary.
- 58689 STREYFFERT, T. The community interest and forestry. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 48:325-342. 1950. 99.8 Sk5
Chiefly on legislation.
- 58690 STROBL, F. 100 jahre österreichisches reichsforstgesetz: das forstgesetz wird novelliert. Österr. Bauernbündler 7(19):3. May 12, 1951. 19 Os7
- 58691 U. S. FOREST SERV. Administrative procedures for Cooperative Forest Management Act of 1950. Washington, 1951. 40 p. 1.962 C5Ad6
Forest Description and Resources
- 58692 ANDRADA, E. C. A concrete case of the forestry value of Mozambique. (In Portuguese.) Agros [Lisboa] 34:67-81. Jan./Feb. 1951. 15.5 Ag82
- 58693 ARMAN, V. Some preliminary results from the State forest census of Jönköpings, Kronobergs and Kalmar Provinces. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 48:343-390. 1950. 99.8 Sk5
- 58694 BEKREEV, I. A. The cedar [Cedrus] forests of Orlov Region. (In Russian.) Lesn. Khoz. 3(11):56-57. Nov. 1950. 99.8 L5622
- 58695 BOROVoi, V. IA. The forests of Korea. (In Russian.) Lesn. Khoz. 3(10):61-62. Oct. 1950. 99.8 L5622
- 58696 CRUIKSHANK, J. W. Trends in Florida's timber supply. South. Lumberman 182(2285):39. June 15, 1951. 99.81 So82
- 58697 FAYE, H. Forest remnant. Nat. Hist. 60:264-269. June 1951. 500 N483J
Cook Forest State Park, Pennsylvania.
- 58698 MUIR, J. Forests and the nation. Pulp & Paper Mag. Canada 52(5):125-126, 129. Apr. 1951. 92.8 P96
- 58699 NICOLEAU, L., and CANABY, M. Valeur économique de la forêt des Corbières et des Pyrénées Audoises. Rev. Forest. Franç. 1951:335-338. May 1951. 99.8 R329
- 58700 POOLE, A. L. New Zealand's exotic softwood forests. Brit. Agr. B. 4(13):9-14. May 1951. 10 B776
- 58701 RETTIE, J. C., DOVERSPIKE, G. E., and BANKS, W. G. Forest resources of the Monocacy River Watershed of Maryland and Pennsylvania. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 40, 29 p. Mar. 1951. 1.9622 N2st22
- 58702 SIMONEN, M. World forest resources according to FAO. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 48:414-425. 1950. 99.8 Sk5
- 58703 U. S. FOREST SERV. Forest plantings in the United States, 1950. Washington, 1950? 4 p. 1.962 C5Su6
Statistics.
- 58704 U. S. FOREST SERV. Payette National Forest, Idaho. Washington, 1951. 19 p. 1 F766P
- 58705 U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Forest statistics for eastern Tennessee. U. S. Forest Serv. South. Forest Expt. Sta. Forest Survey Release 66, 25 p. Apr. 1951. 1.9 F7624F
- 58706 USTINOVSKAJA, L. T. Through the forest massifs of the steppe zone in Ukrainian SSSR. (In Russian.) Priroda 39(11):25-36. Ref. Nov. 1950. 410 P933
Description of forest plantings chiefly.
- 58707 VILLIERE, A. Vues générales sur les forêts et les industries du bois au Canada. Rev. du Bois 6(4):10-14. Apr. 1951. 99.82 R32
- 58708 WEISS, A. Hübnerschaftswald Neut ronn, beispiel für ertragssteigerung im bäuerlichen genossenschaftswald. Allg. Forstz. 6:209-210. May 2, 1951. 99.8 AL52
Germany.

Individual Genera and Species

- 58709 ALFONSO, J. L. La lenga. Bolsa de Com. Rosario. Rev. 39(939):15-19. Feb. 28, 1951. 287 R71
Nothofagus antarctica.
- 58710 ARISTEGUIETA, L. Los manglares de "Los Roques." Agr. Venezol. 15(148):27. Dec. 1950. 9.95 Ag8
Rhizophora mangle, Avicennia nitida, Laguncularia racemosa, and Conocarpus erecta.
- 58711 BAKSHI, B. K. Mortality of Casuarina equisetifolia Forst. Indian Forester 77:269-276. Apr. 1951. 99.8 In2
- 58712 CABARGA, G. Tierra de pinares. Agr. Bur-galés 18(194):4-6. Feb. 1951. 15 Ag86
Spain.
- 58713 CILIBERTO, L. Una especie de gran valor: el alcornoque. Mundo Agr. 2(19):86-87. Dec. 1950. 9 M92
- 58714 COINTAT, M. Station de chênes exotiques à Saint-Marcel de Carreiret (Gard). Rev. Forest. Franç. 1951:268-273. Apr. 1951. 99.8 R329
- 58715 CONSTANTINO, I. N. La "lenga" [Nothofagus pumilio]; estudio forestal y metodo de tratamiento. La Plata. U. Nac. Facul. de Agron. Rev. 27:197-220. Ref. July 1950. 9 R32
English summary.
- 58716 FLETCHER, M. I. Balsa [Ochroma]—production and utilization. Econ. Bot. 5:107-125. Apr./June 1951. 450 Ec7
- 58717 HARPER, A. R. The conifers of Ohio. Ohio Conserv. B. 15(3):8-9, 28-29. Mar. 1951. 279.9 Oh330
- 58718 MOLUKALO, I. S. Two forms of Littleleaf Linden [Tilia cordata]. (In Russian.) Lesn. Khoz. 3(11):74. Nov. 1950. 99.8 L5622
- 58719 NATIVIDADE, J. V. Pour l'étude de l'exploitation économique des chênaies dans la commune de Grândola. Portugal. Junta Nac. da Cortiça. B. 13(149,sup.):11-14. Mar. 1951. 309.9 J96
- 58720 NORDMARK, O. On the variation in pine types in South Sweden. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 48:406-409. 1950. 99.8 Sk5
- 58721 SAMPAIO, J. S. For economical study of the cork forests of Grandola. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 13:115-124. Mar. 1951. 309.9 J96
English summary, p. XXIX
- 58722 THOMSON, A. P. Bibliography of Pinus radiata (Don). Forest Res. Inst. Forest Res. Notes 1(1), 14 p. July 1950. 99.9 W46
- 58723 TSCHERMAK, L. Die natürliche verbreitung der tanne in Österreich. Österr. Vrtljahresschr. f. Forstw. 91:86-98. 1950. 99.8 Oe8
- 58724 WETTSTEIN, W. Merkblatt für die anzucht von euro-amerikanischen pappeln in Österreich. Österr. Vrtljahresschr. f. Forstw. 91:146-147. 1950. 99.8 Oe8
- 58725 YARHAM, E. R. Sitka spruce flourishes in Great Britain. Brit. Columbia Lumberman 35(5):77. May 1951. 99.81 B77
- FOREST MANAGEMENT AND FINANCE**
- 58726 ADAMO, O. A. D'. El sistema de valuación de bosques en la Argentina. Soc. Rur. Argentina. An. 85(2):25-34. Feb. 1951. 9 So1
- 58727 ANTONOV, A. V. New system of accounting, payment of labor and cost accounting in the assembly line brigades. (In Russian.) Lesn. Promysh. 10(11):7-10. Nov. 1950. 99.82 L56
- At the logging enterprises.
- 58728 BAYLY, G. H. Management of municipal forests. Pulp & Paper Mag. Canada 52(5):141-143. Apr. 1951. 302.8 P96
- 58729 BELCHER, R. C. Absentee-owned forests. Pulp & Paper Mag. Canada 52(5):151-152, 155. Apr. 1951. 302.8 P96
- 58730 CHAPMAN, H. H. Grass roots forestry. J. Forestry 49:424-426. June 1951. 99.8 F768
- 58731 DEMERITT, D. B. The status of forestry on pulpwood lands in New England. Pulp & Paper Mag. Canada 52(5):165, 167-168, 171, 173. Apr. 1951. 302.8 P96
- 58732 DIETERICH, V. Forstliche betriebswirtschaftslehre, v. 1. Ed. 3. Berlin, Parey, 1950. 440 p. 99.55 D56
- 58733 DIETERICH, V. Missstimmigkeiten forst- und holzwirtschaftlicher zielsetzung. Holz-Zentbl. 77:67-68. Jan. 16, 1951. 99.81 H742
- 58734 DOVERSPIKE, G. E., RETTIE, J. C., and CAMP, H. W., JR. Timber markets and marketing in the Monocacy River Watershed of Maryland and Pennsylvania. U. S. Forest Serv. Northeast. Forest Expt. Sta. Paper 41, 17 p. Mar. 1951. 1.9622 N2St2
- 58735 DRUCE, E. Now and for a hundred generations. Canad. Pulp & Paper Indus. 4(6):24-25. June 1951. 302.8 W52
Sustained yield under forest management license granted to Columbia Cellulose Company.
- 58736 ENDLER, H. Rationelle Auwaldwirtschaft. Österr. Vrtljahresschr. f. Forstw. 91:12-27. 1950. 99.8 Oe8
With an introduction by L. Tschermak.
- 58737 FEVRIER, J. G. La economia en los bosques franceses. Montes 7(37):41-42. Jan./Feb. 1951. 99.8 M763
- 58738 GOODFELLOW, A. W. Private forest land management symposium. Pulp & Paper Mag. Canada 52(5):138, 141. Apr. 1951. 302.8 P96
- 58739 GUDE, J. Vordringliche aufgaben der forstlichen betriebswirtschaft. Österr. Vrtljahresschr. f. Forstw. 91:193-200. 1950. 99.8 Oe8
- 58740 HAGENSTEIN, W. D. Report on tree farming in the Douglas fir region. Lumberman 78(5):88, 90, 92, 116. May 1951. 99.81 W52
- 58741 HUNT, J. C. Permanent forests in the coastal counties. Oreg. Dept. Agr. Agr. B. 169:13-15. Mar. 1951. 2 Or3
Oregon.
- 58742 KASPAROVA, V., and GORDEEV, I. To compete with leaders in production. (In Russian.) Lesn. Khoz. 3(10):24-25. Oct. 1950. 99.8 L5622
Achievements of workers in silviculture at the forestry enterprises in Voronezh Region.
- 58743 KERTING, H. U. Grundbegriffe der vermessungskunde; leitfaden für die forstliche vermessungspraxis und den waldwegebau. Ed. 2, enl. Hannover, Schaper, 1950. 120 p. 99.74 K47
- 58744 KNIPPEL, R. Die wirtschaftlichkeit in der niedersächsischen staatsforstverwaltung. Forst u. Holz 5:318-320. Oct. 15, 1950. 99.8 F7724
- 58745 KOEHLER, W. Niedersachsens forstetat unter der lupe. Deut. Forstmann, p. 61-63. (To be cont.) In Forst u. Holz 5(20). Oct. 15, 1950. 99.8 F7724
- 58746 KOROLEFF, A. Woods labour and forest management. Pulp & Paper Mag. Canada 52(5):134, 136. Apr. 1951. 302.8 P96
- 58747 KOVALEV, E. M. Speeding up the turnover of capital [in the lumbering enterprises]—most important State problem. (In Russian.) Lesn. Promysh. 10(11):29-30. Nov. 1950. 99.82 L56
- 58748 LENZ, A. Technik in der forstwirtschaft. Landwirtshaft 1951:121-123. (To be cont.) Apr. 1951. 19 L235
Austria.
- 58749 MALLET, J. Valeur économique de la forêt pyreneenne. Toulouse. U. Lab. Forest. Trav. 5(1):1-31. 1950. 99.9 T64
Reprinted from Federation pyreneenne d'économie montagnarde. Annales 15:73-103. 1949.
- 58750 MORA DÁVILA, N. Los bosques industriales del país. Rev. Agr. y Ganad. 13(133):12-13. Feb. 1951. 9.4 R327
Management in Colombia.
- 58751 OLBERG, A. Maximale wertholzleistungsfähigkeit in gleichaltrigen reinen beständen. Forstwiss. Centbl. 70:1-17. Jan. 1951. 99.8 F775
- 58752 PRIKHOD'KO, I. P. Ahead—3d brigade. (In Russian.) Lesn. Khoz. 3(10):50. Oct. 1950. 99.8 L5622
Achievements in production of workers of Davydovskaja Forest Conservation Station.
- 58753 RÖHRIG, H. Über die wirtschaftlichkeit im forstkulturbetrieb. Hannoversche Land- u. Forstwrt. Ztg. 104:295-296. Mar. 31, 1951. 18 H194
- 58754 TRAMPLER, T. Change in the system of forest management and the forest experimentation in Poland. (In Czech.) Interagra 4:428-432. 1950. 28 In825
English summary.
- 58755 TSCHERMAK, L. Schaffung einzelner forstwirtschaftlicher musterbetriebe in Österreich. Österr. Vrtljahresschr. f. Forstw. 91:129-134. 1950. 99.8 Oe8
- 58756 TUTENKOV, N. N. Results of socialist competition of workers in the leading trades [connected with forestry]. (In Russian.) Lesn. Khoz. 3(11):31-33. Nov. 1950. 99.8 L5622
- 58757 U. S. FOREST SERV. Timber management plans on the national forests, by L. S. Gross. Washington, 1951. 59 p. 1.962 T2T48
- 58758 VENET, J. Découpe et classement. Rev. Forest. Franç. 1951:241-267. Apr. 1951. 99.8 R329

Farm Woodlands

58759 ANDREW, M. "Management" for the small woods owner. *Outdoor Ind.* 18(4):6-7,10. Apr.1951. 279.8 Oa82

58760 BEDUS, E. Wirtschaftsplanung im bauernwald. *Landwirtschaft* 1951:41-44. Feb.1951. 19 L235 Austria.

58761 BOELTER, A. H. Woodlot forestry. *Mich. Conserv.* 20(3):8-10. May/June 1951. 279.9 M582

58762 BORDEN, H. L. Farm forestry is on the march—timber future in hands of farmer. *Ky. Farm Bur. News* 14(11):6. Feb.1951. 275.293 Kentucky

58763 DELISLE, R. Quebec farm woodlots. *Pulp & Paper Mag. Canada* 52(5):143-144,147-148. Apr.1951. 302.8 P96

58764 GUILD, J. D. Prairie windbreaks pay off; seventy-five years ago Mennonite farmers in Manitoba planted poplars to protect their homes. Since then millions of trees have proven the value of shelter belts. *Family Herald & Wk. Star* 82(19):3,18. May 10,1951. 7 F21

58765 JAEGER. Die vielseitigen vorteile der windschutzstreifen. *Hannoversche Land- u. Forstwirtschaft.* 103:1037. Nov.18,1950. 18 H194

58766 KIRWALD. Eine kulturart ersten ranges. *Unser Wald* 3(9):4-5. Sept.1950. 99.8 Un7
Planting of windbreaks to control erosion.

58767 RAVENSCROFT, V. F. Tree planting for Idaho farms. *Idaho. Agr. Col. Ext. B.* 185,30 p. Apr.1951. 275.29 Id13

Windbreaks, erosion control, and ornamental plantings.

58768 RUPP, R. G. What's a windbreak worth? *Farmer [St. Paul] Gen. Ed.* 69(8):1,12. Apr.21,1951. 6 F2211

58769 SCHOEN, P. W. Are you selling your trees? *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(3):80,82. Mar.1951. 6 P945G

58770 SIEBENBAUM. Die betreuung des bauernwaldes aus anderem blickwinkel gesehen. *Forst u. Holz* 6:49-51. Feb.15,1951. 99.8 F7724

58771 SPILLMANN, W. Zum problem der ertragssteigerung im bauernwald. *Kärntner Bauer* 101:203-205. Apr.15,1951. 19 K14

58772 TROW-SMITH, R. There may well be money in trees. *Farmer & Stock-Breeder* 65(3209):83. Apr.24, 1951. 10 F228

Management of hedgerows and spinneys in Great Britain.

58773 WRIGLEY, P. I. Woodland as a farm enterprise. *Pa. Agr. Expt. Sta. B.* 536,36 p. Ref. Feb.1951. 100 P381

58774 WRIGLEY, P. I. Woodland as a farm enterprise. *Pa. Agr. Expt. Sta. B.* 536P,4 p. Feb.1951. 100 P381

58775 ZARTL, E. Wirtschaftsziel und wirtschaftsgrundsätze im bäuerlichen wald. *Kärntner Bauer* 101:205. Apr.15,1951. 19 K14

Mensuration

58776 ANDERSEN, M. Form factor investigations and yield tables for Japanese larch in Denmark. *Denmark. Forstl. Forsøgskomm. Forstl. Forsøgsvaes. in Danmark* 19:331-410. Ref. Oct.30,1950. 99.9 D41

58777 BICKFORD, C. A. Form-class volume tables for estimating board-foot content of northern conifers. *U. S. Forest Serv. Northeast. Forest Expt. Sta. Paper* 38, 86 p. Jan.1951. 1.9622 N2St22

58778 BRENNEMAN, D. L. Measuring tree heights in dense young stands. *J. Forestry* 49:445-447. June 1951. 99.8 F768

58779 FAGGIONI, R. Prontuario per il cubaggio del legname [Volume tables for wood]. Milano, Vallardi, 1950 140 p. (Biblioteca di Cultura, 230-231) 99.76 F13

58780 GODMAN, R. M. A site classification and "quick-cruise" volume table for climax stands. *U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note* 11, 3 p. Mar.1951. 1.962 A3T22

Climax forests of southeast Alaska.

58781 HIDE, R. H. The problem of slope. *Q. J. Forestry* 45:89-94. Apr.1951. 99.8 Q2

Surveying.

58782 LEONT'EV, V. L. On determining the wood reserves in the saxoul [*Haloxylon ammodendron*] brushwoods. (In Russian.) *Bot. Zhur.* 35:637-644. Nov./Dec. 1950. 451 R923

Forest mensuration tables.

58783 LYNCH, D. W., and CHAPMAN, R. A. Sampling in tree measurement sales on Northern region national forests. *U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Paper* 27,47 p. Apr.1951. 1.9622 N3St1

58784 MAKAROV, N. I. A pendulum height indicator [for tree measurement]. (In Russian.) *Lesn. Khoz.* 3(10): 83-84. Oct.1950. 99.8 L5622

58785 OGORODOV, N. V. On the rate of growth of pine plantations in various types of forests in the North-East of European SSSR. (In Russian.) *Lesn. Khoz.* 3(11): 51-55. Nov.1950. 99.8 L5622

58786 USTINOVSKAYA, L. T. Productivity of the oak [*Quercus*] plantations in the valleys of the steppe rivers in Ukraine. (In Russian.) *Lesn. Khoz.* 3(10):53-57. Oct. 1950. 99.8 L5622

58787 ZACH, L. W. Distribution of volume in south-east Alaska trees. *U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note* 10,1 p. Mar.1951. 1.962 A3T22

58787 ZACH, L. W. Measuring log lengths. *U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note* 12, 1 p. Mar.1951. 1.962 A3T22

58788 ZAKHAROV, V. K. Varying the valuation characters of tree stands. (In Russian.) *Lesn. Khoz.* 3(11):66-70. Nov.1950. 99.8 L5622

58789 ZOLOCHEVSKIĬ, V. Z. Relationship between diameters of the trunk. (In Russian.) *Lesn. Khoz.* 3(11): 89. Nov.1950. 99.8 L5622

Aerial Surveying and Photography

58790 JOHNSON, W. L. Comparative accuracy and cost of topographic mapping by ground and air survey methods. *Brit. Columbia Lumberman* 35(5):47-50,114,116, 118,120. May 1951. 99.81 B77

58791 MIGNERY, A. L. Use of low-altitude continuous-strip aerial photography in forestry. *U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper* 118,19 p. Apr.1951. 1.9 F76240

Also in *J. Forestry* 49:449-450. June 1951. 99.8 F768

Silviculture

58792 ANDERSON, M. L. The selection of tree species; an ecological basis of site classification for conditions found in Great Britain and Ireland. *Edinburgh, Oliver & Boyd, 1950.* 151 p. 99.36 An22

58793 BERTHOLD, H. J. Kahlfächen und wiederaufbau eines biologisch gesunden waldes. *Forst u. Holz* 6: 51-53. Feb.15,1951. 99.8 F7724

58794 BLOCH, H. La silvicultura en los paises tropicales. *Agr. Trop.* 7(4):41-42. Apr.15,1951. 26 Ag8

58795 DERFABIN, D. I. Development of young oaks and pines in the dense plantings of Middle Volga Area. (In Russian.) *Lesn. Khoz.* 3(11):58-60. Nov.1950. 99.8 L5622

58796 HARLAN, D. B. Coast national forests have high potential growth. *Oreg. Dept. Agr. Agr. B.* 169:16-18. Mar.1951. 2 Or3
Oregon.

58797 HARTMANN, F. Vorschlag zur nachhaltigen hebung der produktivität unserer forstwirtschaft. *Österr. Vrtljahresschr. f. Forstw.* 91:35-38. 1950. 99.8 Oe8

Silviculture.

58798 HOLMSGAARD, E. Studier over højdetilvækst, kroneudvikling, oprensning m. v. i unge høgebevoksninger i Skåne. Studies on height increment, development of the crown, self-pruning, etc., in young beech stands in Skåne. *Sweden. Stat. Skogsforskinst. Meddel.* 39(1),82 p. Ref. 1950/51. 99.9 Sw32

English summary.

58799 IVANOV, V. The power of science—in its unity with production. (In Russian.) *Lesn. Khoz.* 3(10): 26-30. Oct.1950. 99.8 L5622

Introduction of Michurin-Lysenko biological ideas into silviculture.

58800 IVANOV, V. V. On the utilization of steppe depressions in shelterbelt silviculture. (In Russian.) *Priroda* 39(11):54-55. Nov.1950. 410 P933

58801 MATTHEWS, J. D. Forest genetics. *Nature [London]* 167:764. May 12,1951. 472 N21

58802 MICHEL, A. La limite altitudinale de la vegetation forestière dans les Pyrénées-Orientales. *Rev. For. est. Franç.* 1951:274-280. Apr.1951. 99.8 R329

58803 MOROKHIN, D. I. Growth of pure and mixed crops at Raifskii Leskhov [forest enterprise] in Tataria. (In Russian.) *Lesn. Khoz.* 3(11):61-64. Nov.1950. 99.8 L5622

Chiefly on *Larix* and *Thuja occidentalis*.

58804 RALSTON, C. W. Some factors related to the growth of longleaf pine in the Atlantic Coastal Plain. *J. Forestry* 49:408-412. June 1951. 99.8 F768

58805 SAFAROV, I. S. Extensive introduction of "Eldarian" pine into shelterbelt silviculture. (In Russian.) *Lesn. Khoz.* 3(11):64-65. Nov.1950. 99.8 L5622

- 58806 SYRACH-LARSEN, C. Advances in forest genetics. *Unasylva* 5:15-19. Jan./Mar.1951. 99.8 Un1
 58807 WECK, J. Zum waldbau im borealen nadelwaldgürtel. *Allg. Forstz. 6*:217-221. May 16,1951. 99.8 AL52
 Germany.
 58808 WIEDEMANN, E. Ertragskundliche und waldbauliche Grundlagen der forstwirtschaft. Frankfurt am Main, Sauerländer, 1950-51. 3 v. 99.34 W63

Silvicultural Practices

- 58809 ADOMAT. Die Ästung im walde. *Bauern Ztg.* 4(18/19):6. May 11,1951. 18 B324
 58810 CARLQUIST, C. G. Soil preparation in higher altitudes. (In Swedish.) *Svenska Skogsvårdsför. Tidskr.* 48:426-429. 1950. 99.8 Sk5
 Forest soil.
 58811 EYRE, F. H., and LONGWOOD, F. R. Reducing mortality in old-growth northern hardwoods through partial cutting. U. S. Forest Serv. Lake States Forest Expt. Sta. Paper 24,13 p. Apr.1951. 1.9622 L2St2
 58812 GODMAN, R. M. Thinning second-growth hemlock-spruce for pulpwood. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 7,1 p. Feb.1951. 1.962 A3T22
 58813 JACQUIOT, C. Règles culturales à observer en Forêt de Fontainebleau. *Rev. Forest. Franç.* 1951:375-381. May 1951. 99.8 R329
 58814 JAMES, N. D. G. Forestry for estate woodlands. 5. Pruning of forest trees. *Wood [London]* 16:181-183. May 1951. 99.82 W855
 58815 KLEIN, J. A. Girdling and poisoning of live culls. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 13,1 p. Mar.1951. 1.962 A3T22
 58816 NAZAROV, F. Utilization of KUTS-2, 8 cultivator for inter-row cultivation [in shelterbelts]. (In Russian.) *Lesn. Khoz.* 3(11):90. Nov.1950. 99.8 L5622
 58817 RIQUELME INDA, J. Regla esencial para el cultivo de los álamos. *Confed. de Cám. Nac. de Com. Carta Semanal* 14(719):35-36. Mar.31,1951. 286.8 C76
 58818 ROVSKII, V. M. Experiment in Black walnut [*Juglans nigra*] cultivation in Uzbek SSR. (In Russian.) *Lesn. Khoz.* 3(11):75-77. Nov.1950. 99.8 L5622

Seeding and Planting

- 58819 BOE, K. N. Natural regeneration of lodgepole pine on seedbeds created by clear cutting and slash disposal. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 99,1 p. May 1951. 1.9622 N3R31
 58820 BRINKMAN, K. A. Growth of a white pine plantation in Iowa. *J. Forestry* 49:445. June 1951. 99.8 F768
 58821 BULARD, C. Accélération et amélioration de la germination par l'action de l'hétéro-auxine chez *Picea excelsa*. *Toulouse. U. Lab. Forest. Trav.* 5(2):1-6. 1950. 99.9 T64
 58822 CARDOSO, J. G. A. The planting of indigenous species in Portuguese East Africa. (Abridged.) *So. African J. Sci.* 47:264-266. Apr.1951. 515 S084
 Forest trees.
 58823 DAVID, R. L'activation de la germination des graines de pin maritime [*Pinus pinaster*]. *Bois et Résineux* 32(1551):1. Feb.28,1951. 99.82 B63
 58824 DEUTSCHER PAPPELVEREIN. Pappelpflanzen mit markenetikett. *Deut. Baumsch.* 3:36-39. Feb.1,1951. 80 D486
 58825 DÖPPER, H. Behebung der aufforstungsrückstände durch schrägpflanzung. *Kärntner Bauer* 101:246-248. May 1,1951. 19 K14
 58826 FEDOTOV, I. D. Some results of oak seeding by the group method in Volga Area in 1950. (In Russian.) *Lesn. Khoz.* 3(11):48-50. Nov.1950. 99.8 L5622
 58827 FOILES, M. W. Results of seeding germinated western white pine seed. U. S. Forest Serv. North Rocky Mountain Forest & Range Expt. Sta. Res. Note 95,5 p. Apr.1951. 1.9622 N3R31
 58828 HART, C. E. The forest tree breeding research work in Denmark of C. Syrach Larsen, Dr. agro. *Land Agents' Soc. J.* 49:531-536. Ref. Dec.1950. 282.9 L22
 58829 HUSS, E. Om avvingningsskador på skogsfrö. On de-wing damages to seeds. *Sweden. Stat. Skogsforskinst. Meddel.* 39(3),56 p. Ref. 1950/51. 99.9 Sw32
 58830 JAEGER, K. Aufforstungen. *Hannoversche Land- u. Forstwirtschaft. Ztg.* 104:90-91. Jan.27,1951. 18 H194
 Planting.

- 58831 KORMILITSIN, A. M. Group sowing of *Pistacia vera* in Tadzhikistan. (In Russian.) *Lesn. Khoz.* 3(10):58-59. Oct.1950. 99.8 L5622
 58832 KOTOV, V. M. Experiment in growing shelterbelts from seeds in Chkalov Region. (In Russian.) *Lesn. Khoz.* 3(11):44-47. Nov.1950. 99.8 L5622
 58833 KRUTZSCH, H. Jungwuchspflege. *Forstwirtschaft. Holzwirt.* 4:207-208. July 1,1950. 99.8 F7793
 58834 LESLIE, A. P. A new aid to reforestation. *Pulp & Paper Mag. Canada* 52(6):122-123. May 1951. 302.8 P96
 Planting equipment.
 58835 MARRERO, J. Resultados de la repoblación forestal en los bosques insulares de Puerto Rico. *Caribbean Forester* 11:151-195. Ref. Oct.1950. 1.9622 T2C23
 58836 MEYER, H. Forstpflanzenzüchtung auf neuen wegen. *Landwirtschaft. Wchnbl. f. Westfalen u. Lippe* 108A:740,745. May 17,1951. 18 L2346
 58837 NAVARRO SAMPAIO, A. Una epopeya escrita en eucaliptos. *Asoc. Gen. de Agr. B.* 291:2-3. Mar.31, 1951. 8 As52
 Culture.
 58838 RIABININ, V. P. Equipment for sorting pine cones. (In Russian.) *Lesn. Khoz.* 3(11):88-89. Nov. 1950. 99.8 L5622
 58839 SAVCHENKO, A. I. On working out varying norms for sowing [tree and shrub] seeds. (In Russian.) *Lesn. Khoz.* 3(11):71-74. Nov.1950. 99.8 L5622
 58840 SCHWARZ, H. Beitrag zur planung von gehölzschutzanlagen in den trockengebieten Österreichs. *Osterr. Vrtljahresschr. f. Forstw.* 91:69-86. 1950. 99.8 Oe8
 58841 STEIN, W. I. Germination of noble and silver fir seed on snow. *J. Forestry* 49:448-449. June 1951. 99.8 F768
 58842 TIRÉN, L. Skogsträdens fruktsättning år 1950. [Forest tree fruiting in the year 1950]. *Sweden. Stat. Skogsforskinst. Flygbl.* 64,4 p. 1950. 99.9 Sw32F
 58843 ZAITSEVA, A. A. Winter storage of seed acorns. (In Russian.) *Lesn. Khoz.* 3(10):63-72. Oct. 1950. 99.8 L5622
 58844 ZIMMERLE, H. Fichten-durchforstungsreihe im Forstbezirk Biberach. *Forstwiss. Centbl.* 70:92-103. Feb.1951. 99.8 F775

Forest Protection and Damage

- 58845 ADAMS, L. White-tailed deer browsing on ponderosa pine plantations. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 89, 5 p. Feb.1951. 1.9622 N3R31
 58846 ADOMAT. Die pflege der waldgesinnung. *Bauern Ztg.* 4(11):6-7. Mar.16,1951. 18 B324
 Germany.
 58847 ANTYSYSHKIN, S. P. State forest protection. (In Russian.) *Lesn. Khoz.* 3(11):80-84. Nov.1950. 99.8 L5622
 58848 BLOW, T. Fence cattle from farm woodlot. *New Eng. Homestead* 124(10):11-12. May 26,1951. 6 N442
 58849 GADENZ, K. Der weisse tod in den wäldern. *Salzburgs. Allg. Forstztg.* 62:79-80. May 1951. 99.8 AL53
 Avalanches.
 58850 GRANICZNY, S. Le problème de la réparation des dommages causés par la guerre aux forêts polonaises. (In Czech.) *Interagra* 4:421-427. 1950. 28 In825
 French summary.
 58851 KLEIN, J. A. Defect in the climax forests of southeast Alaska. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 9,1 p. Mar.1951. 1.962 A3T22
 58852 WATT, R. F. Snow damage in a pole stand of western white pine. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 92,4 p. Mar.1951. 1.9622 N3R31
 Fire
 58853 AMERICAN FOREST PRODUCTS INDUSTRIES. The effectiveness of forest protection. Washington, 1950. 8 p. 99.51 Am32
 Fire prevention.
 58854 BARRAULT, P. Protection des travaux de reboisement dans les Corbières. *Rev. Forest. Franç.* 1951:339-348. May 1951. 99.8 R329
 Chiefly fire.
 58855 DE YOUNG, J. Forest fire service ready for emergencies. *Outdoor Ind.* 18(3):9,11. Mar.1951. 279.8 Ou82
 58856 DOIGNON, P. Facteurs météorologiques conditionnant les incendies en Forêt de Fontainebleau. *Rev. Forest. Franç.* 1951:349-363. May 1951. 99.8 R329

58857 FORD, T. Forest fire loss dropped in 1950. *Ala. Conserv.* 22(8/9):5,20-21. Feb./Mar.1951. 279.8 AL1

58858 MOUTON, G. Lutte contre les incendies en forêt de Fontainebleau. *Rev. Forest. Franç.* 1951:364-374. May 1951. 99.8 R329

58859 NAYSMITH, D. A forest fire prevention program. *Pulp & Paper Mag. Canada* 52(6):124,127-128. May 1951. 302.8 P96

58860 PRAX, J. La protection contre l'incendie des reboisements domaniaux du nord-ouest de l'Hérault. *Rev. Forest. Franç.* 1951:281-291. Apr.1951. 99.8 R329

58861 RODGER, E. E. In the path of the red demon. *Va. Wildlife* 12(6):8-9,23-24. June 1951. 410 V81
Forest fire damage in Virginia.

58862 SARLIN, P. Les feux de brousse. *Rev. Agr. de la Nouvelle-Calédonie (n.s.)* 1(11/12):7-8. Nov./Dec. 1950. 25 R322

58863 STEWART, G. I. Engineering in forest protection. *Mech. Engin.* 73:477-480,495. June 1951. 291.9 Am3J
Fire control.

58864 U. S. FOREST SERV. National forest fire report calendar year 1950. Washington?1951? 17 p. 1.962 A2N212

58865 U. S. FOREST SERV. 1950 forest fire statistics. Washington,1951? 15 p. 1.962 C4F76

58866 U. S. FOREST SERV. REGION 5. Experimental plastic water tank. *Fire Control Notes* 12(2):19. Apr. 1951. 1 F766F1

Forest Influences

58867 CHATURVEDI, M. D. The role of vegetal soil cover in flood control. *Indian Forester* 77:214-215. Apr. 1951. 99.8 In2

58868 ERNST. Die stellung der rotbuche auf dem rundholzmarkt. *Allg. Forstz.* 6:205-208. May 2,1951. 99.8 AL52

-Fagus sylvatica.
58869 HURSH, C. R. Research in forest-streamflow relations. *Unasylva* 5:3-9. Jan./Mar.1951. 99.8 Un1

58870 NAIR, K. N. R. Forest and the food problem. *Planters' Chron.* 46:124-130. Mar.1,1951. 22 P693
Effect of forests upon climate.

58871 STEBBING, E. P. Forests, catchment areas and water supplies. *Indian Forester* 77:216-246. (Cont.) Apr.1951. 99.8 In2

Miscellaneous Forest Uses

58872 DORTIGNAC, E. J. Design and operation of Rocky Mountain infiltrometer. U. S. Forest Serv. Rocky Mountain Forest & Range Expt. Sta. Paper 5,68 p. Ref. Feb.1951. 1.9622 R2St2

58873 FRANK, B. Opportunities of private forestry for watershed management. Washington, U. S. Forest Serv.,1950. 8 p. 1.962 F5F85
Address before annual meeting of Virginia Forests, Inc., Richmond, Nov. 28. 1950.

58874 REID, K. A. Planning for wildlife on a managed forest. *J. Forestry* 49:436-439. June 1951. 99.8 F768

58875 U. S. FOREST SERV. Forest Service organization camps. Washington,1950. 1 p. 1.962 A2F7638

58876 U. S. FOREST SERV. Watershed management, with particular reference to forest and range lands. Prepared for the President's Water Resources Policy Commission. Washington,1950. 23 p. Ref. 1.962 A2W31

58876 WAGAR, J. V. K. Some major principles in recreation land-use planning. *J. Forestry* 49:431-435. Ref. June 1951. 99.8 F768

58877 WEATHERBY, H. Parks are a forest resource. *Brit. Columbia Lumberman* 35(5):58,60. May 1951. 99.81 B77

FOREST INDUSTRIES

58878 BAKER, W. J. Some factors involved in the promotion of alder-using industries in Tillamook, Oregon. *Oreg. Forest Prod. Lab. Spec. Rpt.* 1,35 p. Jan.10,1951. 99.9 Or3522S

58879 BRUCKART, R. F., and CRUM, W. J. Productivity in the Southern lumber industry. *South. Lumberman* 182(2282):56,58. May 1,1951. 99.81 So82

58880 DEMOUGEOT, M. L'industrie et le commerce des bois guyanais. *Marchés Colon.* 7:929-931. Apr.7, 1951. 286.8 M33

58881 DRAKE, G. L. What does the forest products industry expect from college-trained men? *Brit. Columbia Lumberman* 35(5):62,64. May 1951. 99.81 B77

58882 FAFARD, A. La vente des coupes de bois. *Terre de Chez Nous* 23(6):28. (Concl.) Apr.4,1951 7 T27

Canada.

58883 HALL, A. G. Prophets of gloom turned tide toward perpetuation of lumber industry in U. S. *Miss. Val. Lumberman* 82(35):8,14,30. May 4,1951. 99.81 M69

58884 HANDBOK för nordisk träindustri. Handbook of the northern wood industries. Stockholm,1950. 1408 p. 225 H192

58885 HEINRICHS, W. Gegenwartsprobleme in Stockholm; wachsender zellulosebedarf steigert die schnittholzpreise. *Holz-Zentbl.* 76:1717. Dec.19,1950. 99.81 H742

58886 HEINRICHS, W. Holzwirtschaft heute—und was geschieht morgen? *Holz-Zentbl.* 77:145-146. Feb.1,1951. 99.81 H742

58887 KUSSMANN, E. Holzwirtschaftliche bilanz 1950/. Versuch einer vorschau für das jahr 1951. *Holz-Zentbl.* 76:1765-1766. Dec.30,1950. 99.81 H742

58888 LATHAM, B. A historical survey of the timber trade. 5. The 20th century. *Wood [London]* 16:190-193. May 1951. 99.82 W855

58889 NORTHEASTERN WOOD UTILIZATION COUNCIL. Connwood, Incorporated, an experiment in cooperative marketing. Noeast. Wood Util. Council B. 34,16 p. Apr.1951. 99.9 N819

58890 U. S. FOREST SERV. Lumber manufacturing, wood using and allied associations. Washington?1951. 27.p. 1.9 F76Lm

Lumbering

58891 BODDY, H. Peninsula farmers put trees to use; by sustained-yield cuttings in woodlots, they're assured of a ready lumber supply at comparatively low cost for as long as they'll need. *Wash. Farmer* 76:151. Mar.1,1951. 6 R151

Custom-cutting and sawing.

58892 FABRITSKII, KH. Toward an extensive utilization of engineer Kovalev's method at the lumbering enterprises. (In Russian.) *Lesn. Promysh.* 10(11):4-6. Nov.1950. 99.82 L56

Work management.

58893 U. S. FOREST SERV. Safety progress, 1950; comparison of injury rates, Forest Service vs. industry. Washington?1951? 4 p. 1.962 A2Sa15

58894 WEATHERBY, H. Higher utilization gets full attention of B.C.'s forest industries. *Brit. Columbia Lumberman* 35(5):39-40. May 1951. 99.81 B77

Lumbering Equipment

58895 BESKINE, J. M. Special purpose forestry equipment. 2. The sky-hook really exists. *Agr. Mach. J.* 5(4):27-28. Apr.1951. 58.8 Ag86

58896 COLLINS, T. E. New air tong loader. *Wood [Chicago]* 6(6):20. June 1951. 99.82 W859

For small logs.

58897 DAVIS, S. H., JR. Some new ideas for stump removal and stump loading. *Trees* 11(4):11,18. May/June 1951. 99.8 W52

Equipment.

58898 DILLER, O. D., and MUCKLEY, H. R. Chain saws reduce labor needs for woodlot management. *Ohio Farm & Home Res. [Ohio Sta.]* 36:30-31. Mar./Apr.1951. 100 Oh3S

58899 DOLGOPOLOV, N. P. Stakhanovite-electromechanist, F. I. Mokeev. (In Russian.) *Lesn. Promysh.* 10(11):10-12. Nov.1950. 99.82 L56

Chiefly on care of electric saws.

58900 ERDMANN. Ein kapitaler baum; 130-ps-zugmaschine der Bundesbahn bezwang den riesen. *Holz-Zentbl.* 77:125. Jan.27,1951. 99.81 H742

Transportation.

58901 ESSEEN, G. Tractors used in the clearing of floating channels in Norrbotten, Sweden. (In Finnish.) *Suomen Uittajainyhdist. Vuosikirja* 19:78-92. 1950. 292.49 V98Y

English summary.

58902 GALAS'EV, V. A. TL-3 winches in loading and unloading work at the Pechorles Combine. (In Russian.) *Lesn. Promysh.* 10(9):16-17. Sept.1950. 99.82 L56

58903 GNEDENKOV, A. I., and OKUNEV, G. S. More extensive development of mechanization of log loading. (In Russian.) *Lesn. Promysh.* 10(9):6-8. Sept.1950. 99.82 L56

58904 GRANBERG, W. J. Diesels take to the woods. *Diesel Prog.* 17(3):54-55. June 1951. 291.8 D56

Logging equipment.

58905 HALLSTRÖM G. Calculation of the profitability of the one-man saw. (In Swedish.) *Svenska Skogsvårdsför. Tidskr.* 48:391-405,950. 99.8 Sk5

58906 HEINRICHS, W. Mechanisierung der schwedischen holzwirtschaft. Holz-Zentbl. 77:55-56. Jan.13,1951. 99.81 H742

58907 KARPOVICH, L. L. The lumbermen of the North before the autumn-winter season. (In Russian.) Lesn. Promysh. 10(9):4-6. Sept.1950. 99.82 L56
Chiefly on mechanization in logging.

58908 KRENDELSBERGER, H. Holzbringung mittels seilgeräten. Allg. Forstztg. 62:77-79. May 1951. 99.8 AL53

58909 LEPENTSOV, P. A. Setting up artificial spars [in log hauling with winches]. (In Russian.) Lesn. Promysh. 10(11):20-21. Nov.1950. 99.82 L56

58910 MCCOLL, B. J. Developments in mechanical logging during 1951. Pulp & Paper Mag. Canada 52(6):142,145,147-150. May 1951. 302.8 P96

58911 MAGILL, W. A. Developments in trailer design. Pulp & Paper Mag. Canada 52(6):136,138-139. May 1951. 302.8 P96

58912 NEW PORTABLE chain debarker can be moved into woods. South. Lumberman 182(2283):91-92. May 15, 1951. 99.81 So82

58913 PARENOV, G. M. A jackscrew for felling trees. (In Russian.) Lesn. Promysh. 10(9):14-15. Sept. 1950. 99.82 L56

58914 SELIVANOV, P. A. Experimental raft of new boom constructed by Dalmatov. (In Russian.) Lesn. Promysh. 10(9):19-21. Sept.1950. 99.82 L56

58915 SIMMONS, F. C. The ax. South. Lumberman 182(2281):76,78,80,82. Apr.15,1951. 99.81 So82

58916 STENTZEL, E. E. Schlepper in der forstwirtschaft. Landtechnik 6:319-322. May 1951. 58.8 L235

58917 VERTEBNYI, P. I., and GRUZDEV, V. A. Use of truck-loaders in timber loading on railroad flatcars. (In Russian.) Lesn. Promysh. 10(9):26-28. Sept.1950. 99.82 L56

58918 ZEMSKOV, A. D. Complex mechanization at the [logging] enterprises of Uralzapadoles Combine. (In Russian.) Lesn. Promysh. 10(11):18-20. Nov.1950. 99.82 L56

Logging

58919 BEDERSON, A. M. Hauling whole [felled] trees at the logging sites in Molotov Region. (In Russian.) Lesn. Promysh. 10(11):16-18. Nov.1950. 99.82 L56

58920 BRITISH COLUMBIA. FOREST SERV. Illustrated forest activities. 1. The harvest. Victoria, 1950. 13 p. 99.9 B771

58921 CHIKOV, IA. I., and PIIR, A. I. Transportation of felled trees on trucks. (In Russian.) Lesn. Promysh. 10(11):13-15. Nov.1950. 99.82 L56

58922 HAFNER, F. Neues im forstlichen bringungswesen. Österr. Vrtljahresschr. f. Forstw. 91:204-213. 1950. 99.8 Oe8

58923 KALASHNIKOV, P. L. Sawing down trees flush with the ground and hauling of logs. (In Russian.) Lesn. Promysh. 10(9):11-12. Sept.1950. 99.82 L56

58924 KENNEDY, W. B. Fast methods of logging. South. Lumberman 182(2285):54,56. June 15,1951. 99.81 So82

58925 KILCHENMANN, H. R. Bisherige bestrebungen zur verbesserung der grundlagen für die entlohnung der holzhauer. Wald u. Holz 32:110-114. (To be cont.) 99.8 W14

58926 KOSKINEN, O. T. On the obligation of floating associations to compensate damage incurred through interrupted floating. (In Finnish.) Suomen Uittajainyhdist. Vuosikirja 19:97-104. 1950. 292.49 V98Y
English summary.

58927 LEHMANN, A. Sind regiebetriebe sorgen-kinder? Zur frage der wirtschaftlichkeit des betriebs-eigenen fuhrparks. Holz-Zentbl. 76:1739-1740. Dec.23, 1950. 99.81 H742

58928 PERFILOV, M. A. Hauling [logs] with joined winches at the Kul'min logging site. (In Russian.) Lesn. Promysh. 10(9):8-10. Sept.1950. 99.82 L56

58929 ROITTO, W. E. Rationalisation of raft towage by the straightening of channels and by canalisation in the Saimaa water system. (In Finnish.) Suomen Uittajainyhdist. Vuosikirja 19:35-55. 1950. 292.49 V98Y
English summary.

58930 SILVÄN, L. On truck transport of timber to be floated. (In Finnish.) Suomen Uittajainyhdist. Vuosikirja 19:56-71. 1950. 292.49 V98Y
English summary.

58931 VASIL'EV, P. A. Organization of log rolling at the Kama Log Rolling Combine. (In Russian.) Lesn. Promysh. 10(9):22-23. Sept.1950. 99.82 L56

58932 ZAGORSKI, J. F. Logging for better forests. Wis. Conserv. B. 16(5):11-13. May 1951. 279.8 W752

Sawmills

58933 DARWIN, W. N., and THURMOND, A. K. Good management: key to successful sawmilling. 2-4. South. Lumberman 182(2283):62-64;(2284):46,48;(2285):46,48. May 15-June 15,1951. 99.81 So82

58934 HORDERN, R. H. Sawmilling practice—5. Saw cutting capacity. Wood [London] 16:196-198. May 1951. 99.82 W855

58935 MCKIMMY, M. D. An analysis of head-sawing operations at representative large fir sawmills. (Abs.) J. Forestry 49:412. June 1951. 99.8 F768

58936 SCHÖNTAG, L. Betriebserfahrungen mit dem rückschlagsicheren kreissägeblatt. Holz-Zentbl. 76:1753, 1760. Dec.30,1950. 99.81 H742

58937 THURMOND, A. K. Good management: key to successful sawmilling. South. Lumberman 182(2282):47. May 1,1951. 99.81 So82

Processing and Woodworking

58938 BAUMANN, W. Zweckmässige arbeitsbedingungen für holzkreissagen. Holz-Zentbl. 77:29,31-32. Jan.9,1951. 99.81 H742

58939 EGNER, K. Über das entstehen der verschalung, deren sichtbarmachung und beseitigung. Holz-Zentbl. 77:173-174. (To be cont.) Feb.6,1951. 99.81 H742

58940 HYLER, J. E. Efficiently-operating swing saws. South. Lumberman 182(2283):80,82. May 15,1951. 99.81 So82

58941 HYLER, J. E. Woodworking knife and cutter application. XIV-XVI. South. Lumberman 182(2281):67, 70,72,74;(2283):68,70,72,76;(2285)62-63,65-66,68. Apr. 15,May15,June 15,1951. 99.81 So82

58942 KARAVAEV, V. I., and SLAVUTSKIĬ, I. I. Swing saws with reduced transmission. (In Russian.) Lesn. Promysh. 10(9):18-19. Sept.1950. 99.82 L56
In wood working enterprises.

58943 LIPKA, W. Verbesserung der schneidetechnik von horizontalgattern älterer bauart. Holz-Zentbl. 76:1742. Dec.23,1950. 99.81 H742

58944 PERRY, T. D. Woodwork and education. Wood Prod. 56(5):31-35. May 1951. 99.82 W856

58945 PÜSCHEL, E. Nur eine einfache kreissäge; erfahrungen mit der unfallverhütung in der Schweiz. Holz-Zentbl. 76:1731-1732. Dec.21,1950. 99.81 H742

Seasoning, Conditioning and Finishing

58946 GEUL, H. Holztrocknungsanlagen mit grossen schraubenlüftern. Holz-Zentbl. 77:85. Jan.20,1951. 99.81 H742

58947 HOPKINS, W. C., and KELSO, W. C., JR. Kiln-drying of hickory handle stock. South. Lumberman 182(2285):40-42. June 15,1951. 99.81 So82

58948 LEE, J. A. Wood seasoning jackpot: vapor drying. Chem. Engin. 58(6):115-116. June 1951. 381 EL2

58949 MANN, R. H. America's first fireproofed wood house. Wood Preserv. News 29:67-68. May 1951. 300.8 W853

58950 PRINCE, R. E. Finishes for wood. Paint, Oil & Chem. Rev. 114(10):12,14,34,36,38,40,42,44. May 10, 1951. 306.8 P16

58951 STACEY, W. A. Painting pressure creosoted wood. Wood Preserv. News 29:60-62. May 1951. 300.8 W853

58952 TIEMANN, H. D. The kiln-drying of lumber. 28-30. South. Lumberman 182(2281):58;(2283):58,60;(2285):52,54. Apr.15,May 15,June 15,1951. 99.81 So82

58953 VILLIERE, A. Réflexions sur le degré d'humidité des bois. Rev. du Bois 6(5):12-13. May 1951. 99.82 R32

Wood Preservation and Damage

58954 BAECHLER, R. H., and RICHARDS, C. A. Deterioration of wood in cooling towers. South. Power & Indus. 69(6):70,118. June 1951. 291.8 So8

58955 BLAIR, T. A. What's ahead for treated wood in the railroad field? (Excerpts.) Wood Preserv. News 29:63-66,70-71. May 1951. 300.8 W853

58956 GROENOU, H. B. VAN. Wood preservation during the last 50 years. Leiden,Sijthoff,1951. 318 p. 300 G89W

58957 HUNT, G. M. Wood preservatives and preservative treatment. Prog. Architect. 32(5):87-90. May 1951. 296.8 P37

FOREST PRODUCTS

58958 BROWN, A. H. Versatile wood waits on man. Natl. Geog. Mag. 100:109-140. July 1951. 470 N213

58959 BRUCE, C. A. Importance of wood in the mobilization program. South. Lumberman 182(2285):43-44. June 15, 1951. 99.81 So82

58960 CAMPREDON, J. Nouveaux progrès dans l'usinage et l'utilisation du bois. Bois 68(5):1,3. Mar. 10/15, 1951. 99.82 B632

58961 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Yearbook of forest products statistics. Washington, 1950. 183 p. 99.9 Y3

58962 HESS, R. W. Tropical hardwoods for our markets. South. Lumberman 182(2283):43-45. May 15, 1951. 99.81 So82

58963 IEVLEV, A. V. On a rational utilization of the felled wood supply. (In Russian.) Lesn. Promysh. 10(9): 28-29. Sept. 1950. 99.82 L56

Chiefly on grading and standardization.

58964 JOBSON, A. Some bygones of wood. Country Life [London] 109:1712-1713. June 1, 1951. 80 C83

58965 MCKEAN, H. B. Some pitfalls in research. South. Lumberman 182(2282):45-46. May 1, 1951. 99.81 So82

58966 MARQUIS, R. W. The forest products situation. Agr. Situation 35(4):7-8. Apr. 1951. 1 Ec7Ag

58967 PADEN, F. T. Wood requirements for specialized military uses. Wood Prod. 56(5):17-19. May 1951. 99.82 W856

58968 SARDINHA, A. M. Modern uses for wood and its importance for the future economy of Angola. (In Portuguese.) Agros [Lisboa] 34:31-38. Jan./Feb. 1951. 15.5 Ag82

58969 SCHMORL, K. Holz überall. Murnau vor München, Lux, 1950. 68 p. (Orion Bücher; eine Naturwissenschaftlich-Technische Schriftenreihe, Bd. 23) 99.79 Sch4

58970 SOKOLOV, B. M., and MELAMED, S. N. To extend the utilization of beech [Fagus] in the national economy. (In Russian.) Lesn. Promysh. 10(11):27-29. Nov. 1950. 99.82 L56

58971 SOULILLOU, A. Le bois à Lyon. Rev. du Bois 6(5):21-23. (To be cont.) May 1951. 99.82 R32

Lumber and Rough Products

58972 DOVERSPIKE, G. E., and CAMP, H. W. JR. Four test-demonstrations of hardwood log grades in the Northeast. U. S. Forest Serv. Northeast. Forest Expt. Sta. Paper 42, 19 p. May 1951. 1.9622 N2St22

58973 ECKSTEIN, H. J. What about Brazilian pine [Araucaria angustifolia]? Com. B. 93(492C):1,10,12. June 9, 1951. 286.8 C736

58974 LIESE, J. Die buchenschwelle, ihre bedeutung für die jetzige zeit. Forstwirt., Holzwirt. 4:205-207. July 1, 1950. 99.8 F7793

58975 PACIFIC LUMBER INSPECTION BUR. Annual report, 1950. Seattle, Wash., 1950. 24 p. 99.76 P11R

58976 SOUTH AFRICAN LUMBER MILLERS' AND SHOOK MANUFACTURERS' ASSOCIATION. Ninth Annual report. Johannesburg, 1950. 60 p. 99.9 So842

58977 TREVINO SALDAÑA, C. El abastecimiento de durmientes para los Ferrocarriles Nacionales de México. B. Forest. 3(28):21-22, 24. Feb. 1951. 99.8 B633

Building Construction

58978 DENGLER, H. W., and CARPENTER, R. W. Use Maryland trees for your farm buildings. Md. Agr. Col. Ext. Fact Sheet 9, 2 p. Mar. 1951. 275.29 M36FA

58979 FERRIS, C. F. Ford Motor Company uses laminated wood in automobile construction. Wood Working Digest 53:139-144, 146, 148, 150, 152. June 1951. 99.82 W87

Veneers, Plywood and Adhesives

58980 BAILEY, N. Veneer and plywood. IX. Wood Working Digest 53:155-156, 158-163. June 1951. 99.82 W87

58981 DEVLIN, C. A. The softwood plywood market present and future. Timber Canada 11(10):30-33, 64-68. June 1951. 99.81 T487

58982 GALBER, H. The story of glue. 6. Veneers & Plywood 45(6):18-19. June 1951. 99.82 V55

58983 GRAHAM, P. H. Modern handling keeps down veneer log damage. Veneers & Plywood 45(6):16-17. June 1951. 99.82 V55

58984 HEEBINK, B. G. Moisture-excluding effectiveness of edge seals for aircraft sandwich panels. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1822, 6 p. Dec. 1950. 1.9 F761R

58985 HOGAN, J. T., and ARTHUR, J. C., JR. Cottonseed and peanut meal glues: permanence of plywood glue joints as determined by interior and exterior accelerated cyclic service tests. Amer. Oil Chem. Soc. J. 28:272-274. June 1951. 307.8 J82

58986 HYLER, J. E. Hot pressed plywood. 5. South. Lumberman 182(2282):59-62. May 1, 1951. 99.81 So82

58987 HYLER, J. E. Routers used in various veneer, plywood methods. Veneers & Plywood 45(6):30-32. June 1951. 99.82 V55

58988 KROHNKE, R. Neuzzeitliche maschinen zur spanlosen bearbeitung von holzfaserhartplatten insbesondere für die türenfabrikation. Holz-Zentbl. 77:75-76. Jan. 18, 1951. 99.81 H742

58989 MUELLER, L. A. Suitability of western larch for veneer and plywood production. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 96, 3 p. Apr. 1951. 1.9622 N3R31

58990 PERRY, T. D. Gluing technique for wood. 5. Laminated timbers. Wood Working Digest 53:49-54, 56, 58, 60. June 1951. 99.82 W87

58991 SELBO, M. L. Summary of information on gluing of treated wood, 1950. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1789, 12 p. Dec. 1950. 1.9 F761R

Containers

58992 ROYCE, C. K. Military requirements for wood in packaging. Brit. Columbia Lumberman 35(5):68, 70. May 1951. 99.81 B77

58993 TUFTS, N. Wood. Food Canada 11(6):23-24. June 1951. 389.8 F7323

Supply for containers.

58994 WAGNER, J. B. Heating or firing barrels; a process of paramount importance in the manufacture of tight barrels. Barrel & Box & Packages 56(5):6-8. May 1951. 99.82 B27

Pulp and Paper

58995 CHABANAT, J. Comment maintenir notre industrie papetière? Rev. du Bois 6(4):3-7. Apr. 1951. 99.82 R32

Pulpwood supply.

58996 CHITTENDEN, A. E., and COOMBER, H. E. Nipah palm [Nipa fruticans] petioles from Sarawak. Colon. Plant & Anim. Prod. 1:222-230. 1950. 472 C71

For paper pulp and rayon.

58997 DRAKE, G. L. Utilization of low-grade hardwoods and softwoods in the Pacific Northwest. Pulp & Paper Mag. Canada 52(5):157-158, 161-162. Apr. 1951. 302.8 P96

58998 EVEREST, D. C. The role of the pulpwood industry in industrial mobilization. South. Pulp & Paper Mfr. 14(4):34, 36, 40. Apr. 15, 1951. 302.8 So8

58999 EVERY, D. Review of 1950 in the unbleached kraft paper industry. Paper Mill News 74(16):88. Apr. 21 1951. 302.8 P195

59000 HAMMOND, R. N. Wood waste consumption in the Pacific Coast chemical pulp industry. Brit. Columbia Lumberman 35(5):41-44. May 1951. 99.81 B77

59001 LORENZ-LIBURNAU, H. Braucht Österreich die einfuhr von rothuchen-faserholz? Österr. Vrtljahres-schr. f. Forstw. 91:200-204. 1950. 99.8 Oe8

59002 SCHWARTZ, S. L., and BAIRD, P. K. Effect of molding temperature on the strength and dimensional stability of hardboards from fiberized water-soaked Douglas-fir chips. Paper Trade J. 132(17):20, 22, 24-25. Ref. Apr. 27, 1951. 302.8 P196

59003 VINCENT, R. Acetate pulp plays an increasing role in modern living. Canad. Pulp & Paper Indus. 4(6): 34, 36. June 1951. 302.8 W52

59004 VINCENT, R. Dissolving pulp market. Pulp & Paper 25(6):60, 62. June 1951. 302.8 P11

Chemical Products and Distillates

59005 BOBKOV, N. P., SHOSHIN, N. A., and TSVETKOV, B. S. ZIS-21A trucks with TSNIIME-20 gazogenes which operate on green wood. (In Russian.) Lesn. Promysh. 10(9):12-14. Sept. 1950. 99.82 L56

59006 HILBERT, F. L. Vegetable tanning extracts from waste sulphite liquors. Leather & Shoes 121(21):14. 39. May 26, 1951. 303.8 H53

59007 SAGOSCHEN, J. A. Buchensulfita blaugen als rohstoff für gerbextrakte. Leder 2:25-29. Feb. 1951. 303.8 L492

Naval Stores

59008 ISLIP, H. T., and MATTHEWS, W. S. A. Slash pine oleo-resin from British Honduras. Colon. Plant & Anim. Prod. 1:217-222. 1950. 472 C71

- 59009 POMEROY, K. B. Timber management and gum production. *Nav. Stores Rev.* 61:12,24-26. May 26, 1951. 99.81 N22
- 59010 SHINGLER, G. P. The present and future status of the naval stores industry. *Nav. Stores Rev.* 61:14-15,22-23. May 26,1951. 99.81 N22
- 59011 STRANGE, J. D. Selective cupping practice pays. *Nav. Stores Rev.* 61:11,28. May 26,1951. 99.81 N22
- 59012 TÄHTINEN, M. Refining of tall oil and turpentine at Oulu Osakeyhtiö, Oulu. (In Finnish.) *Suomen Kemistilehti*. A 24:13-18. 1951. 385 Su7

Other Forest Products

- 59013 BRANDTS, T. G. Overzicht van de vervaardiging en eigenschappen van houtwol- en houtvezelplaten. (Survey of the manufacture and properties of wood wool and wood fibre board). *Buitenzorg*, 1950. 17 p. Ref. 99.9 Ea72V
English summary.
- 59014 CLARK, W. H. D. Investigation into properties of wood fuels. *Pulp & Paper Mag. Canada* 52(6):103-104. May 1951. 302.8 P96
- 59015 DEMMON, E. L. Wood waste in the Lake States. *Miss. Val. Lumberman* 82(33):8-9. Apr. 20, 1951. 99.81 M69
- 59016 FARBER, E. Hardboard from wood. *Paper Trade J.* 132(18):22,24,26,28. May 4, 1951. 302.8 P196
- 59017 GRAHAM, P. Using chippers profitably. *Wood [Chicago]* 6(6):22-23. June 1951. 99.82 W859
- 59018 GUERNSEY, F. W. Wood waste in the Douglas Fir region. *Paper Trade J.* 132(19):23-24,26 28. Ref. May 11, 1951. 302.8 P196
- 59019 GUSLER, D. L. Power generation from wood waste. *Power Engin.* 55(4):60-61,118-120. Apr. 1951. 290.8 P88
- 59020 JUNTA NACIONAL DA CORTIÇA. Falando de cortiças [Speaking of cork], by J. L. Calheiros e Meneses. *Lisboa*, 1950. 47 p. 99.77 J96
- 59021 MACDONALD, M. D. Manufacture of consolidated products from wood residues. *Paper Trade J.* 132(23):20 22-24,26,30. June 8, 1951. 302.8 P196
- 59022 NEILSON, J. E. Progress in bark burning equipment for steam generation in paper mills. *Pulp & Paper Mag. Canada* 52(6):99-101. May 1951. 302.8 P96
- 59023 PETERSON, R. B. Invisible waste. *South. Lumberman* 182(2283):84,86,88. May 15, 1951. 99.81 So82

WOOD TECHNOLOGY

- 59024 BAILEY, N. Know your wood: birch. *Wood Working Digest* 53:65-66,68,70. June 1951. 99.82 W87
- 59025 GOMES E SOUSA, A. DE F. Woods of Mozambique. (In Portuguese.) *Agros [Lisboa]* 34:59-66. Jan./Feb. 1951. 15.5 Ag82
- 59026 HAJNY, G. J., GARDNER, C. H., and RITTER, G. J. Thermophilic fermentation of cellulosic and ligno-cellulosic materials. *Indus. & Engin. Chem.* 43:1384-1389. Ref. 1951. 381 T825
- 59027 HALLONQUIST, E. G. Catalytic hydrogenolysis of wood. *Indus. & Engin. Chem.* 43:1427-1430. Ref. June 1951. 381 J825
- 59028 HENDERSON, F. Y. Forest Products Research Laboratory. *Research [London]* 4:125-127. Mar. 1951. 472 R31
- 59029 LAMB, G. N. Foreign woods; origin, use, properties and nomenclature. *Wood Prod.* 56(5):38-39. May 1951. 99.82 W856
- 59030 MARKWARDT, L. J. Highlights of progress in forest products research. *Amer. Soc. Testing Mater. ASTM B.* 174:45-54. May 1951. 290.9 Am34B
- 59031 RISHELL, C. A. Postwar developments in forest-products research. *Mech. Engin.* 72:805-808,810. Oct. 1950. 291.9 Am3J

Properties and Structure

- 59032 ARMSTRONG, F. H. Resistance to wear of krabak [Anisoptera spp.] as flooring. *Wood [London]* 16:176-177. May 1951. 99.82 W855
- 59033 BENTLEY, D. C. Red hickory as strong as white hickory. *Wood Prod.* 56(5):19. May 1951. 99.82 W856
Carya ovalis and *C. ovata*.
- 59034 CHATTAWAY, M. M. The development of horizontal canals in rays. *Austral. J. Sci. Res. Ser. B: Biol. Sci.* 4:1-11. Ref. Feb. 1951. 442.8 Au72
- 59035 CHATTAWAY, M. M. Morphological and functional variations in the rays of pored timbers. *Austral. J. Sci. Res. Ser. B: Biol. Sci.* 4:12-27. Ref. Feb. 1951. 442.8 Au72

- 59036 EKLUND, B. Undersökningar över krympnings- och svällningsförändringar hos borrhspån av tall och gran. Investigations of the shrinkage and swelling changes in increment cores of pine and spruce. *Sweden. Stat. Skogsforskinst. Meddel.* 39(7),59 p. Ref. 1950/51. 99.9 Sw32
English summary.

- 59037 ERICKSON, W. S., and MARCH, H. W. Effects of shear deformation in the core of a flat rectangular sandwich panel; compressive buckling of sandwich panels having facings of unequal thickness. *U. S. Forest Serv. Forest Prod. Lab. Rpt.* 1583-B,30 p. Ref. Nov. 1950. 1.9 F761R

- 59038 ERICKSEN, W. S. Supplement to Effects of shear deformation in the core of a flat rectangular sandwich panel; deflection under uniform load of sandwich panels having facings of unequal thickness. *U. S. Forest Serv. Forest Prod. Lab. Rpt.* 1583-C,32 p. Ref. Dec. 1950. 1.9 F761R

- 59039 FREAS, A. D., and WERREN, F. Mechanical properties of cross-laminated and composite glass-fabric-base plastic laminates. *U. S. Forest Serv. Forest Prod. Lab. Rpt.* 1821,12 p. Feb. 1951. 1.9 F761R

- 59040 KUENZI, E. W., and ERICKSEN, W. S. Shear stability of flat panels of sandwich construction. *U. S. Forest Serv. Forest Prod. Lab. Rpt.* 1560,42 p. Ref. Mar. 1951. 1.9 F761R

- 59041 MAYER-WEDELIN, H. Das Holzgefüge im Jahrring und die Bestimmung des früh- und spätholzanteils. *Holz-Zentbl.* 77:39-41. Jan. 11, 1951. 99.81 H742

- 59042 NARAYANAMURTI, D., and others. Weathering trials on [wooden] aircraft wings. *Indian Forester* 77:247-266. Apr. 1951. 99.8 In2

- A. Purushotham, V. Ranganathan, N. C. Jain, J. N. Pande, J. George, and B. S. Bist, joint authors.

- 59043 PILLOW, M. Y. Simplified procedure for determining oven-dry specific gravity of flitches and bolts. *U. S. Forest Serv. Forest Prod. Lab. Rpt.* R1790,4 p. Mar. 1951. 1.9 F761R

- Bolts for aircraft plywood.

- 59044 WERREN, F. Fatigue of sandwich constructions for aircraft; glass-fabric-laminate facing and waffle-type core sandwich material tested in shear. *U. S. Forest Serv. Forest Prod. Lab. Rpt.* 1559-1,5 p. Oct. 1950. 1.9 F761R

- 59045 WERREN, F. Mechanical properties of plastic laminates. *U. S. Forest Serv. Forest Prod. Lab. Rpt.* 1820,14 p. Feb. 1951. 1.9 F761R

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 59046 ARCULARIUS, H. Veränderungen von formen, organen und leistungen der tiere durch verschiedene aufzuchtmethoden. *Deut. Tierärztl. Wchnschr.* 58:134-135. May 1, 1951. 41.8 D482

- With note by R. Götze.

- 59047 CHIEFFI, A. What, in short, is artificial insemination? (In Portuguese.) *Seleç. Agr.* 6(58):47-48. Feb. 1951. 9.2 Se4

- 59048 GIBBONS, W. J. Pointers for practitioners. *Auburn Vet.* 7:140-142. Spring 1951. 41.8 Aul

- Functional sterility; equine sterility; bovine male sterility; hyperkeratosis.

- 59049 GROVES, D. E. Livestock breeding—is it headed in the wrong direction? *Ohio Farmer* 207(10):3,28-29. May 19, 1951. 6 Oh3

- 59050 HAGEDOORN, A. L. The nucleus system of breeding animals; combination of progeny-testing and inbreeding results in purity and uniformity of desirable qualities in stock. *Farmer's Wk. [Bloemfontein]* 81:10. Apr. 4, 1951. 24 F225

- 59051 HERRICK, J. B. Current trends in artificial insemination. *No. Amer. Vet.* 32:392-393. June 1951. 41.8 N812

- 59052 KÜST, D., and JÜRGENS. Erfahrungen mit der sperma-verdünnungsflüssigkeit Sp. V. 161 der Behringwerke. *Tierärztl. Umschau* 6:168-169. May 1951. 41.8 T445

- 59053 LORTSCHER, H. Die erbmassigen grundlagen der züchtungsverfahren. *Schweiz. Ver. f. Tierzucht. Schr.* 14:5-31. Ref. 1951. 49.9 Sch92

59054 LUSH, J. L. The impact of genetics on animal breeding. *J. Anim. Sci.* 10:311-321. May 1951. 49 J82

59055 OLBRYCHT, T. Chances of an increase in fertility in the light of the new biology. (In Polish.) *Med. Weter.* 7:44-47. Jan. 1951. 41.8 M463

Michurin theory.

59056 SCHWEIZERISCHE VEREINIGUNG FÜR TIERZUCHT. Die zuchtmethoden bei den haustieren unter besonderer berücksichtigung des reinzuchtprinzips. Vorträge an der tagung der Schweizerischen Vereinigung für Tierzucht vom 21. und 22. juli 1950 in Langnau i. E. Bern, Benteli, 1951. 67 p. (Schriften 14) 49.9 Sch92

59057 SIMS, E. M. The business of purebred production; constructive breeding of registered livestock is a highly specialized enterprise requiring much patience for successful achievement. Its risks are a challenge to those who would devote their capital and talents to practical service. *Shorthorn World* 36(6):5, 18-20. May 25, 1951. 43.8 Sh8

FEEDS AND FEEDING

59058 BAKER, W. S. The values the feed manufacturer expects to receive in fish meal. *Feedstuffs* 23(21):34, 36. May 26, 1951. 286.81 F322

59059 BENEDICTUS, J. Modern ensiling methods in practice. (In Dutch.) *Landboude* 5(9):6. Mar. 3, 1951. 12 L234

Also in *Overijsselsch Landbl.* 33(1594):6. Mar. 3, 1951. 12 Ov2

59060 BERTL. Mineralstoffbeigaben bei der rinderfütterung. *Landwirtschaft* 1951:64-65. Feb. 1951. 19 L235

59061 BRÉTIGNIÈRE, L., and others. Ensilage des fourrages verts. Ed. 3. Paris, Maison Rustique, 1950. 153 p. 60.7 B75

J. Godfernaux, L. Der Khatchadovrian, A. J. Charon, and A. Maupas, joint authors.

59062 BRIGGS, J. E. Recent advances in nutrition as they apply to the veterinarian. *Vet. Med.* 46:260-265. July 1951. 41.8 M69

Vitamin B₁₂; antibiotics; nutrition during gestation; B-complex vitamins.

Also in *Feedstuffs* 23(21):38, 40, 42-45. May 26, 1951. 286.81 F322

59063 BRIQUET JUNIOR, R. The animal protein factor. (In Portuguese.) *Selec. Agr.* 6(59):11-12. Mar. 1951. 9.2 Se4

59064 BROUGHTON, A. How to make grass silage. *Wis. Agr. & Farmer* 78(9):6. May 5, 1951. 6 W751

59065 BRUCHARD, M. DE. Vers une amélioration des procédés d'ensilage. *Unité Paysanne* 6(280):1, 6. Apr. 7, 1951. 14 Un3

59066 CARPENTER, K. J., and ELLINGER, G. M. The effect of processing methods on the availability of lysine in groundnut meals. *Biochem. J.* 48:liii-liv. Apr. 1951. 382 B52

59067 CASH, J. G., and RUSSELL, H. G. Too much sunshine! Here are tips from the judges on how to make high-protein hay. *Farm J.* 75(6):37. June 1951. 6 F2212

59068 CONSTANS, J. L'utilisation de la mélasse dans l'alimentation animale. *J. de la France Agr.* 7:1453. Mar. 30/Apr. 5, 1951. 14 J829

59069 CORRIE, F. E. Feeding farm animals. 41-44. *Fert. Feed. Stuffs & Farm Supplies J.* 37:307-309, 337-339, 374-376, 402-404. May 16-June 27, 1951. 57.8 F413

59070 CUNHA, T. J. Preliminary observations on supplementing various corn-cottonseed meal rations. (Abs.) *Cottonseed Nutr. & Processors Conf. Proc.* 1950:38-41. 1951? 1.9321 S2P943

Includes discussion.

59071 DAVIS, R. Silage and its part in animal husbandry. *So. Austral. Dept. Agr. J.* 54:357-358, 360. Feb. 1951. 23 So84

Preparation and nutritive value.

59072 DIJKEMA, A. R. Costs of the Hardeland method. (In Dutch.) *Friesch Landtbl.* 48:191. Mar. 23, 1951. 12 F91

Silage preparation.

59073 DIJKSTRA, N. D. The ensiling of grass. (In Dutch.) *Friesch Landtbl.* 48:190-191. Mar. 23, 1951. 12 F91

59074 EDEN, A. High protein silage. *Farmer & Stock-Breeder* 65(3209):81-82. Apr. 24, 1951. 10 F228

59075 EPP, L. L'auréomycine accélère la croissance. *Terre d'Oc* 33:173-175. May 1951. 14 Ar5

In poultry and animal nutrition.

59076 FANELLI, L. Substantial value of the carob-tree (nutrition and industry). II. (In Italian.) *Mondo Agr.* 2(13):5. Apr. 1, 1951. 16 M74

Use as livestock feed and in industry.

59077 FARBOVSKIĬ, V. Rational utilization of bagasse. (In Russian.) *Miasnala Indus. SSSR.* 21(6):63-64. Nov./Dec. 1950. 50.8 M58

As feed.

59078 FJELDSTED, M. Protein from carp. *West. Farm Life* 53(10):8, 12. May 15, 1951. 6 R153

Protein supplement for poultry and livestock.

59079 GALL, L. S., and others. The effect of purified diets upon rumen flora. *J. Nutr.* 44:113-122. Ref. May 10, 1951. 389.8 J82

W. E. Thomas, J. K. Loosli, and C. N. Huhtanen, joint authors.

59080 GOETT, E. J. Antibiotics for fortifying animal feeds. *Grain & Feed J. Consolidated* 106(9):23, 25. May 9, 1951. 298.8 G762

59081 GRASHUIS, J. Voedermiddelen voor de landbouwhuiscdieren [Feeds for domestic animals]. Ed. 2. Zelhem, Remmelink, 1950. 232 p. 389.7 G76Vo

59082 GREENSLADE, J. A. Home-produced feed to slash your meal bills. *Smallholder* 84(2126):26. Feb. 16, 1951. 10 Sm1

Relative values of forage crops, potatoes and roots.

59083 GROOT, H. DE. Ensiling and the weather. (In Dutch.) *Boer en Tuinder* 5(220):3. Apr. 7, 1951. 12 B632

59084 GROOT, H. DE. The ensiling of grass. (In Dutch.) *Landboude* 5(17):1. Apr. 28, 1951. 12 L234

59085 HAMMOND, C. Thirty-five years of grass silage history. *Sealtest Dairyman* 5(3):11. May/June 1951. 44.8 Se1

59086 HAMMOND, J. Scientific developments in animal husbandry. *Gt. Brit. Min. Agr. Agriculture* 58:81-85. May 1951. 10 G79J

Feeding and breeding.

59087 HANSON, D. This is the year for grass silage. *Successful Farming* 49(6):41, 86-88. June 1951. 6 Su12

59088 HAYS, J. G. Things you should know about feeding grass silage. *Mich. Farmer* 215:486-487. June 2, 1951. 6 M58

59089 HAYWARD, J. W. Soybean oil meal for livestock and poultry. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p. 891-947. New York, Interscience, 1951. 60.3 M34

59090 HENDEL, H. Nicht jeder mais ist silomais. *Deut. Landwirt. Presse* 74:74. Mar. 17, 1951. 18 D482

59091 HOGLUND, C. R. Grass silage, many find it an economical feed. *Mich. Farmer* 215:349, 380. Apr. 21, 1951. 6 M58

59092 HORNICH, H. Vom nährwert der futterhefe. *Pflug* 4:28-30. Feb. 1951. 19 P48

59093 HUTCHINSON, J. A balanced concentrate from dried grass. *Farmers Wk. [London]* 34(22):63. June 1, 1951. 10 F2226

59094 JONES, M. Consolidation where it's wanted. *Farmers Wk. [London]* 34(19):51. May 11, 1951. 10 F2226

Silage preparation.

59095 KEHAR, N. D., and DEB-GOSWAMI, M. N. Kudzu vine (*Pueraria thumbergiana*) as fodder. *Sci. & Cult.* 16:77-78. Aug. 1950. 475 Sci24

59096 KENNAN, T. C. D. Preliminary report on a comparison of several heavy yielding perennial grasses for the production of ensilage. (Sum.) *So. African J. Sci.* 47:262. Apr. 1951. 515 So84

59097 KNODT, C. B. Sulphur dioxide and grass silage. *Pa. Farmer* 144:392-393, 423. May 12, 1951. 6 P383

59098 KONŦUKHOVA, V. A. Yeast fermentation of feeds at lowered temperatures. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):11-13. Dec. 1950. 49 So71

59099 LE BOT, M. Pour bien réussir l'ensilage. *Anjou Agr.* 7(209):1. Apr. 25, 1951. 14 An5

59100 LEVITSKIĬ, B. G. Yeast fermentation of feeds. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):7-10. Dec. 1950. 49 So71

59101 LINSE, H. Topinambur, eine wertvolle futterpflanze. *Pflug* 4:60-61. Mar. 1951. 19 P48

59102 LINTON, R. G. Animal nutrition and veterinary dietetics. Ed. 3, by J. T. Abrams. Edinburgh, Green, 1950. 521 p. 389.7 L65

59103 LOFGREEN, G. P. The use of digestible energy in the evaluation of feeds. *J. Anim. Sci.* 10:344-351. Ref. May 1951. 49 J82

59104 LUK'ANCHUK, I. N. Seakale—a valuable feed for livestock. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):21-23. Dec. 1950. 49 So71

59105 MACKINTOSH, J. Heavier and better quality fodder. *Farmer & Stock-Breeder* 65(3210):83-84. May 1, 1951. 10 F228

Feeding stuff production in Great Britain.

- 59106 MAGIDOV, G. A. Chemical method of processing straw [for feed]. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):14-17. Dec.1950. 49 So71
- 59107 MALONE, C. M. Mr. Potato—partner in the livestock business. *Amer. Potato J.* 28:583-585. Apr. 1951. 75.8 P842
- 59108 MILLIMAN, T. E. Must grass silage have preservatives? *G. L. F. Week. Serv. Sched.* 15(46):1. May 21, 1951. 280.28 G113W
- 59109 MISHLER, D. H. Know urea to use it well in dairy feeds. *West. Feed & Seed* 6(4):48,66. Apr.1951. 389.78 W52
- 59110 MOLFENTER, W. Fütterungsregeln für gärfutter. *Hannoversche Land- u. Forstwirt. Ztg.* 104:225-226. Mar.10,1951. 18 H194
- 59111 MOON, F. E., and RAAFAT, M. A. Some biochemical aspects of bracken "poisoning" in the ruminant animal. I. Vitamin factors. *J. Sci. Food & Agr.* 2:228-240. Ref. May 1951. 382 So12
- 59112 MOSUNOV, A., and SEITOV, V. Livestock fattening on the farms of the procurement agencies. (In Russian.) *Miasnafa Indus. SSSR.* 21(6):65-66. Nov./Dec. 1950. 50.8 M58
- 59113 NEHRING, K. Lehrbuch der tierernährung und futtermittelkunde. Radebeul, Neumann, 1950. 403 p. 389.7 N31
- 59114 NORDLOH, P. C. Why paint the sow's belly red? *East. Feed Merchant* 2(4):34,36,52-53. Apr.1951. 389.78 Ea7
- Trace minerals in animal nutrition.
- 59115 NORRIS, L. C. Some new nutritional interrelationships having practical implications. *Feedstuffs* 23(19):28,30,32-33,36,38. May 12,1951. 286.81 F322
- 59116 OWENS, J. S. Which preservative for grass silage? *New Eng. Homestead* 124(7):10-11. Apr.14,1951. 6 N442
- 59117 PANNENBERG. Sillieren oder kompostieren? *Hannoversche Land- u. Forstwirt. Ztg.* 103:1081. Dec.2, 1950. 18 H194
- 59118 PERUCHON, J. L'avoine germée, avantages et inconvénients. *Voix des Colons* 33(1602):2. (Concl.) Apr.2,1951. 24 V85
- As feed.
- 59119 PETERSEN, C. F. What types of feed should contain antibiotics? (Extr.) *West. Feed & Seed* 6(4):19, 45. Apr.1951. 389.78 W52
- 59120 PORTERFIELD, J. G. Reducing labor and equipment costs in grass silage production. *Forage Notes* 6:10-11. Feb.1951. 60.8 F74
- 59121 ROMBAUTS, P. Le tourteau de tournesol. I. Composition, valeur alimentaire et efficacité protéique. *Oléagineux* 6:203-210. (To be cont.) Apr.1951. 77.8 OL2
- 59122 RUPP, G. Gärfutter im strohsilo. *Pflug* 4:51-54. Mar.1951. 19 P48
- 59123 SCHMID. Bei häckselheu keine höheren nährstoffverluste. *Wirtstemb. Wchnbl. f. Landwirt.* 118:361. May 5,1951. 18 W96
- 59124 SCHOLL, J. M. Grass silage in the Corn Belt states. *Forage Notes* 6:9-10. Feb.1951. 60.8 F74
- 59125 SEBELIUS, H., and GRANSTRAND, B. Free fatty acid content in oilcake fat. (In Swedish.) *Sweden. Stat. Landbrkem. Kontant. Meddel.* 12:20-24. 1951.
- 59126 SEEDORF, W. So geht es nicht! Zum thema: verfüttern von rogen. *Hannoversche Land- u. Forstwirt. Ztg.* 104:23-24. Jan.13,1951. 18 H194
- 59127 STAPLES, G. E., and others. Effect of stage of maturity and storage on quality, quantity, and nutritive value of South Dakota prairie hays. *J. Anim. Sci.* 10:447-454. Ref. May 1951. 49 J82
- R. M. Jordan, G. F. Gastler, A. B. Nelson, and C. J. Franzke, joint authors.
- 59128 TOMKINS, J. W. Stack silage: a good method under suitable conditions. *Brit. Farmer* 35:10. May 31, 1951. 281.8 B77
- 59129 USUELLI, F. Recent research on the relations between nutrition and reproduction. VII. Variations in vitamin content; vitamins of the B group. (In Italian.) *Riv. di Zootec.* 24:45-49. Feb.1951. 49 R52
- 59130 VAN WYK, H. P. D., OOSTHUIZEN, S. A., and BASSON, J. D. The nutritive value of South African feeds. II. Hay and pasture crops. *Union So. Africa. Dept. Agr. Sci. B.* 298,50 p. 1951. 24 So84S
- 59131 WADLOW, T. J. The root of the matter. *Farmers Wk. [London]* 34(17):51. Apr.27,1951. 10 F2226
- Root crops for feed.
- 59132 WAHNON, J. S. Cereal straws (wheat, barley, and oats); composition and nutritive value. (In Portuguese.) *Melhoramento* 3:31-75. 1950. 105.7 M48
- English summary.
- 59133 WALDMANN, H. Silo- und futterlehorschau in Kaufbeuren. *Allgäuer Bauernbl.* 19:112-113. Mar.1,1951. 18 AL53
- 59134 WAY, G. S. Save money with grass silage. *Farmer's Mag.* 48(5):9,17,46-47. May 1951. 7 C165
- Preparation.
- 59135 YLLO, L. Forage beets as AIV-feed. (In Swedish.) *Forsk.- och Försöksresultat* 2:49-51. Oct.15,1950. 20 F77
- 59136 YOHE, R. S. What is good silage? Much depends on how you prepare it. *Prairie Farmer, Gen. Ed.* 123(10):6. May 19,1951. 6 P883
- 59137 ZAVORAL, H. G. Antibiotics; what they are—how to use them. *Co-op. Shipper* 31(5):6-7. May 1951. 280.38 C78
- In animal nutrition.
- 59138 ZOFFOLI, A. Importance of mineral salts in livestock nutrition. (In Italian.) *Romagna Agr. e Zootec.* 36(2/3):9. Feb.1951. 16 R66

VETERINARY MEDICINE

- 59139 ALBRECHT, R. I had undulant fever. *Prairie Farmer, Ill. Ed.* 123(9):5,33. May 5,1951. 6 P883B
- Protective measures against brucellosis.
- 59140 ALBRECHT, R. Stop brucellosis? Some livestock men think price is too high to wipe it out entirely. *Prairie Farmer, Gen. Ed.* 123(10):20-21. May 19,1951. 6 P883
- 59141 ALUIGI, M. The tubular vaginoscope in the practice of artificial insemination and obstetrics. (In Italian.) *Prog. Vet.* 6:247-248. Apr.15,1951. 41.8 P942
- 59142 ARÁN SAN AGUSTÍN, S. Servicios y remuneraciones. *Lérida Ganad. (ser.3)* 122:256-257. Dec.1950. 41.8 L56
- 59143 ARBURUA, J. M. History of formal veterinary education. *Calif. Vet.* 4(5):15-16. (To be cont.) May/June 1951. 41.8 C12
- 59144 ARUTIUNIAN, G. K. Twenty years of the Armenian Scientific-Research Veterinary Institute. (In Russian.) *Veterinariia* 28:63. Jan.1951. 41.8 V6426
- 59145 AXBY, J. L. Notes on early history of the Indiana Veterinary Medical Association. *Vet. Med.* 46:250-252. July 1951. 41.8 M69
- 59146 BARAN, W., and JANIÁK, T. Nitrogen mustard in the veterinary therapeutics. (In Polish.) *Med. Weter.* 7:20-24. Jan.1951. 41.8 M463
- 59147 BARNES, M. O. Proposed [livestock] disease control program. *Wash. State Col. Ext. Mimeog.* 976,3 p. 1951? 275.29 W27Mi
- 59148 BELIN, C. Le contrôle officiel du vaccin anti-aphteux Belin. *Rev. de Méd. Vét. [Toulouse]* 102:17-24. Jan.1951. 41.8 R32
- 59149 BETTINI, T. M. Elementi di zoognostica [Elements of zoognostics]. Torino, Società Editrice Internazionale, 1950. 271 p. 444 B464E
- 59150 BODDIE, G. F. Diagnostic methods in veterinary medicine. Ed. 3. Edinburgh, Oliver & Boyd, 1950. 389 p. 41 B637
- 59151 BOHOSIEWICZ, M. Some observations from the toxicological laboratory. (In Polish.) *Med. Weter.* 7:40-41. Jan.1951. 41.8 M463
- 59152 BONSMÁ, J. C. The value of identical twins in animal husbandry research. *Farming So. Africa* 26:80-84. Mar.1951. 24 So842
- 59153 BRANDLY, C. A. The diagnosis of virus diseases of animals. *Cornell Vet.* 41:162-180. Ref. Apr. 1951. 41.8 C81
- 59154 BUNDE, C. A. The parenteral use of water and salt water. *Vet. Med.* 46:266-270. July 1951. 41.8 M69
- 59155 COTTIER, H. Hygiène et médecine vétérinaire à la ferme. Ed. 7, rev. and enl. Paris, Librairie Hachette, 1950. 516 p. (Encyclopédie des Connaissances Agricoles) 41 C82
- 59156 COWIE, A. T. Pregnancy tests. *Vet. Rec.* 63:371-373. Ref. May 26,1951. 41.8 V641
- 59157 CUTTS, J. Regional education. *Auburn Vet.* 7:117-118. Spring 1951. 41.8 Aul
- 59158 DALLING, SIR T. The march of veterinary science. *Gt. Brit. Min. Agr. Agriculture* 58:86-91. May 1951. 10 G79J
- Control of diseases of major importance among cattle, sheep, pigs and poultry.
- 59159 DŁUŻEWSKI, S. New stage of the Pavlov's physiology. (In Polish.) *Med. Weter.* 7:95-97. Feb.1951. 41.8 M463

- 59160 DUDZUS, G. Beitrag zur therapie mit "echinacin." Tierärztl. Umschau 6:172-174. Ref. May 1951. 41.8 T445
Antibiotic from Echinacea angustifolia.
- 59161 DUNLAP, G. L., and LOCKHART, A. Treating rabies-exposed animals. Vet. Med. 46:225. June 1951. 41.8 M69
- 59162 EDWARDS, J. T. History of veterinary profession 1851-1951. A. The state of the veterinary art in Britain at the date of the Great Exhibition of 1851. Brit. Vet. J. 107:167-186. (To be cont.) May 1951. 41.8 V643
- 59163 FINCHER, M. G. The need for research on virus diseases of farm animals. Cornell Vet. 41:204-208. Apr. 1951. 41.8 C81
- 59164 FINIK, Z. A new stage in the development in the dialectic pathology. (In Polish.) Med. Weter. 7:1-4. Jan. 1951. 41.8 M463
- 59165 FINLAND. MAATALOUSMINISTERIÖ. ELAIN-LAAKINTOOSASTO. Kertomus vuodelta 1948. Rapport de la Section Vétérinaire du Ministère de l'Agriculture pour l'année 1948. Helsinki, 1950. 45 p. 41.9 F492
French summary.
- 59166 FRANCIS, T., JR. Immunity in virus diseases. Cornell Vet. 41:190-203. Apr. 1951. 41.8 C81
- 59167 GARBRECHT, F. Fiebre aftosa. Rev. Nac. de Agr. 45(550):26. Feb. 1951. 9.4 R32
- 59168 GINEIT, A. I. Shalakusha Zoo-Veterinary Section [in Archangel Region]. (In Russian.) Sov. Zhiivotnovod. 12(12):79-80. Dec. 1950. 49 So71
- 59169 GIUNCHI, G., and VISCO, G. First results of serological studies on infection by Coxiella burnetii in various species of domestic animal. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:950-952. June 1950. 442.8 So12
- 59170 GRUSZECKI, S. Demography of the veterinary profession. (In Polish.) Med. Weter. 7:51-54. Jan. 1951. 41.8 M463
Poland.
- 59171 GRUSZECKI, S. The planning of investments in the veterinary service. (In Polish.) Med. Weter. 7:137-139. Feb. 1951. 41.8 M463
- 59172 HALL, M. Warts on domestic animals. Auburn Vet. 7:131-132. Spring 1951. 41.8 Aul
Preparation of autogenous wart vaccine.
- 59173 HALNAN, E. T., and HAMMOND, J. A course of practical physiology for agricultural students. Ed. 2. Cambridge, U. Press, 1950. 124 p. 444 H16
- 59174 HAMMOND, J., BROWNE, F. J., and WOLSTENHOLME, G. E. W., eds. Toxaemias of pregnancy, human and veterinary; a Ciba Foundation symposium. London, Churchill, 1950. 280 p. Ref. 448 H186
- 59175 HARRIS, L. E. New developments in chemotherapeutic agents. Vet. Med. 46:208-211. (To be cont.) June 1951. 41.8 M69
Antibiotics.
- 59176 HART, G. H. Veterinary science research; current studies on disease and injury to domestic animals aid in the training of future veterinarians. Calif. Agr. [Calif. Sta.] 5(5):3,14. May 1951. 100 C12Cag
- 59177 HAYES, W. W., and COOK, W. C. Oxygen therapy. Auburn Vet. 7:128-129. Spring 1951. 41.8 Aul
- 59178 HOLLEY, K. T. Cottonseed meal toxicity studies. (Abs.) Cottonseed Nutr. & Processors Conf. Proc. 1950:28-29. 1951? 1.9321 S2P943
- 59179 IBÁÑEZ SÁINZ, E. Orientaciones urgentes de la sanidad veterinaria. Lérica Ganad. (ser.3)122:260-262. Dec. 1950. 41.8 L56
- 59180 JIMÉNEZ, M. La fiebre aftosa en los llanos. Agr. Trop. 7(4):20. Apr. 15, 1951. 26 Ag8
Colombia.
- 59181 JUSZKIEWICZ, T. The role of fundamental medical sciences in the present stage of the veterinary medicine. (In Polish.) Med. Weter. 7:99-103. Ref. Feb. 1951. 41.8 M463
- 59182 KIRKOR, S. Impressions from a visit to Czechoslovakia. (In Polish.) Med. Weter. 7:122-124. Feb. 1951. 41.8 M463
- 59183 KONDE, W. N. In the small animal clinic. Auburn Vet. 7:135-136. Spring 1951. 41.8 Aul
Cortisone acetate; intravenous iron; distemper vaccine.
- 59184 KONOVALOV, A. I. To the 40th anniversary of Vologda Scientific Research Veterinary Experiment Station. (In Russian.) Veterinariia 28:60-61. Jan. 1951. 41.8 V6426
- 59185 KRAPIVNER, L. M. Dissemination of zoo-veterinary knowledge for service to animal industry. (In Russian.) Veterinariia 28:9-13. Jan. 1951. 41.8 V6426
- 59186 KRAUSS, S. Postulates of the veterinary administration to the address of the veterinary sciences. (In Polish.) Med. Weter. 7:97-99. Feb. 1951. 41.8 M463
- 59187 KRAVCHENKO, A. T. Development of D. I. Ivanovskii's ideas in the investigation of viruses which affect man and animals. (In Russian.) Mikrobiologiya 19:516-526. Nov./Dec. 1950. 448.3 M582
- 59188 KUHN, W. R. Über die stabilisierung des blutes. I. Vom einfluss der elektrolyte — zugleich ein beitrage zur theorie der blutgerinnung. Tierärztl. Umschau 6:169-171. May 1951. 41.8 T445
- 59189 KUHN, W. R. Ueber einen apparat zur bluttransfusion und zur plasmagewinnung bei den haustieren. Deut. Tierärztl. Wchnschr. 58:137-138. May 1, 1951. 41.8 D482
- 59190 LAIZET. Au sujet de la castration. Colon Franç. de Tunisie (ser.7)44(2197):4. May 12, 1951. 24 C712
- 59191 LAUDERDALE, N. B. U. S. B. A. I. careers. Auburn Vet. 7:143-144. Spring 1951. 41.8 Aul
- 59192 LISTE nominative des docteurs en médecine vétérinaire agréés, dressée par circonscription vétérinaire au 1^{er} janvier 1951. Bruxelles, 1951. 41 p. 225 L693
- 59193 MACE, D. L., and others. In vitro cultivation of the Mexican strain (Vallée "A" type) of foot-and-mouth disease virus. J. Infect. Dis. 88:212-223. Ref. May/June 1951. 448.8 J821
H. W. Dunne, E. A. Eichhorn, and F. Camargo N., joint authors.
- 59194 MACNAB, R. H. The contribution of the pharmaceutical industry to veterinary medicine. Brit. Vet. J. 107:235-238. May 1951. 41.8 V643
- 59195 MARULANDA CAICEDO, L. La fiebre aftosa. Rev. Agr. y Ganad. 13(132):3-4. Jan. 1951. 9.4 R327
- 59196 MEHLS, H. J., and HAENLEIN, H. Über die behandlung von darmkatarrhen. Tierärztl. Umschau 6:172. May 1951. 41.8 T445
- 59197 PARNAS, J. Theses to the general report of the veterinary undersection of the I Congress of Polish Science. (In Polish.) Med. Weter. 7:79-84. Feb. 1951. 41.8 M463
- 59198 PIETRO ROSSI, R. Veterinarians must be zoophiles, but not zoologists. (In Italian.) Prog. Vet. 6:228-229. Apr. 15, 1951. 41.8 P942
- 59199 PILZ, W. Die antibiotika in der tuberkulosebekämpfung. Monatsh. f. Prakt. Tierheilk. 3:45-53. Ref. 1951. 41.8 M74
- 59200 PIRES, F. A. Antrycide in the treatment of trypanosomiasis. (In Portuguese.) Gaz. do Agr. 3:64-65. (To be cont.) Mar. 1951. 24 G25
- 59201 POITEVINT, C. H. Large animal facilities. Auburn Vet. 7:146-149. Spring 1951. 41.8 Aul
Buildings and equipment for veterinary hospital.
- 59202 POLUSZYŃSKI, G. From the problems of Soviet parasitology. (In Polish.) Med. Weter. 7:107-108. Feb. 1951. 41.8 M463
- 59203 PRAT, J. DE. La timpanitis de los rumiantes. Cult. Mod. 34:86. Mar. 1951. 15 C89
- 59204 REGAZZOLI, J. A. Sacrificar el ganado aftoso no solucionara el mal. Rev. Agr. y Ganad. 13(132):10-11. Jan. 1951. 9.4 R327
- 59205 RENOUX, G., and ROUX, J. Emploi d'un antigène à l'alcool pour la pratique de la réaction d'agglutination dans la brucellose. Soc. de Biol. Compt. Rend. 145:267-269. Feb. 1951. 442.9 P21
- 59206 RICO, G. Ganaderia; una inmensa riqueza en peligro. Rev. Agr. y Ganad. 13(132):12,14-15. Jan. 1951. 9.4 R327
Foot and mouth disease among Colombian livestock.
- 59207 ROBINSON, E. M. Immunization experiments with foot and mouth disease vaccine in Bechuanaland. So. African Vet. Med. Assoc. J. 22:37-40. Mar. 1951. 41.8 So8
- 59208 RUNGE, S. Poulson's parturition forceps for small animals. (In Polish.) Med. Weter. 7:33-34. Jan. 1951. 41.8 M463
- 59209 RUNGE, S. The valuation of the situation in the sphere of the clinical sciences. (In Polish.) Med. Weter. 7:84-86. Feb. 1951. 41.8 M463
- 59210 RUST, J. H. Civil defense and nuclear energy. Amer. Vet. Med. Assoc. J. 118:363-364. Amer. Vet. Med. Assoc. J. 118:363-364. June 1951. 41.8 Am3
Role of the veterinarian.
- 59211 RUST, J. H. Cytologic and pathologic effects of ionizing radiation of interest to the veterinarian. Amer. Vet. Med. Assoc. J. 118:355-363. Ref. June 1951. 41.8 Am3
- 59212 SACCO, P. Contagious diseases of livestock. (In Italian.) Terra [Firenze] 62(6):3. Feb. 11, 1951. 6 T274
Prevention.

- 59213 SAXER, E. Über beziehungen zwischen allergie und immunität. Schweiz. Arch. f. Tierheilk. 93: 239-265. Ref. Apr.1951. 41.8 Sch9
English summary.
- 59214 SHAT'KO, P. D., and LAMIKHOV, K. F. Ten year activity of the Novosibirsk Veterinary Experiment Station. (In Russian.) Veterinarifä 28:62. Jan.1951. 41.8 V6426
- 59215 SHEEHY, E. J. Diet in relation to health and disease. Agr. Ireland 8:76-77. Apr.1951. 10.5 Ag8
Disorders and diseases of livestock.
- 59216 SHOPE, R. E. Factors involved in the transmission and propagation of viruses. Cornell Vet. 41:181-189. Apr.1951. 41.8 C81
- 59217 SIEKA, M. Tumors in field practice. (In Polish.) Med. Weter. 7:128-129. Feb.1951. 41.8 M463
- 59218 SMITH, C. B. Campaign in Mexico to eliminate foot and mouth disease makes progress. Foreign Trade 9:963-964. June 2,1951. 286.8 C162
- 59219 SMOLUCHOWSKI, A. The basis of tissue-therapy. (In Polish.) Med. Weter. 7:31-33. Jan.1951. 41.8 M463
- 59220 STASKIEWICZ, G. Veterinary pharmacology in the 6 years plan. (In Polish.) Med. Weter. 7:93-95. Feb.1951. 41.8 M463
- 59221 STEFAŃSKI, W. Veterinary medicine and the Congress of Polish Science. (In Polish.) Med. Weter. 7:77-79. Feb.1951. 41.8 M463
- 59222 STRYSZAK, A. Critical review of the state of the epizootiology. (In Polish.) Med. Weter. 7:86-91. Feb.1951. 41.8 M463
- 59223 TASSINARI, R. Phenol in cervico-vaginal prolapse. (In Italian.) Prog. Vet. 6:115,117. Feb.15,1951. 41.8 P942
- 59224 TONDO, C. V. Inactivation, by ultraviolet photons, of the virus of foot-and-mouth disease adsorbed on aluminum hydroxide. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 5(9):25-30. Sept.1950. 49.9 R47
- 59225 TOPPING, N. H. The development of our knowledge and the importance of virus diseases in man and animals. Cornell Vet. 41:146-154. Apr.1951. 41.8 C81
- 59226 TRAUTWEIN, K. Tierärztliche tradition in Baden. Tierärztl. Umschau 6:176-180. May 1951. 41.8 T445
- 59227 TRAWIŃSKI, A. The state and plans of the veterinary microbiology. (In Polish.) Med. Weter. 7:91-93. Feb.1951. 41.8 M463
- 59228 TUREGANO, F. F. Una nueva plaga en la ganadería. Lérida Ganad. (ser.3)122:258-259. Dec.1950. 41.8 L56
Dangers of immunization against animal disease.
- 59229 U. S. BUR. OF ANIMAL INDUSTRY. Incidence of rabies in the United States, calendar year 1950. Washington, 1951. 4 p. 1.972 A2In2
- 59230 VAN ROOYEN, C. E. Present concepts of the nature of viruses. Cornell Vet. 41:155-161. Ref. Apr. 1951. 41.8 C81
- 59231 VIRUS symposium, in conjunction with the dedication of the Cornell Research Laboratory for Diseases of Dogs, held at the New York State Veterinary College. Cornell Vet. 41:145-211. Apr.1951. 41.8 C81
- 59232 WATT, I. G. Diseases transmitted from animals to man. New Zeal. J. Agr. 82:279,281,283-284. (Cont.). Mar.1951. 23 N48J
- 59233 WEGRICH, O. G. Ramifications in the field of medical mycology. Vet. Med. 46:275-277. July 1951. 41.8 M69
- 59234 WILKINS, H. F. Rabies. Mont. Wool Grower 25(5):8,20. May 1951. 45.8 M762
- 59235 WINGO, C. W., and BURK, V. F. Controlling external pests of livestock. Mo. Agr. Col. Ext. Folder 13,4 p. Jan.1951. 275.29 M69FoL
- 59236 WOLFF, H. L., and DINGER, J. E. A new antigen of Brucella abortus. J. Path. & Bact. 63:163-165. Jan.1951. 448.8 J82
- 59237 WURZER, A. Zum nachweis von tuberkelbakterien in milch, lungen- und gebärmutterschleimproben (vergleich zwischen kultur und tierversuch unter berücksichtigung des syrischen goldhamsters). Tierärztl. Umschau 6:164-168. May 1951. 41.8 T445
- 59240 BRUCHARD, DE. Le concours agricole: espèces bovine, ovine, porcine. Acad. d'Agr. de France. Compt. Rend. 37:210-212. 1951. 14 P215Bc
- 59241 DALTON, M. L., LITTON, G. W., and LASSITER, A. T., JR. Hog, sheep, and beef cattle management: 12 questions. Prog. Farmer, Carolinas-Va. Ed. 66 (5):18,26. May 1951. 6 P945
- 59242 DARLING, F. F. The care of farm animals. Ed. 2, rev. London, Oxford U. Press, 1950. 111 p. (The Story of the Countryside. Ser. 2, Book 1) 40 D24C
- 59243 DAVIES, J. M. Some impressions of livestock improvement and management. Manx J. Agr. (n.s.)5(4): 50-56. Apr.1951. 10 M312
- 59244 FRENSEL, O. XVIIIth national exposition of livestock and derived products. (In Portuguese.) B. do Leite 4(41):1,3,5,7. Nov.1950. 44.8 B.33
Brazil.
- 59245 GHISLENI, P. L. Georgic and naturalist hints in a work by a little known Greek author. (In Italian.) Colt. e Gior. Vinic. Ital. 97:87-89. Mar.31,1951. 16 C72
Claudius Aelianus: De animalium natura libri XVII.
- 59246 HERRICK, J., and WICKERSHAM, T. Will your show-ring animal measure up? Successful Farming 49(7): 14,16. July 1951. 6 Sui2
- 59247 IARMAK, N. I. Development of productive livestock on Iarkii Kolos Collective Farm. (In Russian.) Softialist. Zhivotnovod. 12(12):69-74. Dec.1950. 49 So71
- 59248 JENNINGS, N. British livestock at the Festival. Field 197:742-743. May 12,1951. 10 F45
- 59249 KING, B. Livestock in Tennessee Valley moves on carpet of green. South. Livestock J. 10(11):36, 54,56-57. June 1951. 43.8 F66A
- 59250 KNOBLICH, Es ist kreistierschau. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:659-660. May 3,1951. 18 L2346
- 59251 LIVINGSTON, C. J. Livestock judging. Ala. Farmer 30(5):3. Feb.1951. 276.8 AL1
- 59252 MIKHAĬLOV, G. M. Collective farms of Kazakhstan are being enriched with valuable pedigreed livestock. (In Russian.) Softialist. Zhivotnovod. 12(12): 82-83. Dec.1950. 49 So71
- 59253 OERTZEN, H. U. VON. Der tierzüchter auf reisen: in Südbaden. Tierzüchter 3:165-166. Mar.20, 1951. 49 T445
- 59254 PENCE, D. S. The Little International [Livestock Show] by the Huntley Project F.F.A. Chapter. Agr. Educ. Mag. 23:279,283. June 1951. 275.8 Ag8
- 59255 POZNOKHIRIN, F. L. Experiment in promoting achievements of science and practices of leaders into collective farm production. (In Russian.) Sovet. Zootekh. 6:3-7. Jan.1951. 49 So822
Chiefly on livestock research by Askania Nova Institut.
- 59256 ROARK, C. Lands of the south. 4. Flatwoods is new stock frontier; with its drains and dikes, the Coastal Plains marshlands since 1944 has become world's most unique livestock producing area. South. Livestock J. 10 (10):8-11. May 1951. 43.8 F66A
- 59257 ROHNERT, E. T. Ein künstler im dienste der tierzucht, der tierbildhauer Harry Christlieb. Tierzüchter 3:166-167. Mar.20,1951. 49 T445
- 59258 STOVES, J. L. The effect of climate and nutrition on animal fibres. Fibres 12:43-45. Feb.1951. 304.8 F16
- 59259 VAYSSE, J. L'élevage au Maroc. Acad. d'Agr. de France. Compt. Rend. 37:216-218. 1951. 14 P215Bc
- 59260 ZELLER. Enseignements d'une mission aux Etats-Unis. Colon Franç. de Tunisie (ser.7)44(2188):3, (Cont.) Mar.10,1951. 24 C712
Livestock.

CATTLE

Breeds and Breeding

- 59261 ABERDEEN-ANGUS CATTLE SOCIETY. The Aberdeen-Angus herd book, containing the pedigrees of Aberdeen Angus cattle, v. 75. Aberdeen, 1951. 540 p. 43.9 P76
- 59262 ALFORD, J. B. Texas is absorbing large quantities of Aberdeen-Angus cattle. Cattleman 38:28. June 1951. 49 C29
- 59263 AMERICAN GUERNSEY CATTLE CLUB. 74th annual report; a mid-century review. Guernsey Breeders' J. [Peterborough] 82:225-240. May 16,1951. 43.8 G93
- 59264 ANDERSON, A. Those Black commercial cattle. Breeder's Gaz. 116(5):6. May 1951. 49 B74
- 59265 ASTROTH, F. B. Everything can be improved. Calif. Dairymen 31(9):34,75. June 2,1951. 44.8 C12
Cattle breeding, feeding, and herd classification.

MISCELLANEOUS

- 59238 ALI, S. M. Some aspects of animal ecology. Co-op. & Mktg. Rev. 5:16-20. Jan.1951. 280.28 C78243
- 59239 BETTINI, T. M. Physiological climatical research in the United States. (In Italian.) Riv. di Agr. Subtrop. e Trop. 45(1/3):1-7. Jan./Mar.1951. 26 Ag82
English summary.
Applied to livestock raising.

- 59266 BARONE, R., and DEPIGNY, P. Signes de l'âge fournis par les incisives d'adulte chez les bovins de la race de Tarentaise. *Rev. de Méd. Vét. [Toulouse]* 102: 47-50. Jan. 1951. 41.8 R32
- 59267 BATTLES, O. V. A discussion of various breeding practices. *Aberdeen-Angus J.* 32(11):42,117. June 1951. 43.8 Ab3
- 59268 BELONOG, M. G. Barabinskii gosudarstvennyi plemennoi rassadnik krupnogo rogatogo skota Novosibirskoi oblasti [Barabinskii state pedigree breeding farm for cattle in the Novosibirsk Region]. Novosibirsk, Novosibirskoe Obl. Gos. Izd-vo, 1950. 45 p. 43 B415
- 59269 BLOM, E. Om bedømmelsen af tyrespærm specielt med henblik på anvendelsen ved den kunstige sædooverføring. On the evaluation of bull semen with special reference to its employment for artificial insemination. *København, Mortensen, 1950.* 223 p. Ref. 444 B62
- English summary.
- 59270 BONADONNA, T. The "good" dairy bull. (In Italian.) *Glor. di Agr.* 61:92. Mar. 25, 1951. 16 It1G
- 59271 BOWLING, G. A. Ayrshire cattle in America—efforts at breed improvement. *Roy. Highland & Agr. Soc. Scot. Trans. (ser. 5)* 62:1-16. 1950. 10 H536
- 59272 BREITFELD, E. Ein grosser tag der deutschen schwarzbuntzucht. *Hannoversche Land- u. Forstwirtschaft.* 104:177. Feb. 24, 1951. 18 H194
- 59273 BROWN, B. Western Holsteins prominent in new production surge. *West. Dairy J.* 7(7):9-10. May 1, 1951. 44.8 W524
- 59274 BUIATTI, P. G. A new phase in the selection of dairy cattle: health improvement. (In Italian.) *Agr. Tosc.* 6:123-125. Apr. 1951. 16 Ag827
- 59275 BUIATTI, P. G. Selection in the Chianina breed at a breeding farm in the Val di Chiana. (In Italian.) *Riv. di Zootec.* 24:60-65. Feb. 1951. 49 R52
- 59276 CHOHLIS, J. Why Angus? *West. Livestock J.* 29(32):47, 49, 51-52. May 15, 1951. 6 F2278
- 59277 COCHRANE, A. Ayrshire enthusiasm in New Zealand; many wonderful herds with great production records. *Ayrshire Cattle Soc. J.* 23:8-16. Apr. 1951. 43.8 Ay74
- 59278 COURT, T. J. C. La popularidad internacional del ganado Hereford. *Res* 19:25823, 25825. Mar. 20, 1951. 286.85 R31
- 59279 CRISSEY, A. N. Cause for pause; practice of breeding beef bulls to dairy cows raises many questions as trend continues. *New Eng. Homestead* 124(9):16-17. May 12, 1951. 6 N442
- 59280 DOMINGUES, O. Why a new bull? (In Portuguese.) *Seleg. Agr.* 6(59):13-15. Mar. 1951. 9.2 Se4
- 59281 DORESTE, A. El Cebú, un símbolo. *Rev. Ganad. [Habana]* 11(5):16. May 1951. 49 R321
- 59282 EASTERBROOKS, H. L., and others. Streptomycin and streptomycin plus penicillin for increasing the fertility of diluted bull semen. *No. Amer. Vet.* 32:394-395. June 1951. 41.8 N812
- P. Heller, W. N. Plastring, and E. L. Jungherr, joint authors.
- 59283 EDWARDS, J. Planned breeding and A. I. 1-3. *Farmers Wk. [London]* 34(19):45; (20):59; (21):61. May 11-25, 1951. 10 F2226
- Dairy cattle breeding.
- 59284 ELLIOTT, J. A. Milk cows with a Southern accent. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(3):44, 49. Mar. 1951. 6 P945G
- Red Sindhi cross heifers and their production records.
- 59285 ENGELER, W. Neuzzeitliche züchtungsmethoden und ihr anwendungsbereich in der rinderzucht. *Schweiz. Ver. f. Tierzucht. Schr.* 14:40-49. 1951. 49.9 Sch92
- 59286 ERB, R. E. What is a proven bull? *Wash. Farmer* 76:411. June 7, 1951. 6 R151
- 59287 FOHRMAN, M. H., and others. Progress report of the Red Sindhi cross-breeding experiment at Beltsville, Md. *U. S. Bur. Dairy Indus. BDI-Inf-128*, 4 p. June 1951. 1.973 D4B34
- R. E. McDowell, J. F. Sykes, and D. H. K. Lee, joint authors.
- 59288 FOWLER, R. G., JR. Let's measure bull performance. *West. Livestock J.* 29(32):41, 82-83, 85-86. May 15, 1951. 6 F2278
- Feed efficiency and rate of gain traits.
- 59289 GELDORF, W. Old Zealand cattle type revived in Holland and Friesland. (In Dutch.) *Zeeuwisch Landtbl.* 39(2063):6. Mar. 24, 1951. 12 Z2
- 59290 GERLAUGH, P., KUNKLE, L. E., and RIFE, D. C. Crossbreeding beef cattle; a comparison of the Hereford and Aberdeen Angus breeds and their reciprocal crosses. *Ohio. Agr. Expt. Sta. Res. B.* 703, 33 p. Ref. Apr. 1951. 100 Oh3S
- 59291 GORSKIĬ, N. A. Improving the Kostroma breed of cattle. (In Russian.) *Sovet. Zootekh.* 6:8-16. Jan. 1951. 49 So822
- 59292 GREGORY, P. W. Plan for developing better polled cattle from present horned herds. *Calif. Cattleman* 1951:10-12. May 1951. 43.8 C12
- 59293 HANSSON, A., SKJERVOLD, H., and CARLI, B. The genetical determination of the composition of lacto-protein. *Acta Agr. Scand.* 1:112-122. 1950. 11 Ac82
- 59294 HARRIS, J. Friesian challenge to scientists; no basis for their statements on declining milk standards. *Farmer & Stock-Breeder* 65(3209):53. Apr. 24, 1951. 10 F228
- 59295 HIDDEMA, W. The manner in which herd-book cattle are registered in Bali. (In Dutch.) *Hemera Zoa* 57:640-661. Oct. 1950. 41.8 V51
- English summary.
- 59296 HOFER, Züchterarbeit und bessere fütterung bringen erfolg. *Kärntner Bauer* 101:240-241. May 1, 1951. 19 K14
- Cattle.
- 59297 HOLMES, R. H. False economy. *Milk Bd. J.* 2:31. Jan. 15, 1951. 44.8 M5934
- Calving heifers at the age of two years.
- 59298 HOUSTON, D. The Jersey in South Africa. *So. African Dairyman* 13:78, 89. Mar. 1951. 44.8 So822
- 59299 HUGHES, C. E. Breeding for low-cost beef; crossing the Scotch Highland, a breed from the North. *Successful Farming* 49(7):35, 68, 70-71. July 1951. 6 Su12
- 59300 ITTNER, N. R. Summer weight gain: Braford, Herefords compared for seasonal gains in Imperial Valley. *Calif. Agr. [Calif. Sta.]* 5(5):13. May 1951. 100 C12Cag
- 59301 JOHNSON, J. F. Guernsey Breeders and the Golden Guernsey program. *Guernsey Breeders' J. [Peterborough]* 82:407-408, 434. June 6, 1951. 43.8 G93
- 59302 KEARSEY, E. M. Farming in Gloucestershire; "the old Gloucesters." *Farming Gloucestershire* 10:7, 9. 1951. 10 F2291
- Gloucestershire cattle.
- 59303 KELLER, R. Die grundlagen der künstlichen befruchtung des rindes. *Wels, Haas, 1950.* 30 p. 43 K833
- 59304 LEADER, T. A. Longevity of Angus based on past records. *Mkt. Examiner* 35(49):7. Apr. 12, 1951. 280.38 M34
- 59305 LE ROUX, J. D. Fertility standard of the cattle herds at the Mara Research Station. *Farming So. Africa* 26:73-77, 94. Mar. 1951. 24 So842
- 59306 LESLIE, N. Progress in artificial insemination. *West. Dairy J.* 7(7):39, 41-42. May 1, 1951. 44.8 W524
- Cattle.
- 59307 MCCREARY, R. F. Cornbelt Aberdeen-Angus. *Breeder's Gaz.* 116(5):8, 26-29. May 1951. 49 B74
- 59308 MARSANO, M. The raising of cattle in the Province of Gorizia. (In Italian.) *Agr. delle Venezie* 5: 69-76. Feb. 1951. 16 Ag826
- Includes discussion of breeds.
- 59309 MARTIN, M. La race bovine Flamande, grande laitière et grande beurrière. *Nord Agr.* 7(20):4-5. Mar. 16, 1951. 14 N75
- 59310 MAULE, J. P. Cebú para carne y leche en Africa. *Rev. Ganad. [Habana]* 11(6):13-14. June 1951. 49 R321
- 59311 MEAD, S. W. Successful breeding of dairy cattle. *Nulaid News* 29:14. May 1951. 47.8 N917
- 59312 MERCURI, S. Importance and future of dual purpose breeds of cattle. (In Italian.) *Agr. Ital.* 2:96-98. Feb. 15, 1951. 16 Ag822
- 59313 MILLER, L. D. How Angus help the beef breeder. *Breeder's Gaz.* 116(5):8, 30-31. May 1951. 49 B74
- 59314 MILLER, L. D. Southwestern cattlemen find the hardy Blacks profitable. *Cattleman* 38:21-22. June 1951. 49 C29
- 59315 MORÁN, G. Intelligence makes champions. (In Portuguese.) *Fazenda* 46(4):27-29. Apr. 1951. 6 H11P
- Cattle breeding.
- 59316 MURILLO, R. Estado del mejoramiento del ganado beniano. *Campo [La Paz]* 5(46):24-25, 27-28. Feb. 1951. 9.1 C15
- Cattle.
- 59317 MYERS, R. M., and ALMQUIST, J. O. A comparison of the effects of aureomycin, penicillin and streptomycin upon spermatozoan livability and control of bacteria in bovine semen. *J. Anim. Sci.* 10:322-330. Ref. May 1951. 49 J82

- 59318 NASON, R. W. Artificial [cattle] breeding in Colchester County [Nova Scotia] makes excellent progress. *Marit. Farmer & Coop. Dairyman* 56(15):3. May 1, 1951. 7 C77
- 59319 NISBET, J. C. Youngsters the Jerseys built; you will find 250 of the healthiest, brightest, smilingest little ladies and gentlemen at the School of the Ozarks. *Jersey B.* 70:532-533, 570. Apr. 25, 1951. 43.8 J48
The School's quality herd.
- 59320 ORTEGA LAFAURIE, J. Resumen de los progresos obtenidos con el ganado lechero en el Centro de Investigaciones Agrícolas de Beltsville. *Agr. Trop.* 7(4):17-19. Apr. 15, 1951. 26 Ag8
Breeding.
- 59321 POZO PELAYO, C. DEL. La selección en Suiza. *Ganadería [Madrid]* 9:50-54. Feb. 1951. 49 G15
Brown Swiss cattle.
- 59322 PRUDENTE CORREA, A. Algunas referencias acerca de la hacienda de selección del ganado nacional del Brasil. *Res* 19:25892-25894. Apr. 20, 1951. 286.85 R31
Cattle.
- 59323 REAVES, P. M. Make dairy cows breed better. *South. Planter* 112(6):10-11. June 1951. 8 So89
- 59324 REED, O. E. Esfuerzos para mejorar los sementales lecheros. *Rev. Ganad. [Habana]* 11(6):30-32. June 1951. 49 R321
- 59325 RHOAD, A. O. Colombia mejora su ganado nativo, el Romo Sinuano. *Rev. Nac. de Agr.* 45(550):24-25. Feb. 1951. 9.4 R32
- 59326 ROF CODINA, J. Raza bovina Gallega Rubia Mejorada. II-III. *Cult. Mod.* 34:53-54, 100-101. Feb.-Mar. 1951. 15 C89
- 59327 ROLLINSON, D. H. L. Studies on the abnormal spermatozoa of bull semen. *Brit. Vet. J.* 107:203-214. (To be cont.) May 1951. 41.8 V643
- 59328 ROYAL JERSEY AGRICULTURAL AND HORTICULTURAL SOCIETY. AGRICULTURAL DEPT. Annual report for 1950. *Jersey, 1950.* 144 p. 10 J48
Chiefly report of the Jersey Herd Book.
- 59329 ROZZI, U. Bulls which are incompletely registered. (In Italian.) *Avvenire Agr.* 59:67-68. Mar. 1951. 16 Av9
- 59330 ROZZI, U. Results obtained in the genotypic selection of dairy cattle in the Province of Parma. (In Italian.) *Avvenire Agr.* 59:58-66. Mar. 1951. 16 Av9
- 59331 SAINT-QUENTIN, M. Grace a sa sobriété la vache bretonne s'acclimate aisément dans les régions les plus diverses. *Rustica* 24:282. Apr. 1, 1951. 14 R92
- 59332 SAMVIRKENDE DANSKE LANDBOFORENINGER. Register-stambog over kvæg af rød dansk malke-race [Register-herdbook on Red Danish dairy cattle], v. 28. *Frederiksberg, 1951.* 116 p. 43.9 Sa4R
- 59333 SAMVIRKENDE DANSKE LANDBOFORENINGER. Stambog over køer af Rød Dansk malke-race [Herd-book of cows of Red Danish milk breed], v. 31. Odense, 1951. 900 p. 43.9 Sa4St
- 59334 SAMVIRKENDE DANSKE LANDBOFORENINGER. Stambog over tyre af Rød Dansk Malke-race [Herd-book of bulls of Red Danish milk breed], v. 55. Odense, 1951. 258 p. 43.9 Sa4S
- 59335 SANCHEZ RUBÍN, J. Por que no hacer de Cuba, un país exportador de ganado? *Rev. Ganad. [Habana]* 11(5):17. May 1951. 49 R321
Brahman cattle.
- 59336 SANTOVENIA ESTRADA, R. El Cebú, premier de nuestra ganadería. *Rev. Ganad. [Habana]* 11(5):18-19. May 1951. 49 R321
Cuba.
- 59337 SCHLEBACH, C. El método de inseminación artificial. *Tierra [Mexico]* 6:541-543. Oct. 1950. 8 T445
Cattle.
- 59338 SCHNEIDER, V. Breeding for low-cost beef; crossing the Brahman, a breed from the South. *Successful Farming* 49(7):34, 60-62. July 1951. 6 Su12
- 59339 SMITH, A. D. B. Recording common-sense; or Sticking pins in bulls. *Ayrshire Cattle Soc. J.* 23:36-39. Apr. 1951. 43.8 Ay74
- 59340 STANTON, D. R. How we buy a Guernsey bull. *Amer. Agr.* 148:301, 306. May 19, 1951. 6 Am3
- 59341 STARTSEV, D. L., ed. *Simmentalizirovannyi skot [Hybridization of cattle with Simmentals]*. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1951. 398 p. 43 St2S
- 59342 STEGENGA, T. The situation for artificial insemination in the Netherlands. (In Dutch.) *Gelders Landbbl.* 14(16):3. Apr. 21, 1951. 12 G282
Cattle.
- 59343 TAGLE, E. C., and GARCIA MATA, E. Razas de carne y doble propósito. *Soc. Rur. Argentina. An.* 85(2):11-18. Feb. 1951. 9 So1
Cattle.
- 59344 THEOBALD, B. H. Beef from Ayrshires; why not? *Dairy Farmer* 24(6):20. June 1951. 44.8 D1414
- 59345 TOMSON, C. K. Shorthorns swing south. *Gulf Coast Cattleman* 17(4):11-12. June 1951. 43.8 G95
- 59346 TREHANE, R. Choosing a dairy bull. *Times Surviv. Brit. Agr.* 1951:7. Mar. 1951. 10 T48
- 59347 VOLKMANN, W. G., JR. Angus future. *West. Livestock J.* 29(32):65, 67, 80. May 15, 1951. 6 F2278
- 59348 WEBER, A. D. Las actividades de los Herefords en los Estados Unidos. *Hereford* 18:154-155. Apr. 1951. 43.8 H42
- 59349 WOLF. Graubraunes Höhenvieh nach Griechenland. *Allgäuer Bauernbl.* 19:126-127. Mar. 8, 1951. 18 AL53
Exports.
- 59350 WOLF, G. Aus dem Pinzgauer zuchtgebiet. *Tierzüchter* 3:163-165. Mar. 20, 1951. 49 T445
- 59351 WOOD, R. L. White markings on Brown Swiss cattle. *Brown Swiss B.* 29(11):13. May 1951. 43.8 B81
- 59352 YUILL, W. J. Rapid rise of Eurarie Jerseys. *Austral. Farm & Home* 60(3):94, 97. Mar. 1, 1951. 23 Au7
- 59353 ZORN, W. Die aufzucht des rindes. Ed. 4. Stuttgart, Ulmer, 1950. 104 p. (Tierzuchtbücherei) 43 Z72

Feeds and Feeding

- 59354 AICHER, L. C., and others. Beef cattle feeding and grazing investigations for 1949-50. *Kans. Agr. Expt. Sta. C.* 272, 19 p. Feb. 1951. 100 K13S
R. F. Cox, F. B. Kessler, A. D. Weber, and F. E. Meenen, joint authors.
- 59355 AJENJO CECILIA, C. Ganado vacuno de producción láctea. *Cult. Mod.* 34:43-44. Feb. 1951. 15 C89
Influence of feeding on milk production.
- 59356 ANGELL, G. N. Heavy hay eaters. *Wash. Farmer* 76:376, 383, 403. May 17, 1951. 6 R151
Feeding dairy cattle.
- 59357 AREY, J. A., and KIMERY, A. C. The proper feeding of dairy cows. *Carolina Farmer* 6(6):8, 19. June 1951. 6 C223
- 59358 ATBASH'IAN, A. A., and GARKAVI, O. V. Changes in the organism of young cattle caused by various types of feeding. (In Russian.) *Sovet. Zootekh.* 6:59-72. Jan. 1951. 49 So822
- 59359 BAKER, M. L., and others. Feeding safflower meal. *Nebr. Agr. Expt. Sta. B.* 402, 11 p. Ref. Jan. 1951. 100 N27
G. N. Baker, C. Ervin, L. C. Harris, and M. A. Alexander, joint authors.
Steer feeding trials.
- 59360 BEALS, H. Mineral needs of the dairy cow. *G. L. F. Week. Serv. Sched.* 15(41):1, 4. Apr. 16, 1951. 280.28 G113W
- 59361 BENDER, C. B. How much milk is there in top quality hay and silage? *Hoard's Dairyman* 96:430, 432. May 25, 1951. 44.8 H65
- 59362 BENTLEY, O. G., and PHILLIPS, P. H. The effect of low manganese rations upon dairy cattle. *J. Dairy Sci.* 34:396-403. Ref. May 1951. 44.8 J822
- 59363 BERTSCH, M. Purdue proves you can get 2 lbs. beef gain with grass, corn silage as only winter roughage. *Prairie Farmer, Mich. Ed.* 123(11):7. June 2, 1951. 6 P883A
- 59364 BODDY, H. Grass silage is a money-maker. *West. Dairy J.* 7(7):48-49, 51, 53. May 1, 1951. 44.8 W524
- 59365 BONADONNA, T. Problems in the feeding of dairy cattle. (In Italian.) *Mondo del Latte* 1951:162, 164. (Cont.) Mar. 1951. 44.8 M74
- 59366 BROOKES, A. J. Well begun is half done; ideal way of producing British beef is to feed calves generously. *Farmer & Stock-Breeder* 65(3211):41. May 8, 1951. 10 F228
- 59367 BURGESSON, P. Increase your milk check by feeding thyroprotein. *Mo. Col. Farmer* 43(4):6. Jan. 1951. 6 M691
- 59368 CIPOLLONI, M. A., and others. Significance of the differences in digestibility of feeds by cattle and sheep. *J. Anim. Sci.* 10:337-343. Ref. May 1951. 49 J82
B. H. Schneider, H. L. Lucas, and H. M. Pavlech, joint authors.
- 59369 COBB, W. T. It pays to creep feed calves. *Gulf Coast Cattleman* 17(4):7-8. June 1951. 43.8 G95
- 59370 CONNELLY, R. G. Grass and legume silage for dairy cows. *Va. Dairyman* 15:1-3. Feb./Mar. 1951. 44.8 V81
- 59371 CONRAD, J. P. Pilot plots show way to obtain maximum results in fertilization of range forage. *Calif. Cattleman* 1951:14-16. May 1951. 43.8 C12

- 59372 CUSHMAN, C. G. The family dairy cow. *Clemson Agr. Col. S. C. Ext. C.* 157, rev., 15 p. Apr. 1951. 275.29 So8E
Chiefly feeding.
- 59373 DAVIS, G. K. Protein in wintering cattle in Florida. *For Sale, Want & Exch. B.* 3(11):1. Apr. 2, 1951. 280.38 F74
- 59374 DILLON, M. Beef. *Agr. Ireland* 8:105, 107. May 1951. 10.5 Ag8
Feeding beef cattle and home production of feed.
- 59375 ELAM, F. L. Triple-threat [cattle] feeding program. *West. Livestock J.* 29(32):39, 60, 62. May 15, 1951. 6 F2278
- 59376 FANNING, J. W. Efficient dairy farmers. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(6):26, 97. June 1951. 6 P945G
Dairy-feeding program.
- 59377 FISCHER. Warum schwankt der fettgehalt der milch in der ersten austriebszeit? *Württemb. Wchnbl. f. Landwirt.* 118:401. May 19, 1951. 18 W96
- 59378 FORSS, D. A. Relation of the essential oils of *Coronopus didymus* to the tainting of butter. *Nature [London]* 167:733-734. May 5, 1951. 472 N21
Grazed by cattle.
- 59379 FRANCQUI, P. Une étude sur l'alimentation des veaux au Katanga. *Cour. Agr.* 16(6):3. Mar. 14, 1951. 24 C83
- 59380 GALLETTI, A. C. Feed and the selection of cattle feeds. (In Italian.) *Terra [Firenze]* 62(11):3. Mar. 18, 1951. 16 T274
- 59381 GROSSMAN, J., OLIVEIRA, W. M. DE, and BRASILIENSE, A. Studies on the premature weaning of Holstein-Friesian calves. (In Portuguese.) *Rio Grande do Sul. Dir. da Prod. Anim. B.* 5(9):3-24. Sept. 1950. 49.9 R47
- 59382 HALL, L. Good grass grows good live stock. *Natl. Live Stock Prod.* 29(8):3, 19. May 1951. 280.38 N21
Cattle.
- 59383 HANSSON, A., and BONNIER, G. Studies on monozygous cattle twins. XII. Influence of nutrition on the rate of body development. *Acta Agr. Scand.* 1:97-111. 1950. 11 Ac82
- 59384 HARPER, G. Self-feed CS meal with salt. *Prog. Farmer, Tex. Ed.* 66(6):28. June 1951. 6 T311
Self-feeding beef cattle.
- 59385 JACOBSON, N. L. Results from feeding grass silage. *Forage Notes* 6:11. Feb. 1951. 60.8 F74
Dairy cows.
- 59386 JAMIESON, S., and ALLCROFT, R. Copper pine of calves. *Brit. J. Nutr.* 4:16-31. Ref. 1950. 389.8 B773
- 59387 JAWETZ, M. B. Cost of winter feeding. *Milk Indus.* 31(11):69-71. May 1951. 44.8 M593
Dairy cattle in Great Britain.
- 59388 JONES, D. W., HODGES, E. M., and KIRK, W. G. Feed when needed is goal in fertilization program. *Fla. Cattleman* 15(9):24-25. June 1951. 43.8 F66
Pastures.
- 59389 LANIER, P. L'alimentation a l'herbe. *Vie Lait.* 7(130):3. Apr. 25, 1951. 44.8 V67
Cattle.
- 59390 LASCELLES, H. R. Feeds that make milk. *Colo. Rancher & Farmer* 5(9):8. May 12, 1951. 6 C714
- 59391 LESPERANCE, R. De bons pâturages pour abaisser le prix de revient du lait. *Terre de Chez Nous* 23(8):8, 17. Apr. 18, 1951. 7 T27
- 59392 LOOSLI, J. K. Distillers feeds and milk production. *East. Feed Merchant* 2(5):26-27, 54-55. Ref. May 1951. 389.78 Ea7
- 59393 MCCONE, W. C. Fattening yearling beef cattle on pasture. *S. Dak. Agr. Expt. Sta. B.* 407, 16 p. Mar. 1951. 100 So82
- 59394 MACOLA, P. Can more meat be produced? (In Italian.) *Agenzia Romana Note e Inform. Agr.* 4(35):10-11. May 19, 1951. 281.8 Ag3
Feeding of calves.
- 59395 NAEGLY, F. K. Turn out time. *G. L. F. Week. Serv. Sched.* 15(44):1. May 7, 1951. 280.28 G113W
Feeding dairy cattle.
- 59396 NASSO, A. DI. Toward increased milk production. (In Italian.) *Romagna Agr. e Zootec.* 36(7):3. May 1951. 16 R66
Through proper feeding.
- 59397 ODLAND, T. E. Sow millet and sudan for late summer roughage. *East. Feed Merchant* 2(6):36, 38. June 1951. 389.78 Ea7
For dairy cattle.
- 59398 PAUTHE, H. Table d'alimentation pour les vaches laitières. *Paysan d'Ille-et-Vilaine* 4(81):5. Mar. 1/15, 1951. 14 P293
- 59399 PEIXOTO, A. M., and GOMES, F. P. A feeding experiment with Refinazil. (In Portuguese.) *Rev. de Agr. [Piracicaba]* 26:65-74. Mar./Apr. 1951. 9.2 R324
Dairy cattle feeding.
- 59400 PIRKER, H. Mit wirtschaftseigenem futter zur höchstleistung. *Kärntner Bauer* 101:209. Apr. 15, 1951. 19 K14
For cattle.
- 59401 PROULX, J. R. L'élevage du veau au lait écrémé. *Terre de Chez Nous* 23(6):6, 12. Apr. 4, 1951. 7 T27
- 59402 RIDDELL, W. H. Dutch dairymen feed less grain but get more milk than N. E. producers. *Milkpail* 1951:3, 6. Mar./Apr. 1951. 44.8 M5932
- 59403 ROBINSON, J. S. For beef—good pastures. *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 66(5):102-103. May 1951. 6 P945K
- 59404 RUSOFF, L. L., and HAQ, M. O. Effect of vitamin B12 (A.P.F.) on the growth of calves weaned from milk at an early age. *J. Anim. Sci.* 10:331-334. Ref. May 1951. 49 J82
- 59405 RUSSELL, K. N. Self-sufficiency not enough; it may be achieved on the large farm but the small milk producer must have concentrates for truly economic production. *Farmer & Stock Breeder* 65(3212):77-78. May 15, 1951. 10 F228
- 59406 SAYERS, B. Tests at Tech show value of demand grain feeding. *Sowest. Crop & Stock* 5(4):12, 86. Apr. 1951. 6 So8942
Grain fed to the dairy cow in proportion to the profit that is derived from her.
- 59407 SCHROECKH. Rübenblätter, ein wertvolles futtermittel. *Hannoversche Land- u. Forstwirt. Ztg.* 103:937. Oct. 21, 1950. 18 H194
For dairy cattle.
- 59408 SCHWALLER, A. Entlastung der milchwirtschaft durch ausdehnung der qualitätsmast. *Schweiz. Zentbl. f. Milchwirt.* 40:23. Feb. 2, 1951. 44.8 Sch93
- 59409 SPANN, J. Tränkwasser, tränken und milchleistung. *Kempten (Allgäu) Volkswirtschaftlicher Verlag*, 1950. 32 p. 43 Sp2T
- 59410 SUTTON, T. S. Minerals for dairy cattle. *Flour & Feed* 51(12):10. May 1951. 298.8 F66
- 59411 TARRONI, D. Fattening cattle with tomato pulp instead of hay. (In Italian.) *Riv. di Zootec.* 24:57-59. Feb. 1951. 49 R52
- 59412 THOMAS, J. W., and MOORE, L. A. Effects of feeding thyroprotein to dairy cows for successive lactations—a report of progress. *U. S. Bur. Dairy Indus. BDI-Inf-127*, 6 p. June 1951. 1.973 D4B34
Abstract of paper presented at the meeting of the American Dairy Science Association, Knoxville, June 6-8, 1951.
- 59413 VANRYPER, G. S. Identical twins aid research. *East. Feed Merchant* 2(4):20-21. Apr. 1951. 389.78 Ea7
Research in calf feeding.
- 59414 VILLIERS, G. Good cows are ruined by too much bulk. *Farmer & Stock-Breeder* 65(3210):81-82. May 1, 1951. 10 F228

Veterinary Medicine

- 59415 AAMDAL, J. Changes in the chromatin substance of the sperms and in galea capitis as cause of sterility in bulls. (In Norwegian.) *Nord. Vetmed.* 3:102-108. Feb. 1951. 41.8 N813
English summary.
- 59416 BADRELDIN, A. L., OLOUFA, M. M., and GHANY, M. A. Heat tolerance of cows and buffaloes in Egypt. *Nature [London]* 167:856. May 26, 1951. 472 N21
- 59417 BALLANTYNE, E. E. Bovine brucellosis control in Alberta. *Canad. J. Compar. Med.* 15:101-107. May 1951. 41.8 C162
- 59418 BARDOULAT, M., MERMET, P., and CALVET, H. Diagnostic et pronostic des réticulites et réticulopéritonites par corps étranger. *Rev. de Méd. Vét. [Toulouse]* 102:27-35. (Concl.) Jan. 1951. 41.8 R32
Cattle.
- 59419 BARKER, C. A. V., and MACGREGOR, K. L. Early spontaneous delivery of bovine foetal mummies. *Canad. J. Compar. Med.* 15:120-122. May 1951. 41.8 C162
- 59420 BARRON, N. Mastitis control to-day. *Milk Bd. J.* 2:167-168. Mar. 15, 1951. 44.8 M5934
- 59421 BEHEIM, M. Der gelbe galt und andere euterkrankheiten. *Allgäuer Bauernbl.* 19:127-128. Mar. 8, 1951. 18 AL53
- 59422 BENTLEY, O. G., and others. Certain trace elements in the feeds, organs, and tissues of a selected group of repeat breeding cows in northeastern Wisconsin. *J. Dairy Sci.* 34:363-366. Ref. May 1951. 44.8 J822
G. V. Quicke, J. Kastelic, and P. H. Phillips, joint authors.

- 59423 BERGER, F. Das euterbild und das melkpersonal. Allgäuer Bauernbl. 19:112. Mar.1,1951. 18 AL53
- 59424 BERGH, H., and EIELAND, E. "Studies on the metabolism of copper using radiocopper Cu-64"; secretion in cow's milk, and excretion in cow's urine and faeces of administered copper. Norske Vidensk. Selsk. Forhandl. 23(14);3 p. 1950. 502 T41F
- 59425 BERGH, H. "Studies on the metabolism of zinc using radiozinc Zn-65"; secretion in cow's milk, and excretion in cow's urine and faeces of administered zinc. Norske Vidensk. Selsk. Forhandl. 23(13);3 p. 1950. 502 T41F
- 59426 BORSETTO, P. L. Observations on the stroma of the cardiac circulatory system in cattle. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:884-886. June 1950. 442.8 So12
- 59427 BRADFORD, F. J., and BRADFORD, V. M. Allergic dermatosis in cow. No. Amer. Vet. 32:396-397. June 1951. 41.8 N812
- 59428 BROWN, D. C. Udder development in young heifer calves. J. Dairy Sci. 34:367-373. May 1951. 44.8 J822
- 59429 BROWN, R. G., and HULL, F. E. Taxus (yew) poisoning of cattle. Amer. Vet. Med. Assoc. J. 118:398-399. June 1951. 41.8 Am3
- 59430 BURKEY, L. A., and others. Trends in the incidence of mastitis infections by different organisms. U. S. Bur. Dairy Indus. BDI-Inf-129,3 p. June 1951. 1.973 D4B34
- Abstract of a paper presented at the meeting of the American Dairy Science Association, Knoxville, Tenn., June 5-8, 1951.
- C. R. Buckner, P. C. Underwood, and W. W. Swett, joint authors.
- 59431 CARR, A. K. Calfhood control. Nulaid News 29(2):25-26. June 1951. 47.8 N917
- Brucellosis control in California.
- 59432 CLOUET, M. L'indication opératoire des réticulites traumatiques. Rev. de Méd. Vét. [Toulouse] 102:36-43. Ref. Jan.1951. 41.8 R32
- Cattle.
- 59433 COHRS, P., and SCHULTE, F. Zur differentialdiagnostischen bedeutung der aluminiumhydroxydgranulome. Monatsh. f. Vetmed. 6:105-109. Mar.15,1951. 41.8 M742
- Aluminum hydroxide vaccine for foot-and-mouth disease produces tumors in cattle.
- 59434 COOK, A. C., KOHLI, M. L., and DAWSON, W. M. Relationships of five body measurements to slaughter grade, carcass grade, and dressing percentage in Milking Shorthorn steers. J. Anim. Sci. 10:386-393. May 1951. 49 J82
- 59435 COWIE, A. T., and others. Studies of the synthesis of milk fat by the perfused, isolated bovine udder. Biochem. J. 48:xxxix-xl. Mar.1951. 382 B52
- W. G. Duncombe, S. J. Folley, T. H. French, R. F. Glascock, L. Massart, G. Peeters, and G. Popják, joint authors.
- 59436 CROMLEY, C. W., and HAGELY, J. M. Clinical studies on the effectiveness of terramycin in large and small animals. Vet. Med. 46:219-221. June 1951. 41.8 M69
- Effective for hemorrhagic septicemia, pneumonia, and mastitis in cattle, and distemper and pneumonia in dogs.
- 59437 DES ILES, T. A. Bovine tuberculosis. Agr. Soc. Trinidad & Tobago. Proc. 50:449-451. Dec.1950. 8 T73
- 59438 DOYLE, T. M., and SPEARS, H. N. A Johne's disease survey. Vet. Rec. 63:355-359. Ref. May 19, 1951. 41.8 V641
- Cattle in England.
- 59439 EATON, H. D., and others. Effect of vitamin A depletion on liveweight, plasma and liver levels of vitamin A and microanatomy in young dairy calves. J. Dairy Sci. 34:386-395. Ref. May 1951. 44.8 J822
- C. F. Helmboldt, E. L. Jungherr, C. A. Carpenter, and L. A. Moore, joint authors.
- 59440 EWBANK, F. C. Wonder drugs for treatment of mastitis. Mich. Milk Messenger 33:4. May 1951. 44.8 M582
- 59441 FAVA, A., and ZANACCA, G. Rare cystic form of cardiac actinomycosis in a bovine. (In Italian.) Zoo-profilassi 6:55-60,62-65. Ref. Feb.1951. 41.8 Z72
- French and German summaries.
- 59442 FREELAND, W. C. Bovine infectious keratitis successfully treated with bacitracin. No. Amer. Vet. 32:395-396. June 1951. 41.8 N812
- 59443 GAISKIL, N. A. Abortion caused by tularemia in a cow. (In Russian.) Veterinariia 28:49. Jan.1951. 41.8 V6426
- 59444 GANCARZ, B., and KOPROWSKI, J. A rare case of diabetes insipidus and attacks of hematuria in an 8-month-old bull. (In Polish.) Med. Weter. 7:36-37. Jan.1951. 41.8 M463
- 59445 GEDDES, H. J. Value of cud transfers in calf-rearing. Austral. Dairy Rev. 19(4):9. Apr.2,1951. 44.8 Au73
- 59446 GOERTTLER, V. Die epidemiologische bedeutung der vulvatuberkulose. Monatsh. f. Vetmed. 6:139-141. Apr.1,1951. 41.8 M742
- Cattle.
- 59447 GONELLA, L. Suture of the lacerations of the uterus occurring in the cow during parturition. (In Italian.) Prog. Vet. 6:113,115. Feb.15,1951. 41.8 P942
- 59448 GORBACHEV, G. I. Prophylaxis of post-partum paresis in cows. (In Russian.) Veterinariia 28:49. Jan.1951. 41.8 V6426
- 59449 GRAMATZKI. Über die weidetetanie, ihre ursachen und ihre verhütungen. Landwirt. Wehnl. f. Westfalen u. Lippe 108A:589-590. Apr.19,1951. 18 L2346
- Dairy cattle.
- 59450 GROSSENBACHER, E. Zur frage des vorkommens und der lebensfähigkeit der galtstreptokokken ausserhalb des kuheuters. Landwirt. Jahrb. der Schweiz 56:141-185. Ref. 1951. 71 L23
- 59451 HAMMOND, J. Las vacas pueden incubar ovulos trasplantados de otro organismo. Mundo Agr. 2(19):34. Dec.1950. 9 M92
- 59452 HEATH, M. K. Caesarean section (a case report). Auburn Vet. 7:122-123. Spring 1951. 41.8 Aul
- 59453 HILL, H. E. Flourine poisoning. Auburn Vet. 7:127. Spring 1951. 41.8 Aul
- Bovine fluorosis in Tennessee, due to industrial contamination of forage.
- 59454 HOGREVE, F. Tbc-resistenzuntersuchungen als aufgabe des konstitutionsforschung. II. Tierzüchter 3:161-163. Mar.20,1951. 49 T445
- 59455 HUGHES, C. E., and SCHNEIDER, V. This Bang's test may save your herd. Successful Farming 49(6):31-33,84-85. June 1951. 6 Su12
- 59456 IAKUSHEV, V. I. Gas-energy metabolism in calves raised in unheated quarters. (In Russian.) Veterinariia 28:20-29. Jan.1951. 41.8 V6426
- 59457 JACKSON, W. F. Blood cellular changes due to anticoagulant. Vet. Med. 46:225,232. June 1951. 41.8 M69
- Samples of calf and dog blood.
- 59458 JOHNSON, L. E., and DINKEL, C. A. Correction factors for adjusting weaning weights of range calves to the constant age of 190 days. J. Anim. Sci. 10:371-377. May 1951. 49 J82
- 59459 JOHNSTON, J. B. The nutritional diseases that grow out of the soil. Cattleman 38:30,32,34,36,38,40,42. June 1951. 49 C29
- 59460 KAISER. Zum artikel: Ueber die spätabnahme der nachgeburat bei der kuh, von B. Thesing. Deut. Tierärztl. Wehnschr. 58:149-150. May 15,1951. 41.8 D482
- 59461 KALMYKOV, S. T., and PUSHKAREVA, V. I. A-avitaminosis of new-born calves. (In Russian.) Veterinariia 28:43-45. Jan.1951. 41.8 V6426
- 59462 KARSTEN. Seuchenhaftes verkalben (Abortus bang); bekämpfung und tilgung ein gebot der stunde. Hannoversche Land- u. Forstwirt. Ztg. 104:225. Mar.10, 1951. 18 H194
- 59463 KIRK, H., and FENNELL, C. Treatment of fracture of os calcis of a bull by plating. Vet. Rec. 63:363-364. May 19,1951. 41.8 V641
- 59464 KOHLI, M. L., COOK, A. C. and DAWSON, W. M. Relations between some body measurements and certain performance characters in Milking Shorthorn steers. J. Anim. Sci. 10:352-364. Ref. May 1951. 49 J82
- 59465 KUBIN, G. Untersuchungen über tuberkulinproben mit abgestuften verdünnungen zur bestimmung der aktuellen reaktionslage des organismus. Wien. Tierärztl. Monatsschr. 38:277-310. Ref. May 1951. 41.8 T345
- English summary.
- Cattle.
- 59466 LAMBIE, G., and ROSE, W. K. The use of "Phenergan" in toxemia associated with acute [bovine] mastitis. Vet. Rec. 63:390. June 2,1951. 41.8 V641
- 59467 LEGKII, A. S., and PONAMAREV, F. G. Use of dry antitubercular vaccine. (In Russian.) Veterinariia 28:50. Jan.1951. 41.8 V6426
- Vaccination of calves with BCG vaccine.
- 59468 LEONHARDT, H. Beitrag zur ursache und behandlung der puerperalen hämoglobinurie. Tierärztl. Umschau 6:174-175. Ref. May 1951. 41.8 T445
- Cows.

- 59469 LIEBNITZ, W. Verh ste im kuhstall, die sich vermeiden lassen. Landwirtsbl. Weser-Ems 98:232-233. Mar.15,1951. 18 L2345
Cattle diseases.
- 59470 LOSKUTOV, A. M. Nettle rash [Urticaria] in cattle. (In Russian.) Veterinariia 28:46-48. Jan.1951. 41.8 V6426
- 59471 LUKS, J. A supposed case of saccharomycosis of muscles. (In Polish.) Med. Weter. 7:42-43. Jan.1951. 41.8 M463
In a heifer.
- 59472 MACEDO, J. N. Care of gestating cows. (In Portuguese.) Seleg. Agr. 6(58):43-44. Feb.1951. 9.2 Se4
- 59473 MCKAY, W. M. A discussion of the high incidence of tuberculosis of bovine-type infection in man in Banffshire. Vet. Rec. 63:383-389. Ref. June 2,1951. 41.8 V641
- 59474 MAGNUS, H. Tuberkulose tilgung und tierzucht. Monatsh. f. Vetmed. 6:113-115. Mar.15,1951. 41.8 M742
Cattle.
- 59475 MATHAMS, R. H., and SUTHERLAND, A. K. Siliceous renal calculi in cattle. Austral. Vet. J. 27:68-69. Mar.1951. 41.8 Au72
- 59476 MAUBECIN, R. A. El nabillo o mostacilla: nueva especie tóxica para el ganado. Res 19:25814-25815. Mar.20,1951. 286.85 R31
Sisymbrium irio.
- 59477 MESSERVY, A. Observations on and treatment of clinical acetonaemia in cattle. In Hammond, J., Browne, F. J., and Wolstenholme, G. E. W., eds. Toxæmias of pregnancy, human and veterinary; a Ciba Foundation symposium, p.113-117. London, Churchill, 1950. 448 H186
- 59478 MICHELSEN, E., and JOHNSON, M. Toxic effect of foot-and-mouth disease immune cattle sera injected subcutaneously in guinea pigs. Acta Path. et Microbiol. Scand. 28:226-233. 1951. 448.3 Ac8
- 59479 MILNE, F. J. Diaphragmatic hernia in the cow. Amer. Vet. Med. Assoc. J. 118:374-376. June 1951. 41.8 Am3
- 59480 MOLNAR, A. Rundzellensarkom am oberschenkel einer kuh. Wien. Tierärztl. Monatsschr. 38:317-318. May 1951. 41.8 T345
- 59481 MÜLLER, E. Der gelbe galt bei milchkühen. Landwirtschaft 1951:101-102. Mar.1951. 19 L235
- 59482 NAKAMURA, J. Etudes récentes au Japon visant surtout la vaccination du bétail japonais contre la peste bovine. Off. Internatl. des Epiz. B. 35:195-205. Mar./Apr.1951. 41.8 Of2
- 59483 NICHOLSON, A. H. Gt. Britain 26 per cent attested; four Welsh counties ear-marked for T.B. eradication plan extension. Farmer & Stock-Breeder 65(3210):45. May 1,1951. 10 F228
- 59484 NOGGLER, K. Eine seltene indikation zur sectio bei einer kuh. Wien. Tierärztl. Monatsschr. 38:316-317. May 1951. 41.8 T345
- 59485 NYFFENEGGER, A. Beobachtungen auf der praxis über die patellaluxation. Schweiz. Arch. f. Tierheilk. 93:221-239. Apr.1951. 41.8 Sch9
English summary.
Includes discussion by A. Leuthold.
In cattle and horses.
- 59486 OLAFSON, P., and MCENTEE, K. The experimental production of hyperkeratosis (X-disease) by feeding a processed concentrate. Cornell Vet. 41:107-109. Apr.1951. 41.8 C81
Cattle.
- 59487 PARKER, J. B. Nomogram for evaluating mammary gland development in calves. U. S. Bur. Dairy Indus. BDIM-1019, rev., 1 p. Mar.1951. 1.9 D14Bd
- 59488 PARKER, M. Early bovine pregnancy. Vet. Med. 46:290. July 1951. 41.8 M69
Jersey heifer calved ten days before she was one year old.
- 59489 PLASTRIDGE, W. N., and others. The effect of vibriosis on breeding efficiency in cattle. Amer. Vet. Med. Assoc. J. 118:367-373. Ref. June 1951. 41.8 Am3
L. F. Williams, C. Chernak, and H. L. Easterbrooks, joint authors.
- 59490 POUNDEN, W. D., HIBBS, J. W., and COLE, C. R. Observations on the relation of diet to diarrhea in young dairy calves. Amer. Vet. Med. Assoc. J. 118:400-403. June 1951. 41.8 Am3
- 59491 PROULX, J. R. La vache laitière au temps de la mise-bas. Terre de Chez Nous 23(6):27. Apr.4,1951. 7 T27
- 59492 PUNTRIANO, G. Hormonal hypothesis of prepartum and postpartum acetonaemia in dairy cattle. I. Vet. Med. 46:215-218. June 1951. 41.8 M69
- 59493 RACKOW, H. G. Die antibiotika in der galt- und abortus-Bang-bekämpfung. Monatsh. f. Prakt. Tierheilk. 3:40-45. Ref. (Cont.) 1951. 41.8 M74
- 59494 RAMON, G. La lutte préventive contre la tuberculose. I. Immunité et allergie en matière de tuberculose. II. Cas particulier de la prophylaxie de la tuberculose bovine: vaccination et mesures sanitaires. Off. Internatl. des Epiz. B. 35:113-176. Mar./Apr.1951. 41.8 Of2
- 59495 ROBERTSON, A. Biochemical aspects of bovine parturient hypocalcaemia. In Hammond, J., Browne, F. J., and Wolstenholme, G. E. W., eds. Toxæmias of pregnancy, human and veterinary; a Ciba Foundation symposium, p.118-125. Ref. London, Churchill, 1950. 448 H186
- 59496 SACCO, P. Calf mortality a great misfortune for the peasants. (In Italian.) Mondo Agr. 2(1):5. Jan.7, 1951. 16 M74
- 59497 SCHAAF, J. Massenmilchuntersuchungen in den molkereien des Regierungsbezirks Arnberg mit der abortus-Bang-ringprobe (ABR) und ihre bedeutung für die milchhygiene und bekämpfung der seuche. Monatsh. f. Vetmed. 6:127-132. Ref. Apr.1,1951. 41.8 M742
- 59498 SCHNEIDER, B., and BÜRGER, A. L. Über das serologische verhalten des maul- und klauenseuche-hühnereivirus und seine verwendung in form der adsorbat-vakzine zur immunisierung von rindern. Monatsh. f. Prakt. Tierheilk. 3:35-40. 1951. 41.8 M74
- 59499 SCHNEIDER, F. L. Biological products used in cattle diseases. N. Mex. Stockman 16(5):53,56. May 1951. 49 N462
- 59500 SCHROCK, J. B. The little giants (trace minerals) vs Bang's disease. Popkess' Dairyman's J. 38:8, 14. Apr.1951. 44.8 D142
- 59501 SENZE, A. Advantages of an alcohol blockade in cattle. (In Polish.) Med. Weter. 7:121-122. Feb.1951. 41.8 M463
- 59502 SENZE, A. Nitrogen mustards and its therapeutic properties in the treatment of mastitis in cattle. (In Polish.) Med. Weter. 7:25-26. Jan.1951. 41.8 M463
- 59503 SENZE, A. Some notes on the article of J. Janiszewski "Notes on the treatment of mastitis in cattle." (In Polish.) Med. Weter. 7:40. Jan.1951. 41.8 M463
- 59504 SHIRLEY, R. L., DAVIS, G. K., and NELLER, J. R. Distribution of P32 in the tissues of a steer fed grass from land that received labeled fertilizer. J. Anim. Sci. 10:335-336. May 1951. 49 J82
- 59505 SMYTHE, R. H. Some observations on Johne's disease. Vet. Rec. 63:359-363. May 19,1951. 41.8 V641
Cattle.
- 59506 SNOOK, L. C. How to identify identical twins and why they are valuable in research. Queensland Prod. 32(28):24-25. Jan.10,1951. 23 Q35
Twin heifer calves.
- 59507 STODDARD, G. E., and others. A permanent rumen fistula cannula for cows and sheep. J. Anim. Sci. 10:417-423. May 1951. 49 J82
N. N. Allen, W. H. Hale, A. L. Pope, D. K. Sorensen, and W. R. Winchester, joint authors.
- 59508 STORMONT, C., OWEN, R. D., and IRWIN, M. R. The B and C systems of bovine blood groups. Genetics 36:134-161. Ref. Mar.1951. 44.8 G28
- 59509 SUTHERLAND, A. K. Warts in cattle. Queensland Agr. J. 72:119-120. Feb.1,1951. 23 Q33
- 59510 SWANSON, E. W., and HINTON, S. A. Residual milk from oxytocin injections throughout the lactation. J. Dairy Sci. 34:419-426. Ref. May 1951. 44.8 J822
- 59511 THARP, V. L., HEIDT, K. R., and WHITEUS, R. G. Correction of bovine dystocia by cesarean section and ovariectomy. Vet. Med. 46:289-290. July 1951. 41.8 M69
- 59512 TIBITANZL. Die rindertuberkulose. Landwirtschaft 1951:18-19,65-66,99-100. Jan-Mar.1951. 19 L235
- 59513 TRAUTWEIN. Die rindertuberkulose in Baden. Bauern Ztg. 4(12):7-8. Mar.22,1951. 18 B324
- 59514 TURNER, C. W. Anatomy of the udder. II-III. Guernsey Breeders' J. [Peterborough] 82:222-224,261-262, 418-419,435. May 16, June 6, 1951. 43.8 G93
- 59515 TURNER, F. N. Cure your own cattle. Ed. 2. Bridgwater Somerset, Eng., Farmer P., 1951. 60 p. 41 T852
- 59516 ULASEVICH, P. S. The course and methods of eradicating brucellosis of cattle in calf rearing by the sucking method. (In Russian.) Veterinariia 28:14-17. Jan.1951. 41.8 V6426
- 59517 VALADÃO, F. G. General observations on the chief epizootic diseases attacking cattle in the Colony of Mozambique. (In Portuguese.) Gaz. do Agr. 3:32-33. (Cont.). Feb.1951. 24 G25

59518 VARELA CALZADA. Diarreas en los terneros. *Rev. Ganad. [Habana]* 11(6):36-38. June 1951. 49 R321

59519 VILLENEUVE, P. La diarrhée blanche est une terrible ennemie des veaux. *B. des Agr.* 47(4):20. Apr. 1951. 7 B872

59520 WETZEL, R., and DITGENS, K. Mucoagglutination und trichomonadeninfektion beim rind. *Deut. Tierärztl. Wchnschr.* 58:145-146. May 15, 1951. 41.8 D482

59521 WIEMANN, J. Das seuchenhafte verkalben im regierungsbezirk Arnsberg. *Monatsh. f. Vetmed.* 6:132-139. Apr. 1, 1951. 41.8 M742

59522 WINTER, J. H. A [bovine] mastitis prophylaxis and treatment of seven years' satisfactory use. *Vet. Med.* 46:284-285. July 1951. 41.8 M69

59523 WITTER, J. F. Herd health. *Maine Milk Prod.* 10(6):1,3. Mar. 1951. 44.8 M28
Brucellosis control.

59524 WOELFFER, E. A. Early diagnosis of free-martin. *Vet. Med.* 46:259. July 1951. 41.8 M69

59525 WOELFFER, E. A. Pyelonephritis in dairy cattle. *Vet. Med.* 46:281. July 1951. 41.8 M69

59526 WOELFFER, E. A. Some problems of infertility in cattle. *Vet. Med.* 46:253-256. July 1951. 41.8 M69

59527 WOELFFER, E. A. Treating foot-rot in cattle. *Vet. Med.* 46:265,270. July 1951. 41.8 M69

Miscellaneous

59528 ANDERSEN, T. Yield figures of the control associations and annual yield of the larger farms 1949-50. (In Danish.) *Tolvmandsbladet* 23:104-110. Apr. 1951. 11 T58

59529 ANDERSON, J. J. Calf management and feeding. *New Eng. Homestead* 124(8):5,13. Apr. 28, 1951. 6 N442

59530 BARON, D. Milk records invading the show ring; Canadian show cattle make milk records. Why not have them recognized in the show ring, say breeders, to give winners more prestige abroad? *Farmer's Mag.* 48(2):11,53-54. Feb. 1951. 7 C165

59531 BENK, E. Zum nachweis von osmaron-B in melkfetten. *Milchwissenschaft* 6:155-157. May 1951. 44.8 M5933

English summary.

59532 BEVARD, G. E. Blue Ribbon Beef Growers. *West. Farm Life* 53(9):5,15. May 1, 1951. 6 R153
4-H Club projects, Idaho.

59533 BLISS, M. E. Twin calf research means \$\$\$ to stockmen. *Natl. Live Stock Prod.* 29(9):10. June 1951. 280.38 N21

59534 BÖHME, C. Leistung und fütterung einer dänischen milchviehherde. *Württemb. Wchnbl. f. Landwirt.* 118:420-421. May 26, 1951. 18 W96

59535 BONADONNA, T. The problems of raising dairy cattle. (In Italian.) *Mondo del Latte* 1951:87,89-90, 93,95-96,99-100,102. (To be cont.) Feb. 1951. 44.8 M74

59536 BOWLING, G. A. Flashback to London Dairy Show. Eliminate the milking trials! American breeder suggests changes in Bledisloe trophy contest. *Ayrshire Cattle Soc. J.* 23:26-29. Apr. 1951. 43.8 Ay74

59537 BROWER, D. W., JR. Clubsters find baby beef profitable. *South. Planter* 112(4):12,19. Apr. 1951. 6 So89

59538 CLEVELAND, N. A. Many FHA farmers go dairy route. *Ramblin' Around* 1951:8-9. Mar. 1951. 6 B463

59539 DODD, F. H. Some factors affecting the quantity of milk. *Roy. Sanit. Inst. J.* 71:259-267. May 1951. 449.9 R812

59540 DOMINGUES, O. How to select a good dairy cow. (In Portuguese.) *Selec. Agr.* 6(58):15-17. Feb. 1951. 9.2 Se4

59541 EISENREICH, L., and MENNICKE, U. F. Untersuchungen über den einfluss von melkmaschine, melkmethode und milchmenge auf die melkgeschwindigkeit beim maschinenmelken. *Milchwissenschaft* 6:190-195. June 1951. 44.8 M5933

English summary.

59542 FISCHER. Milch- und fettleistungen unserer herdbuchkühe. *Württemb. Wchnbl. f. Landwirt.* 118:384. May 12, 1951. 18 W96

59543 GIFFORD, W., BROWN, C. J., and RAY, M. L. A study of classification scores of Hereford cows. *J. Anim. Sci.* 10:378-385. May 1951. 49 J82

59544 GREGORY, W. H. Growing beef industry indicated by gains in number and quality. *South. Live-stock J.* 10(11):30,43. June 1951. 43.8 F66A
Alabama.

59545 GROSSMAN, J., and PREUSSLER, E. Milk control register of the A.C.H. (In Portuguese.) *Rio Grande do Sul. Dir. da Prod. Anim.* B. 5(9):41-48. Sept. 1950. 49.9 R47

Associação dos Criadores de Holandeses.

59546 HENNING, G. F., and EVANS, M. B. Purchasing feeder cattle, calves, sheep and lambs. *Ohio. Agr. Expt. Sta. Res. B.* 707,39 p. Ref. Apr. 1951. 100 Oh3S

59547 HOFER, M. Auf geradem weg zur leistungssteigerung! *Kärntner Bauer* 101:77,80. Feb. 15, 1951. 19 K14

Dairy cattle testing.

59548 HOFMANN, F., SCHOLZ, and KROMAYER. Systematische leistungsprüfungen und deren auswertung im betrieb als wichtige hilfsmittel zur leistungsverbesserung unserer rinderbestände. *Deut. Landwirt.* 2:226-229. May 1951. 18 D4822

59549 HOPSON, G. H. Healthy cows for economic quality milk production. *Calif. Dairyman* 31(9):20-22. June 2, 1951. 44.8 C12

Cattle care.

59550 JONES, R. B., and WRIGLEY, J. Some factors affecting the seasonality of milk production. *Scot. Dept. Agr. Scot. Agr. Econ.* 1:51-58. 1950. 281.9 Sco3S

59551 KARPOV, N. G., and MOROZOV, I. A. I. Rearing calves during the lactation period. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):33-38. Dec. 1950. 49 So71
59552 KÄSTLI, P., and BINZ, M. Versuche mit desinfizierenden melkfetten. *Schweiz. Milchztg.* 77:233-234. Apr. 27, 1951. 44.8 Sch92

59553 KNAPP, B., JR., and CLARK, R. T. Genetic and environmental correlations between weaning scores and subsequent gains in the feed lot with record of performance steers. *J. Anim. Sci.* 10:365-370. May 1951. 49 J82

59554 KNOPFF. Höchster milchfettertrag beim westfälisch-lippischen schwarzweissen tieflandrind im kontrolljahr 1950. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:696-697. May 10, 1951. 18 L2346

59555 KÖNIG, K. Erfolge in der zucht als ergebnis der milchleistungsprüfungen. *Allgäuer Bauernbl.* 19:110-111. Mar. 1, 1951. 18 AL53

59556 KYD, C. R. 4-H baby beef project. *Wash. State Col. Ext. B.* 448,26 p. Mar. 1951. 275.29 W27P

59557 LARUE, P. Sur la vache laitière en climat sec. *Prog. Agr. et Vitic.* 1951:284. May 20/27, 1951. 14 P94

59558 LOW, S. W. Use of teat salves in machine and hand milking. *New Zeal. J. Agr.* 82:229. Mar. 1951. 23 N48J

59559 LUCHOK, J. Dairy Day at West Virginia. *South. Planter* 112(6):7,15. June 1951. 6 So89

59560 MARSH, E. L., JR. Why not a World Jersey Cattle Federation? *Jersey B.* 70:712,768. May 25, 1951. 43.8 J48

59561 MAUNDER, J. C. J. Beef cattle production on some of the Gulf [of Carpentaria] watersheds. *Queensland Agr. J.* 72:45-60. (Cont.) Jan. 1, 1951. 23 Q33

59562 MOORE, M. Carnation "Madcap" cow smashes world's record. *New Eng. Homestead* 124(5):49. Mar. 10, 1951. 6 N442

59563 MUIRHEAD, F. G. Beef production outlook bright. *Shorthorn World* 36(6):11. May 25, 1951. 43.8 Sh8

59564 NEWELL, P. There's magic in management. *Prog. Farmer, Miss.-Ark.-La. Ed.* 66(6):19,90-91. June 1951. 6 So81

Year-round management of beef cattle.

59565 NYSTROM, A. B. Dairy cattle judging. *Austral. Junior Farmer* 3(4):39-52. Mar./Apr. 1951. 23 Au782

59566 OTTO, M. I. Leading milkmaid of Ordzhonikidze Collective Farm. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):39-41. Dec. 1950. 49 So71

T. M. Batrak's methods of increasing milk production of dairy cattle.

59567 PARK, R. D. Rearing for beef and dairy purposes. *Worcestershire Agr. Chron.* 19:89,91,93,95. Feb./May 1951. 10 W892

59568 PATERSON, J. A. Milk records. *Roy. Highland & Agr. Soc. Scot. Trans. (ser.5)* 62:104-118. 1950. 10 H536

59569 PEGG, S. E. Pure bred production recording: report for the year 1949-50. *Queensland Agr. J.* 72(1,sup.),52 p. Jan. 1951. 23 Q33

Production recording of pure-bred dairy cattle under the Pure Bred Production Recording Scheme.

59570 PEREZ CATAN, E. Perspectivas para el ganado vacuno en Tierra del Fuego. *Res* 19:25821-25822. Mar. 20, 1951. 286.85 R31

59571 PETUTSCHNIGG, H. Vom kärntner rinder-leistungsbuch. Kärntner Bauer 101:114-115. Mar.1,1951. 19 K14

59572 PIL'CHEVSKIĖ, A. I. Hero of Socialist Labor—milkmaid, Mariia Shian. (In Russian.) Sotsialist. Zhivotnovod. 12(12):81. Dec.1950. 49 So71

Her methods of increasing milk production of dairy cattle.

59573 ROWLAND, S. J. Some factors which influence milk compositional quality. Roy. Sanit. Inst. J. 71:255-258. May 1951. 449.9 R812

Discussion, p.263-267.

59574 SCOFFIN, S. A. At-a-glance herd chart gives all the answers. Dairy Farmer 24(6):15. June 1951. 44.8 D1414

59575 SILLCOCK, K. M. Dairy farm management—results of 1950 competition. Victoria. Dept. Agr. J. 49: 97-106,135-140. Mar.1951. 23 V66J

Dairy Farm Management Competition conducted by the Victorian Herd Improvement Association and the Department of Agriculture.

59576 STREETER, F. B. The national cattle trail. Cattleman 38:26-27,59-60,62,64,66-74. Ref. June 1951. 49 C29

Historical sketch.

59577 TAGLE, E. C. Bovinos de carne, su cría. Rev. Ganad. [Habana] 11(6):59-64. (Cont.) June 1951. 49 R321

Breeds; water supply.

59578 TIMMERMANS, J. Rearing of calves. (In Dutch.) Boer en Tuinder 5(220):13. Apr.7,1951. 12 B632

59579 U. S. BUR. OF DAIRY INDUSTRY. Partial list of books relating to dairy farming and herd management. U. S. Bur. Dairy Indus. BDI-Inf-19,rev.,3 p. Apr. 1951. 1.973 D4B34

59580 VASILETS, I. A. E., and GOLUSHKO, V. G. In regard to the cold method of raising calves. (In Russian.) Veterinariia 28:32-34. Jan.1951. 41.8 V6426

59581 VINE, R. Galatea, a great experiment; lucerne the basis of successful dairying. New Zeal. Farmer 72(2): 6-7. Mar.15,1951. 23 N484

59582 WEBER, J. Die arbeitskuh und die technisierung. Württemb. Wchnbl. f. Landwirt. 118:404-405. May 19,1951. 18 W96

59583 WHITE, H. F. Some notes on cattle branding. Past. Rev. 60:797-798. Aug.16,1950. 23 Au75

DOGS AND CATS

Breeds and Breeding

59584 ALLGEMEINER DEUTSCHER ROTTWEILER-KLUB. Zucht- und körbuch, v. 33, 1949. Schwäbisch Gmünd,1950. 128 p. 48.9 AL3

59585 BARNES, M. D. The stud dog and the brood bitch; mating and whelping. Dog World [Bradford] (n.s.) 34:434. Mar.23,1951. 48.8 D674

59586 CAT FANCIERS' ASSOCIATION. Stud book and foundation record of the Cat Fanciers' Association, Incorporated, v. 41/42. n.p.,1951. 174 p. 48.9 C282

59587 GLYN, R. H. Bull terriers and how to breed them. Ed. 6, enl. and rev. Oxford,Hall,1950. 116 p. 48 G52

59588 GOODMAN, R. The chaotic state of Cocker breeding. Cocker Spaniel Visitor 13(4):5-7. Apr.1951. 48.8 C64

59589 JONES, A. F. The breeds in brief. No. 110-111. Amer. Kennel Gaz. 68(5):35-36,352-355;(6):33-34,410-413. May-June 1951. 48.8 Am3

110. Bouvier des Flandres. 111. Komondor.

59590 SOCIÉTÉ ROYALE SAINT-HUBERT POUR L'AMÉLIORATION DES RACES CANINES EN BELGIQUE. Livre des origines de la Société Royale Saint-Hubert, 58. Bruxelles,Buggenhoudt,1951. 248 p. 48.9 S01

Issued jointly with the Union Cynologique Saint-Hubert.

59591 STETSON, J. Multiple purpose dogs; there is a breed specialist for each purpose, but what breed for mixed duties? Field & Stream 55(9):99-100. Jan.1951. 410 F45

59592 STETSON, J. The Setter challenge; what is the future of the English, Irish and Gordon in the face of competing breeds. Field & Stream 55(11):128-130. Mar.1951. 410 F45

Feeds and Feeding

59593 JUDY, W. What should a dog eat. Dog World [Chicago] 36(6):18,20. (Concl.) June 1951. 48.8 D672

Veterinary Medicine

59594 BAIRD, J. A., and ROBB, J. S. Study, reconstruction and gross dissection of the atrioventricular conducting system of the dog heart. Anat. Rec. 108:747-762. Ref. Dec.1950. 447.8 An1

59595 BARTLETT, L. M. A divided intrahepatic gallbladder in a cat. Anat. Rec. 109:715-721. Ref. Apr. 1951. 447.8 An1

59596 BERRINGER, H. J. Antivirus-präparat gegen hundestaube? Tierärztl. Umschau 6:159-163. May 1951. 41.8 T445

59597 BLY, H. J. Cutaneous emphysema in dog. No. Amer. Vet. 32:414. June 1951. 41.8 N812

59598 BROOKS, E. I. A preliminary report on the use of the Brooks paralysis carriage. Vet. Med. 46:241-242. June 1951. 41.8 M69

Device for assisting dogs with paralysis of hind legs.

59599 BUTLER, J. M., and GRUNDMANN, A. W. Fecal examination of 200 dogs from Salt Lake City, for intestinal helminths. Amer. Vet. Med. Assoc. J. 118:396-398. Ref. June 1951. 41.8 Am3

59600 CALERO M., C., ORTIZ O., P., and SOUZA, L. DE. Helminths in cats from Panama City and Balboa, C. Z. J. Parasitol. 37:326. June 1951. 448.8 J824

59601 CANDLIN, F. T. Terramycin in penicillin-resistant infections. No. Amer. Vet. 32:408-410. June 1951. 41.8 N812

Dogs.

59602 CARBALLO POU, M., and RODRÍGUEZ GONZÁLEZ, M. Echinococcus granulosus en los perros campesinos. Uruguay. Min. de Ganad. y Agr. B. Inform. 8(370):5. May 10,1951. 9.9 G15B

59603 CLEARY, T. U. The disease of distemper still remains a grave problem in dogs. (Sum.) Dog World [Chicago] 36(6):8. June 1951. 48.8 D672

59604 COHN, C., KATZ, B., and KOLINSKY, M. Renal gluconeogenesis in the intact dog. Amer. J. Physiol. 165:423-428. Ref. May 1,1951. 447.8 Am3

59605 COHRS, P. Die entmarkungs-enzephalitis (hard pad disease) des hundes. Deut. Tierärztl. Wchnschr. 58:129-134. Ref. May 1,1951. 41.8 D482

59606 COLE, N. Encore, virus infection in dogs. Wagging Tail 5(11):35. Apr.1951. 48.8 W12

59607 COMBEN, N. Observations on the mode of growth of the hair of the dog. Brit. Vet. J. 107:231-235. Ref. May 1951. 41.8 V643

59608 DIMMERLING, D. S., and CRONHEIM, G. The combined oral use of penicillin and sulfonamides in the treatment of infections in dogs. No. Amer. Vet. 32:404-407. Ref. June 1951. 41.8 N812

59609 DOGETT, T. H. The capillary system of the dog's spleen. Anat. Rec. 110:65-81. Ref. May 1951. 447.8 An1

59610 EVERETT, N. B., and JOHNSON, R. J. A physiological and anatomical study of the closure of the ductus arteriosus in the dog. Anat. Rec. 110:103-111. May 1951. 447.8 An1

59611 GAEBLER, O. H., BARTLETT, P. D., and SWEENEY, M. J. Remarkable effectiveness of small daily doses of growth hormone in dogs. Amer. J. Physiol. 165:486-490. Ref. May 1,1951. 447.8 Am3

59612 GALLI, A. A journey across the centuries with the dog. (In Italian.) Riv. di Zootec. 24:50-54. Feb. 1951. 49 R52

Evolution.

59613 GREENE, J. E. Surgical intervention for paraplegia due to herniation of the nucleus pulposus. No. Amer. Vet. 32:411-412. June 1951. 41.8 N812

Dogs.

59614 GREER, W. E. R., and KEEFER, C. S. Cat-scratch fever; a disease entity. New Eng. J. Med. 244: 545-548. Ref. Apr.12,1951. 448.8 N442

59615 HO, E. A., YUAN, I. C., and CHU, H. J. On canine leishmaniasis and human kala-azar in Peking and its adjacent villages. Chin. Med. J. 68:241-247. Ref. Sept./Oct.1950. 448.8 C44

59616 JOURDAN, R. H., and HILL, H. J. A case of canine metrorrhagia. Amer. Vet. Med. Assoc. J. 118: 377. June 1951. 41.8 Am3

59617 KAPLAN, A. D. Treatment of ear conditions in small animals. Vet. Med. 46:212-214. June 1951. 41.8 M69

Dogs and cats.

59618 KLAUSMAN, B. S. The use of a new chemotherapeutic agent [Koagmin] to arrest bleeding in animals. Vet. Med. 46:282-283,285. July 1951. 41.8 M69

Dogs.

59619 LASSERRE, R., and others. Embryo-cultures ultravirulentes à partir de tumeurs vénériennes du chien. Acad. des Sci. Compt. Rend. 232:1715-1716. Apr. 30, 1951. 505 P21

E. Puget, M. Vallée, and A. J. Borrel, joint authors.

59620 LEWY, J. Our dog had diabetes. Amer. Kennel Gaz. 68(6):14-15, 32. June 1951. 48.8 Am3

59621 MCCLELLAND, R. B. The need for research on virus diseases of pet animals. Cornell Vet. 41:209-211. Apr. 1951. 41.8 C81

Dogs and cats.

59622 MAGRANE, W. G. Tonometry in ophthalmology. Amer. Vet. 32:413-414. June 1951. 41.8 N812

Measurement of intraocular pressure in dogs.

59623 MAJILTON, E. A., and KELLEY, L. L. The blood and plasma bank. Vet. Med. 46:226-232. June 1951. 41.8 M69

Technique of blood collection and transfusion in dogs.

59624 MALHERBE, W. D., and PARKIN, B. S. Atypical symptomatology in Babesia canis infection. So. African Vet. Med. Assoc. J. 22:25-36. Ref. Mar. 1951. 41.8 So8

59625 MANSI, W. The isolation of a neurotropic virus from a dog suffering from the so-called nervous distemper. Brit. Vet. J. 107:214-229. May 1951. 41.8 V643

Inoculation into ferret.

59626 MELLO, M. J. Verminoses of the dog. (In Portuguese.) Biológico 17:4-13. (Cont.) Jan. 1951. 442.8 B529

Diseases due to nematodes: Diotophyme renale and Spirocerca sanguinolenta; diseases due to cestodes: Dipylidium caninum (transmitted by Ctenocephalides canis and Trichodectes canis), Taenia spp., and Echinococcus granulosus.

59627 PICKETT, D. Intravenous procaine hydrochloride for treatment of pruritus in dogs. Vet. Med. 46:271-274. July 1951. 41.8 M69

59628 REAGAN, R. L., and BRUECKNER, A. L. Morphological studies by electron microscopy of the canine distemper virus. Cornell Vet. 41:141-144. Apr. 1951. 41.8 C81

59629 REED, C. A. Pericardio-peritoneal herniae in mammals, with description of a case in the domestic cat. Anat. Rec. 110:113-119. Ref. May 1951. 447.8 An1

59630 SALERNO, G. Palpebral basocellular epitheliomas with a sebaceous evolution in the dog. (In Italian.) Arch. Vet. Ital. 1:97-400. Ref. Dec. 31, 1950. 41.8 Ar25

English summary.

59631 SORIA, G. E. Sarna; causas predisponentes - causa determinante - síntomas y lesiones - diagnóstico - tratamiento. Rev. Ganad. [Habana] 11(6):43-44. June 1951. 49 R321

Dogs.

59632 STEFANIAK, W. A case of acropachy in a dog. (In Polish.) Med. Weter. 7:29-31. Jan. 1951. 41.8 M463

59633 SZUPERSKI, T. A rare case of rhabdomyoma in the heart muscle of a dog. (In Polish.) Med. Weter. 7:120-121. Feb. 1951. 41.8 M463

59634 THIERY, J. P. Projet de contrôle des vaccins et sérums employés contre la maladie de Carré (maladie du jeune âge du chien). Off. Internat. des Epiz. B. 35:179-183. Mar./Apr. 1951. 41.8 Of2

59635 TYSZKIEWICZ, M., and ZAWIELEW, J. A case of epilepsy in a dog and a cat following trauma, which resulted in no detectable organic lesions of the brain. (In Polish.) Med. Weter. 7:26-28. Jan. 1951. 41.8 M463

English summary.

59636 YUTUC, L. M. The occurrence of Gnathosoma spinigerum (Nematoda) in a 33-day old pup. J. Parasitol. 37:329. June 1951. 448.8 J824

Miscellaneous

59637 ALMSTEDT, R. How to get publicity at low cost; if your show can't afford a press agent, here's the answer. Amer. Kennel Gaz. 68(6):26-27, 406-407. June 1951. 48.8 Am3

59638 BELL, R. C. Poultry dogs; training a pup to handle your chickens or turkeys saves the cost of a hired hand. Country Gent. 61(6):23, 68. June 1951. 6 C833

59639 BROWN, C. H. Why leave your dog at home? He can be a good vacation companion at no extra cost. Amer. Kennel Gaz. 68(6):16-18, 407-408. June 1951. 48.8 Am3

59640 FARIA, R. DE. Training of hunting dogs. (In Portuguese.) Fauna [São Paulo] 10(2):48-49. Feb. 1951. 410 F272

59641 GHIDINI, L., ed. Nuovo manuale del cacciatore [New hunter's manual]. Ed. 13. Milano, Hoepli, 1950. 649 p. 412.6 G34

Includes hunting dogs.

59642 HORSWELL, L. A. Show competition in 20 breeds; third of six parts; show dogs and champions compared with registrations. Amer. Kennel Gaz. 68(6):19-25, 136. June 1951. 48.8 Am3

59643 JUDY, W. The K-9 Beau Brummel & Senorita K-9 Brummel in the show ring. Dog World [Chicago] 36(6):24-25. June 1951. 48.8 D672

Grooming dogs for show.

59644 LAMOND, H. G. Cattle dogs. Past. Rev. 61:261-262. Mar. 16, 1951. 23 Au75

59645 LEWIS, A. M. Handling the Spaniel in field trials. Wagging Tail 5(11):8-9. Apr. 1951. 48.8 W12

59646 MÉREY, L. VON. Der hund nach dem schuss; seine naturnotwendige jugendvorbereitung für eine erfolgreiche abrichtung und führung auf der natürlichen schweissfährte und wundspur. Ed. 2. München, Mayer, 1950. 151 p. 48 M54

59647 MONTEIRO, M. Practical suggestions on the proper raising of dogs. (In Portuguese.) Fauna [São Paulo] 10(2):15-18. Feb. 1951. 410 F272

59648 MOUTTE, P. Des chiens timides, des fous, etc.—. Réveil Agr. 60:25-26. Jan. 15, 1951. 14 R322

59649 MOUTTE, P. Les vrais chiens courants. Réveil Agr. 60:89. Mar. 15, 1951. 14 R322

59650 MÜLLER, E. Der hofhund. Landwirtschaft 1951:102-103. Mar. 1951. 19 L235

Care.

59651 RUTTKAY, V. Is a new type dog show evolving? Amer. Kennel Gaz. 68(6):11-13, 408-410. June 1951. 48.8 Am3

59652 TRON, E. Il cane, canis familiaris, riproduzione, allevamento, utilizzazione, cinofilia [The dog, Canis familiaris; reproduction, breeding, use, care]. Ed. 2, with appendix. Milano, Hoepli, 1950. 444 p. 48 T75

59653 VORWEY, G. J. Mijn jonge hond; keuze, verzorging, opvoeding [My young dog; selection, care, feeding]. Amsterdam, Strenght, 1951. 148 p. (De Papieren Kennels, deel 7) 48 V613

FUR ANIMALS - PEN RAISED

Breeds and Breeding

59654 MAYER, G. H. Types of mink worth raising. Pelletieries du Québec 16(5/6):12-13. May/June 1951. 412.628 P36

Feeds and Feeding

59655 BOWNESS, E. R. Mink feeding and housing. Natl. Fur News 23(3):14, 20-21; (4):11. (Cont.) Apr.-May 1951. 412.628 R59

59656 BURNETT, S. E. Chinchilla nutrition. Auburn Vet. 7:116-117. Spring 1951. 41.8 Au1

Veterinary Medicine

59657 KENNAMER, E. F., and FINCHER, C. Fox rabies in Alabama. I-II. Auburn Vet. 7:124-126. Spring 1951. 41.8 Au1

I, Rabid fox control campaigns, by E. F. Kennamer; II, Rabies in a bull, by C. Fincher.

59658 UGORSKI, L. On the role of the veterinary surgeon in the breeding of silver foxes. (In Polish.) Med. Weter. 7:41. Jan. 1951. 41.8 M463

Miscellaneous

59659 BERRY, G. W. Mink farming in 1951. Fur-Fish-Game 46(4):46-47. Apr. 1951. 410 F962

59660 GUNN, C. K. A message for Canadian mink ranchers. Pelletieries du Québec 16(3):9. Mar. 1951. 412.628 P36

Industry.

59661 HUGHES, A. Regular habits, the first step to successful ranching. Natl. Chinchilla Breeder 7(3):8-9, 24-25, 27. May 1951. 412.628 N21

59662 LADUE, H. J. B for the chinchilla industry. Natl. Chinchilla Breeder 7(4):7, 17-20. June 1951. 412.628 N21

59663 NATIONAL CHINCHILLA BREEDERS OF AMERICA. EASTERN BR. Statistical report; an analysis of housing, equipment and ranch procedures throughout the nation. Natl. Chinchilla Breeder 7(4):14-15. June 1951. 412.628 N21

59664 SCHULTZ, W. E. America's only stone marten farm. Natl. Fur News 23(4):8, 21. May 1951. 412.628 R59

HORSES AND MULES

Breeds and Breeding

- 59665 AMERICAN SADDLE-HORSE BREEDERS ASSOCIATION. The register of the American Saddle-Horse Breeders Association, incorporated, v. 31. Louisville, Fetter, 1951. 455 p. 42.9 Am3
- 59666 BAUMANN, J. Über die konkreten gegebenheiten in unserer pferdezucht, die sich stellenden bedürfnisse und probleme und die daher zu befolgenden zuchtmethoden. Schweiz. Ver. f. Tierzucht. Schr. 14:32-39. 1951. 49.9 Sch92
- 59667 BERTL, H. Der stand und die entwicklung der n.-ö. pferdezucht. Landwirtschaft 1951:20-21. Jan. 1951. 19 L235
- 59668 BOUE, A. Le cheval de l'Oued Guir (petit barbe oranais). Rev. d'Elevage et de Méd. Vét. des Pays Trop. (n.s.) 4:61-65. Apr./June 1950. 41.8 R3262
- 59669 CASTLE, W. E., and KING, F. L. New evidence on the genetics of the Palomino horse. J. Hered. 42:61-64. Mar./Apr. 1951. 442.8 Am3
- 59670 CHIEFFI, A. How to improve our horses. (In Portuguese.) Seleg. Agr. 6(59):53-54. Mar. 1951. 9.2 Se4 Breeding in Brazil.
- 59671 CONN, G. H. The Arabian horse in the United States. Rider & Driver 103(8):10-11, 28. Apr./May 1951. 42.8 R43
- 59672 DEED, N. New Forest ponies; exhibits at the Lyndhurst Show demonstrate the development of an ancient breed. Field 197:636. Apr. 28, 1951. 10 F45
- 59673 FETHERS, G. Rearing a Thoroughbred. Past. Rev. 61:139, 141. Feb. 16, 1951. 23 Au75
- 59674 FULLAGAR, H. R. What about the Quarter Horse for pleasure? West. Livestock J. 29(32):146-147, 149, 167. May 15, 1951. 6 F2278
- 59675 GAY, C. W. Your stock farm Saddle mare. Breeder's Gaz. 116(6):5. June 1951. 49 B74
- 59676 HUISMAN, T. H. Observation on the draft horse stallion inspection. (In Dutch.) Nieuwe Veldbode 17:335-336. Feb. 15, 1951. 12 V542N
- 59677 KASHTANOV, L. V. Plemennoe delo v konevodstve [Pedigree work in horse breeding]. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 391 p. 42 K15
- 59678 KOCH, W. Die behandlung der hypersexualität des hengstes mit oestrogenen hormonen. Deut. Tierärztl. Wchnschr. 58:146-147. May 15, 1951. 41.8 D482
- 59679 LÓPEZ PELLON, N. Autobiografía del caballo Criollo. Rev. Ganad. [Habana] 11(5):27-28. May 1951. 49 R321
- 59680 LOW, F. E. Horses to ride. I-II. Natl. Horseman 87(5):14-15; (6):12-13, 88. May-June 1951. 42.8 N21 Arabian, American Saddle Horse, Thoroughbred, and Morgan; Palomino, Appaloosa, Quarter Horse, Mustang, and Western Stock Horse.
- 59681 LOWE, Körung und prämiierung der kaltblut-hengste 1950. Hannoversche Land- u. Forstwirt. Ztg. 103:968-969. Oct. 28, 1950. 18 H194
- 59682 LÖWE, H. Die deutschen pferderassen in ihrer bedeutung für wirtschaft und sport. Tierzüchter 3:243-246. May 5, 1951. 49 T445
- 59683 PEDERSEN, A. Glimpses from Norway. (In Norwegian.) Dansk Husdyravl 11(2):6-9. Jan. 22, 1951. 49 P23 Horse breeds in Norway.
- 59684 PHELPS, F. T. Great foundation sires of the American Thoroughbred. III. *Medley, *Shark and *Messenger. West. Horseman 16(7):17, 32-37. July 1951. 42.8 W522
- 59685 REGISTRO-MATRICULATA de caballos y yeguas de las razas Pura Sangre Inglés, Árabe y Anglo-Árabe nacidos o importados en España (stud-book), v. 28, 1948-1949. Madrid, 1950. 311 p. 42.9 Sp1
- 59686 SCHULZE-DIECKHOFF. Die pony- und klein-pferdezucht in Westfalen. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:736-737. May 17, 1951. 18 L2346
- 59687 SOCIÉTÉ ROYALE LE CHEVAL DE TRAIT BELGE. Stud-book des chevaux de trait Belges, v. 53, 1949. Bruxelles, Monnom, 1950. 892 p. 42.9 B415
- 59688 SUREN, B. Süddeutsches kaltblut in Schwaiganger. Tierzüchter 3:160-161. Mar. 20, 1951. 49 T445

Feeds and Feeding

- 59690 AMATO, C. Local sulfamide therapy in the treatment of traumatic purulent arthrosynovitis. (In Italian.) Prog. Vet. 6:240, 242, 244, 246. Apr. 15, 1951. 41.8 P942 In horses.
- 59691 BASCH, H. Der orthopädische beschlag bei der hufehe und beim rehhuf. Tierärztl. Umschau 6:155-157. May 1951. 41.8 T445
- 59692 BEHRENS, H. Zählung der thrombozyten beim pferd mit hilfe der methode nach Neumann und Monreal. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:75-76. Apr. 1951. 41.8 B45
- 59693 BELAVAL, H. De l'injection intra-cæcale d'huiles médicamenteuses dans certains cas de coliques, chez le cheval. Rev. de Méd. Vét. [Toulouse] 102:44-46. Jan. 1951. 41.8 R32
- 59694 BOSSLER, H. Ein neues fohlenlähmeserum. Tierärztl. Umschau 6:163-164. May 1951. 41.8 T445
- 59695 BRONISŁAWSKI, S. A case of paralysis of the penis in a horse. (In Polish.) Med. Weter. 7:127-128. Feb. 1951. 41.8 M463
- 59696 BRUNINI, J. The muscular energy of horses. (In Portuguese.) Seleg. Agr. 6(58):23-26. Feb. 1951. 9.2 Se4
- 59697 BUTYRINA, P. S., and FISENKO, I. A. Treatment of diarrhea in young animals [foals and calves] with "sultsimid" (S-100). (In Russian.) Veterinarija 28:45-46. Jan. 1951. 41.8 V6426 Sulfamide preparation.
- 59698 CALLEAR, J. F. F. Treatment of tropical ulcers in equines with yeast. Vet. Rec. 63:377-378. May 26, 1951. 41.8 V641 Horses, mules, and asses.
- 59699 CILLI, V. Biological aspects of some ultraviruses in relation to their use as vaccines in veterinary medicine. (In Italian.) Zooprofilassi 6:67-68, 70-72, 74-76, 78-80. (Cont.) Feb. 1951. 41.8 272 African horse sickness and canine distemper.
- 59700 CONNER, G. H., and BEMIS, C. M. Successful enterotomy in a young filly. No. Amer. Vet. 32:398-399. June 1951. 41.8 N812
- 59701 CORDY, D. R., and EASTLICK, M. G. A report of Echinococcus granulosus in a horse in the State of Washington. J. Parasitol. 37:318. June 1951. 448.8 J824
- 59702 DOROFEEV, A. A. To the 60th anniversary of mallein discovery. (In Russian.) Veterinarija 28:58-59. Jan. 1951. 41.8 V6426 Chiefly on its use in diagnosis of glanders in horse.
- 59703 EKLUND, C. M., BELL, J. F., and BRENNAN, J. M. Antibody survey following an outbreak of human and equine disease in the Dominican Republic, caused by the eastern strain of equine encephalomyelitis virus. Amer. J. Trop. Med. 31:312-328. Ref. May 1951. 448.8 Am33
- 59704 FETHERS, G. Worms in yearlings. Past. Rev. 61:262-263. Mar. 16, 1951. 23 Au75
- 59705 JURADO, F. R. El aborto infeccioso en el ganado equino. Rev. Ganad. [Habana] 11(5):31-33. May 1951. 49 R321 Due to Salmonella abortus equina.
- 59706 KOCH, P., and FISCHER, H. Die Oldenburger fohlenataxie als erbkrankheit. Tierärztl. Umschau 6:158-159. May 1951. 41.8 T445
- 59707 KRANEVELD, F. C., and DJAENOEDIN, R. Some orientation tests with mimosine as a cause for loss of hair in horses. (In Dutch.) Hemera Zoa 57:624-639. Oct. 1950. 41.8 V51 English summary. Mimosine is derived from foliage and pods of Leucaena glauca.
- 59708 KUNDE, B. Blutwürmer und ihre bekämpfung. Hannoversche Land- u. Forstwirt. Ztg. 103:941. Oct. 21, 1950. 18 H194 In horses.
- 59709 LEHNERT, E. Zur frage der bedeutung im blut normal vorkommender autoisohämagglutinine für die blutkörperzerstörung bei gewissen pathologischen prozessen; untersuchungen über die intermittierende hämoglobinämie (-urie) des pferdes. Monatsh. f. Prakt. Tierheilk. 3:1-34. Ref. 1951. 41.8 M74
- 59710 LUQUE, J. M. S. Consideraciones sobre el diagnóstico y tratamiento de las enfermedades de las vías respiratorias en los équidos. II. Veterinaria 15:367-375. May 1951. 41.8 V6429

59711 MCGEE, W. R. The foaling mare—continued. Uterine hemorrhages: causes and symptoms—exercise for mares and foals—heat periods—irregular breeders—some unusual cases. Blood-Horse 61:912-913, 926. May 19, 1951. 42.8 T392

59712 MIGLIAVACCA, L. Association of aspecific protein therapy with electrocoagulation in the treatment of foot canker and chronic verrucose dermatitis in horses. (In Italian.) Prog. Vet. 6:218-220. Apr. 1, 1951. 41.8 P942

59713 PANSINI, A. New studies on the vegetative innervation of the seminal vesicles of the horse. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:552-554. Apr. 1950. 442.8 So12

59714 PFEFFER, H., and BERTL, H. Was ist beim abfohlen zu beachten? Landwirtschaft 1951:137-138. Apr. 1951. 19 L235

59715 PIENIAŻEK, J. The castration of horses under chloralium hydratum anaesthetics. (In Polish.) Med. Weter. 7:39-40. Jan. 1951. 41.8 M463

59716 RADOMSKI, W. Infectious anaemia of horses in Czechoslovakia. (In Polish.) Med. Weter. 7:115-117. Feb. 1951. 41.8 M463

59717 SAID, M. F. Rheumatism of the shoulder: a study of a case in a horse. Brit. Vet. J. 107:229-230. May 1951. 41.8 V643

59718 SALOW, H. Ergebnisse verschiedener untersuchungsmethoden in einem bestand mit ansteckender blutarmut. Monatsh. f. Vetmed. 6:109-113. Ref. Mar. 15, 1951. 41.8 M742

59719 SCHERMER, J. Ein beitrag zur technik der bluttransfusion bei grossen haustieren. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:65-67. Ref. Apr. 1951. 41.8 B45

Horses.
59720 SIEKA, S. The treatment of scabies and dourine. (In Polish.) Med. Weter. 7:43. Jan. 1951. 41.8 M463

59721 STECK, W. Grundriss der inneren krankheiten des pferdes; klinische diagnostik und kurzgefasste übersicht. Basel, 1951. 166 p. (Reinhardt's Veterinar-mezizin Grundrisse) 41 St37G

59722 TYMNIAC, M. A case of seminoma in a stallion. (In Polish.) Med. Weter. 7:38. Jan. 1951. 41.8 M463

59723 VAITSMAN, J. Gasterophilosis of horses. (In Portuguese.) Seleç. Agr. 6(58):49-50. Feb. 1951. 9.2 Se4

59724 WAGENER, K., and MITSCHERLICH, E. Die erregerwirkung von Salmonella (Bacterium) abortus equi beim pferd. Monatsh. f. Vetmed. 6:141-144. Ref. Apr. 1, 1951. 41.8 M742

59725 WIRSTAD, H. F. Tympanitis in the guttural pouch in foals. (In Norwegian.) Nord. Vetmed. 3:87-101. Ref. Feb. 1951. 41.8 N813

English summary.

Miscellaneous

59726 ALTGAYER, M. Als "kiebitz" beim Waren-dorfer Turnier. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:663-664. May 3, 1951. 18 L2346

Horse showing.

59727 CAMPBELL, A. Horsemen and horses of to-day. Past. Rev. 60:801-802. Aug. 16, 1950. 23 Au75

59728 CARSON, B. L. Equine art on the postage stamp. VII-VIII. Natl. Horseman 87(5):28;(6):22. May-June 1951. 42.8 N21

59729 FANTAZ, A. I. To raise horses in each [forestry] enterprise. (In Russian.) Lesn. Khoz. 3(10):82-83. Oct. 1950. 99.8 L5622

59730 GARCÍA DE LA CONCHA, J. Los équidos españoles en la América del Sur. V. Perú. Ganadería [Madrid] 9:66-68. Feb. 1951. 49 G15

59731 KŁOCZOWSKI, J. On the proper nomenclature. (In Polish.) Med. Weter. 7:133-134. Feb. 1951. 41.8 M463

Naming horses.

59732 MEISSNER, R. Die ländlichen reit- und fahr-vereine. Hannoversche Land- u. Forstwirt. Ztg. 103:1163. Dec. 23, 1950. 18 H194

59733 PABST. Leistungsprüfungen hannoverscher warm- und kaltbluthengste. Hannoversche Land- u. Forstwirt. Ztg. 103:988-989. Nov. 4, 1950. 18 H194

59734 PABST. Zugleistungsrekord in Osterode. Hannoversche Land- u. Forstwirt. Ztg. 103:1012-1013. Nov. 11, 1950. 18 H194

59735 RADAS. Le Concours Général Agricole: espèces chevaline et ovine. Acad. d'Agr. de France. Compt. Rend. 37:212-213. 1951. 14 P215Bc

59736 RAU, G. Der deutsche reit- und fahrsport innerhalb des gesamten pferdeleistungs-prüfungswesen. Tierzüchter 3:250-252. May 5, 1951. 49 T445

59737 RAU, G. Die pferde-leistungsschau in der Europa-Halle Hannover. Hannoversche Land- u. Forst-wirt. Ztg. 104:153-154, 178. (Concl.) Feb. 17-24, 1951. 18 H194

59738 REAMES, W. Reined horses versus cutting horses. West. Horseman 16(7):16, 37-40. July 1951. 42.8 W522

59739 TESTON, A. Horse raising of Dr. Baroni in Polesine. (In Italian.) Agr. del Polesine 3:1-2. Jan. 1950. 16 Ag8222

59740 WARBURG, H. W. VON. Internationale erfolge deutscher reit- und springpferde. Tierzüchter 3:246-250. May 5, 1951. 49 T445

POULTRY

Breeds and Breeding

59741 AMSDEN, J. Selecting the right genes. Mod. Poultry Keeping 64:367. Apr. 4, 1951. 47.8 Eg3

59742 ASMUNDSON, V. S., and LERNER, I. M. Breeding chickens for meat production. Calif. Agr. Expt. Sta. B. 675, rev. 39 p. Ref. Jan. 1951. 100 C12S

59743 ASMUNDSON, V. S. New cooperative breeding research results are good. Turkey World 26(6):26, 45-46. June 1951. 47.38 T84

Work at agricultural experiment stations in Western States.

59744 BARLEY, H. D. New blood is wanted; some new facts about outcross breeding practices. Poultry World 88:414. May 3, 1951. 47.8 P8682

59745 BARLEY, H. D. Red, white and blue layers. Poultry World 88:515. May 31, 1951. 47.8 P8682

On breed standards.
59746 BAUMANN, H. Leichtes oder schweres Rhode Island? Geflügelhof 14:216-217. Mar. 30, 1951. 47.8 G276

59747 BLACKWELL, H. L. Austerity plan for stock improvers. Mod. Poultry Keeping 64:338-339. Mar. 28, 1951. 47.8 Eg3

Industry in Great Britain.
59748 BLANCKE, B. Geflügelzucht; ein lehrbuch neuzeitlicher betriebsweisen der gesamten geflügelzucht. Ed. 18, rev. by K. Mantel. Mit einem teil: rassenkunde, edited by W. Münster. Stuttgart, Pfennigstorf, 1950. 207 p. 47 B59Ge

59749 BREED standards must be revised. Poultry World 88:490-492. May 24, 1951. 47.8 P8682

Views of prominent breeders of Great Britain.

59750 BURTON, F. Fast-feathering New Hampshires. Poultry World 88:513-514. May 31, 1951. 47.8 P8682

59751 BURTON, F. Where the Blue North Holland reigns supreme. Poultry World 88:437. May 10, 1951. 47.8 P8682

59752 COLES, J. D. W. A. Lecture on the breeding of fowls. So. African Vet. Med. Assoc. J. 22:3-22. Mar. 1951. 41.8 So8

Care, record keeping, culling, etc.
59753 COLES, R. The pures or the hybrids? Mod. Poultry Keeping 64:422-423, 442. Apr. 18-25, 1951. 47.8 Eg3

59754 EICHLER, F. Rassen und schläge bei gänsen und enten. Landfrauenarbeit 1951:35-36. Feb. 3, 1951. 18 L2347

59755 FOISY, L. Les trois armes de l'aviculture. Avicult. Québécois 6(5):17-18. May 1951. 47.8 Av55

Heredity, feeding, and management.
59756 GAMERO, A. M. La inseminación artificial en las gallináceas. La Plata. U. Nac. Facul. de Agron. Cátedra de Indus. de la Granja. B. 1, 39 p. Sept. 1950. 281.9 L313

59757 GONZALEZ SILVA, E. J. Las gallinas Leg-horn. Chacra 21(246):38-39, 65. May 1951. 9 C34

59758 GORDON, R. F. A.I. saves poultry progeny trials. Farmer & Stock-Breeder 65(3211):81-82. May 8, 1951. 10 F228

59759 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Poultry Stock Improvement Plan: accredited poultry breeding stations and hatcheries, 1951, County of Berkshire. Reading, 1951. 13 p. 47.9 G79A

59760 HALE, M. Leghorns give light to deep litter. Poultry World 88:337. Apr. 12, 1951. 47.8 P8682

59761 HAWKEY, K. Bring on the near-favourite breeds; Rocks, Barred and Buff, with Australorps, are suggested. Poultry World 88:514. May 31, 1951. 47.8 P8682

- 59762 HAWKEY, K. We want a new breed. *Poultry World* 88:462. May 17, 1951. 47.8 P8682
- 59763 HAYS, F. A. Is fertility in domestic fowl regulated by inheritance. *Poultry Farmer* [Sydney] 18(35):12, 14-16. Mar. 3, 1951. 280.28 Or32
- 59764 HERTEL, J. Best breed of chickens; interesting information based on reports from recent California egg laying contests indicates that heavies bred to lay are profitable producers. *Coop. Poultryman* 16(6):22-23. June 1951. 47.8 C782
- 59765 HUTCHINGS, R. S. Breeding to reduce broodiness. *Poultry* [London] 108:348. May 1, 1951. 47.8 P869
- 59766 HUTCHINGS, R. S. Coloured birds from white mating. *Poultry Farmer* [London] 124(3215):15. Mar. 16, 1951. 47.8 F312
- 59767 JENNINGS, J. Which costs less per egg? Heavy or light [breed]? *Mod. Poultry Keeping* 64:532. May 16, 1951. 47.8 Eg3
- 59768 JONAS, G. Sinn und zweck der anerkannten herdbuch- und vermehrungszuchten für geflügel. *Bad. Landwirt. Wchnbl.* 118:220-221. Apr. 7, 1951. 18 B142
- 59769 KLEIN, G. T. Leghorn White interesting character; what is the future of the dominant white males in broiler chick production? *New Eng. Homestead* 124(5):51, 53. Mar. 10, 1951. 6 N442
- 59770 KNOWLES, T. E. Systems of breeding. *Poultry Field* 4(2):19-21. June 7, 1951. 47.8 P8655
- 59771 KUSHNER, KH F., and KITAEVA, O. N. Effect of intensive feeding of hens during the breeding season on the growth and productivity of offspring. (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 17:184-191. Ref. 1950. 442.9 P44
- Experiments with White Leghorns.
- 59772 KUSHNER, KH. F. Experiment in inter-breed crossings in poultry breeding. (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 18:147-166. Ref. 1950. 442.9 P44
- 59773 KUSHNER, KH. F., and KITAEVA, O. N. In regard to rationalization of poultry breeding for egg size. (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 18:179-184. 1950. 442.9 P44
- 59774 KUSHNER, KH. F., and KOREPANOVA, G. I. A. Nature of relationship between body weight, egg production and egg weight in [White] Leghorn hens. (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 17:169-183. Ref. 1950. 442.9 P44
- Genetics.
- 59775 LEIGH-LYE, H. The Archangel pigeon. *Bird World* 8:74-76. Feb. 1951. 413.8 B533
- From Pigeons and Bantams.
- 59776 LEONARD, T. Is there a breed of the future? 5-7, 9. *Poultry Farmer* [London] 124(3209):16;(3210):16;(3211):16;(3216):14. Feb. 9-23, Mar. 23, 1951. 47.8 F312
- 59777 MARCELLIN, R. La poule de Marans. France. *Min. de l'Agr. B. Tech. d'Inform.* 1951:209-222. Mar. 1951. 14 F844B
- 59778 MOORE, A. C. Floods have not affected our fertility—but folds have. *Poultry* [London] 108:288. Apr. 10, 1951. 47.8 P869
- 59779 NOFTZGER, S. A. The origination of Partridge Plymouth Rocks. *Amer. Poultryman* 14(3):10-11;(4):10. May/June-July/Aug. 1951. 47.8 So86
- 59780 POMERANTSEVA, M. D., and KUSHNER, KH. F. Development, growth and productivity of hens in related and non-related breeding. (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 18:167-178. Ref. 1950. 442.9 P44
- 59781 ROSENBERG, M. M., and TANAKA, T. Performance of imported strains of New Hampshires under Hawaiian conditions. *Hawaii. Agr. Expt. Sta. B.* 104, 18 p. Ref. Mar. 1951. 100 H313
- 59782 SHAW, J. What's wrong with pullet breeding? *Poultry World* 88:313. Apr. 5, 1951. 47.8 P8682
- 59783 VEITSMAN, L. N. Local breed of geese in Chuvash ASSR. (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 17:243-252. Ref. 1950. 442.9 P44
- 59784 WHITTLE, T. E. Hatching to pedigree. 1-7. *Poultry World* 88:242, 264, 291, 314-315, 336, 364, 390. Mar. 15-Apr. 26, 1951. 47.8 P8682
- Feeds and Feeding**
- 59785 ADAMS, H. Growing special crops for poultry. 3-5. *Poultry* [London] 108:372, 411, 451. May 8, 22, June 5, 1951. 47.8 P869
- 59786 BERG, L. R. Antibiotics in feeds for broilers. *Feedstuffs* 23(20):31-33. May 19, 1951. 286.81 F322
- 59787 BURTON, F. Cafeteria or fixed trough feeding? *Poultry World* 88:363-364. Apr. 19, 1951. 47.8 P8682
- 59788 BUTTNER, E. E. Pigeon feeding experiments. *So. African Poultry, Pigeon & Bird Mag.* 78(468):26, 25;(471):26, 28;(472):26. (Cont.) Jan., Apr.-May, 1951. 47.8 So83
- 59789 COLES, R. Save them all; don't kill the cockerels. *Farmers Wk.* [London] 34(21):71. May 25, 1951. 10 F2226
- Feeding formula.
- 59790 COUCH, J. R. Cottonseed meal as a source of protein for growing chicks. (Abs.) *Cottonseed Nutr. & Processors Conf. Proc.* 1950:31-32. 1951? 1.9321 S2P943
- 59791 DAVIS, R. L., and others. Detrimental effect of corn of coarse particle size in rations for chicks. *Poultry Sci.* 30:325-328. May 1951. 47.8 Am33P
- E. G. Hill, H. J. Sloan, and G. M. Briggs, joint authors.
- 59792 DRIGGERS, J. C., DAVIS, G. K., and MEHRHOE, N. R. Toxic factor in citrus seed meal; extraction, chick feeding trials and chemical characteristics. *Fla. Agr. Expt. Sta. B.* 476, 36 p. Ref. May 1951. 100 F66S
- 59793 GILLIS, M. B., NORRIS, L. C., and HEUSER, G. F. The influence of particle size on the utilization of phosphates by the chick. *Poultry Sci.* 30:396-398. May 1951. 47.8 Am33P
- 59794 GROSS, M. Feeding the coop-walked cock. *Grit & Steel* 53(2):14-15. June 1951. 47.8 G88
- 59795 HEUSER, G. F., and NORRIS, L. C. An unknown nutritive factor in feeds of animal origin. *Poultry Sci.* 30:470-471. May 1951. 47.8 Am33P
- Proteins.
- 59796 HEYWANG, B. W. The effect of gossypol on egg hatchability, weight and egg color. (Abs.) *Cottonseed Nutr. & Processors Conf. Proc.* 1950:27-28. 1951? 1.9321 S2P943
- Includes discussion.
- 59797 HICKINBOTHAM, D. P. The effect of feeding on the quality of poultry products. *Inst. Corn & Agr. Merchants. J.* 3:32-34. Ref. Spring 1951. 10 In7
- 59798 HIXSON, F. M., and THOMPSON, R. B. The use of estrogens for improving the market finish of turkeys in hot weather. *Poultry Sci.* 30:393-395. May 1951. 47.8 Am33P
- 59799 HOLMES, C. E. Utilization of poultry feeds. *Feedstuffs* 23(19):42-43. May 12, 1951. 286.81 F322
- 59800 HOLMES, G. It's not too late for buckwheat—poultry enjoy this grain. *Mod. Poultry Keeping* 64:537. May 16, 1951. 47.8 Eg3
- 59801 INGRAM, G. R., and others. The methionine requirement of the laying hen. *Poultry Sci.* 30:431-434. Ref. May 1951. 47.8 Am33P
- W. W. Cravens, C. A. Elvehjem, and J. G. Halpin, joint authors.
- 59802 INGRAM, G. R., and others. Studies on the lysine and tryptophan requirements of the laying and breeding hen. *Poultry Sci.* 30:426-430. May 1951. 47.8 Am33P
- W. W. Cravens, C. A. Elvehjem, and J. G. Halpin, joint authors.
- 59803 JENNINGS, J. Green, green pastures for poultry. *Mod. Poultry Keeping* 64:500. May 9, 1951. 47.8 Eg3
- 59804 JOHNSON, E. L. B12 and antibiotics. *Flour & Feed* 51(12):26. May 1951. 298.8 F66
- In poultry feeding.
- 59805 KONTARUK, M. Machine fattening of geese in the summer. (In Russian.) *Miasnaia Indus. SSSR.* 21(6): 68. Nov./Dec. 1950. 50.8 M58
- 59806 KRATZER, F. H., and WILLIAMS, D. E. Safflower oil meal in rations for chicks. *Poultry Sci.* 30: 417-421. May 1951. 47.8 Am33P
- 59807 LASSEN, S., BACON, E. K., and DUNN, H. J. An evaluation of condensed whale solubles as a supplement in poultry nutrition. *Poultry Sci.* 30:422-425. May 1951. 47.8 Am33P
- 59808 LÜHRS. Ein fütterungsversuch an enten mit dem mastmittel "Turil." *Monatsh. f. Prakt. Tierheilk.* 3:54-60. Ref. 1951. 41.8 M74
- 59809 MATHEWS, H. L. Full feeding best for growing pullets. *N. Mex. Stockman* 16(5):49. May 1951. 49 N462
- 59810 MATTERSON, L. D., and others. A comparison of several antibiotics as growth stimulants in practical chick-starting rations. *Conn. (Storrs) Agr. Expt. Sta. B.* 275, 20 p. Mar. 1951. 100 C76S
- E. P. Singen, L. Decker, and A. Kozeff, joint authors.
- 59811 MILLER, M. W. Nutrients used in poultry and dairy feeds. *Washcoegg* 28(12):8, 18, 20. May 1951. 47.8 W27
- 59812 MONAHAN, W. C. Put turkeys in the corn for economical gains. *East. Feed Merchant* 2(4):24, 59. Apr. 1951. 389.78 Ea7

- 59813 MORGAN, C. L. Influence of distillers solubles on broiler feed. *East. Feed Merchant* 2(5):30-32. Ref. May 1951. 389.78 Ea7
- 59814 NEW ENGLAND COLLEGE CONFERENCE. Poultry rations. *Poultry Digest* 10:224-225. Apr. 1951. 47.8 N219
- 59815 PEELE, F. E. Turkeys in April. *Mod. Poultry Keeping* 64:393. Apr. 11, 1951. 47.8 Eg3
Chiefly feeding.
- 59816 PEROTTI, R. M. Preparación de las aves destinadas al mercado. *Mundo Agr.* 2(19):52. Dec. 1950. 9 M92
Fattening.
- 59817 PERUCHON, J. Les microbes et les aliments. *Avicult. Basse-Cour* 7:62, 79-80, 82. Mar./Apr. 1951. 47.8 Av53
Chiefly vitamin B₁₂ in poultry feed.
Also in *Terre d'Oc* 33:128-134. Apr. 1951. 14 Ar5
- 59818 POWELL-OWEN, W. Frame first, eggs second; there is a proper time to introduce layers' mash to the pullets. *Poultry World* 88:515-516. May 31, 1951. 47.8 P8682
- 59819 RABANAL LUIS, M. Alimentación racional de las aves. I. Generalidades. *Ganadería [Madrid]* 9:47-49. Feb. 1951. 49 G15
- 59820 ROBINSON, L. Home grown grain for the growers. *Mod. Poultry Keeping* 64:419. Apr. 18, 1951. 47.8 Eg3
- 59821 RÖMER, R. R. Die fütterung des geflügels. Ed. 10. Stuttgart, Pfennigstorf, 1950. 407 p. 47 R66F
- 59822 ROY, J. B. De la protéine a bon marché; un bon pâturage d'herbe courte fournit aux futures pondeuses des protéines à bon marché, des vitamines et des minéraux d'une qualité insurpassable. *Avicult. Québecois* 6(5):4-7. May 1951. 47.8 Av55
- 59823 SCHAEFER, H. C. New discoveries in nutrition provide stairway for nation's broilermen to meet high production goal. *Poultryman* 20(42):6. June 8, 1951. 286.85 P86
- 59824 SHAW, R. B., and NEWBURY, M. A heavier turkey—on less food! *Mod. Poultry Keeping* 64:472. May 2, 1951. 47.8 Eg3
- 59825 SKINNER, J. L., QUISENBERRY, J. H., and COUCH, J. R. High efficiency and APF concentrates in the ration of the laying fowl. *Poultry Sci.* 30:319-324. Ref. May 1951. 47.8 Am33P
- 59826 STACEY, C. G. Food intake and weight gains. *Poultry World* 88:241. Mar. 15, 1951. 47.8 P8682
- 59827 THORBURN, J. Growing for poultry profits. 14-15. *Poultry Farmer [London]* 124(3215):11; (3216):11. Mar. 16-23, 1951. 47.8 F312
- 59828 TORRES L. DE HARO, C. El cobre en avicultura. *Ganadería [Madrid]* 9:71-72. Feb. 1951. 49 G15
- Veterinary Medicine**
- 59829 ALEXANDER, A. K. S. Late chicks mature slowly. *Farmer & Stock-Breeder* 65(3211):79. May 8, 1951. 10 F228
- 59830 ARAGON LEIVA, P. Diarrea blanca de las aves de corral. *Tierra [Mexico]* 6:538-540, 568-571. (To be cont.) Oct. 1950. 8 T445
- 59831 BAROTT, H. G., SCHOENLEBER, L. G., and CAMPBELL, L. E. The effect of ultraviolet radiation on egg production of hens. *Poultry Sci.* 30:409-416. May 1951. 47.8 Am33P
- 59832 BEARD, W. A. Blue comb. *No. Amer. Vet.* 32:402-403. June 1951. 41.8 N812
- 59833 BLOUNT, W. P. What is causing crooked toes in these chicks? Ray brooding brings a new mystery. *Mod. Poultry Keeping* 64:427. Apr. 18, 1951. 47.8 Eg3
- 59834 BONADUCE, A. On the prevention of pullorum disease; research on some disinfectants for adding to the drinking water of chicks. (In Italian.) *Arch. Vet. Ital.* 1:401-411. Ref. Dec. 31, 1950. 41.8 Ar25
English summary.
2% sulfuric or hydrochloric acid or 5% mercuric chloride effective.
- 59835 BRANT, J. W. A. Rate of early growth in domestic fowl. *Poultry Sci.* 30:343-361. Ref. May 1951. 47.8 Am33P
- 59836 BRENNEMAN, W. R. A factorial analysis of pituitary-gonad-comb relationships in the chick. 2. Action of pregnant-mare-serum and testosterone-propionate on the growth of the pituitary and gonad. *Poultry Sci.* 30:399-408. Ref. May 1951. 47.8 Am33P
- 59837 BROWN, T. T. Watch for diseased pullets; good pastures cut poultry production costs and reduce the disease hazard. *South. Planter* 112(6):28. June 1951. 6 So89
- 59838 CACIOPPO, F., and QUATRINI, U. Research on thiaminase. II. Behavior of pigeons submitted to supply of extracts of *Venerupis decussata*. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:1015-1017. Ref. June 1950. 442.8 So12
- 59839 CAFIERO, M. Adenosin triphosphatase and myosin in the chick embryo during development. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:512-513. Apr. 1950. 442.8 So12
- 59840 DALRYMPLE, A. J. Anti-Newcastle vaccine raises storm of controversy in B.C. *Farm & Ranch Rev.* 47(5):12-13. May 1951. 7 F223
- 59841 DONIGIEWICZ, K. Examinations of the gall bladder contents of geese on carriers of bacteria *Salmonella*. (In Polish.) *Med. Weter.* 7:136. Feb. 1951. 41.8 M463
- 59842 EL-IBIARY, H. M., and SHAFFNER, C. S. The effect of induced hypothyroidism on the genetics of growth in the chicken. *Poultry Sci.* 30:435-444. Ref. May 1951. 47.8 Am33P
- 59843 FEDOROVSKIY, N. P. Crop and stomach digestion in turkeys. (In Russian.) *Sovet. Zootekh.* 6:50-58. Jan. 1951. 49 So822
- 59844 FINNE, I., and VIKE, N. A new sub-lethal factor in hens. *Poultry Sci.* 30:455-465. May 1951. 47.8 Am33P
Atresia of the oviduct.
- 59845 FLEWETT, T. H., and CHALLICE, C. E. The intracellular growth of fowl-plague virus; a phase-contrast and electron microscopical study of infected tissue cultures. *J. Gen. Microbiol.* 5:279-286. Ref. May 1951. 448.3 J823
- 59846 FOMINA, A. I., and OCHKINA, I. I. Testing the neutralizing and preventive properties of a serum obtained from goats hyperimmunized with Asiatic fowl pest virus. (In Russian.) *Veterinariia* 28:51. Jan. 1951. 41.8 V6426
Vaccination of hens.
- 59847 FRONDA, F. M., and MENSALVAS, F. S. Poultry diseases in the Philippines. *Agr. & Indus. Life* 13(3):6-7, 22-23. Mar. 1951. 25 Ag8
- 59848 GILLIS, M. B., and YOUNG, R. J. Choline oxidase activity of chick liver tissue. *Poultry Sci.* 30:468-469. May 1951. 47.8 Am33P
- 59849 GORDON, R. F. Half the trouble with poultry. *Farmers Wk. [London]* 34(20):61, 63. May 18, 1951. 10 F2226
Fowl paralysis.
- 59850 GORET, P., LUCAM, F., and JOUBERT, L. A propos de l'épizootie française actuelle de peste aviaire; remarques sur l'épizootologie du processus dans la région lyonnaise. *Rev. de Méd. Vét. [Toulouse]* 102:6-16. Jan. 1951. 41.8 R32
- 59851 GWATKIN, R., and DZENIS, L. Studies in pullorum disease. XXVIII. Artificial infection of turkeys with regular, variant and mixed form cultures of *Salmonella pullorum*. *Canad. J. Compar. Med.* 15:108-119. May 1951. 41.8 C162
- 59852 HALE, M. Unfair criticisms of duck eggs. *Poultry World* 88:362. Apr. 19, 1951. 47.8 P8682
On *Salmonella* infection and general sanitation.
- 59853 HAMILTON, C. M. Poultry disease control with vaccines and medicated feeds. *Co-op. Poultryman* 16(5):14-17. May 1951. 47.8 C782
Similar title in *Washcoegg* 28(12):9, 13. May 1951. 47.8 W27
- 59854 HANSBOROUGH, L. A., and KHAN, M. The initial function of the chick thyroid gland with the use of radioiodine (I¹³¹). *J. Expt. Zool.* 116:447-452. Apr. 1951. 410 J825
- 59855 HARWOOD, P. D. Coccidiosis can be prevented. *East. Feed Merchant* 2(5):28-29, 60-61. May 1951. 389.78 Ea7
In poultry.
- 59856 HAYES, J. B. Sick chicks spell losses. *Dairy-land News* 1951:10. Apr. 1951. 280.28 W752
Disease control.
- 59857 HODGSON, G. C. How and why to caponize. *Country Guide* 70(5):36-37. May 1951. 7 G76
- 59858 HORTON-SMITH, C. New drugs that can help poultry farmers in the fight against coccidiosis. *Mod. Poultry Keeping* 64:366-367. Apr. 4, 1951. 47.8 Eg3
Sulphaquinoxaline, nitrofurazone, and nitrophenide.
- 59859 HUNTER, M. C., KEENEY, A. H., and SIGEL, M. M. Laboratory aspects of an infection with Newcastle disease virus in man. *J. Infect. Dis.* 88:272-277. Ref. May/June 1951. 448.8 J821
- 59860 INGALLS, W. L. The field differential diagnosis of some of the common respiratory conditions of poultry. *Vet. Med.* 46:278-281. July 1951. 41.8 M69

- 59861 IRELAND. DEPT. OF AGRICULTURE. Tuberculosis in poultry. Ireland. Dept. Agr. L. 98,2 p. Mar. 1951. 10.5 Ir42
- 59862 JOYEUX, C., and TRUONG-TAN-NGOC. Les cestodes de quelques oiseaux de basse-cour dans la région de Cholon (Viet-Nam). Rev. d'Elevage et de Méd. Vét. des Pays Trop. (n.s.) 4:67-69. Apr./June 1950. 41.8 R3262
- Poultry, ducks, and pigeons.
- 59863 JUNGHER, E. Vaccinate now to control respiratory diseases. Everybodys Poultry Mag. 56(6):15, 24. June 1951. 47.8 F213P
- 59864 KERR, K. B. Worm control year around can pay big dividends. Poultry Supply Dealer 28(5):14-15. May 1951. 47.8 B11
- 59865 KLINE, I. T., and DORFMAN, R. I. Estrogen stimulation of the oviduct in vitamin-deficient chicks. Endocrinology 48:345-357. Ref. Apr. 1951. 44.8 En2
- 59866 LEVINE, P. P. Bronchitis is different! Poultry Tribune 57(5):10,28. May 1951. 47.8 P8642
- 59867 LIVET, L. Un peu de pathologie aviaire. Paysan Franç. 26(400):8-9. Apr. 1951. 14 P29
- 59868 MCGREGOR, J. K. 2-amino-5-nitrothiazole in the control of enterohepatitis (blackhead) in turkeys. Amer. Vet. Med. Assoc. J. 118:394-395. June 1951. 41.8 Am3
- 59869 MARBLE, D. R. Resistance to leucosis no assurance your strain is safe from other flock ailments. Poultry Supply Dealer 28(5):30-31. May 1951. 47.8 B11
- 59870 MARTHEDEL, H. E., and TORP-JACOBSEN, P. On the effect of sulfonamide preparations, especially sulfabenzpyrazine (sulfaquinoxaline) on experimentally produced caecal coccidiosis. (In Danish.) Nord. Vetmed. 3:127-146. Ref. Feb. 1951. 41.8 N813
- English summary.
Poultry.
- 59871 MELCHIOR, F. Poultry vaccination can be confusing. Calif. Farmer, North. Ed. 194:510-511. May 19, 1951. 6 C126
- 59872 MOORE, E. N., and BROWN, J. A. A new coccidium pathogenic for turkeys, *Eimeria adenoides* n. sp. (Protozoa: Eimeriidae). Cornell Vet. 41:124-135. Apr. 1951. 41.8 C81
- 59873 ORR, H. L. Preventing poultry diseases. Farmer's Mag. 48(2):58. Feb. 1951. 7 C165
- 59874 PETERSON, E. H., and HYMAS, T. A. Antibiotics in the treatment of an unfamiliar turkey disease. Poultry Sci. 30:466-468. May 1951. 47.8 Am33P
- Similarity to avian monocytosis.
- 59875 PIERI, L. Pseudo fowl pest or Newcastle disease. (In Italian.) Romagna Agr. e Zootec. 36(5):3. Apr. 1951. 16 R66
- 59876 RALSTON PURINA COMPANY. Controlling poultry coccidiosis. Nutr. News B. 7(2),4 p. Apr. 1951. 38.9 N95
- 59877 REAGAN, R. L., and BRUECKNER, A. L. Studies by electron microscopy of five Newcastle disease virus strains. Poultry Sci. 30:449-451. May 1951. 47.8 Am33P
- 59878 REISER, R., and others. The syntheses and interconversions of polyunsaturated fatty acids by the laying hen. J. Nutr. 44:159-175. Ref. May 10, 1951. 38.9 J82
- B. Gibson, M. J. Carr, and B. G. Lamp, joint authors.
- 59879 RIEDEL, B. B. Group treatment with caricide for ascariasis in poultry. J. Parasitol. 37:318-319. June 1951. 44.8 J824
- 59880 RUBINO, F. Action of tyrosine in pigeons with avitaminosis B₁. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:1018-1021. June 1950. 44.8 So12
- 59881 SCHEEL, A. Hormonales kapansieren mit stilböstrolimplanetten in der landpraxis. Wien. Tierärztl. Monatsschr. 38:319. May 1951. 41.8 T345
- 59882 STATE laboratories and the control of summer poultry diseases. Soeast. Poultryman 4(5):6,14-19. May 1951. 47.8 So872
- Also in Va. Poultryman 5(5):6,14-19. May 1951. 47.8 V812
- 59883 SUMMER, W. Crooked toes in chicks. Poultry World 88:460. May 17, 1951. 47.8 P8682
- 59884 SUTHERLAND, A. K., SIMMONS, G. C., and COTTEW, G. S. Salmonellosis of chickens. Queensland Agr. J. 72:42-44. Jan. 1, 1951. 23 Q33
- 59885 TEKLIŃSKA, M. Intradermal vaccination of chicken with the modified Newcastle disease virus. (In Polish.) Med. Weter. 7:13-15. Jan. 1951. 41.8 M463
- English summary.
- 59886 TELIŃSKI, A. The duration of immunity against Newcastle disease following vaccination with alive Hertfordshire virus. (In Polish.) Med. Weter. 7:5-6. Jan. 1951. 41.8 M463
- English summary.
- 59887 THOMPSON, J. J. Nutritional deficiencies and diseases of poultry. New Zeal. J. Agr. 82:181,183-185, 187-188. Feb. 1951. 23 N48J
- 59888 TODD, A. C., and CROWDUS, D. H. Methyl testosterone in the diet of chicks and growth of the nematode *Ascaridia galli*. J. Parasitol. 37:322. June 1951. 44.8 J824
- 59889 TRENCHI, H. The importance of health in poultry raising. IV. Nutritional diseases. (In Portuguese.) Chacaras e Quintais 83:483-484. Apr. 15, 1951. 9.2 C34
- 59890 TRETIAKOV, N. P., and KUSTOVA, L. I. Biological characteristics of incubative eggs. (In Russian.) Priroda 39(11):51-52. Nov. 1950. 41.0 P933
- 59891 TRINIDAD AND TOBAGO. DEPT. OF AGRICULTURE. Fowl cholera. Agr. Soc. Trinidad & Tobago. Proc. 50:401-403. Dec. 1950. 8 T73
- 59892 TRINIDAD AND TOBAGO. DEPT. OF AGRICULTURE. Laryngo-tracheitis (or flu). Agr. Soc. Trinidad & Tobago. Proc. 50:403-404. Dec. 1950. 8 T73
- In poultry.
- 59893 VIRGINIA POLYTECHNIC INSTITUTE. VPI research: vaccination for Newcastle disease by atomization. Soeast. Poultryman 4(4):6-7,18-22. Apr. 1951. 47.8 So872
- Also in Va. Poultryman 5(4):6-7,18-22. Apr. 1951. 47.8 V812
- 59894 WILSON, J. E. Sulphaquinoxaline and sulphamezathine in the treatment of experimentally induced caecal coccidiosis of chickens (*E. tenella*) and in a natural outbreak of coccidiosis in turkeys (*E. meleagridis* and *E. meleagrimitis*). Vet. Rec. 63:373-377. Ref. May 26, 1951. 41.8 V641

Miscellaneous

- 59895 ALEXANDER, A. K. S. Hens on range—turkeys in yards. Farmer & Stock-Breeder 65(3214):83. May 29, 1951. 10 F228
- 59896 AMSDEN, J. Let us have records that really tell us something. Mod. Poultry Keeping 64:534-535. May 16, 1951. 47.8 Eg3
- 59897 ARAN, S. Las aves y sus productos; explotación económica de gallinas, patos, ocas, pavos, palomas y faisanes. Ed. 5, rev. Madrid, Gráficas Yagües, 1950? 592 p. (Biblioteca Pecuaria) 47 Ar11
- 59898 AUBOL, W. F. Proper management of chicks pays. Nebr. Elect. Farmer 5(4):7. Apr. 1951. 33.8 N27
- 59899 BAIBARA, G. K. Turkey raising on TSK VKP (b) Collective Farm [Novosenzharskii District, Poltava Region]. (In Russian.) SoSialist. Zhivotnovod. 12(12):64-65. Dec. 1950. 49 So71
- 59900 BEESON, F. W. Confinement and free range rearing. Canada Poultryman 88(5):9-10. May 1951. 47.8 C166
- 59901 BEESTMAN. Tend the hens. (In Dutch.) Pluimveeteelt 4(5):4,7. Mar. 2, 1951. 47.8 P722
- 59902 BLACKWELL, H. L. How did this season's brooding go? Mod. Poultry Keeping 64:556. May 23, 1951. 47.8 Eg3
- 59903 BROWN, J. C. Midwest Delmarva; low investment and top performance is fast making central Illinois the broiler center of the Midwest. Amer. Poultry J. 82(2):14,36. Feb. 1951. 47.8 Am32
- 59904 BURGOS, C. X. Questions and answers on duck raising. Agr. & Indus. Life 13(3):18-19. (To be cont.) Mar. 1951. 25 Ag8
- 59905 BYCHENKO, A. F. Achievements in poultry raising in Voronezh Region. (In Russian.) SoSialist. Zhivotnovod. 12(12):58-63. Dec. 1950. 49 So71
- Poultry show.
- 59906 CASTAING, C. Ce que j'ai vu et appris dans un élevage avicole moderne. Terre d'Oc 33:134-137. Apr. 1951. 14 Ar5
- 59907 CECIL, L. Weeding out non-layers. Mod. Poultry Keeping 64:359. Apr. 4, 1951. 47.8 Eg3
- 59908 CLEMENTS, P. B. My "battery" system. Farmers Wk. [London] 34(17):65. Apr. 27, 1951. 10 F2226
- Henyards with electric fences.
- 59909 COLES, R., and SHRIMPSON, E. A. G. Egg yields from poultry flocks in England and Wales. Gt. Brit. Min. Agr. Agriculture 58:28-32. Apr. 1951. 10 G79J
- 59910 DAHL, K. R. Dahls deubog [Dahl's pigeon book]. København, Hagerup, 1950. 250 p. 47.2 D13

- 59911 DUKE, W. Cleaner and safer; a formula for success in the broiler industry. *Farm Builder* 1951:8-11. May/June 1951. 296.8 F222
- 59912 DUNK, M. R. Caged layers for the South. *Poultry Tribune* 57(6):9,21. June 1951. 47.8 P8642
- 59913 EGGLETON, L. Z. Planned egg production and quality. *Iowa State Col. Agr. Ext. Iowa Farm Sci.* 5:171-172. May 1951. 275.28 I094
- 59914 FINNE, L. Results of the egg laying contest 1949-1950. (In Swedish.) *Forsk.- och Försöksresultat* 2: 53-64. Dec.15,1950. 20 F77
English summary.
Finland.
- 59915 FLEURY, R. DE F. A la basse-cour de la Ferme-École Provinciale [de Deschambault]. *Avicult. Québécois* 6(5):9-10. May 1951. 47.8 Av55
- 59916 FOSTER, J. C., JR. Pigeon racing important in Japan's social revolution. *Amer. Racing Pigeon News* 67(6):16. June 1951. 47.8 H75
- 59917 GATZ, C. C. Increasing egg production for better income. *Farmers Fed. News* 31(6):5,12. Feb.1951. 280.28 F225
Poultry care.
- 59918 GERICKE, A. M. Factors concerned in the raising of poultry. *Farming So. Africa* 26:101-104. Mar. 1951. 24 So842
- 59919 GILLILLAND, B. A. Infrared: a brooding winner? *East. Feed Merchant* 2(5):36,38,56. May 1951. 389.78 Ea7
- 59920 GRANGE, C. Passing-in test for 12-week-old pullets. *Poultry [London]* 108:387. May 15,1951. 47.8 P869
On purchasing.
- 59921 GRATON, A. Conseils pratiques pour ceux qui ne réussissent pas très bien dans l'élevage des poussins. *B. des Agr.* 47(4):22. Apr.1951. 7 B872
- 59922 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. The culling of poultry. *Gt. Brit. Min. Agr. & Fisheries. B.* 59,19 p. July 1950. 10 G794B
- 59923 HALBROOK, E. R., WINTER, A. R., and SUTTON, T. S. The microflora of poultry house litter and droppings. *Poultry Sci.* 30:381-388. May 1951. 47.8 Am33P
- 59924 HALE, M. April-hatched "heavies" will thrive. *Poultry World* 88:315. Apr.5,1951. 47.8 P8682
- 59925 HALE, M. Margin of error in chick sexing. *Poultry World* 88:389. Apr.26,1951. 47.8 P8682
- 59926 HALE, M. Rearing better pullets. 1-5. *Poultry World* 88:413,438,463,486,516. May 3-31,1951. 47.8 P8682
- 59927 HALE, M. Table poultry. 5-8. *Poultry World* 88:218,240,266,288. Mar.8-29,1951. 47.8 P8682
- 59928 HALL, G. O., MARBLE, D. R., and RICE, J. E. Culling and selecting for egg production. *N. Y. Agr. Col. Cornell Ext. B.* 175, slightly rev., 40 p. May 1951. 275.29 N48E
- 59929 HARRIS, E. A dozen turkeys for Christmas. 1-5. *Poultry [London]* 108:388,407,426,446,467. May 15-June 12,1951. 47.8 P869
- 59930 HARRIS, E. C. Turkey growing is tough in Britain. *Turkey World* 26(6):24,46-49. June 1951. 47.38 T84
- 59931 HAWKEY, K. If I were starting again. 11-13. *Poultry World* 88:217,265,314. Mar.8,22, Apr.5,1951. 47.8 P8682
Poultry farming.
- 59932 HAWKEY, K. More attention to the export market; our reputation for quality stock should be maintained. *Poultry World* 88:487. May 24,1951. 47.8 P8682
- 59933 HEINSOHN DE BRIGARD, J. Rayos infrarrojos en la cría de pollitos. *Res* 19:25830. Mar.20,1951. 286.85 R31
- 59934 HERTEL, J. Deep litter brooding. Co-op. *Poultryman* 16(5):32-33. May 1951. 47.8 C782
- 59935 HICKS, J. S. Prospects for would-be poultry farmers. 1-2. *Poultry [London]* 108:410,450. May 22, June 5,1951. 47.8 P869
- 59936 HODGSON, G. C. Producing fall and winter eggs in Manitoba. *Manitoba. Dept. Agr. & Immigr. P.* 237,8 p. Sept.1950. 275.29 M313
Care and feeding of poultry.
- 59937 HOMEWOOD, R. A. Out of cages and into folds. *Mod. Poultry Keeping* 64:338-339. Mar.28,1951. 47.8 Eg3
- 59938 HUTTAR, J. Growing good pullets. *G. L. F. Week. Serv. Sched.* 15(42):5. Apr.1951. 280.28 G113W
- 59939 JENNINGS, J. Points to consider with battery replacements. *Mod. Poultry Keeping* 64:422-423. Apr.18,1951. 47.8 Eg3
- 59940 JOULE, T. L. Built-up litter lasts longer and longer. *Mo. Rur.* 92(7):20-21. Apr.14,1951. 6 R8891
- 59941 JULL, M. A. Brooding chickens. *Md. Farmer* 35(3):24-25. Mar.1951. 6 M362
- 59942 JULL, M. A. Successful poultry management. Ed. 2. New York, McGraw-Hill, 1951. 447 p. Ref. (McGraw-Hill Rur. Activ. Ser.) 47 J94S
- 59943 KAUFFMAN, H. H. Keeping poultry houses and litter dry. *Lackawanna-Wayne Farm & Home News* 3(4): 13-15. (Concl.) Mar.1951. 6 L11
- 59944 KIRIUKHINA, N. K. Outstanding poultry-woman in Kuban Area. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):66-68. Dec.1950. 49 So71
P. I. Shinkarenko's methods of raising chicks.
- 59945 KNOWLES, T. Making poultry pay. 6-7. *Poultry Farmer [London]* 124(3215):9;(3216):9. Mar.16-23,1951. 47.8 F312
- 59946 KNOWLES, T. Planning a farm poultry unit. 4. *Poultry [London]* 108:208. Mar.13,1951. 47.8 P869
- 59947 KRAUS. Soll ich mit einer geflügelzucht beginnen? *Landfrau* 6:18. Mar.3,1951. 18 L2337
- 59948 LACOURCIERE, H. Le poulailler d'agriculture de l'école de Ste-Martine. *Avicult. Québécois* 6(5):21-22. May 1951. 47.8 Av55
- 59949 LAWLESS, E. J., JR. Broiler trends in Pennsylvania. *Amer. Poultry J.* 82(5):13,35-36. May 1951. 47.8 Am32
- 59950 LEE, C. E. Profitable poultry management. Ed. 19. Cayuga, N. Y., 1951. 271 p. 47 L51
- 59951 LLOYD-THOMAS, W. Don't neglect mother goose after the hatch. *Mod. Poultry Keeping* 64:561. May 23,1951. 47.8 Eg3
- 59952 LLOYD-THOMAS, W. For the goose keeper: don't leave it to die in it's shell, the late egg should not mean a lost gosling. *Mod. Poultry Keeping* 64:337. Mar.28,1951. 47.8 Eg3
- 59953 LLOYD-THOMAS, W. When it comes to rearing there's no hard and fast rules for goslings. *Mod. Poultry Keeping* 64:448. Apr.25,1951. 47.8 Eg3
- 59954 LÜHRS. Wintergefahren im hühnerstall. *Land-frauenarbeit* 1951:3-4. Jan.6,1951. 18 L2347
Germany.
- 59955 LUJAN GARCIA, J. Algunas curiosidades bíblicas sobre las palomas. *Lérida Ganad. (ser.3)* 122: 254-255. Dec.1950. 41.8 L56
- 59956 MCARDLE, A. A. Poultry and the labour question. *So. Austral. Dept. Agr. J.* 54:336-338. Feb.1951. 23 So84
- 59957 MCHENRY, S. L. So you think you know how to cull! *N. J. Farm & Gard.* 22(5):56-58. May 1951. 6 G162
- 59958 MCIVER, W. L. Selection of second-year birds for the household poultry pen. *New Zeal. J. Agr.* 82:149,151. Feb.1951. 23 N48J
- 59959 MCPHERSON, W. W. Eggs for sale the year around. *Res. & Farming [N. C. Sta.]* 9(3):11,15. Winter 1951. 100 N81R
Egg production in North Carolina.
- 59960 MANITOBA. DEPT. OF AGRICULTURE AND IMMIGRATION. Growing healthy chicks in Manitoba. *Manitoba. Dept. Agr. & Immigr. P.* 239,12 p. Feb.1951. 275.29 M313
- 59961 MASTERSON, F. H. Profitable fall layers from started chicks. *Poultry Tribune* 57(5):24,26. May 1951. 47.8 P8642
- 59962 MAW, W. A. The turkey broiler. *Canad. Poultry Rev.* 75(6):27-28. June 1951. 47.8 C16
- 59963 MENNE, E. Warum frühe Küken? *Landfrauenarbeit* 1951:27-28. Jan.27,1951. 18 L2347
Germany.
- 59964 MIDDLEMISS, E. Poultry plant run on factory lines; efficient organisation maintains flow of hundreds of thousands of eggs through incubators on farm near Cape Town. *Farmer's Wk. [Bloemfontein]* 81:10-11,13,15. Apr.11,1951. 24 F225
- 59965 MILLS, J. Successful incubation of duck eggs. *Poultry [London]* 108:287. Apr.10,1951. 47.8 P869
- 59966 MOORE, A. C. Christmas geese should pay this year. *Poultry [London]* 108:408. May 22,1951. 47.8 P869
- 59967 MOORE, A. C. Each year's hatchings teach me new lessons. *Poultry [London]* 108:368. May 8,1951. 47.8 P869
- 59968 MOORE, J. S. Week by week operations for successful turkey brooding. *Fla. Poultry & Dairy J.* 17(6):6,9-11,15. June 1951. 47.8 F66
- 59969 MOORE, S. A. Your guide to a laying house program. *Amer. Poultryman* 14(3):6-7,19. May/June 1951. 47.8 So86
From Arkansas Poultryman.

- 59970 MUNDE. Mehr eintagsküken! Landfrauenarbeit 1951:45. Feb.10,1951. 18 L2347
- 59971 NUGENT, G. R. H. More eggs in winter; what can be done to help home producers to fill the gap. Farmers' Club J. 1951:1-13. 10 L84
Includes discussion.
- 59972 NYDEGGER, H. Ein Beitrag über die künstliche Brut der Zwerge. Geflügelhof 14:92-93. Feb.9,1951. 47.8 G276
- 59973 PENNSYLVANIA. DEPT. OF AGRICULTURE. BUR. OF MARKETS. Pennsylvania breeding flocks and hatcheries 1950-1951. Harrisburg, 1951. 6 p. 225 P383
National Turkey Improvement Plan, cooperating.
- 59974 PENNSYLVANIA. DEPT. OF AGRICULTURE. BUR. OF MARKETS. Supplemental list: Pennsylvania breeding flocks and hatcheries 1950-1951. Harrisburg, 1951. 7 p. 225 P383
National Poultry Improvement Plan and National Turkey Improvement Plan, cooperating.
- 59975 PIERI, L. The laying of eggs. (In Italian.) Romagna Agr. e Zootec. 36(2/3):4. Feb.1951. 16 R66
Seasonal production.
- 59976 POWELL-OWEN, W. Are chicks moved too often? There is much to be said for the all-purpose rearing unit. Poultry World 88:338. Apr.12,1951. 47.8 P8682
- 59977 POWELL-OWEN, W. Battery house lessons: proper culling routine. Poultry World 88:241-242. Mar.15,1951. 47.8 P8682
- 59978 POWELL-OWEN, W. Don't encourage these chicks; bullies and weaklings are both unwanted, especially when rearing is by intensive methods. Poultry World 88:486-487. May 24,1951. 47.8 P8682
- 59979 POWELL-OWEN, W. Egg baskets are fuller. Poultry World 88:391. Apr.26,1951. 47.8 P8682
- 59980 POWELL-OWEN, W. Short shift for broodies. Poultry World 88:266-267. Mar.22,1951. 47.8 P8682
- 59981 QUIGLEY, G. D. Control of cannibalism in poultry. Md. Agr. Col. Ext. Fact Sheet 14,2 p. Apr.1951. 275.29 M36FA
- 59982 RAIMO, H. F. Poultry raising as an industry and its affiliation with agriculture. (In Portuguese.) Soc. Rur. Bras. Rev. 30(361):48-49. Dec.1950. 9.2 B733
- 59983 RAPLEY, R. Two-in-one system shows profit. Poultry [London] 108:350. May 1,1951. 47.8 P869
Henyard-battery unit.
- 59984 REDDITT, J. R. The profit in commercial broilers. 1. Poultry Herald 63(5):5-7. May 1951. 47.8 P862
- 59985 RODWELL, C. Feather pecking is a menace. Poultry World 88:389,391. Apr.26,1951. 47.8 P8682
- 59986 RÖMER, R. R. Landfrauen in ihrer Geflügelhaltung. Landfrauenarbeit 1951:69-70. Mar.3,1951. 18 L2347
- 59987 RÖMER, R. R. Eine neue gänsegeneration. Landfrauenarbeit 1951:36-37. Feb.3,1951. 18 L2347
Care.
- 59988 ROSCOE, C. Keeping a 100-bird flock of ducks. Poultry [London] 108:372. May 8,1951. 47.8 P869
- 59989 SAMAT, M. La ponte d'hiver en mathématiques. Réveil Agr. 60:24-25. Jan.15,1951. 14 R322
- 59990 SAMAT, M. Poussins et œufs pour la reproduction. Réveil Agr. 60:88-89. Mar.15,1951. 14 R322
- 59991 SICER, J. W., and HOGUE, R. L. Care and management of layers. Purdue U. Agr. Ext. B. 275,rev., 24 p. 1951. 275.29 In2E
- 59992 SKOGLUND, W. C., TOMHAVE, A. E., and MUMFORD, C. W. Egg weight in New Hampshire hatched each month of the year. Poultry Sci. 30:452-454. May 1951. 47.8 Am33P
- 59993 SMITH, C. R. A flock of turkeys will increase your income. Farmers Fed. News 31(6):10. Feb.1951. 280.28 F225
Care and feeding.
- 59994 SOMMERKAMP, G. Geflügelhaltung und grünländnutzung in England. Landfrauenarbeit 1951:60-61. Feb.24,1951. 18 L2347
- 59995 STACEY, C. Weaning the young pullets. Poultry [London] 108:287. Apr.10,1951. 47.8 P869
- 59996 STRATTON, C. L. Ducks 'n' turkeys. New Eng. Homestead 124(11):14-15. June 9,1951. 6 N442
Management of a farm on Cape Cod.
- 59997 SUTTON, J. How deep litter works in maintaining dry floors. Canada Poultryman 37(7):8-9. July 1950. 47.8 C166
- 59998 SYKES, G. The British hen is going intensive. Brit. Farmer 33:11. Mar.31,1951. 281.8 B77
Systems.
- 59999 TAYLOR, J. C. 180,000 broilers a year. N. J. Farm & Gard. 22(5):46,48. May 1951. 6 G162
- 60000 TAYLOR, L. J. For the duck keeper. Mod. Poultry Keeping 64:364,477,533. Apr.4,May 2,16,1951. 47.8 Eg3
- 60001 THIS outdoor battery cuts the capital costs. Mod. Poultry Keeping 64:478-479. May 2,1951. 47.8 Eg3
Poultry farm of the National Institute of Poultry Husbandry, Harper Adams College.
Similar title in Poultry World 88:387. Apr.26,1951. 47.8 P8682
- 60002 U. S. BUR. OF ANIMAL INDUSTRY. Independent flocks participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 139(sup),5 p. Apr.1951. 1.9 An52Ah
- 60003 VERRAN, R. F. Ducks—some burning questions. S. A. P. A. Poultry B. 15(163):25,27. Apr. 1951. 47.8 So89
- 60004 VERVENNE, B. VAN A. Poultry in the spring. (In Dutch.) Overijsselsch Landbl. 33(1594):10. Mar.3, 1951. 12 Ov2
Also in Landbode 5(9):10. Mar.3,1951. 12 L234
- 60005 VONDELL, J. H. Range rearing can be made easier. Everybodys Poultry Mag. 56(6):14. June 1951. 47.8 F213P
Chiefly equipment.
- 60006 WEAVER, L. E. Cornell conducts random sample poultry test. Poultry Indus. [Boston] 55(5):7. May 1951. 47.8 N44
- 60007 WHITFIELD, W. B. Nine ways to lose money on chickens. Capper's Farmer 62(6):17,73. June 1951. 6 M693
Management.
- 60008 WILLOUGHBY, J. Turkeys bring new life to western Nebraska farms. Turkey World 26(6):16-17,53. June 1951. 47.38 T84
- 60009 WILSON, B. It is time to cull. Poultry Tribune 57(6):22-23. June 1951. 47.8 P8642
- 60010 WILSON, W. O. Chick shipping boxes should keep brooding temperature as chicks can withstand chill better than overheating. Calif. Agr. [Calif. Sta.] 5(5):4. May 1951. 100 C12Cag
- 60011 WINTER, A. R., and FUNK, E. M. Poultry, science and practice. Ed. 3. Philadelphia, Lippincott, 1951. 662 p. Ref. 47 W732
- 60012 WOOD, E. Commercial egg production costings. 1-5. Poultry [London] 108:367,388,410,428,447. May 8-June 5,1951. 47.8 P869
Experiments on different methods of production at the National Institute of Poultry Husbandry.
- 60013 WOODROOF, J. G., and SHELOR, E. Advances in Georgia's broiler industry. Poultry Sci. 30:362-366. May 1951. 47.8 Am33P

RABBITS

Breeds and Breeding

- 60014 ASHTON, V. N. Breeding and judging Flemish Giants. Small Stock Mag. 35(5):20. May 1951. 48.8 P442
- 60015 BLYTH, J. Silver Marten type. Small Stock Mag. 35(6):14. June 1951. 48.8 P442
- 60016 BRABY, L. Raising Flemish and Chinchilla Giants successfully. Small Stock Mag. 35(5):29. May 1951. 48.8 P442
- 60017 FLEMING, G. Double matings. (Excerpts.) Wash. State Col. Ext. Mimeog. 961,1 p. Apr.1951. 275.29 W27Mi
Rabbits.
- 60018 HEIM, L. S. Do Flemish need special care? Small Stock Mag. 35(5):30. May 1951. 48.8 P442
- 60019 HOWDEN, A. S. Four critical months in the life of the Tan. Fur & Feather 114:297. May 10,1951. 49 F96
- 60020 JOLLIFFE, H. L. Our fancy and commercial breeds. Small Stock Mag. 35(6):3,7. June 1951. 48.8 P442
Rabbits.
- 60021 LOVELADY, P. The Creme d'Argent standard. Small Stock Mag. 35(6):42. June 1951. 48.8 P442
- 60022 OTTEN, H. Rexes in Holland. Small Stock Mag. 35(5):10. May 1951. 48.8 P442
- 60023 PANDINA, F. The origin of Chocolate Martens. Small Stock Mag. 35(5):28. May 1951. 48.8 P442
- 60024 SMITH, W. H. Fundamentals of genetics. Small Stock Mag. 35(6):40. June 1951. 48.8 P442
Rabbits.

- 60025 SNOW, D. Boosting our Flemish. Small Stock Mag. 35(6):16. June 1951. 48.8 P442
- 60026 STAMPER, J. M. The road to success with the English rabbit. Fur & Feather 114:295. May 10, 1951. 49 F96

Veterinary Medicine

- 60027 BARIETY, M., KOHLER, D., and SIFFERLEN, J. Sur l'action de l'acide ascorbique dans le développement des lésions tuberculeuses chez le lapin infecté par le bacille bovin. Soc. de Biol. Compt. Rend. 145:226-227. Feb. 1951. 442.9 P21
- 60028 CHEATUM, E. L., and BUNTING, H. Malignant neoplasms in varying hares (*Lepus americanus virginianus*). Cornell Vet. 41:136-140. Apr. 1951. 41.8 C81
- 60029 GAUDY, C. A. La sarna de los conejos. Chacra 21(246):40. May 1951. 9 C34
- 60030 GRUZHIT, O. M., and FISKEN, R. A. Effect of chloromycetin on experimental *[Salmonella]* typhosa infection in rabbits. Amer. J. Trop. Med. 31:329-334. Ref. May 1951. 448.8 Am33
- 60031 HERVAS, A. No vacile en apartar al conejo que presente signos sospechosos. Mundo Agr. 2(19):38-39. Dec. 1950. 9 M92
- 60032 LUND, E. E. Ear mange in domestic rabbits. Small Stock Mag. 35(6):18-19. June 1951. 48.8 P442
- Infestation by mites (*Psoroptes equi cuniculi*, *Chorioptes cuniculi*) treated with lindane in oil.
Also in Amer. Rabbit J. 21:67-69. May 1951. 40.28 Am3
- 60033 OLNEY, J. F. Coccidiosis of rabbits. Small Stock Mag. 35(6):8. June 1951. 48.8 P442
- 60034 RATCLIFFE, F. N., and FENNESSY, B. V. Mosquito-borne myxomatosis. Poultry Farmer [Sydney] 18(32):16-17. Feb. 10, 1951. 280.28 Or32
- In rabbits.
- 60035 SANDFORD, J. C. Some notes on milk—the most important food. Fur & Feather 114:328. May 24, 1951. 49 F96
- Rabbit's milk and lactation.
- 60036 SEREBRIAKOV, P. N., and KRASHENINNIKOVA, A. I. Experiment in inter-breed transplantation of fertilized oviducts in rabbits. (In Russian.) Sovet. Zootekh. 6:43-49. Jan. 1951. 49 So822

Miscellaneous

- 60037 HOUGAN, M. C. Why our 4-H rabbit club work is successful. Small Stock Mag. 35(6):34-35. June 1951. 48.8 P442
- 60038 MININA, I. S. Kuntsev District [Moscow Region] rabbit raisers. (In Russian.) Sov. Zootekh. Zhivotnovod. 12(12):42-45. Dec. 1950. 49 So71
- 60039 PINE, C. A. Your association, the AR&CBA. Small Stock Mag. 35(5):6. May 1951. 48.8 P442
- American Rabbit and Cavy Breeders Association.
- 60040 WALLACE, A. M. The rabbit industry in Florida. Small Stock Mag. 35(6):38-39. June 1951. 48.8 P442

SHEEP AND GOATS

Breeds and Breeding

- 60041 AUSTRALIAN CORRIEDALE SHEEP BREEDERS' ASSOCIATION. Brief history and performances of the Guthrie Corriedale stud. Geelong, Victoria, 1950. 86 p. 45 Au73C
- 60042 BELUGINA, O. P., and AIZENBERG, V. N. Blood as one of internal characteristics of sheep breed. (In Russian.) Sovet. Zootekh. 6:73-85. Jan. 1951. 49 So822
- 60043 BOSMAN, S. W. How fertility in the Merino can be improved. (In Afrikaans.) Wolboer 44:28-29. Mar. 1951. 45.8 W82
- 60044 DUCOULOMBIER, M. La sélection lainière. Défense Agr. de la Beauce et du Perche 48:146-147. Mar. 31, 1951. 14 D36
- Breeding for wool production and wool marketing.
- 60045 ELSTER, W. Badania nad pokrojem i welna świniarek owczarni w szczurach, maj. lewków, w wielkopolsce. On the conformation and the wool of swiniarka sheep of the sheep flock in Szczury, Farm Lewkowo (District of Poznań). Akad. Umiej. Prace Roln.-Leśne 53, 48 p. 1950. 20.5 K85
- English summary.
- 60046 GEMMEKE, A. Aus der westfälischen schafzucht. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:698-699. May 10, 1951. 18 L2346
- 60047 HAFEZ, E. S. E. Mating behaviour in sheep. Nature [London] 167:777-778. May 12, 1951. 472 N21

- 60048 HAMILTON, M. Sheep of the Scottish hills; the Blackface breed has made the Highlands a valuable livestock rearing country. Field 197:697. May 5, 1951. 10 F45

- 60049 JONG, W. J. DE. Forms for registration. (In Dutch.) Geitenhouder 14:6-7. Jan. 1951. 40.18 G27
- Goats.
- 60050 KOCH, W. Die diagnose der sterilität bei ziegen. Tierärztl. Umschau 6:153-155. May 1951. 41.8 T445
- 60051 KURGANSKIĬ, V. M. A valuable hybrid group of sheep. (In Russian.) Sov. Zootekh. Zhivotnovod. 12(12):52-57. Dec. 1950. 49 So71
- 60052 LEICESTER SHEEP BREEDERS' ASSOCIATION. Flock book of Leicester sheep, v. 59. Bradford, Byles, 1951. 67 p. 45.9 L53
- 60053 LOON, A. VAN. The value of registration. (In Dutch.) Geitenhouder 14:4-5. Jan. 1951. 40.18 G27
- Goats.
- 60054 MILLER, K. P., and DAILEY, D. L. A study of crossbreeding sheep. J. Anim. Sci. 10:462-468. May 1951. 49 J82
- 60055 MINNAAR, G. B. The purchasing of rams; important points to be considered. Merino Breeders' J. 13(2):4-5, 20. Apr. 1951. 45.8 So8
- 60056 NEW ZEALAND SHEEP BREEDERS' ASSOCIATION. New Zealand flock book of the following breeds of sheep: Lincoln, English Leicester, Border Leicester, Romney Marsh, Shropshire, Merino, Merino (Polled), Cheviot, Suffolk, Dorset Horn, Dorset Down, Kerry Hill (Wales), and halfbred; with a special appendix for Southdown-Suffolk, v. 46. Christchurch, Whitcombe & Tombs, 1950. 170 p. 45.9 N481
- 60057 NORTH COUNTRY CHEVIOT SHEEP SOCIETY. Flock book of North Country Cheviot sheep, v. 4. Edinburgh, 1950. 99 p. 45.9 N81
- 60058 NOZDRACHEV, I. F. Increasing the fertility of sheep. (In Russian.) Sovet. Zootekh. 6:17-28. Jan. 1951. 49 So822
- Multiple births.
- 60059 RYELAND SOCIETY. The Ryeland flock book, embodying registrations for 1949 and 1950, with other details relative to the working of the Society which was founded in 1903, v. 37, 1949/1950. Hereford, Hereford Times, 1951. 67 p. 45.9 R98
- 60060 SCHMIDT, R. Zur frage der veredelung der österreichischen Landschaft mit "Île de France"-schafen. Wien. Tierärztl. Monatsschr. 38:310-315. May 1951. 41.8 T345
- 60061 SHROPSHIRE SHEEP BREEDERS' ASSOCIATION AND FLOCK BOOK SOCIETY. The flock book of Shropshire sheep, v. 69. Shrewsbury, Livesey, 1951. 43 p. 45.9 Sh8F
- 60062 SIDWELL, G. M., PRICE, D. A., and GRANDSTAFF, J. O. Genetic and environmental factors affecting type and condition in Navajo and Navajo crossbred weanling lambs. J. Anim. Sci. 10:455-461. May 1951. 49 J82
- 60063 TAYLOR, J. Another view of crossbreeding. Sheep & Goat Raiser 31(8):22, 45. May 1951. 45.8 Sh3
- 60064 WENSLEYDALE LONGWOOL SHEEP BREEDERS' ASSOCIATION. Flock book of Wensleydale longwool sheep, v. 62. Grange-over-Sands, Wadsworth, 1951. 42 p. 45.9 W482

Feeds and Feeding

- 60065 ASDELL, S. A. Feed well to get more from your goats. Dairy Goat J. 29(6):4-5. June 1951. 40.18 M592
- 60066 BURKITT, W. H. Apparent digestibility by lambs of grass hay supplemented with rape-seed oil meal or linseed meal. Mont. Agr. Expt. Sta. C. 193, 7 p. Mar. 1951. 100 M76
- 60067 DRUMMOND, J., and VAN HORN, J. L. Wool production as related to nutrition. Mont. Wool Grower 25(5):7, 20. May 1951. 45.8 M762
- 60068 ELAM, F. L. Silage for sheep. West. Livestock J. 29(32):46, 80. May 15, 1951. 6 F2278
- 60069 KLOSTERMAN, E. W., and others. The effect of methionine supplementation upon the utilization of pea and alfalfa proteins by sheep. J. Anim. Sci. 10:439-446. Ref. May 1951. 49 J82
- D. W. Bolin, E. L. Lasley, and W. E. Dinusson, joint authors.
- 60070 KUKHARCHUK, V. V. Rations for feeding lambs during the sheltered period. (In Russian.) Sovet. Zootekh. 6:29-35. Jan. 1951. 49 So822
- 60071 LACEY, J. J. New ideas save time—and sheep. Wis. Coop. Wool Growers News 16(9):4. Apr. 1951. 280.28 W882
- Sheep feeding.

60072 LEACH, C. A. Exotic feeds appear in Japanese goat rations. *Dairy Goat J.* 29(6):5-6. June 1951. 40.18 M592

60073 PHILLIPS, C. A., HARDIN, S. D., and THOMAS, W. E. The effect of the corn-alfalfa hay ratio on the digestibility of the different nutrients by sheep. *J. Anim. Sci.* 10:424-427. May 1951. 49 J82

60074 SWIFT, R. W., and others. The effect of alfalfa ash upon roughage digestion in sheep. *J. Anim. Sci.* 10:434-438. May 1951. 49 J82
R. L. Cowan, G. P. Barron, K. H. Maddy, and E. C. Grose, joint authors.

60075 WARD, A. L. Experiments prove salt and [cottonseed] meal mixture saves labor on range with good results—care urged in feeding mixture to sheep. *N. Mex. Stockman* 16(5):60-61. May 1951. 49 N462

Veterinary Medicine

60076 ALLCROFT, R. Neonatal ataxia of lambs. In Hammond, J., Browne, F. J., and Wolstenholme, G. E. W., eds. *Toxaemias of pregnancy, human and veterinary*; a Ciba Foundation symposium, p.107-112. Ref. London, Churchill, 1950. 448 H186

60077 ARCES, J. D., and ZAVAGLI, V. Préparation et contrôle du vaccin contre la clavelée. *Off. Internat. des Epiz. B.* 35:184-189. Mar./Apr. 1951. 41.8 Of2

60078 BADURA, R., and BRZOWSKI, J. Uselessness of bandages in the case of functional contraction in goat. (In Polish.) *Med. Weter.* 7:118-120. Feb. 1951. 41.8 M463

English summary.

Condition due to mineral deficiency.

60079 BALDELLI, B. Isolation and identification of *Coxiella burnetii* from the milk and organs of sheep at Chiaravalle. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26: 682-685. Apr./May 1950. 442.8 So12

60080 BRIOT, X. Quels sont les praticiens de la médecine ovine? *Agriculture [Paris]* 15:115. Apr. 1951. 14 Ag823

60081 BUSH, D. L. Lumbar paralysis of ovine species in Japan reportedly caused by *Setaria digitata*. *Amer. Vet. Med. Assoc. J.* 118:388-394. Ref. June 1951. 41.8 Am3

60082 CASE, A. A. Shepherd's clinic; parasitism. *Sheep Breeder* 71(6):8-9. June 1951. 45.8 Am31

60083 CHALENKO, K. M. In regard to dysentery in lambs and its etiology. (In Russian.) *Veterinariia* 28:18-19. Jan. 1951. 41.8 V6426

Clostridium perfringens.

60084 CORDIER, G. Un demi-siècle de prophylaxie anti-claveleuse en Tunisie. *Off. Internat. des Epiz. B.* 35:190-194. Mar./Apr. 1951. 41.8 Of2

60085 DURBIN, G., and HONESS, R. F. A new roundworm, *Nematodirus rufaevasitatis* (Nematoda: Trichostrongylidae) from domestic sheep, *Ovis aries*, in Wyoming. *Wash. Acad. Sci. J.* 41:179-180. May 1951. 500 W276J

60086 EPSTEIN, H. A goat with heteronymous horns. *J. Hered.* 42:81-84. Ref. Mar./Apr. 1951. 442.8 Am3

60087 EWER, T. K. To keep rickets at bay; even in the south of England it is worth while giving sheep vitamin D₂. *Farmer & Stock-Breeder* 65(3209):86. Apr. 24, 1951. 10 F228

60088 FERRARI, A. The problem of brucellosis in the Novara plateau. (In Italian.) *Frog. Vet.* 6:110-112. Feb. 15, 1951. 41.8 P942

In sheep and goats.

60089 FREIRE, J. J. Short contribution on the control of efficiency and innocuity of anthelmintics. (In Portuguese.) *Rio Grande do Sul. Dir. da Prod. Anim. B.* 5(9):31-40. Sept. 1950. 49.9 R47
Experiments with sheep.

60090 HIGNETT, P. G. A case of presumed Rhododendron poisoning in sheep. *Vet. Rec.* 63:346-347. May 12, 1951. 41.8 V641

60091 INNES, J. R. M. Necrotising encephalomyelitis (or encephalomalacia) of unknown aetiology in goats in Ceylon with similarities to setariasis of sheep, horses, and goats in Japan. (Including a brief review of nervous diseases of goats). *Brit. Vet. J.* 107:187-203. Ref. May 1951. 41.8 V643

60092 JOHNS, A. T. Isolation of a bacterium, producing propionic acid, from the rumen of sheep. *J. Gen. Microbiol.* 5:317-325. Ref. May 1951. 448.3 J823
Veillonella gazogenes.

60093 JOHNSON, R. B. The relative rates of absorption of the volatile acids from the rumen and their relationship to ketosis. *Cornell Vet.* 41:115-121. Ref. Apr. 1951. 41.8 C81

Experiments on goats with rumen fistulas.

60094 KEENER, H. A., BALDWIN, R. R., and PERCIVAL, G. P. Cobalt metabolism studies with sheep. *J. Anim. Sci.* 10:428-433. May 1951. 49 J82

60095 LEWIS, D. The metabolism of nitrate and nitrite in the sheep. 1. The reduction of nitrate in the rumen of the sheep. *Biochem. J.* 48:175-180. Ref. Feb. 1951. 382 B52

60096 MEITES, J., and others. Effects of corpora lutea removal and replacement with progesterone on pregnancy in goats. *J. Anim. Sci.* 10:411-416. Ref. May 1951. 49 J82

H. D. Webster, F. W. Young, F. Thorp, Jr., and R. N. Hatch, joint authors.

60097 MOULE, G. R. Foot rot and foot abscess of sheep. *Queensland Agr. J.* 72:39-41. Jan. 1, 1951. 23 Q33

60098 MOULE, G. R. Restraining sheep for the Mules operation. *Past. Rev.* 61:135-137. Feb. 16, 1951. 23 Au75

60099 MURA, D. Abortion in goats with severe parasitic infestations (*Haemonchus contortus* and *Oesophagostomum radiatus*). (In Italian.) *Zooprofilassi* 6:81-84. Ref. Feb. 1951. 41.8 Z72
English summary.

60100 NAKHLUPIN, N. G. Prevention of hoof diseases in sheep. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):89-90. Dec. 1950. 49 So71

60101 NATION-wide campaign against scabies. *Natl. Wool Grower* 41(6):7-9. June 1951. 45.8 N21N

60102 PARRY, H. B. Toxaemias of pregnancy in the domestic animals with particular reference to the sheep. In Hammond, J., Browne, F. J., and Wolstenholme, G. E. W., eds. *Toxaemias of pregnancy, human and veterinary*; a Ciba Foundation symposium, p.85-93. London, Churchill, 1950. 448 H186

60103 PHILLIPSON, A. T. Experimental ketosis in pregnant ewes. In Hammond, J., Browne, F. J., and Wolstenholme, G. E. W., eds. *Toxaemias of pregnancy, human and veterinary*; a Ciba Foundation symposium, p.94-105. Ref. London, Churchill, 1950. 448 H186

60104 POPJAK, G., and others. Mode of formation of milk fatty acids from acetate in the goat. *Biochem. J.* 48: 612-618. Ref. May 1951. 382 B52

T. H. French, G. D. Hunter, and A. J. P. Martin, joint authors.

60105 POPJAK, G., FRENCH, T. H., and FOLLEY, S. J. Utilization of acetate for milk-fat synthesis in the lactating goat. *Biochem. J.* 48:411-416. Ref. Apr. 1951. 382 B52

60106 RIVIERE, D. DE LA, EYQUEM, A., and MILLOT, P. Contribution à l'étude des groupes sanguins des moutons. *Acad. des Sci. Compt. Rend.* 232:1448-1449. Apr. 9, 1951. 505 P21

60107 SCRUGGS, C. G. Sonora, rancher's Experiment Station. *Prog. Farmer, Tex. Ed.* 66(5):15, 112. May 1951. 6 T311

Projects with sheep including the development of a sore-mouth vaccine.

60108 SZAFIARSKI, J., and NAWROCKI, J. The application of the polysaccharide and protein fractions for the diagnosis of distomiasis in sheep. (In Polish.) *Med. Weter.* 7:16-19. Jan. 1951. 41.8 M463

English summary.

60109 UNDERWOOD, E. J., and SHIER, F. L. The permanence of the oestrogenic effects of subterranean clover grazing on the ewe. *Austral. Vet. J.* 27:63-67. Mar. 1951. 41.8 Au72

60110 VAGIN, I. E. Colisepticemia in lambs. (In Russian.) *Veterinariia* 28:51. Jan. 1951. 41.8 V6426

60111 WATSON, D. F., VELIZ, M. O., and PAREDES J., T. Phenothiazine-hexachloroethane mixture in control of sheep parasites. *Amer. Vet. Med. Assoc. J.* 118:385-387. June 1951. 41.8 Am3

Miscellaneous

60112 BERGMANN, H. Die ziege als schlachttier. *Dortmund, Wellershaus*, 1950. 23 p. 40.1 B452

60113 BERTONE, E. B. How Australian ewes react to U.S.A. conditions. *Natl. Wool Grower* 41(6):19-20. June 1951. 45.8 N21N

60114 BRASH, A. G., and HARRIS, C. P. Milking goats. *New Zeal. J. Agr.* 82:101-104, 249-252. Feb.-Mar. 1951. 23 N48J

Breeds, care, management and diseases.

60115 COLLIN, F. H. Development of a Hawkes Bay fat-lamb farm. *New Zeal. J. Agr.* 82:143-145, 147. Feb. 1951. 23 N48J

60116 COSSETTE, M. C'est pas toujours drôle, tu sais, d'être un mouton. *B. des Agr.* 47(4):92-93, 96-97. Apr. 1951. 7 B872
Care.

- 60117 CRAWFORD, A. Machine milking of goats in South Island. *New Zeal. Farmer* 71(26):3-4. Feb. 15, 1951. 23 N484
- 60118 DU TOIT, A. T. The correct usage of rams; care of the ewes. *Merino Breeders' J.* 13(2):9-10. Apr. 1951. 45.8 So8
- 60119 ELLIOTT, E. Fitting the 4-H goats to show. *Dairy Goat J.* 29(6):6-7. June 1951. 40.18 M592
- 60120 EVANS, W. An ecological survey of hill sheep farming in Breconshire. *Gt. Brit. Min. Agr. Agriculture* 58:5-13. Apr. 1951. 10 G793
- 60121 FOWLER, R. G., JR. Webfooted sheep. *Idaho Farmer* 69:295,308-309. Apr. 19, 1951. 6 G282
Sheep care on an irrigated farm.
- 60122 FRASER, A. The position of sheep in the national economy [of Great Britain]. *Farmers' Club J.* 1951:30-45. 10 L84
Includes discussion.
- 60123 GALINDO, A. Rebat. lanar. *Ceres* [Valladolid] 16(178):13,15. Apr. 1, 1951. 15 C33 suppl.
Spain.
- 60124 HANKINS, O. G., HINER, R. L., and SIMMONS, V. L. A study of meat characteristics of Karakul sheep. *J. Anim. Sci.* 10:399-410. May 1951. 49 J82
- 60125 ISRAR-UL-HAQ. Sheep versus goats. *Co-op. & Mktg. Rev.* 5:1-12. Jan. 1951. 280.28 C78243
Care in Pakistan.
- 60126 KOTZE, J. J. J. Sheep farming in the sourgrassveld area: (i) influence of the lambing season; (ii) mineral licks and dosing for internal parasites. *Union So. Africa. Dept. Agr. B.* 294,36 p. 1950. 24 So84P
- 60127 MARION, F. What is a dairy goat? *New Eng. Homestead* 124(9):10,20. May 12, 1951. 6 N442
- 60128 OORTGIESEN, H. J. Has the National Exhibition taught us anything? (In Dutch.) *Geitenhouder* 14:2-3. Jan. 1951. 40.18 G27
Goat keeping.
- 60129 RAMSTETTER, D. South America's sheep problems and prospects. *Natl. Wool Grower* 41(6):22. June 1951. 45.8 N21N
- 60130 RONSON, R. Shearing the golden fleece; harvesting the world's wool clip is done in different ways in different countries but mostly by hand clippers. *Family Herald & Wk. Star* 82(21):5,14. May 24, 1951. 7 F21
- 60131 SHIELDS, J. Dairy produce from your garden. *Smallholder* 84(2132):23. Mar. 30, 1951. 10 Sml
Goat-keeping on a small-scale.
- 60132 SIMMONS, V. L. Milk goat questions and answers. *U. S. Bur. Anim. Indus. A.H.D.* 46, rev., 7 p. Apr. 1951. 1.9 An52AH
- 60133 SOTOLA, J. Recent practices contributing to volume lamb production. *Sheepman* 22:27,29. (Cont.) May 1951. 45.8 Sh32
- 60134 STAYNES, A. Sheep farming in India. *Wool Knowl.* 9:8-11. Winter 1950. 304.8 W886
- 60135 SWANN, H. Cost of milk production. *Brit. Goat Soc. Mon. J.* 44:82-83. May 1951. 40.19 B77M
- 60136 TALLARICO, G. The goat. (In Italian.) *Terra e Sole* 105:181-182. May 1951. 16 T273

SWINE

Breeds and Breeding

- 60137 BECKMAN, H. J. Lean meat, less lard—Berkshire hogs lead the field in economy of gains on minimum feed. *West. Livestock J.* 29(32):175-176. May 15, 1951. 3 F2278
- 60139 BUBENZER, T. A litter-tested boar can sire "8-pig" sows. *Natl. Live Stock Prod.* 29(9):5. June 1951. 280.38 N21
- 60139 CHAMBERS, D., and WHATLEY, J. A., JR. Heterosis in crosses of inbred lines of Duroc swine. *J. Anim. Sci.* 10:505-515. May 1951. 49 J82
- 60140 DAINS, J. R. The Tamworth breed. *Austral. Dairy Rev.* 19(4):25-26,28. Apr. 2, 1951. 44.8 Au73
- 60141 DIETZ, Die Schweinezucht auf den kreistierschauen 1950. *Landwirt. Z. der Nord-Rheinprov.* 118:364-365. Apr. 28, 1951. 18 L2344
- 60142 FONTANNAZ, W. Les méthodes modernes d'élevage, en particulier "l'élevage de race pure", rapportées à l'élevage du petit bétail. *Schweiz. Ver. f. Tierzucht. Schr.* 14:50-67. 1951. 49.9 Sch92
Swine, goats, and sheep.
- 60143 GIRCHENKO, I. A., SHEBITCHENKO, F. I., and GORELIKOV, A. I. Achievements [in breeding] of the pedigree swine farm of Stalin Collective Farm. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):24-32. Dec. 1950. 49 So71
- 60144 HEITMAN, H., JR. Swine breeding—increase profits with intermediate-type hog. *West. Livestock J.* 29(32):101-102. May 15, 1951. 6 F2278
- 60145 KOZLOVSKIĬ, V. G. Kalikino swine in Riazan Region. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):46-51. Dec. 1950. 49 So71
- 60146 KVASNITSKIĬ, A. V. Experiment in interbreed [Mirgorod and Large White] transplantation of oviducts [in swine]. (In Russian.) *Sovet. Zootekh.* 6:36-42. Jan. 1951. 49 So822
- 60147 NETO, O. Development of swine breeding. (In Portuguese.) *Chacaras e Quintais* 83:619-621. May 15, 1951. 9.2 C34
Historical.
- 60148 ROCHE, B. J. British breeds of livestock. VI. The large and middle White breeds of pigs. *Brit. Agr. B.* 4(13):21-25. May 1951. 10 B776
- 60149 SMERHA, J. Swine crossbreeding for commercial purposes. (In Czech.) *Interagra* 4:432-453. 1950. 28 In825
English summary.
- 60150 THOMPSON, G. H. Longer and leaner! That's the new style for Ohio hogs. *Ohio Farmer* 207(8):3,44-55. Apr. 21, 1951. 6 Oh3
- 60151 WARNICK, A. C., and others. Variation in puberty phenomena in inbred gilts. *J. Anim. Sci.* 10:479-493. Ref. May 1951. 49 J82
E. L. Wiggins, L. E. Casida, R. H. Grummer, and A. B. Chapman, joint authors.
Weight and measurements.
- 60152 WHITMORE, R. Fitting and showing Berkshire sows and pigs. *Berkshire News* 16(8):6. June 1951. 46.8 B454
- 60153 WIGGINS, E. L., and others. Variation in puberty phenomena in inbred boars. *J. Anim. Sci.* 10:494-504. May 1951. 49 J82
A. C. Warnick, R. H. Grummer, L. E. Casida, and A. B. Chapman, joint authors.
- 60154 WILKENS. Kritische betrachtungen zur tyfrage in der zucht des veredelten landschweines. *Tierzüchter* 3:153-155. Mar. 20, 1951. 49 T445

Feeds and Feeding

- 60155 ALBRECHT, R. Latest data on feeding antibiotics is told to 3,000 attending Swine Growers' Day. *Prairie Farmer, Ill. Ed.* 123(9):7. May 5, 1951. 6 P883B
- 60156 ALVES, J. DE A. Corn in the fattening of swine. (In Portuguese.) *Melhoramento* 3:5-29. Ref. 1950. 105.7 M48
English summary.
- 60157 BARRICH, E. R. Improving cottonseed meal as a protein supplement for swine. (Abs.) *Cottonseed Nutr. & Processors Conf. Proc.* 1950:42-43. 1951? 1.9321 S2P943
- 60158 BRION, A., and others. Action comparée de l'huile de foie de morue et des vitamines D2 et D3 sur le taux du tocophérol sanguin du porc et sur sa croissance. *Soc. de Chim. Biol. B.* 33:151-154. 1951. 383 Sol
R. Ferrando, P. Chenavier, and J. Portal, joint authors.
- 60159 BUTTON, D. J. Iowa State College leads in swine nutrition. *Iowa Agr.* 49(8):5-6,15. Mar. 1951. 6 Io9
- 60160 CUNHA, T. J. Feeding antibiotics; tests were made by the Florida Agricultural Experiment Station comparing the values of different antibiotics. *Hog Breeder* 26(6):3. June 1951. 46.8 H672
- 60161 CUNHA, T. J., and WALLACE, H. D. Preliminary observations on vitamin B13 in swine feeding. *Feed-stuffs* 23(19):44. May 12, 1951. 286.81 F322
- 60162 ELLIOTT, J. A. Pigs: 114 days old at birth. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(3):58. Mar. 1951. 6 P945G
Feeding during pregnancy.
- 60163 GIULIANI, R. Usable feeds in the nutrition of swine. 4. Concentrated feeds poor in fiber and with high protein content. (In Italian.) *Riv. di Zootec.* 24:41-44. Feb. 1951. 49 R52
- 60164 GREVE, L. R. Schweinehaltung auf untergeteilter dauerweide. *Landwirtsbl. Weser-Ems* 98:207-208. Mar. 8, 1951. 18 L2345
- 60165 GROENEWALD, J. W. The nutritional value of food yeast (*Torula utilis*) in pig rations. *So. African J. Sci.* 47:283-286. May 1951. 515 So84
- 60166 GRUMMER, R. H., MEYER, J. H., and BOHSTEDT, G. The effect of soft and hard coal on the growth rate of pigs. *J. Anim. Sci.* 10:543-544. May 1951. 49 J82
- 60167 HOLTZE, K. Schnellmast oder spätmast im schweinehalt. *Hannoversche Land- u. Forstwirtschaft.* 104:155-156. Feb. 17, 1951. 18 H194

60168 HORNICH, H. Die fettschweinemast in den alpenländern. *Kärntner Bauer* 101:235-237. May 1, 1951. 19 K14

60169 HUSH, H. Makes hogs of runts; proof is piling up that antibiotics are really "wonder drugs" in pig feed. *Wallaces' Farmer & Iowa Homestead* 76(9):8. May 5, 1951. 6 W15

60170 LAISNE, M. A truie bien nourrie—porcelets vigoureux et précoces. *Rustica* 24:231. Mar. 18, 1951. 14 R92

60171 LEUCKE, R. W., and others. The growth promoting effects of various antibiotics on pigs. *J. Anim. Sci.* 10:538-542. May 1951. 49 J82

F. Thorp, Jr., H. W. Newland, and W. N. McMillen, joint authors.

60172 LEVIN, I. High increases in weight. (In Russian.) *Miasnaia Indus. SSSR*. 21(6):67. Nov./Dec. 1950. 50.8 M58

Swine fattening.

60173 PARRISH, D. B., and others. Relative value of vitamin A and carotene for supplying the vitamin A requirements of swine during gestation and beginning lactation. *J. Anim. Sci.* 10:551-559. Ref. May 1951. 49 J82

C. E. Aubel, J. S. Hughes, and J. D. Wheat, joint authors.

60174 PARTANEN, J. Kuoriton maidon osittaisesta korvaamisesta soljarouhe-maapähkinäkakkuseoksella sikojen ruokinnassa. On the partial replacement of skim milk by a mixture of soybean oil meal and peanut oil cake. Finland. Maatalouden Koetoiminnan Keskusvaliokunta. Valtion Maatalouskoet. Julkaisus. 135,11 p. 1950. 20 F495

English summary.

Swine nutrition.

60175 PROCK, W., and NOWAK, E. Ist futterhefe N der bierhefe gleichwertig? Vergleichender schweinemast-versuch mit sulfat-ablaughefe und biertrockenhefe. *Pflüg* 4:54-57. Mar. 1951. 19 P48

60176 RYKOVSKIĬ, P. I. Flounder meal for raising and fattening of swine. (In Russian.) *Sotsialist. Zhivotnovod.* 12(12):18-20. Dec. 1950. 49 So71

60177 SANDKÜHLER. Schaffung einer wirtschaftseigenen futtergrundlage für die schweinehaltung. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:737. May 17, 1951. 18 L2346

60178 SQUIBB, R. L., and SALAZAR, E. Value of corozo palm nut and sesame oil meals, bananas, A.P.F. and cow manure in rations for growing and fattening pigs. *J. Anim. Sci.* 10:545-550. May 1951. 49 J82

60179 STEPHENSON, E. L. The use of detoxified cottonseed meal as a protein supplement for growing pigs. (Abs.) Cottonseed Nutr. & Producers Conf. Proc. 1950:36. 1951? 1.9321 S2P943

60180 VAN WYK, H. P. D., and VERBEEK, W. A. Lucerne hay as a source of protein in the ration of baconers. *Farming So. Africa* 26:85-91, 94. Mar. 1951. 24 So842

Veterinary Medicine

60181 AITKEN, W. A. Swine erysipelas. (Sum.) *Vet. Med.* 46:256. July 1951. 41.8 M69

60182 ALUNNO, E. Lactation makes the organism allergic? (In Italian.) *Prog. Vet.* 6:194. Mar. 15, 1951. 41.8 P942

Swine.

60183 BAKOS, K. Ueber herstellung und prüfung eines konzentrierten adsorbatimpfstoffes gegen den schweine-rotlauf. *Nord. Vetmed.* 3:109-126. Ref. Feb. 1951. 41.8 N813

English summary.

60184 BOIARSKIĬ, I. V. Protein therapy and prophylaxis of Aujeszky's disease in swine. (In Russian.) *Veterinariia* 28:50. Jan. 1951. 41.8 V6426

60185 BOTTURI, G. Experimental research in vitro and in vivo on the action of some antibiotics on *Erysipelothrix rhusiopathiae*. (In Italian.) *Arch. Vet. Ital.* 1:413-426. Ref. Dec. 31, 1950. 41.8 Ar25

English summary.

"In vivo" tests made in pigeons.

60186 BOWLAND, J. P., and others. Seasonal variation in the fat, vitamin A, and vitamin D content of sow's colostrum and milk. *J. Anim. Sci.* 10:533-537. Ref. May 1951. 49 J82

R. H. Grummer, P. H. Phillips, and G. Bohstedt, joint authors.

60187 CAMERON, H. S. The bactericidal action in vivo of aureomycin in an aureomycin fermentation residue against *Brucella suis*. *Cornell Vet.* 41:110-114. Apr. 1951. 41.8 C81

In swine.

60188 CHILIMONIUK, J. The blood picture of piglets invaded by mixed kind of parasites. (In Polish.) *Med. Weter.* 7:34-35. Ref. Jan. 1951. 41.8 M463

60189 DAVIS, V. E., and others. The composition of swine milk. I-II. *J. Nutr.* 44:17-27, 43-50. Ref. May 10, 1951. 389.8 J82

A. A. Heidebrecht, R. MacVicar, O. B. Ross, and C. K. Whitehair, joint authors.

60190 DENYER, R. C., and CARSE, G. M. D. Lice and mange of pigs. *Agr. Gaz. N. S. Wales* 62:153-156. Mar. 1, 1951. 23 N472

60191 DIERNHOFER, K. Krankheiten der ferkel und jungschweine, aufzuchtkrankheiten. *Wien. Tierärztl. Monatsschr.* 38:324-328. May 1951. 41.8 T345

60192 DOYLE, L. P. Rheumatoid disease of swine. *Vet. Med.* 46:257-259. July 1951. 41.8 M69

60193 DOYLE, L. P. Rhinitis of swine. *No. Amer. Vet.* 32:400-401. June 1951. 41.8 N812

60194 EDWARDSON, J. The health of pigs. *Austral. Junior Farmer* 3(4):35-37. (Cont.) Mar./Apr. 1951. 23 Au782

60195 GIOLITTI, G. Experimental researches on the action of saponin on *Erysipelothrix rhusiopathiae*. (In Italian.) *Arch. Vet. Ital.* 1:381-396. Ref. Dec. 31, 1950. 41.8 Ar25

English summary.

60196 GULRAJANI, T. S., and BEVERIDGE, W. I. B. Infectious pneumonia of pigs. *Nature [London]* 167:856-857. May 26, 1951. 472 N21

60197 HEITMAN, H., JR. Improving swine production. *Nulaid News* 29:24-25. May 1951. 47.8 N917

Litter size and weight.

60198 HELBIG, K. Zur prophylaxe und therapie des rotlaufs der schweine. *Monatsh. f. Vetmed.* 6:150-151. Apr. 15, 1951. 41.8 M742

60199 HUTCHINGS, L. M. Swine brucellosis control. (Abs.) *Vet. Med.* 46:252. July 1951. 41.8 M69

60200 HUTCHINSON, J. How much should a weaner weigh? *Farmers Wk. [London]* 34(19):49. May 11, 1951. 10 F2226

Swine.

60201 JANISZEWSKI, J. On the so called sudden death (herztod) in swine. (In Polish.) *Med. Weter.* 7:41-42. Jan. 1951. 41.8 M463

60202 KERSCHAGL, W. Erfahrungen mit östrogen Holzinger bei der kastration weiblicher schweine. *Wien. Tierärztl. Monatsschr.* 38:315-316. May 1951. 41.8 T345

60203 LANDAVERDE, A. La triquinosis del cerdo. *Campo [La Paz]* 5(46):55-57. Feb. 1951. 9.1 C15

60204 LOSIŃSKI, T. Heart-death (herztod) in pigs. (In Polish.) *Med. Weter.* 7:112-115. Ref. Feb. 1951. 41.8 M463

60205 LÜHRS. Hautausschlag der ferkel—ferkelruss, -grind. *Landwirtbl. Weser-Ems* 98:210-211. Mar. 8, 1951. 18 L2345

Diseases.

60206 LÜHRS. Weshalb verferkeln die sauen so oft? *Landwirtbl. Weser-Ems* 98:365-366. Apr. 26, 1951. 18 L2345

60207 LUKE, D. Studies in tuberculosis sensitivity in the pig. *Vet. Rec.* 63:339-346. Ref. May 12, 1951. 41.8 V641

60208 MAGALLANES, N. La peste porcina y medios de lucha. II. Uruguay. *Min. de Ganad. y Agr. B. Inform.* 8(369):13. May 3, 1951. 9.9 G15B

60209 MAGEE, W. T. Inheritance of scrotal hernia in swine. *J. Anim. Sci.* 10:516-522. May 1951. 49 J82

60210 MALINGIEWICZ, C. Hereditary predisposition to scrotal hernia in pigs. (In Polish.) *Med. Weter.* 7:128. Feb. 1951. 41.8 M463

60211 MANNINGER, R. The aetiology and control of enzootic bronchopneumonia in piglets. (In Polish.) *Med. Weter.* 7:9-10. Jan. 1951. 41.8 M463

60212 MANNINGER, R. The control of swine fever in large centres of production. (In Polish.) *Med. Weter.* 7:6-8. Jan. 1951. 41.8 M463

60213 MÜLLER, E. Das ferkelsterben und der ferkeldurchfall. *Landwirtschaft* 1951:21-22. Jan. 1951. 19 L235

60214 MUSSEMEIER, F. Betrachtungen über charakter und wesen des schweinerotlaufs und seine bekämpfung. *Monatsh. f. Vetmed.* 6:145-149. Apr. 15, 1951. 41.8 M742

60215 ORBO, S. DELL'. How is this swine pest cured? (In Italian.) *Terra e Sole* 105:187-188. May 1951. 16 T273

60216 QUIN, A. H. Atrophic rhinitis of swine. *Vet. Med.* 46:205-207. June 1951. 41.8 M69

- 60217 RANDOLPH, C. Swine brucellosis; experience teaches farmers how to handle disease with confidence. *Prairie Farmer*, Ill. Ed. 123(11):20-21. June 2, 1951. 6 P883B
- 60218 RAY, J. D. Swine diseases. (Abs.) *Haver-Glover Messenger* 31(5/6):12-15, 44-45. May/June 1951. 41.8 H29
- 60219 ROBINSON, G. E., JR., and NALBANDOV, A. V. Changes in the hormone content of swine pituitaries during the estrual cycle. *J. Anim. Sci.* 10:469-478. May 1951. 49 J82
- 60220 RÜBEL. Kampf dem Schweinerotlauf. *Bad. Landwirt. Wchnbl.* 118:171. Mar. 17, 1951. 18 B142
- 60221 SCHREIBER. Sind die nach rotlauf-simultanimpfungen auftretenden störungen des allgemeinbefindens, erkrankungen und todesfälle zu vermeiden? *Deut. Tierärztl. Wchnschr.* 58:147-149. May 15, 1951. 41.8 D482
- 60222 STEWART, J. K. We are losing too many young pigs. *Poultry [London]* 108:351. May 1, 1951. 47.8 P869
- Care and diseases.
- 60223 TIDWELL, A. L., and FLETCHER, J. L. The effect of summer environment on the body temperature and respiration rate of swine. *J. Anim. Sci.* 10:523-532. May 1951. 49 J82
- 60224 WIESSNER, F., and WIESSNER, W. Wiederholtes auftreten von rotlauf bei schweinen in einem kalenderjahr und andere praxisbeobachtungen. *Wien. Tierärztl. Monatsschr.* 38:320-323. May 1951. 41.8 T345
- 60225 WINKS, W. R., SUTHERLAND, A. K., and SALISBURY, R. M. Nitrite poisoning of pigs. *Queensland J. Agr. Sci.* 7:1-14. Ref. Mar./June 1950. 23 Q37
- Includes discussion.

Miscellaneous

- 60226 AGAN, R. J. Improving our techniques in evaluating swine management practices. *Agr. Educ. Mag.* 23:281-282. June 1951. 275.8 Ag8
- 60227 BLOUNT, W. P. Profit from pigs. 11-12. *Poultry Farmer [London]* 124(3215):11; (3216):11. Mar. 16-23, 1951. 47.8 F312
- 60228 CASARETTO, A. F. La evolución porcina; historia, desarrollo y posibilidades futuras. *Asoc. Argentina Criadores de Cerdos. Rev.* 30(345):17-18, 23-26. May 1951. 46.9 As5
- 60229 CLARK, D. M. Livestock cooperatives. *Agr. Educ. Mag.* 23:280, 282. June 1951. 275.8 Ag8
- The swine chain litter program.
- 60230 DOWNEY, L. A. Pig raising for young farmers. *Austral. Junior Farmer* 3(4):27-35. Mar./Apr. 1951. 23 Au782
- 60231 GONZALEZ G., F. Apuntes sobre la cría y explotación del cerdo. *Tierra [Mexico]* 6:532-534, 572-574. Oct. 1950. 8 T445
- 60232 GUARD, S. R. Hogs for the South. *Breeder's Gaz.* 116(5):12-13. May 1951. 49 B74
- 60233 INMAN, W. Help spring pigs to catch up; worst is over when they get on pasture. *Wallaces' Farmer & Iowa Homestead* 76(9):5. May 5, 1951. 6 W15
- 60234 JOHANSSON, I., and KORKMAN, N. A study of the variation in production traits of bacon pigs. *Acta Agr. Scand.* 1:62-96. Ref. 1950. 11 Ac82
- 60235 JONG, S. DE. Milk production of sows. (In Dutch.) *Maandbl. v. de Varkensfokkerij* 13:92. Feb. 1951. 46.8 M11
- 60236 JONG, S. DE. Raising baby pigs in the winter. (In Dutch.) *Maandbl. v. de Varkensfokkerij* 13:92-93. Feb. 1951. 46.8 M11
- 60237 KASSEL. Das glück im schweinstall. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:736. May 17, 1951. 18 L2346
- Care.
- 60238 LANSDALE, D. Pig keeping. *Mod. Poultry Keeping* 64:392, 449, 510, 539. Apr. 11, 25, May 9, 16, 1951. 47.8 Eg3
- 60239 MORLEY, A. The right way to pig keeping and breeding. Ed. 3. *Kingswood, Surrey, Elliot*, 1950. 112 p. (Right Way Books) 46 M822
- 60240 RANDOLPH, C. Feeder pigs for sale. *Prairie Farmer*, Gen. Ed. 123(6):1, 62-63. Mar. 17, 1951. 6 P883
- Pig hatcheries.
- 60241 SEVERSON, H. He takes work out of hog raising. *Successful Farming* 49(6):36-37, 58-60. June 1951. 6 Su12
- 60242 SHEEHY, E. J. The links of the pig chain. *Agr. Ireland* 8:108-109, 111. May 1951. 10.5 Ag8
- 60243 STEWART, W. A. More pigs for bacon and pork. *Times Survey Brit. Agr.* 1951:9. Mar. 1951. 10 T48

- 60244 VAN CLEVE, R. Winter pigs are paying off. *Ill. Agr. Assoc. Rec.* 29(4):8-9. Apr. 1951. 6 IL62
- 60245 WOLF, D. Pig hatcheries are gaining momentum. *Agr. Leaders' Digest* 32(5):14-15. May 1951. 275.28 Am3

ENTOMOLOGY

GENERAL

- 60246 BEAMENT, J. W. L. Wax secretion in insects. *Nature [London]* 167:652-653. Apr. 21, 1951. 472 N21
- 60247 BEQUAERT, J. A bibliographic note on Say's two tracts of March, 1831, and January, 1832. *Psyche* 57:146. Dec. 1950. 421 P95
- 60248 DOMÍNGUEZ, N. Nomenclatura de las antenas de los insectos. *B. de Hist. Nat.* 1:181-182. Dec. 1950. 410.9 So15B
- 60249 GEORGIA ENTOMOLOGICAL SOCIETY. Proceedings of the fifteenth annual spring meeting, Tifton, March 9-10, 1951. *J. Econ. Ent.* 44:280-282. Apr. 1951. 421 J822
- 60250 HEMMING, F. Zoological nomenclature: notice of proposed suspension of the rules in certain cases for the avoidance of confusion and the validation of current nomenclatorial practice (A. (n.s.) 7). *Science* 113:560-561. May 11, 1951. 470 Sci2
- Includes proposed changes in insect names.
- 60251 JONES, J. R. E. An ecological study of the River Towy. *J. Anim. Ecol.* 20:68-86. Ref. May 1951. 410 J826
- Includes aquatic insects and plants.
- 60252 KLOTS, A. B. Studies of a Connecticut nexus. *Biol. Rev.* 13:14-17. Mar. 1951. 442.8 B5225
- Ecological study of insects on *Alnus incana*, with their predators and symbionts. Insects living on the plant include *Sthenopsis argenteomaculatus*, *Arthrochlamys alni*, and especially *Schizoneura tessellata*.
- 60253 LANHAM, U. N. Why do insects have six legs? *Science* 113:663. June 8, 1951. 470 Sci2
- 60254 RILEY, N. D. The protection of British insects: an appeal. *Entomologist* 84:97-98. May 1951. 421 En8
- Work of Protection Committee of the Royal Entomological Society.
- Also in *Ent. Rec. & J. Variation* 63:75-77. May 1951. 421 En89
- 60255 ROCKWOOD, L. P. Some hyphomycetous fungi found on insects in the Pacific Northwest. *J. Econ. Ent.* 44:215-217. Apr. 1951. 421 J822
- 60256 SMITH, K. M., and WYCKOFF, R. W. G. Electron microscopy of insect viruses. *Research [London]* 4:148-155. Apr. 1951. 472 R31
- 60257 VAN HORN, M. C. Entomological opportunities. *Fla. Ent.* 34:71-74. June 1951. 420 F662
- 60258 WILLIAMS, C. B., and SINGH, B. P. Effect of moonlight on insect activity. *Nature [London]* 167:853. May 26, 1951. 472 N21
- 60259 WIRTH, W. W. Insect evolution in the Hawaiian Islands. (Abs.) *Ent. Soc. Wash. Proc.* 53:166-167. June 1951. 420 W27

GENERAL - ECONOMIC

- 60260 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. COTTON STATES BR. Proceedings of the twenty-fifth annual meeting, Memphis, February 5, 6, and 7, 1951. *J. Econ. Ent.* 44:275-278. Apr. 1951. 421 J822
- 60261 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. EASTERN BR. Proceedings of the twenty-second annual meeting, Philadelphia, November 20 and 21, 1950. *J. Econ. Ent.* 44:271-274. Apr. 1951. 421 J822
- 60262 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. SOUTHWESTERN BR. Proceedings of the first annual meeting, Dallas, March 1-2, 1951. *J. Econ. Ent.* 44:278-280. Apr. 1951. 421 J822
- 60263 ARANT, F. S. Cotton poisons for 1951. *Prog. Farmer*, Ga.-Ala.-Fla. Ed. 66(3):148, 150. Mar. 1951. 6 P945G
- 60264 BABERS, F. H., and PRATT, J. J., JR. Development of insect resistance to insecticides. II. A critical review of the literature up to 1951. *U. S. Bur. Ent. & Plant Quar.* E-818, 45 p. Ref. May 1951. 1.9 En83
- 60265 BAILEY, S. F., and SMITH, L. M. Toxicity hazards. I. *Agr. Chem.* 6(5):35-37, 109, 111. May 1951. 381 Ag8
- Insecticides and other chemicals.

- 60266 BELLAVITE, F. Winter spraying of drupaceous fruits. (In Italian.) *Informatore Agr.* 7(5):6. Mar. 1, 1951. 281.8 In32
Insect control.
- 60267 BEVILACQUA, I. When to apply lead arsenate? (In Italian.) *Campagnolo* 6:26-27. Apr. 1951. 16 C15
As an insecticide.
- 60268 BISHOPP, F. C. Present pesticide laws are ample. *Agr. Chem.* 6(6):55,57. June 1951. 381 Ag8
With particular reference to insecticides.
- 60269 BONNEMAISON, L. Les insecticides télétoxiques ou "systémiques." France. Min. de l'Agr. B. Tech. d'Inform. 1951:223-226. Ref. Mar. 1951. 14 F844B
- 60270 BOTTGER, G. T., and YERINGTON, A. P. Comparative toxicity of tetraethyl dithiopyrophosphate, tetraisopropyl pyrophosphate, and parathion. *J. Econ. Ent.* 44:261-262. Apr. 1951. 421 J822
Tests with *Paratetranychus citri*, *Macrosiphum pisi*, *Altica ambiens*, *Cirphis unipuncta*, *Oncopeltus fasciatus*, and *Tetranychus bimaculatus*.
- 60271 BOVINGDON, H. H. S. Persistence of benzene hexachloride as an insecticide on lime-washed surfaces. *Nature [London]* 167:734. May 5, 1951. 472 N21
- 60272 BRANNON, D. H. Latest recommendations on insecticides for cattle. Wash. State Col. Ext. Mimeog. 981,9 p. 1951? 275.29 W27Mi
- 60273 BRAUNS, A. Die schmarotzerinsekten bei der bekämpfung wirtschaftlicher schädlinge. *Gesunde Pflanzen* 3:30-32. Feb. 1951. 464.8 G33
- 60274 BRONSON, T. E., and RUST, R. E. Mist sprays for control of certain truck crop insects. *J. Econ. Ent.* 44:218-220. Apr. 1951. 421 J822
Empoasca fabae and Epitrix cucumeris on potatoes; Pieris rapae, Trichoplusia ni, and Plutella maculipennis on cabbage; Thrips tabaci on onion.
- 60275 CALZECCHI-ONESTI, A. The strawberry. VII. (In Italian.) *Gior. di Agr.* 61:123-124. Apr. 22, 1951. 16 It1G
This part deals with insect pests.
- 60276 CAPPLEMAN, L. J. Insect control in balanced cotton production; answer to profitable cotton yields lies in community cooperation. (Condensed.) *East Tex.* 25(8):6,13,16. May 1951. 6 Ea73
- 60277 CARLSON, J. W. Discussion—insects in relation to alfalfa seed setting. *Alfalfa Impr. Conf. Rpt.* 12:54-55. 1950. 1.9 P691Rep
Harmful and beneficial insects.
- 60278 CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Currant and gooseberry pest control guide, 1951, by F. D. Johanson, W. T. Brigham, and E. M. Stoddard. Storrs, 1951. 1 p. 275.29 C76Cu
- 60279 CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Grape spray guide, 1951, by F. D. Johanson, P. Garman, and M. Stoddard. Storrs, 1951? 1 p. 275.29 C76Gr
- 60280 CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Pear spray guide, 1951, by F. D. Johanson, P. Garman, and E. Stoddard. Storrs, 1951. 3 p. 275.29 C76Ps
- 60281 CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Reduced spray schedule, 1951, by F. D. Johanson and P. Garman. Storrs, 1951. 1 p. 275.29 C76Rs
- 60282 CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Strawberry pest control guide, 1951, by F. D. Johanson, W. T. Brigham, and E. M. Stoddard. Storrs, 1951. 2 p. 275.29 C76St
- 60283 CONNELL, W. A., and CATTS, E. P., JR. Insecticide tests on tomatoes in 1950. *Del. State Bd. Agr. B.* 40(5):61-73. 1951. 2 D37B
- 60284 CONWAY, T. Pests and diseases of fruit trees in New Zealand. *New Zeal. J. Agr.* 82:159-164. Feb. 1951. 23 N48J
- 60285 COTTON, R. T., and WALKDEN, H. H. Fumigation of large bulks of sorghum grain. *Down to Earth* 7:6-7. Summer 1951. 381 D75
For insect control.
- 60286 CUFF, R. L. Quick death for profit-stealers. *Successful Farming* 49(7):42-43,101-102. July 1951. 6 Su12
Livestock and poultry pests.
- 60287 CUTKOMP, L. K. Insecticides for the garden, for the home, for the field. *Minn. U. Agr. Ext. B.* 263, 23 p. Apr. 1951. 275.29 M66S
- 60288 CYPRUS. DEPT. OF AGRICULTURE. Annual report 1950. Appendix III. Annual report of the Entomologist for 1950, by H. M. Morris. *Nicosia?* 1950. 9 p. 21 C99
- 60289 DECKER, G. C. Pesticide lack means an inadequate food supply. *Agr. Chem.* 6(6):38-40. June 1951. 381 Ag8
For insect and disease control.
- 60290 DICK, J. Insect pests in Natal cane. 3: Coleoptera, Lepidoptera and mites. *So. African Sugar J.* 35:169,171,173,175,177. Ref. Mar. 1951. 65.8 So8
- 60291 DIGGLE, W. M., and GAGE, J. C. Cholinesterase inhibition by parathion (p-nitrophenyldiethylthio-phosphate). *Biochem. J.* 48:xxv. Feb. 1951. 382 B52
- 60292 DINELLI, D., and CINELLI, E. The insecticidal action of calcium cyanamide. (In Italian.) *Chim. e l'Indus.* 33:125-128. Ref. Mar. 1951. 385 G43
- 60293 DORMAL, S. Contrôle biologique des insecticides. Méthodes de laboratoires standardisées aux U. S. A. *Parasitica* 6:43-50. 1950. 464.8 P21
- 60294 EDWARDS, G. R. Insect pests of vegetable crops. V. Insect pests of tomatoes. *So. Austral. Dept. Agr. J.* 54:343-348. Feb. 1951. 23 So84
- 60295 ENNS, W. R., and BURK, V. F. Controlling cotton insect pests. *Mo. Agr. Col. Ext. Folder* 11,4 p. Jan. 1951. 275.29 M69FoL
- 60296 EWING, K. P., GUNTER, A. C., and JOHNSTON, H. G. USDA experts advise on insect situation. *Cotton Digest* 23(38):5. June 9, 1951. 286.82 C822
- 60297 FARRAR, M. D. Insecticides in fertilizers. *Assoc. Amer. Fert. Control Off. Off. P.* 4:58-64. Nov. 1950. 57.9 As7
- 60298 FEINSTEIN, L., HANNAN, P. J., and MCCABE, E. T. Extraction of alkaloids from tree tobacco. *Indus. & Engin. Chem.* 43:1402-1403. Ref. June 1951. 381 J825
- 60299 FENNAH, R. G. Some new insecticides. *Agr. Soc. Trinidad & Tobago. Proc.* 50:377,379,381-383,385-387,389-391. Dec. 1950. 8 T73
- 60300 FERGUSON, G. R. Survey on the incidence of fabric pest damage and recommended control measures. *Pest Control* 19(6):12,14,16. June 1951. 449.8 Ex8
Clothes moths, carpet beetles (*Attagenus piceus*, *Anthrenus* spp.), and others.
- 60301 FJELDDALEN, J., and GJAERUM, H. B. Brief advice on the most important pests and fungus diseases of vegetables and potatoes. (In Norwegian.) *Kolonihagen* 21:11-14. Feb. 1951. 80 K83
- 60302 FRANKENBERG, G. V. Tiere der heimat als tarnkünstler; mimikry — selbstbeobachtet. *Orion* 6:120-124. Feb. 1951. 474 Or4
- 60303 FRIEDERICH, J. C. Pest control in the culture of flax. (In Dutch.) *Nieuwe Veldbode* 17:387. Mar. 8, 1951. 12 V542N
Insects and weeds.
- 60304 FULTON, R. A. Supplemental list of publications on liquefied-gas aerosols. *U. S. Bur. Ent. & Plant Quar.* E-814,5 p. Jan. 1951. 1.9 En83
- 60305 GERASIMOVA, A. I. Measures for alfalfa pest control in the steppe zone of RSFSR. (In Russian.) In *U.S.S.R. Ministerstvo sel'skogo khozjaistva. Travoseiānie i semenovodstvo mnogoletnikh trav*, p.610-613. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 60306 GERSDORF, E. Schädlingbekämpfer als beruf. Hannoversche Land- u. Forstwirt. Ztg. 103:891. Oct. 7, 1950. 18 H194
- 60307 GÖTZ, B. Knospenzerstörer an reben. *Bauern Ztg.* 4(17):7. (Concl.) Apr. 27, 1951. 18 B324
Insect pests in Germany.
- 60308 GRIFFITHS, J. T., STEARNS, C. R., JR., and THOMPSON, W. L. Parathion hazards encountered spraying citrus in Florida. *J. Econ. Ent.* 44:160-163. Apr. 1951. 421 J822
- 60309 GRIVANOV, K. P. Agricultural [insect] pests of perennial grasses and legumes and measures for their control in the South-East [of U.S.S.R.]. (In Russian.) In *U.S.S.R. Ministerstvo sel'skogo khozjaistva. Travoseiānie i semenovodstvo mnogoletnikh trav*, p.591-597. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 60310 GUNTHER. Pappelschädlinge und ihre bekämpfung. *Forstwirt., Holzwirt.* 4:195-200. July 1, 1950. 99.8 F7793
- 60311 HADAWAY, A. B., and BARLOW, F. Sorption of solid insecticides by dried mud. *Nature [London]* 167:854. May 26, 1951. 472 N21
- 60312 HALL, D. G. The insect situation for the 1951 season. *Agr. Leaders' Digest* 32(6):9. June 1951. 275.28 Am3
- 60313 HAMILTON, C. C. Gladiolus pests. *No. Amer. Gladiolus Council. B.* 25:97. Mar. 1951. 96.43 N81
Insects.
- 60314 HANSON, D. Here's how to control legume insects. *Successful Farming* 49(7):38,98-100. July 1951. 6 Su12

- 60315 HARDT, W. Chemie und schädlinge. Deut. Landwirt. Presse 74:101-102. Apr. 21, 1951. 18 D482 Insecticides.
- 60316 HAUSNER, F. Einiges über die wichtigsten schädlinge und krankheiten des beerenobstes. Obst u. Gart. 5:105. July 1950. 80 Ob75
- 60317 HAUSNER, F. Schädlinge im gemüsebau. Obst u. Gart. 5:124. Aug. 1950. 80 Ob75
- 60318 HAUSNER, F. Schädlinge und krankheiten im obstbau. Obst u. Gart. 5:157-158. Oct. 1950. 80 Ob75
- 60319 HELLER, R. C. The use of aircraft and aerial photography in forest insect surveys. (Abs.) Ent. Soc. Wash. Proc. 53:112-113. Apr. 1951. 420 W27
- 60320 HERMS, W. B. Medical entomology, with special reference to the health and well-being of man and animals. Ed. 4. New York, Macmillan, 1950. 643 p. 422 H422M
- 60321 HOLDSWORTH, R. P. Fifth column of the forage land. Du Pont Mag. 45(3):12-13. June/July 1951. 309.8 D92
- Insect control.
- 60322 HOYT, A. S. Need for continued research for pesticides. Agr. Chem. 6(6):30,105,107. June 1951. 381 Ag8
- Insect control.
- 60323 HUMMER, R. W., and KENAGA, E. E. Structural and insecticidal relationships in rotenone, methoxychlor, and DDT. Science 113:653-655. June 8, 1951. 470 Sci2
- 60324 INGHAM, G. A. Parathion—preparation, properties and use. Chem. Canada 3:90-93. Ref. May 1951. 381 C4236
- 60325 JONES, G. D. New rules for controlling tobacco insects. Prog. Farmer, Carolinas-Va. Ed. 66(5): 62. May 1951. 6 P945
- 60326 KARNATZ, H. Erfahrungen mit der schädling-bekämpfung in wildlingskulturen. Obstbauversring. Mitt. 1950:66-67. June 1/15, 1950. 85 J76
- 60327 KEARNS, H. G. H. Recent research and development in sprays and spraying of apples and pears; D.D.T. as a substitute for winter washing and the role of automatic spraying. Worcestershire Agr. Chron. 19:113, 115, 117, 119, 121. Feb./May 1951. 10 W892
- 60328 KEEL, M. H. Aldrin and dieldrin are insect killers. Better Farming Methods 23(6):44, 46-47. June 1951. 58.8 B46
- 60329 KERR, T. W., JR. Several injurious ornamental and shade tree insects and their control. J. Econ. Ent. 44:234-240. Apr. 1951. 421 J822
- Chalepus dorsalis, Hyphantria cunea, Anisota senatoria, Phenacaspis pinifoliae, Lecanium fletcheri, Pulvinaria floccifera, Lecanium coryli, and L. querciflex.
- 60330 KNOWLTON, G. F., EDGECOMBE, S. W., and SORENSON, C. J. Official Utah fruit spray recommendations for 1951. Utah. State Agr. Col. Ext. B. 228, 20 p. Mar. 1951. 275.29 Utl
- 60331 KOLOBOVA, A. N. Agricultural pests of perennial grasses and legumes and measures for their control in Ukraine. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travo-seianie i semenovodstvo mnogoletnikh trav, p.598-604. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 60332 KUITERT, L. C. Control of the insect pests of Camellias. Amer. Camellia Ybk. 1950:261-269. 97.31 Am32
- 60333 LAAN, P. A. VAN DER. The danger of applying organic phosphorus compounds as insecticides in Indonesian agriculture. (In Dutch.) Econ. Weekbl. v. Indonesië 17:182. Mar. 17, 1951. 280.8 Ec76
- 60334 LEIBY, R. W. Parathion and related insecticides. Amer. Agr. 148:246-247. Apr. 21, 1951. 6 Am3
- 60335 LEKANDER, M. Skogsinsekternas uppträdande i Sverige under tiden 1741-1945. Les invasions d'insectes dans les forêts de la Suède pendant les années 1741-1945. Sweden. Stat. Skogsforskinst. Meddel. 39(5), 207 p. 1950/51. 99.9 Sw32
- French summary.
- 60336 MCDONNELL, C. C. Insecticide laws—up-to-date. Soap & Sanit. Chem. 27(5):110-111, 113, 115, 135. May 1951. 307.8 So12
- 60337 MACKENZIE, J. M. D. Control of forest populations. Q. J. Forestry 45:95-102. Ref. Apr. 1951. 99.8 Q2
- Chiefly insects.
- 60338 MCMAHON, H. Insect pests of alfalfa in the northern seed growing districts of western Canada. Alfalfa Impr. Conf. Rpt. 12:52-53. 1950. 1.9 P691Rep
- 60339 MANSON, G. F. Tobacco insect report for 1950-1951. Canada. Expt. Farms. Tobacco Div. Lighter 21(2):11-19. May 1951. 286.89 C16
- Canada.
- 60340 MARGOLD, F. Häuteschädlinge und deren bekämpfung. Leder 1:281-287. Ref. Dec. 1950. 303.8 L492
- Insect pests.
- 60341 MATT, J. Sommerspritzungen sind nötig! Bauern Ztg. 4(18/19):4. May 11, 1951. 18 B324
- Control of insects and diseases of fruit.
- 60342 MAYFIELD, P. Results of spray tolerance hearings. Del. State Bd. Agr. B. 40(5):117-123. 1951. 2 D37B
- 60343 MINDERHOUD, A. The "fixation areas" of insects in relation to plant breeding. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:61-70. Feb. 1951. 86 N384
- English summary.
- 60344 MOISEEV, N. E. Pests of crested wheatgrass [Agropyron cristatum] control measures. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travo-seianie i semenovodstvo mnogoletnikh trav, p.631-634. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 60345 MONRO, H. A. U. Insect pests in cargo ships. Canada. Dept. Agr. P. 855, 45 p. Jan. 1951. 7 C16Pu
- 60346 MONTANA. AGRICULTURAL EXPERIMENT STATION. Montana insect pests, 1949-1950; thirty-third report of the State entomologist. Mont. Agr. Expt. Sta. B. 474, 35 p. Jan. 1951. 100 M76
- 60347 MONTE, G. DAL. Campaign against warehoused wheat parasites. (In Italian.) Molini d'Italia 1:97-98, 151-152, 154-155, 250, 252-253. (Cont.) June-July/Aug., Oct. 1950. 298.8 M73
- English summary.
- 60348 MORISON, G. D. Insect and other pests of 1949. Roy. Highland & Agr. Soc. Scot. Trans. (ser.5)62: 46-64. 1950. 10 H536
- 60349 MOYNIHAN, P., and O'COLLA, P. The application of paper chromatography to the analysis of chlorinated organic insecticides. Chem. & Indus. 21:407. May 26, 1951. 382 M31C
- 60350 MULRENNAN, J. A. A half century of progress in the field of medical entomology in the State of Florida. Fla. Ent. 34:43-47. June 1951. 420 F662
- 60351 NAKAGAWA, Y. Insecticides and fungicides; an analysis of their uses. Hawaii Farm & Home 14(4): 44-47. Apr. 1951. 25 H3191
- 60352 OTANES, F. Q. The most important insect pests of vegetables or truck crops and their control. Philippines Bur. Plant Indus. Farmers' C. 4, rev., 11p. 1951. 25 P54Fc
- 60353 OWENS, H. W. Progress in pest control. Fruit & Veg. Rev. 13(3):14-15, 26. June 1951. 80 C1224
- Insect pests.
- 60354 PFLUGFELDER, O. Zooparasiten und die reaktionen ihrer wirtstiere. Jena, Fischer, 1950. 198 p. 436 P48
- Includes ticks, mites and insects.
- 60355 PINTO SALVATIERRA, J. Desinfección de granos, fumigantes y camaras de fumigación. Agr. Venezol. 15(148):31-33. Dec. 1950. 9.95 Ag8
- For insect control.
- 60356 PIPER, D. E., HALL, R. H., and WRIGHT, G. F. Chemistry of insect repellency. (Abs.) Chem. Canada 3: 97-98. May 1951. 381 C4236
- 60358 PLANET, N. The problem of poisoning by modern insecticides commonly used in agriculture. (In Portuguese.) Biológico 17:33-36. Feb. 1951. 442.8 B529
- 60359 PORTER, B. A. Present trends in pecan insect control. Soeast. Pecan Growers Assoc. Proc. 44:74-75, 77-78. 1951. 94.69 G29
- 60360 PUSH button control of flying insects. Rohm & Haas Rptr. 9(2):11-14. Mar./Apr. 1951. 386 R632
- Use of aerosols.
- 60361 PUSTOVOIT, A. F. On the importance of plowing anew the old alfalfa in pest control. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travo-seianie i semenovodstvo mnogoletnikh trav, p.614-615. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 60362 RADELEFF, R. D. New insecticides and you - the rancher. Sheep & Goat Raiser 31(8):56-57. May 1951. 45.8 Sh3
- 60363 REISINGER. Obstgartenbesitzer, baumschulbetriebe u. obstbaumhändler—unkennntnis der gesetzte schützt vor strafe nicht! Kärntner Bauer 101:85-86. Feb. 15, 1951. 19 K14
- Insect control.
- 60364 RIPPER, W. E. Insect control and the new systemic insecticide for hops. Inst. Brewing. J. 57:119-122. Mar./Apr. 1951. 390.9 In7
- Pestox 3.
- 60365 RIPPER, W. E. The outlook for systemic insecticides. Citrus Grower 207:9, 11-12. Apr. 30, 1951. 80 C495

- 60366 RITT, A. E. What does cut-rate pricing mean to the pest control industry? *Pest Control* 19(6):9-10. June 1951. 449.8 Ex8
- 60367 ROARK, R. C. A digest of information on chlordane. *U. S. Bur. Ent. & Plant Quar. E-817*, 132 p. Apr. 1951. 1.9 En83
- 60368 ROBERTS, B. Agricultural chemicals playing important role in producing all crops. *Better Farms* 10 (11):6. May 1951. 6 B462
Insecticides and fungicides.
- 60369 ROHDE, G. Über insektenlockstoffe. *Deut. Landwirt.* 2:266-267. May 1951. 18 D4822
- 60370 ROMANO, E. Dehalogenation by reduction in an acid medium of chlorinated organic insecticides. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 38, 12 p. 1950. 105.4 R66
- 60371 ROMANO, E. The evaporation of DDT and chlordane exposed to light. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 43, 4 p. 1950. 105.4 R66
- 60372 ROMANO, E. On the analysis of chlordane. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P.* 26, 12 p. 1950. 105.4 R66
English summary.
- 60373 SCHRAG, L. Fighting insects with insects. *Canad. Countryman* 40(7):30-31. Apr. 14, 1951. 7 C833
- 60374 SCHWARZ, E. Ein neuer schädling an der tanne im Wienerwald. *Osterr. Vrtljahresschr. f. Forstw.* 91: 114. 1950. 99.8 Oe8
- 60375 SCHERBINOVSKIĬ, N. S. Agricultural [insect] pests of perennial legumes and grasses and measures for their control. (In Russian.) In *U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav*, p.587-591. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 60376 SHERMAN, F., III. A sensible program for the control of peach insects. *Mich. State Hort. Soc. Annu. Rpt.* 80:76-77. 1950, pub. 1951. 81 M58
- 60377 SIMON, M. More meat. (In Portuguese.) *Fazenda* 46(4):38, 40. Apr. 1951. 6 H11P
Livestock pest control with Esso Livestock Insecticide A (toxaphene).
- 60378 SMIT, B. The spread of harmful and beneficial insects in Africa. (Sum.) *So. African J. Sci.* 47:266. Apr. 1951. 515 S84
- 60379 SOMERS, R. K. Pest control problems in Federally inspected meat packing establishments. *Assoc. Food & Drug Off. U. S. Q. B.* 15:72-74. Apr. 1951. 389.9 As7Q
Includes insect pests.
- 60380 SPENCER, C. B. Do you plan insect control? *Future Farmer* 23(10):8. May 1951. 4 F983
- 60381 STILLER, G. Der gehalt an wasserlöslichem arsen in den heute handelsüblichen bleiarsen-präparaten. *Obstbauversring. Mitt.* 1950:75-76. July 1/15, 1950. 85 J76
- 60382 THEIMER, K. Die gelbölle als winterspritzmittel. *Obst u. Gart.* 5:171. Nov. 1950. 80 Ob75
- 60383 THOMAS. Schädlingbekämpfung beim getreide. *Deut. Landwirt.* 2:275. May 1951. 18 D4822
Insect pests of stored grain.
- 60384 THOMPSON, W. R. A catalogue of the parasites and predators of insect pests. Sect. 1, Parasite host catalogue. Pt. 11, Parasites of the Neuroptera, Odonata, Orthoptera, Psocoptera, Siphonaptera, and Thysanoptera. *Ottawa, Commonwealth Bur. of Biol. Control*, 1950. 35 p. 423 Im7
- 60385 TOMLINSON, W. E., JR. Control of insect larvae infesting immature blueberry fruit. *J. Econ. Ent.* 44:247-250. Apr. 1951. 421 J822
Mineola vaccinii, *Grapholitha packardii*, and *Conotrachelus nenuphar*.
- 60386 TORRES, J. DI P. Control household insects. (In Portuguese.) *Lavoura* 54:47. Sept./Oct. 1950. 9.2 L39
- 60387 TUNBLAD, B. Useful insects in fruit culture. (In Swedish.) *Sveriges Pomol. För. Fruktdiaren* 1951: 16-19. 86 Sv2F
- 60388 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Allethrin accepted for use in gas-propelled aerosols. *Washington*, 1950. 1 p. 1.967 A2AL5
- 60389 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Ethylene dibromide fumigation approved as a condition for certification of certain fruits and vegetables under Hawaiian Fruit and Vegetable Quarantine No. 13. *U. S. Bur. Ent. & Plant Quar. B. E. P. Q.* 592, 2 p. Apr. 20, 1951. 1.9 F73
- 60390 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The more important forest insects in 1950—a summary. *U. S. Bur. Ent. & Plant Quar. Insect Pest Survey. Spec. Sup.* 1951(4), 14 p. May 7, 1951. 1.9 En831B
- 60391 VARLAMOV, M. A. Pests and diseases of alfalfa and measures for their control in Middle Asia. (In Russian.) In *U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav*, p.605-609. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32
- 60392 WADE, J. S. A selected bibliography of the insects of the world associated with sugar cane, their predators and parasites. *Honolulu*, 1951. 113 p. (Internatl. Soc. Sugar Cane Technol. Mem. 1) 65.9 In84M
- 60393 WELCH, C. L. Control cotton insects in '51. *Farm & Ranch—South. Agr. Upper So. Ed.* 81(5):9, 23. May 1951. 6 T31
- 60394 WELLENSTEIN, G. Wirtschaftlichste verfahren der chemischen schädlingbekämpfung im walde. *Forst-wirt., Holzwirt.* 4:202-205. July 1, 1950. 99.8 F7793
Chiefly insects.
- 60395 WESTCOTT, C. The insect pests of roses. *Rose Soc. Ontario. Ybk.* 1950:46-58. 82 R72
- 60396 WHITE, A. N. Insects attacking cotton. *Tex. Farming & Citricult.* 27(11):2. May 1951. 80 T31
- 60397 WHITNALL, A. B. M. The fight against some important insect pests in South Africa. *Plant Protect. Overseas Rev.* 2(2):10-14. Apr. 1951. 464.8 P69
- 60398 WILSON, G. F. Systemic insecticides. *Roy. Hort. Soc. J.* 76:165-168. Ref. May 1951. 84 L84J
- 60399 WORTHINGTON, D. For insect control: aerial dusting and spraying cotton will pay dividends to the planter. *Cotton Digest* 23(34):10. May 12, 1951. 286.82 C822

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- 60400 ANDERSON, E. J. The why and how of temperature and humidity in the hive. *Pa. Beekeeper* 26: 19. Mar. 1951. 424.8 P38
- 60401 ANDERSON, S. Safe and sane swarm capture. *Gleanings Bee Cult.* 79:347-348. June 1951. 424.8 G47
- 60402 BITTER, B. A., SPOON, W., and SESSELER, W. M. Bijenteelt op de Nederlandse Antillen en kwaliteit van de honing. (Apiculture in the Netherlands Antilles). *Indisch Inst. Afr. Trop. Prod. Ber.* 229, 11 p. Oct. 1950. 503 Am82B
English summary.
- 60403 BOIADZHI, G. KH. For large-scale beekeeping farms on collective farms. (In Russian.) *Pchelovodstvo* 27:670-672. Dec. 1950. 424.8 P295
- 60404 BONE, D. Our grandfathers and the winter problem. I. *Bee Craft* 33:71-72. Apr. 1951. 424.8 B3925
- 60405 BRIZARD, A. Essais de traitement de la loque européenne par les sulfones et par la streptomycine: résultats. *Rev. de Méd. Vét. [Toulouse]* 102:24-27. Jan. 1951. 41.8 R32
- 60406 CABEZAS, J. Acariasis. *Ganadería [Madrid]* 9:77-78. Feb. 1951. 49 G15
- 60407 CONDAMIN, A. Un nouveau rayon pour les ruches d'abeilles. *Fruits et Primeurs de l'Afrique du Nord* 21:177. May 1951. 80 F9482
- 60408 CROSMAN, R. Better bees being bred through artificial insemination. *Food Canada* 11(3):36, 38. Mar. 1951. 389.8 F7323
- 60409 CURY, R. Diseases, anomalies and accidental occurrences peculiar to queen bees. (In Portuguese.) *Biologico* 17:27-32, 50-54. Feb.-Mar. 1951. 442.8 B529
- 60410 DITIĀKIN, F. Mikhail Aleksandrovich Dernov (on the 30th anniversary of his death). (In Russian.) *Pchelovodstvo* 27:693-694. Dec. 1950. 424.8 P295
His contributions to apiculture.
- 60411 DIXON, G. F. "The man who makes the honey" Malta, 1950. *Bee Craft* 33:67-70. Apr. 1951. 424.8 B3925
- 60412 DOPPEL'MAIR, A. A. Heating and construction of cells for honeybee colonies. (In Russian.) *Pchelovodstvo* 27:685-686. Dec. 1950. 424.8 P295
- 60413 DUNHAM, W. E. Pollen substitute builds stronger bee colonies. *Ohio Farm & Home Res. [Ohio Sta.]* 36:26-27. Mar./Apr. 1951. 100 Oh3S
- 60414 DYMENT, J. N., and MONTEITH, E. Beekeeper: Canadian census classification, agricultural. *Toronto*, 1950. 4 p. (V.G.C. Occup. Inf. Monog.) 424 D992
- 60415 EAST, L. M. Women beekeepers and queen bees. *West. Canada Beekeeper* 14(6):7-8, 10. June 1951. 424.8 W525
- 60416 EGIN, S. V. On transferring of honey by honeybees. (In Russian.) *Pchelovodstvo* 27:691. Dec. 1950. 424.8 P295
- 60417 EREMIN, A. V. On catching bee queens. (In Russian.) *Pchelovodstvo* 27:687. Dec. 1950. 424.8 P295

- 60418 GALAKHIN, A. Construction of Southern-Ukrainian and Northern-Crimean canals [for irrigation] opens up wide prospects for apiculture. (In Russian.) *Pchelovodstvo* 27:672-673. Dec.1950. 424.8 P295
- 60419 HOCKING, B. Bee behaviour and bee forage. *West. Canada Beekeeper* 14(6):3-4,6. June 1951. 424.8 W525
- 60420 ILTON, C. D. American foul brood; how to detect the disease. *Austral. Bee J.* 32:38-39. Feb.1951. 424.8 V66
- 60421 IVANOV, A. I. Testing of horizontal and two-story hives. (In Russian.) *Pchelovodstvo* 27:684. Dec. 1950. 424.8 P295
- Colony management.
- 60422 JAKEL, F. Die bedeutung der bienenzucht für die landwirtschaft. *Landwirtschaft* 1951:22-23. Jan.1951. 19 L235
- Austria.
- 60423 JOHNSON, L. H. Improved methods of queen rearing. *New Zeal. J. Agr.* 82:140-142. Feb.1951. 23 N48J
- 60424 JONES, L. G. Increased production of alfalfa seed through honey-bee pollination. *Alfalfa Impr. Conf. Rpt.* 12:38-40. 1950. 1.9 P691Rep
- 60425 KANAIEV, I. I. On the presence of many queens in a honeybee colony. (In Russian.) *Priroda* 39(11):61. Nov 1950. 410 P933
- 60426 KRASNOV, D. M. Summer mortality of honeybees from honeydew. (In Russian.) *Pchelovodstvo* 27:688. Dec.1950. 424.8 P295
- 60427 LAIOK, V. D. All year round maintenance of honeybees in buildings. (In Russian.) *Pchelovodstvo* 27:691-692. Dec.1950. 424.8 P295
- 60428 LAPI, E. The mother bee. (In Italian.) *Terra [Firenze]* 62(10):3. Mar.11,1951. 16 T274
- 60429 LETNIKOV, B. New cage for [rearing] queens. (In Russian.) *Pchelovodstvo* 27:653-654. Dec.1950. 424.8 P295
- 60430 L'HELIAS, C. Expériences de ligatures chez la larve d'Apis mellifica. *Soc. de Biol. Compt. Rend.* 145:233-234. Feb.1951. 442.9 P21
- Study of metamorphosis.
- 60431 LIASHCHENKO, E. A. Wintering of honeybees at the apiaries of the leaders. (In Russian.) *Pchelovodstvo* 27:641-644. Dec.1950. 424.8 P295
- 60432 LUNDER, R. Poisoning of bees through spraying with insecticides and hormone preparations. (In Norwegian.) *Kolonihagen* 21:34-35. Feb.1951. 80 K83
- 60433 MAINELLI, M. Toward the season for apiculture. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:90-91. Mar.31,1951. 16 C72
- 60434 MANLEY, R. O. B. Pollination of fruit. *Gleanings Bee Cult.* 79:364. June 1951. 424.8 G47
- 60435 MITROPOL'SKIĬ, A. On accounting at apiaries. (In Russian.) *Pchelovodstvo* 27:674-675. Dec.1950. 424.8 P295
- 60436 MOISEEV, K. V. Humidity conditions in the honeybee cell. (In Russian.) *Pchelovodstvo* 27:645-647. Dec.1950. 424.8 P295
- 60437 MOMMERS, J. Honeybees as pollinators of fruit trees. *Bee World* 32:41-44. Ref. June 1951. 424.8 B399
- 60438 MURR, F. H. Die biene im baum. *Obst u. Gart.* 5:151. Oct.1950. 80 Ob75
- Beehives.
- 60439 MURRAY, H., and THOMPSON, D. Your friend, the honey bee. *Wis. Country Mag.* 44(8):10-11,16,18. May 1951. 276.8 St9
- 60440 NIEMCZUK, R. A contribution to the diagnosis of the diseases of bees. (In Polish.) *Med. Weter.* 7:129-130. Feb.1951. 41.8 M463
- 60441 NOVIKOV, V. Toward further development of apiculture. (In Russian.) *Pchelovodstvo* 27:668-669. Dec.1950. 424.8 P295
- 60442 OTANES, F. Q. Beekeeping in the Philippines. *Philippines. Bur. Plant Indus. Digest* 13(12):2-8,12. Dec.1950. 25 P544P
- 60443 OTTO, F. T. Das honigbuch; die gewinnung, behandlung und bewertung des honigs. Ed. 5, rev. Leipzig, Leipziger Bienenzeitung, 1950. 100 p. 424 Ot8H
- 60444 POLOZENKO, I. A permanent calendar [for beekeepers]. (In Russian.) *Pchelovodstvo* 27:629. Dec. 1950. 424.8 P295
- 60445 POPOV, V. I. Again on two-story management of honeybees. (In Russian.) *Pchelovodstvo* 27:686-687. Dec.1950. 424.8 P295
- 60446 PURSEY, M. Know your bees. XIV. *Bee Craft* 33:74. Apr.1951. 424.8 B3925
- Blood, heart, diaphragms, circulation.
- 60447 RAHMLow, H. J. Crie algunas reinas este verano. *Agr. Austral* 19(216):34-36. Jan.1951. 9.3 Ag842
- 60448 RAYNES, P. M. Section comb honey production; the double brood chamber method reduces swarming. *Gleanings Bee Cult.* 79:340-341. June 1951. 424.8 G47
- 60449 REICHERT, G. Les abeilles et le froid. *Réveil Agr.* 60:17-18. Jan.15,1951. 14 R322
- 60450 ROBERTS, W. C., and MACKENSEN, O. Breeding improved honey bees. *Gleanings Bee Cult.* 79:335-337. (To be cont.) June 1951. 424.8 G47
- 60451 ROZOV, S. A. Apiculture and apiculturists in literature, painting and music. (In Russian.) *Pchelovodstvo* 27:695-700. Dec.1950. 424.8 P295
- 60452 SAPUNTsov, E. V. On the control of robbing by honeybees. (In Russian.) *Pchelovodstvo* 27:688-689. Dec.1950. 424.8 P295
- 60453 SCHILDER, O. Naturbau oder zwangsbau? *Niedersächs. Bienenfr.* 1951:45-48. Mar.1951. 424.8 N552
- 60454 SHAW, F. R. Are you interested in beekeeping? *Gleanings Bee Cult.* 79:365. June 1951. 424.8 G47
- 60455 SOLANO, R. Cuando deben renovarse las reinas. *Cult. Mod.* 34:48. Feb.1951. 15 C89
- 60456 SOLANO, R. Inseminación artificial en los apiarios. *Cult. Mod.* 34:93-94. Mar.1951. 15 C89
- 60457 TASKIN, K. Closing up the cracks with battens. (In Russian.) *Pchelovodstvo* 27:690-691. Dec. 1950. 424.8 P295
- To keep beehives warm.
- 60458 THRAILKILL, B. G. Busy little seed-makers. *Iowa Farm & Home Register* 1951:3H-4H. May 6,1951. 6 Io94
- Pollination by honey bees increases legume seed yield.
- 60459 TODD, F. E. Problems in the use of honey bee pollinators in alfalfa. *Alfalfa Impr. Conf. Rpt.* 12:41-46. 1950. 1.9 P691Rep
- 60460 TURNBULL, W. H. Beekeeping in British Columbia. *Gleanings Bee Cult.* 79:329-334. June 1951. 424.8 G47
- 60461 VAN TOL FILHO, P. L. The enemies of bees. (In Portuguese.) *Seleç. Agr.* 6(58):51-53. Feb.1951. 9.2 Se4

ARACHNIDA, MYRIAPODA, ETC.

- 60462 BEAMENT, J. W. L. The structure and formation of the egg of the fruit tree red spider mite, *Tetranychus ulmi* Koch [i.e. *Paratetranychus pilosus* (C. & F.)]. *Ann. Appl. Biol.* 38:1-24. Ref. Mar.1951. 442.8 An72
- 60463 BOUBALS, D., and HUGLIN, P. L'acarbose. *Prog. Agr. et Vitic.* 1951:272-277. May 20/27,1951. 14 P94
- Caused by *Phyllocoptes vitis* and *Epitrimerus vitis*.
- 60464 BREAKEY, E. P., and PROPP, H. The spinose ear tick [*Otobius megnini*] in Washington. *Pan-Pacific Ent.* 27:59-60. Apr.1951. 421 P193
- On cattle.
- 60465 EADS, R. B., and HIGHTOWER, B. G. Ectoparasites taken from Texas goats. *J. Econ. Ent.* 44:287. Apr.1951. 421 J822
- Haemaphysalis leporis-palustris*; *Ixodes tovari*; *Otobius megnini*; *Dermacentor variabilis*; *Linognathus africanus*; *Bovicola caprae*.
- 60466 FLETCHER, F. W. Ovotran Wettable a new miticide for shade trees. *Trees* 11(4):8. Ref. May/June 1951. 99.8 W52
- Preparation containing p-chlorophenyl-p-chlorobenzene sulfonate.
- 60467 FOGGIE, A. Studies on the infectious agent of tick-borne fever in sheep. *J. Path. & Bact.* 63:1-15. Ref. Jan.1951. 448.8 J82
- Rickettsia phagocytophila*, transmitted by *Ixodes ricinus*.
- 60468 FOSTER, C. Red mite [*Dermanyssus gallinae*] offensive is due to start. *Poultry [London]* 108:390. May 15,1951. 47.8 P869
- 60469 GENTNER, L. G. Spider mite control. (Sum.) *West. Fruit Grower* 5(3):18-19. Mar.1951. 95.8 G762
- Tetranychus bimaculatus*, *T. willamettei*, and *Paratetranychus pilosus*.
- 60470 GREEN, J., and WILKINSON, W. Mites on insects of Skokholm Island. *Ent. Mon. Mag.* 87:143-146. May 1951. 421 En86
- 60471 HUCKETT, H. C. Tests of acaricides for control of the two-spotted spider mite [*Tetranychus bimaculatus*] on lima beans on Long Island. *J. Econ. Ent.* 44:192-196. Apr.1951. 421 J822

- 60472 LIPNICKI, J. Diseases of the group "Rocky Mountain spotted fever" (RMSF). (In Polish.) Med. Weter. 7:15. Jan.1951. 41.8 M463
List of diseases with their tick vectors.
- 60473 LIPOVSKY, L. J. Collembola as food for chiggers (Acarina: Trombiculidae). J. Parasitol. 37:324-326. June 1951. 448.8 J824
Trombiculids of several genera reared in company with *Sinella curviseta*.
- 60474 LONGANECKER, D. S. Laboratory and field studies on the biology of the relapsing fever tick vector (*Ornithodoros hermsi* Wheeler) in the high mountains of California. Amer. J. Trop. Med. 31:373-380. May 1951. 448.8 Am33
- 60475 MARTIN, D. F. Scorpions. Pest Control 19(6): 18,20. June 1951. 449.8 Ex8
- 60476 MORLAN, H. B. Notes on the genus *Gigantolaelaps* and description of a new species, *Gigantolaelaps cricetidarius* (Acarina: Laelaptidae). J. Parasitol. 37: 273-279. June 1951. 448.8 J824
- 60477 NAJERA, L., and MAYER, H. F. Valoración experimental de algunos insecticidas en cuanto a sus acciones sobre el Argas persicus Oken, 1818. Rev. Ibérica de Parasitol. 11:61-74. Jan.1951. 436.8 R32
English summary.
- 60478 OSBURN, M. R. Tests with several new insecticides for control of mites [*Tetranychus bicoloriae*] and the black pecan aphid [*Melanocallis caryaefoliae*]. Soeast. Pecan Growers Assoc. Proc. 44:67-69,71. 1951. 94.69 G29
- 60479 PRITCHARD, A. E. Orchid mites and their control. Orchid Digest 15:68-70. Mar./Apr.1951. 80 Or172
Tenuipalpus, *Brevipalpus*, and *Tetranychus*.
- 60480 PRITCHARD, A. E. Toxaphene for mite control. Calif. Agr. [Calif. Sta.] 5(5):9,15. May 1951. 100 C12Cag
- 60481 READ, W. H., and WAIN, R. L. The ovicidal activity of some phenyltrichloromethylcarbinols and their esters towards eggs of the glasshouse red spider mite (*Tetranychus telarius* L.). J. Sci. Food & Agr. 2:204-207. Ref. May 1951. 382 So12
- 60482 REICH, Die rote spinne [*Paratetranychus pilosus*?]. Obstbauversring. Mitt. 1950:96-98. Sept.1/15, 1950. 85 J76
- 60483 REZNIK, P. A. On the connection between tick dissemination and migration of their hosts. (In Russian.) Priroda 39(12):59-60. Ref. Dec.1950. 410 P933
- 60484 ROESLER, R. Schädliches auftreten von spinnmilben an obstbäumen in der Pfalz (Tetranychidae, Acar.). Anz. f. Schädlingk. 24:68. Ref. May 1951. 421 An9
Paratetranychus pilosus, *Bryobia praetiosa*, *Tetranychus* spp.
- 60485 SEWELL, M. T. Pore canals in a spider cuticle. Nature [London] 167:857-858. May 26,1951. 472 N21
- 60486 SMITH, F. F., and FULTON, R. A. Two-spotted spider mite [*Tetranychus bimaculatus*] resistant to aerosols. J. Econ. Ent. 44:229-233. Apr.1951. 421 J822
- 60487 WALLACE, P. P. Octamethylpyrophosphoramide. J. Econ. Ent. 44:224-228. Apr.1951. 421 J822
Systemic insecticide effective against *Tetranychus bimaculatus*.
- 60488 WORTH, C. B., and RICKARD, E. R. Evaluation of the efficiency of common cotton rat ectoparasites in the transmission of murine typhus. Amer. J. Trop. Med. 31:295-298. May 1951. 448.8 Am33
Liponissus bacoti and *Polygenis gwyni*.
- 60492 BARDIA BARDIA, R. El gorgojo de las flores del manzano. Cult. Mod. 34:96-97. Mar.1951. 15 C89
Anthonomus pomorum in Spain.
- 60493 BEAL, R. S., JR. Habitats of species of *Novelsis* (Coleoptera: Dermestidae). Pan-Pacific Ent. 27: 57. Apr.1951. 421 P193
- 60494 BIRCH, L. C., PARK, T., and FRANK, M. B. The effect of intraspecific and interspecific competition on the fecundity of two species of flour beetles [*Tribolium confusum* and *T. castaneum*]. Evolution 5:116-132. Ref. June 1951. 443.8 Ev62
- 60495 BLAKE, D. H. Synonymies and new species of flea-beetles (Coleoptera, Chrysomelidae). Ent. Soc. Wash. Proc. 53:138-147. June 1951. 420 W27
New species in *Distigmoptera*, *Hermaeophaga*, *Cyrsylus*, and *Argopistes*.
- 60496 BÖHM, H. Apfelblütenstecherbekämpfung [*Anthonomus pomorum*] mit winterspritzmitteln? Pflanzenarzt 4(3):3. Mar.1.1951. 464.9 P482
- 60497 BROWN, W. J. The American species of *Phratora* Chev. (Coleoptera: Chrysomelidae). Canad. Ent. 83:121-130. Ref. May 1951. 421 C16
- 60498 CARLSON, E. C., LANGE, W. H., JR., and SCIARONI, R. H. Cabbage seedpod weevil [*Ceutorhynchus assimilis*] new enemy of seed crops of brussels sprouts and other members of mustard family can be controlled. Calif. Agr. [Calif. Sta.] 5(5):10,15. May 1951. 100 C12Cag
- 60499 CORKINS, J. P. To control alfalfa weevil [*Hypera postica*] kill the adult---early. Mont. Farmer - Stockman 38(16):26-27. Apr.15,1951. 6 M764
- 60500 CRAIG, R., and OLSON, N. A. Rate of circulation of the body fluid in adult *Tenebrio molitor* Linnaeus, *Anasa tristis* (de Geer), and *Murgantia histrionica* (Hahn). Science 113:648-650. Ref. June 8,1951. 470 Sci2
- 60501 CREMER, M. Alarm kartoffelkäfer; gamma-nexit und gamma-spritz-nexit helfen. Landfrau 6(10):12-13. May 1951. 18 L2337
Leptinotarsa decemlineata.
- 60502 CROWSON, R. A. The classification of the families of British Coleoptera. Ent. Mon. Mag. 87:147-156. (Cont.) May 1951. 421 En86
Dermestoidea and Bostrychoidea.
- 60503 ENGEL, H. Erfahrungen bei der kartoffelkäferbekämpfung [*Leptinotarsa decemlineata*] in der Oberrheinebene. Gesunde Pflanzen 3:24-26. Feb.1951. 464.8 G33
- 60504 EWING, K. P., GUNTER, A. C., and JOHNSTON, H. G. Texas insect situation: USDA recommends early season controls for weevils [*Anthonomus grandis*] and thrips. Cotton Digest 23(36):16. May 26,1951. 286.82 C822
- 60505 FABER, W. Versuche zur drahtwurmbekämpfung durch saatgutbeizung mit hexamitteln. Pflanzenschutzberichte 6:17-26. Ref. Jan.1951. 464.9 P48
English summary.
- 60506 FAHNEY, H. Zur räusselfäher- und bastkäferbekämpfung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:667-668. May 3,1951. 18 L2346
Hylobius abietis and *Hylastes* spp.
- 60507 GOERTZ, Über lebensweise, vermehrung und schadwirkung des kleinen pappelbocks [*Saperda populnea*]. Allg. Forstz. 6:221-223. May 16,1951. 99.8 AL52
- 60508 GOULD, G. E., and MOSES, H. E. Lesser mealworm [*Alphitobius diaperinus*] infestation in a brooder house. J. Econ. Ent. 44:265. Apr.1951. 421 J822
- 60509 GRAHAM, C. Control of curculio [*Conotrachelus nenuphar*] and insects causing cat-facing on peaches. Del. State Bd. Agr. B. 40(5):112-116. 1951. 2 D37B
- 60510 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH LABORATORY. The common furniture beetle [*Anobium punctatum*]. Gt. Brit. Dept. Sci. & Indus. Res. Forest Prod. Res. Lab. L. 8,rev.,8 p. Ref. Mar.1950. 99.9 G796L
- 60511 GREEN, J. W. The Lycidae of the United States and Canada. III. The tribe Platerodini (in part) (Coleoptera). Amer. Ent. Soc. Trans. 77:1-20. Mar. 1951. 420 P53
Includes new species in *Eropterus* n.g. and *Pseudo-plateros* n.g.
- 60512 GRESSITT, J. L. Longicorn beetles from New Guinea and the South Pacific (Coleoptera: Cerambycidae). Ent. Soc. Amer. Ann. 44:1-30. Mar.1951. 420 En82
Includes new species in *Osphryon*, *Distenia*, *Hyphus*, *Tetraommatus*, *Hoplocerambyx*, *Nyphasia*, *Ceresium*, *Examnes*, *Tethionea*, *Iphrobrium*, *Iphra*, *Uracanthus*, *Syllitus*, and *Epania*.
- 60513 HAGET, A. Mise en évidence d'un pouvoir régulateur de l'ectoblaste dans le germe du coléoptère *Leptinotarsa*. Acad. des Sci. Compt. Rend. 232:1446-1448. Apr.9,1951. 505 P21

COLEOPTERA

- 60489 ALLEN, A. A., and LLOYD, R. W. *Pyrrhidium sanguineum* L. (Col., Cerambycidae) as a British species. Ent. Mon. Mag. 87:157-158. May 1951. 421 En86
- 60490 ARNETT, R. H., JR. A revision of the Nearctic *Oedemeridae* (Coleoptera). Amer. Midland Nat. 45: 257-391. Ref. Mar.1951. 410 M58
Includes new species in *Oxaxis* and *Alloxaxis*; also the new subgenera *Oxycopis* and *Paroxaxis* in *Oxaxis* and the new genus *Eumecomera*.
- 60491 BALFOUR-BROWNE, F. The water beetles found in the counties of Cheshire, Flintshire, Denbighshire, Caernarvonshire, Anglesey, Merionethshire and Montgomeryshire. Chester Soc. Nat. Sci. Lit. & Art Proc. 1949:81-134. Ref. 1950. 501 C41
Halipilidae, *Dytiscidae*, *Gyrinidae*, and *Hydrophilidae*.

- 60514 HELFER, J. R. A new subspecies of *Meta-taenia* (Coleoptera: Buprestidae). *Pan-Pacific Ent.* 27: 94-96. Apr. 1951. 421 P193
- 60515 HEMER, M. Drahtwurmschäden bei Getreide und Rüben. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A: 586. Apr. 19, 1951. 18 L2346
- 60516 HENDRIX, N. J. The grain ground beetle (*Zabrus tenebrioides* Goeze). (In Dutch.) *Tijdschr. over Plantenziekten* 57:35-37. Jan./Feb. 1951. 464.8 T44
- 60517 HOLLOWAY, J. K., and HUFFAKER, C. B. The role of *Chrysolina gemellata* in the biological control of Klamath weed. *J. Econ. Ent.* 44:244-247. Apr. 1951. 421 J822
- 60518 HURPIN, B. Les pontes multiples chez le hanneton commun (*Melolontha melolontha* L.) 1. Évolution d'une population naturelle dans un site déterminé. *Acad. d'Agr. de France. Compt. Rend.* 37:195-197. 1951. 14 P215Bc
- 60519 HUTSON, R. The outlook for curculio [*Conotrachelus nenuphar*] in 1951. *Mich. State Hort. Soc. Annu. Rpt.* 80:8-11. 1950, pub. 1951. 81 M58
- 60520 JAMESON, H. R., THOMAS, F. J. D., and TANNER, C. C. The control of wireworm by gamma benzene hexachloride: the development of a seed dressing for cereals. *Ann. Appl. Biol.* 38:121-134. Mar. 1951. 442.8 An72
- 60521 KAMP, H. J. Der Lärchenbock [*Tetropium gabrieli*]; ein für Württemberg neuer Holzschädling. *Holz-Zentbl.* 77:15. Jan. 6, 1951. 99.81 H742
- 60522 LANGFORD, G. S., SQUIRES, D. W., and DOZIER, B. H. The relative efficiency of some insecticides for Japanese beetle [*Popillia japonica*] control. *J. Econ. Ent.* 44:197-201. Apr. 1951. 421 J822
- 60523 LA RIVERS, I. Nevada Dytiscidae (Coleoptera). *Amer. Midland Nat.* 45:392-406. Ref. Mar. 1951. 410 M58
- 60524 LEBEDEV, D. V. Tagged atoms in investigation of movement of soil insects. (In Russian.) *Priroda* 39(12):56-57. Dec. 1950. 410 P933
- Ctenicera aereipennis destructor with radioactive cobalt tracers.
- 60525 LECLERCQ, J. Ecologie et physiologie des populations de *Tenebrio molitor* L. (Insecte, Coléoptère). *Physiol. Compar. et Oecologia* 2:161-180. Ref. Dec. 30, 1950. 444.8 P56
- English summary.
- 60526 LOOSJES, F. E. Control experiments against *Otiorrhynchus* [i.e. *Brachyrhinus*] *sulcatus* L. noxious to *Cyclamens*. (In Dutch.) *Tijdschr. over Plantenziekten* 57: 38-42. Jan./Feb. 1951. 464.8 T44
- English summary.
- 60527 LORDELLO, L. G. E. Notes on *Macroductylus pumilio* Burm., 1855, and *Pelidnota* (*Pelidnota*) *pallidipennis* Bates, 1904. (Col., Scarabaeidae). (In Portuguese.) *Rev. de Agr. [Piracicaba]* 26:109-116. Mar./Apr. 1951. 9.2 R324
- English summary.
- 60528 MACSWAIN, J. W. A new genus of Meloidae [*Linsleya*] from North America. *Pan-Pacific Ent.* 27:58. Apr. 1951. 421 P193
- 60529 MACSWAIN, J. W. New North American species of *Nemognatha* and *Zonitis* (Coleoptera, Meloidae). *Pan-Pacific Ent.* 27:72-80. Ref. Apr. 1951. 421 P193
- 60530 MARIN H., C. Presencia del picudo del algodónero en Colombia (*Anthonomus grandis* Bohm). *Agr. Trop.* 7(4):29-32, 34. Apr. 15, 1951. 26 Ag8
- 60531 MENDES, L. O. T. Determination of the biotic potential of the coffee berry borer - *Hypothenemus* (i.e. *Stephanoderes*) *hampei* (Ferr.) - and considerations on the growth of its population. V. Coefficient of survival, a function of the density of population. (In Portuguese.) *Acad. Bras. de Cien. An.* 22:409-418. Dec. 31, 1950. 516 R473A
- 60532 MIDDLEKAUFF, W. W. Field studies on the bionomics and control of the broad bean weevil [*Bruchus rufimanus*]. *J. Econ. Ent.* 44:240-243. Apr. 1951. 421 J822
- 60533 MONTE, G. DAL. Can we tell whether wheat is latently infested by weevils? (In Italian.) *Molini d'Italia* 1:334-336. Dec. 1950. 298.8 M73
- English summary.
- Sitophilus granarius* and *S. oryza*.
- 60534 MUTZ, H. Über das auftreten des dickmaulrüsslers *Otiorrhynchus* [i.e. *Brachyrhinus*] *ovatus* L. als schädling der erdbeeren (*Fragaria*). *Anz. f. Schädlingssk.* 24:70-74. Ref. May 1951. 421 An9
- 60535 NEISWANDER, C. R. Duration of the effectiveness of lead arsenate applied to turf for white grub [*Phyllophaga* spp., *Cyclocephala borealis*] control. *J. Econ. Ent.* 44:221-224. Apr. 1951. 421 J822
- 60536 OTANES, F. Q., and KARGANILIA, L. T. The rice weevil (*Sitophilus oryzae* L.). Philippines. *Bur. Plant Indus. Plant Indus. Digest* 13(12):13-14. Dec. 1950. 25 P544P
- 60537 PARMENTIER, P. Producteurs de pommes de terre luttent contre le taupin qui déprécie vos récoltes. *Terre Nouvelle* 98:5. May 5, 1951. 281.8 T272
- Agriotes* spp.
- 60538 PEARCE, E. J. Further considerations on the speciation within the genus *Biblopectus* Reitter (Col., Pselaphidae). *Ent. Mon. Mag.* 87:136-138. May 1951. 421 En86
- 60539 PRATER, L. J. Battle of the beetles [*Dendroctonus engelmanni*]. *Amer. Forests* 57(6):18-21. June 1951. 99.8 F762
- 60540 PUSSARD, R. Observations biologiques sur *Rhytidoderes plicatus* OL. (Col. Curculionide). *Soc. de Biol. Compt. Rend.* 145:37-39. Jan. 1951. 442.9 P21
- 60541 RATKOVICH, M. Forma de combatir el gorgojo del tomate [*Phyrdenus muriceus*]. *Campo [Tacuba]* 19(707):78-79. (To be cont.) Jan. 31, 1951. 8 C157
- 60542 RITCHER, P. O. Are you growing beans or beetles [*Epilachna varivestis*]. *Res. & Farming [N. C. Sta.]* 9(3):3-4. Winter 1951. 100 N81R
- 60543 ROBINSON, M. A new species of *Uroxys* from Peru (Coleoptera: Scarabaeidae). *Ent. News [Philadelphia]* 62:167. (Cont.) May 1951. 421 En88
- 60544 ROBERT, P. Les pontes multiples chez le hanneton commun [*Melolontha melolontha*] 2. Obtention de pontes successives au laboratoire. *Acad. d'Agr. de France. Compt. Rend.* 37:197-199. 1951. 14 P215Bc
- 60545 ROTH, L. M., and WILLIS, E. R. Hygroreceptors in adults of *Tribolium* (Coleoptera, Tenebrionidae). *J. Expt. Zool.* 116:527-570. Ref. Apr. 1951. 410 J825
- 60546 SANDERSON, M. W. A new record and two new species [in *Chalepus* and *Xenochalepus*] of North American Hispinae (Coleoptera Chrysomelidae). *Ent. Soc. Wash. Proc.* 53:160-163. June 1951. 420 W27
- 60547 SCHWERTDFEGER, F. Zur chemischen bekämpfung des kleinen pappelbocks (*Saperda populnea* L.). *Allg. Forstz.* 6:223. May 16, 1951. 99.8 AL52
- 60548 SEIXAS, C. A. Why coffee attacked by *Stephanoderes hampei*? (In Portuguese.) *São Paulo Supt. dos Serv. do Café B.* 26:133-134. Feb. 1951. 68.29 Sa63
- 60549 STEARNS, L. A., and DAVIS, J. G. Curculio- and mite-control studies in 1950. *Del. State Bd. Agr. B.* 40(5):104-112. 1951. 2 D37B
- Conotrachelus nenuphar* on peaches and *Paratetranychus pilosus* on apples.
- 60550 STEPANOV, K. M. Can the bark beetle, *Hypothenemus lezhavai*, disseminate the infectious drying up of lemons ("Mal secco")? (In Russian.) *Mikrobiologiya* 20:52-57. Jan./Feb. 1951. 448.3 M582
- Caused by *Deuterophoma tracheiphila*.
- 60551 THÉODORIDÈS, J. Observations et remarques sur l'écologie des nécrophores (Coleoptera Silphidae). *Physiol. Compar. et Oecologia* 2:107-125. Ref. Dec. 30, 1950. 444.8 P56
- English summary.
- Necrophorus* spp.
- 60552 WASSERBURGER, H. J. Erfahrungen in der Kornkäferbekämpfung. *Deut. Landwirt.* 2:269-270. May 1951. 18 D4822
- Sitophilus granarius*.
- 60553 WEAVER, C. R. Clover leaf weevil [*Hypera punctata*]. *Ohio Farm & Home Res. [Ohio Sta.]* 36:29. Mar./Apr. 1951. 100 Oh3S
- 60554 WERNER, F. G. Additions to the Nearctic Meloidae (Coleop.). *Psyche* 57:131-136. Dec. 1950. 421 P95
- New species in *Epicauta* and *Lytta*.
- 60555 WHITEHEAD, G. B. Some observations on the life history of the ladybird beetle, *Chilocorus solitus*, Muls. *So. African J. Sci.* 47:293-296. May 1951. 515 So84
- 60556 WOODCOCK, D., and STRINGER, A. The insecticidal activity of parathion, its isomers and some related compounds. *Ann. Appl. Biol.* 38:111-120. Mar. 1951. 442.8 An72
- Tests with *Sitophilus granarius*.

DIPTERA

- 60557 ACZÉL, M. L. Proposed addition of the generic name "Tylos" Meigen, 1800 (class Insecta, order Diptera) to the "Official list of generic names in zoology" and of "Micropeza" Meigen, 1803, to the "Official index of rejected and invalid generic names in zoology." *B. Zool. Nomencl.* 2:156-160. May 4, 1951. 410 B874
- With comments by J. Smart and A. Stone.

- 60558** ARCHETTI, I. Flies and poliomyelitis. (In Italian.) Riv. di Parassitol. 12:59-60. Jan. 1951. 436.8 R52
- 60559** ARNAUD, P. H. Notes on the range extension of *Adejeania vexatrix* (Diptera: Tachinidae or Larvaevoridae) into Wyoming and British Columbia. Ent. News [Philadelphia] 62:192. June 1951. 421 En88
- 60560** AUDCENT, H. L. F. Midnight flies. Ent. Mon. Mag. 87:133. May 1951. 421 En86
Diptera taken at lights.
- 60561** BARBOSA, F. A. S. A change of specific name in the genus *Culicoides* (Diptera, Heleidae). Ent. Soc. Wash. Proc. 53:163. June 1951. 420 W27
C. diminutus for *C. wokei* Barbosa, not Fox.
- 60562** BÖSIGER, E. Isolement sexuel entre deux souches de *Drosophila melanogaster*. Experimentia 7:178-179. May 15, 1951. 475 Ex7
- 60563** BOUGHTON, D. C. There's no market for fat flies! West. Livestock J. 29(32):37,116,119,122. May 15, 1951. 6 F2278
Control of flies and other cattle pests.
- 60564** BOX, H. E. Some considerations upon the dipterous parasites of the sugar cane moth borer, *Diatraea saccharalis* (Fabr.). Asoc. de Téc. Azucareros de Cuba. Proc. 23:17-27. 1949. 65.9 As5
Lixophaga diatraeae, *Metagonistylum minense*, *Paratheresia*, and *Leskiopalpus*.
- 60565** BROOKS, A. R. Identification of the root maggots (Diptera: Anthomyiidae) attacking cruciferous garden crops in Canada, with notes on biology and control. Canad. Ent. 83:109-120. May 1951. 421 C16
- 60566** BROUGHTON, A. To keep cows "free of flies". Wis. Agr. & Farmer 78(10):4. May 19, 1951. 6 W751
- 60567** BRUCE, W. N., and DECKER, G. C. Tabanid [*Tabanus sulcifrons*, etc.] control on dairy and beef cattle with synergized pyrethrins. J. Econ. Ent. 44:154-159. Apr. 1951. 421 J822
- 60568** BURCH, T. A. Onchocerciasis, the blinding filariasis. (Abs.) Ent. Soc. Wash. Proc. 53:114-115. Apr. 1951. 420 W27
Onchocerca volvulus, transmitted by *Simulium* spp.
- 60569** CARSON, H. L. Breeding sites of *Drosophila pseudoobscura* and *Drosophila persimilis* in the transition zone of the Sierra Nevada. Evolution 5:91-96. Ref. June 1951. 443.8 Ev62
- 60570** CASTIGLIONI, M. C. First results of the transplantation of normal eye disks in *Drosophila melanogaster* so. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:642-644. Apr./May 1950. 442.8 So12
- 60571** CAVACEPPI, L. The knowledge of the ancients concerning flies in the "De Animalibus Insectis" of Ulisse Aldrovandi. (In Italian.) Riv. di Parassitol. 12:60-64. Jan. 1951. 436.8 R52
- 60572** CLEMENTS, A. N. The use of the prosternum in classifying Asilidae (Diptera). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 20:10-14. Feb. 20, 1951. 420 L84Pb
- 60573** COFFEY, J. H. Location & community fly control. Pest Control 19(5):18,20,36. May 1951. 449.8 Ex8
- 60574** COLAÇO, A. T. F. Control of Glossina. (In Portuguese.) Portugal. Agência Geral das Colón. B. Geral das Colón. 26(311):59-70. (Cont.) May 1951. 264 Ag3
- 60575** COLLIN, J. E. The British species of the genus *Palloptera* Fallén (Diptera). Ent. Rec. & J. Variation 63(5,sup.):1-6. May 1951. 421 En89
- 60576** COLLIN, J. E. A new species of *Diadelops* Collin (Diptera: Anthomyzidae) from Fiji. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 20:47-48. Apr. 16, 1951. 420 L84Pb
- 60577** CORBO, S. The housefly chiefly responsible for infant mortality due to gastroenteric diseases. (In Italian.) Riv. di Parassitol. 12:37-45. Jan. 1951. 436.8 R52
English summary.
- 60578** CORKINS, J. P. You can control grubs if you take plenty of time and do a good job. Mont. Farmer-Stockman 38(11):14,16. Feb. 1, 1951. 6 M764
- 60579** CUFF, R. Easier way to kill flies; new spraying tricks and better mixtures point to worksaving pest control in the dairy barn. Successful Farming 49(6):102, 104-105. June 1951. 6 Su12
- 60580** CUFF, R. L. Effective fly control can add \$20 per head in beef cattle gains. Natl. Live Stock Prod. 29(8):6,16. May 1951. 280.38 N21
- 60581** CUNHA, A. B. DA, DOBZHANSKY, T., and SOKOLOFF, A. On food preferences of sympatric species of *Drosophila*. Evolution 5:97-101. June 1951. 443.8 Ev62
- 60582** DALMAT, H. T. Notes on the Simuliidae (Diptera) of Guatemala, including descriptions of three new species [in *Simulium*]. Ent. Soc. Amer. Ann. 44:31-58. Ref. Mar. 1951. 420 En82
- 60583** DEAN, R. W. Evaluation of some new insecticides for apple maggot [*Rhagoletis pomonella*] control. J. Econ. Ent. 44:147-153. Apr. 1951. 421 J822
- 60584** DECKER, G. C., and BRUCE, W. N. Where are we going with fly resistance? Soap & Sanit. Chem. 27(6):139,141,143,159. June 1951. 307.8 So12
- 60585** DEFOLIART, G. R. A comparison of several repellents against blackflies [Simuliidae]. J. Econ. Ent. 44:265-266. Apr. 1951. 421 J822
- 60586** DEMEREC, M., ed. Biology of *Drosophila*. New York, Wiley, 1950. 632 p. 428 D392
- 60587** DETHIER, V. G. Chemical senses of the blowfly *Phormia regina*. (Abs.) Ent. Soc. Wash. Proc. 53:168. June 1951. 420 W27
- 60588** DEVITT, A. B. Scabrin—new fly killer. Herb Grower Mag. 5:17-18. Jan. 1951. 80 Am316
From *Heliopsis scabra*.
- 60589** DEYRAS, O. L'hypodermose bovine. Chambre d'Agr. de Casablanca. B. 22(240):23-24. Apr. 1951. 24 C26
Hypoderma bovis.
- 60590** DILLS, L. E., and ODLAND, M. L. How new insecticides control cabbage maggot [*Hyalemya brassicae*]. Mkt. Growers J. 80(4):26-27. Apr. 1951. 6 M34
- 60591** EDDY, G. W. Toxicity of some organic insecticides to screw-worm [*Callitroga americana*] larvae. J. Econ. Ent. 44:254. Apr. 1951. 421 J822
- 60592** FAIRCHILD, G. B. The generic names for Tabanidae (Diptera) proposed by Adolfo Lutz. Psyche 57:117-127. Ref. Dec. 1950. 421 P95
- 60593** FALES, J. H., and others. Insecticidal effectiveness of aerosols and sprays containing esters of synthetic cyclopentenolones with natural chrysanthemum monocarboxylic acid. J. Econ. Ent. 44:250-253. Apr. 1951. 421 J822
R. H. Nelson, R. A. Fulton, and O. F. Bodenstein, joint authors.
- Tests with *Musca domestica* and *Anopheles quadrimaculatus*.
- 60594** FITZGERALD, O. A. Flies haven't licked us! Oreg. Farmer 74:281. Apr. 19, 1951. 6 Or32
- 60595** FREEMAN, P. The British species of *Tasio-cera* Skuse (Diptera: Tipulidae). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 20:29-36. Ref. Apr. 16, 1951. 420 L84Pb
- 60596** FREY, W. Über das auftreten der minierfliege *Phytomyza rufipes* Mg. an raps. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 58:10-20. Ref. Jan./Feb. 1951. 464.8 Z3
- 60597** FRICK, K. E. *Liriomyza langei*, a new species of leaf miner of economic importance in California (Diptera: Agromyzidae). Pan-Pacific Ent. 27:81-88. Ref. Apr. 1951. 421 P193
Pest of peas.
- 60598** FROST, M. H., JR. The seed-corn maggot [*Hyalemya cilicrura*] in melons. Crop Comments 4(5):4. Mar. 1951. 57.8 C88
- 60599** GALLO, D. Introduction of *Lixophaga diatraeae* in our area. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:117-126. Mar./Apr. 1951. 9.2 R324
For control of *Diatraea saccharalis*.
- 60600** GHELELOVITCH, S. Caractéristiques différentielles de trois souches de drosophiles à tumeurs (*Drosophila melanogaster* Meig.). Acad. des Sci. Compt. Rend. 232:1600-1602. Apr. 23, 1951. 505 P21
- 60601** GHELELOVITCH, S. Influence de l'inanition sur la manifestation d'une tumeur héréditaire chez la drosophile (*Drosophila melanogaster*). Acad. des Sci. Compt. Rend. 232:1776-1778. May 7, 1951. 505 P21
- 60602** GOMES, J. Control "orange flies" [*Ceratitis capitata*] (In Portuguese.) Lavoura 54:42. Sept./Oct. 1950. 9.2 L39
- 60603** HAAS, J. N. Cytoplasmic growth in the muscle fibres of larvae of *Drosophila melanogaster*. Growth 14:277-294. Ref. Dec. 1950. 442.8 G91
- 60604** HARDY, D. E. The Krauss collection of Australian fruit flies (Tephritidae—Diptera). Pacific Sci. 5:115-196. Ref. Apr. 1951. 475 P11
Includes new species in *Dacus*, *Euphranta*, *Hendelina* (new name for *Pseudopheniscus* Hendel 1913), and *Rioxa*; also *Heterodaculus*, new subgenus in *Dacus*.
- 60605** HARDY, D. E. Proposed addition to the "Official list of generic names in zoology" of the generic name "Philia" Meigen, 1800 (class Insecta, order Diptera). B. Zool. Nomencl. 2:153-155. May 4, 1951. 410 B874
With discussion by M. L. Aczél and A. Stone.

- 60606 HARDY, G. H. The phylogeny of Diptera. Ent. Mon. Mag. 87:140-141. May 1951. 421 En86
- 60607 HARRISON, C. M. Inheritance of resistance to DDT in the housefly, *Musca domestica* L. Nature [London] 167:855-856. May 26, 1951. 472 N21
- 60608 HEMMING, F. Report on the procedure proposed by the International Commission on Zoological Nomenclature to put an end to the confusion in the nomenclature of the order Diptera (class Insecta) resulting from the controversy regarding the generic names published by Meigen in 1800 in his "Nouvelle classification des mouches à deux ailes": first instalment of applications. B. Zool. Nomencl. 2:131-133. May 4, 1951. 410 B874
- 60609 HINTON, T., ELLIS, J., and NOYES, D. T. An adenine requirement in a strain of *Drosophila*. Natl. Acad. Sci. Proc. 37:293-299. May 1951. 500 N21P
- 60610 HODGES, D. R. Let's declare war on flies. Bow'an Arrow, Prod. Ed. 7(3):6. May/June 1951. 44.8 B672
- On the dairy farm.
- 60611 HOEPPLI, R. Some rare forms of human parasitic infection of interest to the physician in China. Chin. Med. J. 68:221-238. Ref. July/Aug. 1950. 448.8 C44
- Includes myiasis.
- 60612 JOHNSTONE, I. L. Studies on lamb-marking dressings for the prevention of fly-strike. Austral. Vet. J. 27:53-58. Mar. 1951. 41.8 Au72
- Development of "Borocit," repellent to blowflies.
- 60613 KLASSEN, C. W., and WILLIAMS, J. D. Four years of fly control at the Illinois State Fair. Pub. Works 82(5):43-45. May 1951. 290.8 M922
- 60614 KOLTERMANN. 1950, ein halmfliegen-jahr. Gesunde Pflanzen 3:33,36-37. Feb. 1951. 464.8 G33
- Chlorops pumilionis.
- 60615 KOLTERMANN. Warum enttäuschen vielfach die winterwelzen-erträge? Hannoversche Land- u. Forstwirt. Ztg. 104:53. Jan. 20, 1951. 18 H194
- Chlorops sp. as a pest.
- 60616 LANGE, W. H., JR., CARLSON, E. C., and CORRIN, W. R. Seed treatments for control of the seed-corn maggot [*Hylemya ciliicrura*] in northern California. J. Econ. Ent. 44:202-208. Apr. 1951. 421 J822
- 60617 LAURENCE, B. R. Diptera (Stratiomyidae and Tipulidae) in Bedfordshire. Ent. Rec. & J. Variation 63:95-97. May 1951. 421 En89
- 60618 LEBANON. SERV. DES RECHERCHES AGRICOLES. Rapport sur l'étude biologique du *Dacus oleae*. Essais de controle a Choueifat (Liban), par Adel Abou-Nasser. Beyrouth, 1951. 172 p. 428 L493
- 60619 LINDQUIST, A. W., and others. Use of radioactive tracers in studies of penetration and metabolism of DDT in houseflies. J. Econ. Ent. 44:167-172. Apr. 1951. 421 J822
- A. R. Roth, W. W. Yates, R. A. Hoffman, and J. S. Butts, joint authors.
- 60620 MARTELLI, G. M. New method of controlling the olive fly [*Dacus oleae*]. (In Italian.) Italia Agr. 88: 223-228. Apr. 1951. 16 It1
- 60621 MEDVEDEVA, G. B., and NECHAEV, I. A. Hereditary changes of physiological characteristics in *Drosophila melanogaster*. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 18:247-259. Ref. 1950. 442.9 P44
- 60622 MEHLS, H. J., and HOLL, W. Dasselbekämpfungsversuche beim rind durch perorale hexachlorcyclohexan-gaben. Berlin u. Münch. Tierärztl. Wchnschr. 1951:69-70. Apr. 1951. 41.8 B45
- Hypoderma control.
- 60623 MELLO, M. J. The incidence of the genus *Gastrophilus* in Brazil. (In Portuguese.) Biológico 17:16-17. Jan. 1951. 442.8 B529
- 60624 MISSIROLI, A. Insecticide resistance of some races of *Musca domestica*. (In Italian.) Riv. di Parassitol. 12:5-25. Ref. Jan. 1951. 436.8 R52
- English summary.
- 60625 MOSNA, E. On the resistance of house flies to chlordane. (In Italian.) Riv. di Parassitol. 12:27-36. Jan. 1951. 436.8 R52
- English summary.
- 60626 NERI, I. Effects of temperature on the action of some contact insecticides on *Musca domestica*. (In Italian.) Riv. di Parassitol. 12:53-57. Ref. Jan. 1951. 436.8 R52
- English summary.
- Tests with chlordane, DDT, dieldrin, and EM40 (a methoxychlor preparation).
- 60627 PRITCHARD, A. E. The North American gall midges of the tribe Lestremiini; Itonididae (Cecidomyiidae); Diptera. Calif. U. P. Ent. 8:239-275. Ref. 1951. 500 C125E
- Includes new species in *Anarete*, *Gongromastix*, *Wasmaniella*, *Conarete* n.g., and *Anarete*; also new genera *Allarete* and *Pararete*.
- 60628 PUSCH, J. Die bekämpfung der dasselfliege. Deut. Landwirt. Presse 74:75-76. Mar. 17, 1951. 18 D482
- Hypoderma.
- 60629 RAPP, W. F., JR. Proposed use of the plenary powers to validate the generic name "Pipunculus" Latrille, (1802-1803) (class insecta, order Diptera). B. Zool. Nomencl. 2:140-149. May 4, 1951. 410 B874
- Includes short notes and comments by H. Oldroyd, A. Stone, D. E. Hardy, M. L. Aczél, and J. Smart.
- Dorilas* vs. *Pipunculus*.
- 60630 REICHMUTH, W. Warum versagt DDT bei manchen fliegen? Umschau 51:140-141. Mar. 1, 1951. 474 Um7
- 60631 RIES, S. K. Onion maggot [*Hylemya antiqua*] meets its master. Mkt. Growers J. 80(5):38-39. May 1951. 6 M34
- 60632 ROTH, V. D. New records for Streblidae and Nycteribiidae (Diptera: Pupipara). Pan-Pacific Ent. 27: 96. Apr. 1951. 421 P193
- 60633 SABROSKY, C. W. Application for the use of the plenary powers to validate the generic name "Chlorops" Meigen, 1803 (class Insecta, order Diptera). B. Zool. Nomencl. 2:134-139. May 4, 1951. 410 B874
- Titania* vs. *Chlorops*.
- With discussion by F. Hemming, H. Oldroyd, and J. Smart.
- 60634 SABROSKY, C. W. A revision of the Nearctic species of the genus *Gaurax* (Diptera, Chloropidae). Amer. Midland Nat. 45:407-431. Mar. 1951. 410 M58
- 60635 SACCA, G. Experiments in crossing *Musca domestica* L., *M. vicina* MQ., and *M. nebulosa* F. (In Italian.) Riv. di Parassitol. 12:47-52. Jan. 1951. 436.8 R52
- English summary.
- 60636 SACKTOR, B. Some aspects of respiratory metabolism during metamorphosis of normal and DDT-resistant house flies, *Musca domestica* L. Biol. B. 100: 229-243. Ref. June 1951. 442.8 B52
- 60637 SAVEL'EV, D. V., and BREEV, K. A. Planning measures for the control of cattle grub [*Hypoderma bovis* and *H. lineatum*]. (In Russian.) Sovet. Zootekh. 6:86-91. Jan. 1951. 49 So822
- 60638 SEMENZA, L. First results of the interaction of some genes for the wing in *Drosophila*. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:641-642. Apr./May 1950. 442.8 So12
- 60639 SMART, J. Proposed use of the plenary powers to validate the generic name "Chironomus" Meigen, 1803 (class Insecta, order Diptera). B. Zool. Nomencl. 2:150-153. May 4, 1951. 410 B874
- With objection by A. Stone.
- Tendipes* vs. *Chironomus*.
- 60640 SMITH, G. A. Robber fly, bearded bandit. Nat. Mag. 44:298. June/July 1951. 409.6 N214
- Erax rufibarbis*.
- 60641 TIRELLI, M. New control methods for fruit and cherry flies. (In Italian.) Terra e Sole 105:180. May 1951. 16 T273
- Ceratitis capitata* and *Rhagoletis cerasi*.
- 60642 TISCHLER, W. Mücken und fliegen; alte plagegeister im lichte neuer beobachtungen. Umschau 51:138-139. Mar. 1, 1951. 474 Um7
- 60643 TOMLINSON, W. E., JR. Influence of temperature on emergence of the blueberry maggot [*Rhagoletis pomonella*]. J. Econ. Ent. 44:266-267. Apr. 1951. 421 J822
- 60644 WEBER, G. Ein beitrag zur bekämpfung der kirschfliege (*Rhagoletis cerasi*). Anz. f. Schädlingk. 24: 69-70. May 1951. 421 An9
- 60645 WHEELER, M. R. *Dettopsomyia* and *Ptilomyia*: two genera new to the United States (Diptera: Drosophilidae; Ephydriidae). Pan-Pacific Ent. 27:92-94. Apr. 1951. 421 P193
- 60646 WINTREBERT, P. La loi de recapitulation génétique et la recherche du passé, dans l'ontogenèse, par la voie des mutations provoquées. Acad. des Sci. Compt. Rend. 232:1885-1888. May 21, 1951. 505 P21
- Chiefly in *Drosophila*.
- 60647 WIRTH, W. W. The genus *Culicoides* in Alaska (Diptera, Heleidae). Ent. Soc. Amer. Ann. 44:75-86. Mar. 1951. 420 En82
- 60648 WIRTH, W. W. A new mountain midge from California (Diptera: Deuterophlebiidae). Pan-Pacific Ent. 27:49-57. Ref. Apr. 1951. 421 P193
- New species in *Deuterophlebia*.

- 60649 WOLFFHÜGEL, K. *Stomoxys calcitrans*. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:78-79. Apr. 1951. 41.8 B45
 60650 ZAHAR, A. R. The ecology and distribution of black-flies (Simuliidae) in south-east Scotland. J. Anim. Ecol. 20:33-62. Ref. May 1951. 410 J826

Culicidae

- 60651 ALVES, W. Preliminary note on a Southern Rhodesian experiment in malaria control. So. African J. Sci. 47:289-292. May 1951. 515 So84
 Application in dwellings of DDT and benzene hexachloride.
 60652 CHAKRABORTI, S. K. Fish culture and malaria control. Co-op. & Mktg. Rev. 5:21-25. Jan. 1951. 280.28 C78243

Control of mosquitoes by means of predatory fish in India.

- 60653 DOWNS, W. G., BORDAS, E., and CORREA COLORADO, M. Malaria control in the Southern Territory of Lower California. Amer. J. Trop. Med. 31:286-289. May 1951. 448.8 Am33

Anopheles pseudopunctipennis pseudopunctipennis only anopheline present.

- 60654 GALINDO, P., CARPENTER, S. J., and TRAPIDO, H. Descriptions of two new species of *Wyeomyia* and the male of *Sabethes tarsopus* Dyar and Knab (Diptera, Culicidae). Ent. Soc. Wash. Proc. 53:86-96. Apr. 1951. 420 W27

- 60655 GALINDO, P., CARPENTER, S. J., and TRAPIDO, H. Westward extension of the range of *Hae-magogus spegazzinii* falco Kumm et al. into Costa Rica (Diptera, Culicidae). Ent. Soc. Wash. Proc. 53:104-106. Apr. 1951. 420 W27

- 60656 KNIGHT, K. L. The *Aedes* (Ochlerotatus) punctor subgroup in North America (Diptera, Culicidae). Ent. Soc. Amer. Ann. 44:87-99. Mar. 1951. 420 En82

- 60657 KNIGHT, K. L., and HULL, W. B. Three new species of *Aedes* from the Philippines (Diptera, Culicidae). Pacific Sci. 5:197-203. Apr. 1951. 475 P11

- 60658 KOMP, W. H. W., and ROZEBOOM, L. E. Descriptions of eight new species of *Culex* subgenus *Melanocnion*. Ent. Soc. Wash. Proc. 53:121-137. June 1951. 420 W27

- 60659 MATTINGLY, P. F. *Culex* (*Culex*) *nakuruensis* sp. n. (Diptera: Culicidae), a remarkable new mosquito from the East African highlands. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 20:44-46. Apr. 16, 1951. 420 L84Pb

- 60660 MUIRHEAD-THOMSON, R. C. The distribution of anopheline mosquito bites among different age groups; a new factor in malaria epidemiology. Brit. Med. J. 4715:1114-1117. May 19, 1951. 448.8 B77

- 60661 PROVOST, M. W. The occurrence of salt marsh mosquitoes [*Aedes taeniorhynchus*; *A. sollicitans*] in the interior of Florida. Fla. Ent. 34:48-53. June 1951. 420 F662

- 60662 RATCLIFFE, F. N., and FENNESSY, B. V. Mosquito-borne myxomatosis killing rabbits. Past. Rev. 61:134. Feb. 16, 1951. 23 Au75

Also in Farmer's Wk. [Perth] 4(185):17. Feb. 8, 1951. 23 F227

- 60663 REEVES, W. C. The encephalitis problem in the United States. Amer. J. Pub. Health 41:678-686. Ref. June 1951. 449.9 Am3J

Viruses of Eastern and Western equine encephalomyelitis and St. Louis encephalitis, and their arthropod vectors (mosquitoes and mites).

- 60664 ROTH, L. M. Loci of sensory end-organs used by mosquitoes (*Aedes aegypti* (L.) and *Anopheles quadrimaculatus* Say) in receiving host stimuli. Ent. Soc. Amer. Ann. 44:59-74. Ref. Mar. 1951. 420 En82

- 60665 THURMAN, E. B., HAEGER, J. S., and MULRENNAN, J. A. The taxonomy and biology of *Psorophora* (*Janthinosoma*) *johnstonii* (Grabham, 1905) (Diptera: Culicidae). Ent. Soc. Amer. Ann. 44:144-157. Ref. Mar. 1951. 420 En82

- 60666 VAN SOMEREN, E. C. C. New *gulicini* from Kenya and Uganda. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 20:1-9. Feb. 20, 1951. 420 L84Pb

- In *Aedes*, *Culex*, and *Uranotaenia*.
 60667 WHARTON, R. H. DDT and HBC as residual insecticides in Malaya. Nature [London] 167:854-855. May 26, 1951. 472 N21

Chiefly for *Anopheles maculatus* and *Culex fatigans*.

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

- 60668 ADAMS, P. A., and MACNEILL, C. D. *Gelastocoris rotundatus* Champion in California (Hemiptera: Gelastocoridae). Pan-Pacific Ent. 27:71. Apr. 1951. 421 P193

- 60669 AGGELEN-BOT, G. M. VAN. Investigations concerning the pricking and sucking of *Helopeltis antonii* on tea. (In Dutch.) Arch. v. de Theecult. 17:151-169. Dec. 1950. 68.18 Ea72

- 60670 ANDRADE, A. C., and PUZZI, D. Preliminary results of experiments on controlling the chestnut-colored bug (*Scaptocoris castaneus*) in sugar cane. (In Portuguese.) Biológico 17:44-48. Mar. 1951. 442.8 B529

- 60671 BAILEY, N. S. An Asiatic tingid [*Stephanitis globulifera*] new to North America (Heteroptera). Psyche 57:143-145. Dec. 1950. 421 P95

- 60672 BRUEL, W. E. VAN DEN, BERNARD, J., and BOLLAERTS, D. Note préliminaire à propos de la lutte contre les pucerons sur betterave. Parasitica 7:6-13. 1951. 464.8 P21

Yellow vector.

- 60673 CAPONE-BRAGA, P. On the action of D.D.T. on "*Cimex lectularius*" with regard to the concentration of the insecticide and to its period of contact. (In Italian.) Ist. Super. di Sanit. Rend. 13:711-717. 1950. 449.9 R66
 English summary.

- 60674 CARAYON, J. Les organes génitaux males des Hémiptères Nabidae. Absence de symbiontes dans ces organes. Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 26:1-10. Ref. Mar. 16, 1951. 420 L84Pa
 English summary.

- 60675 CARVALHO, J. C. M., and CHINA, W. E. Neotropical Miridae. XLIII. A remarkable ant-like genus [*Gvarania* n.g.] from Uruguay, with notes on a new tribe of Mirinae. Entomologist 84:113-116. May 1951. 421 En8

- 60676 DAVID, W. A. L., and GARDINER, B. O. C. Investigations on the systemic insecticidal action of sodium fluoroacetate and of three phosphorus compounds on *Aphis fabae* Scop. Ann. Appl. Biol. 38:91-110. Ref. Mar. 1951. 442.8 An72

- 60677 DICKSON, R. C., FLOCK, R. A., and JOHNSON, M. M. Insect transmission of citrus quick-decline virus. J. Econ. Ent. 44:172-176. Apr. 1951. 421 J822
Aphis gossypii probable vector.

- 60678 EASTOP, V. F. A list of aphids collected in Berkshire. Entomologist 84:107-112. May 1951. 421 En8

- 60679 ELKINS, J. C. Chagas disease and vectors in north central Texas. Field & Lab. 19:95-99. Apr. 1951. 470 F76

Chiefly *Triatoma sanguisuga*.

- 60680 ELKINS, J. C. A female neallotype of *Emesaya incisa* McAtee & Malloch (Hemiptera, Reduviidae). Field & Lab. 19:94-95. Apr. 1951. 470 F76

- 60681 ELKINS, J. C. A new species of *Metapterus* (Hemiptera, Reduviidae). Field & Lab. 19:90-93. Apr. 1951. 470 F76

- 60682 ENGLISH, L. L. Sodium selenate soil treatments for Chrysanthemum and carnation pests. J. Econ. Ent. 44:208-215. Apr. 1951. 421 J822

Chiefly aphids and mealybugs.

- 60683 FEINSTEIN, L., and HANNAN, P. J. Effect of green peach aphid [*Myzus persicae*] damage on the nicotine content of tobacco. J. Econ. Ent. 44:267. Apr. 1951. 421 J822

- 60684 FENNAH, R. G. Fulgoroidea of Fiji. Bernice P. Bishop Mus. B. 202, 122 p. 1950. 500 B45B

New species and forms in *Epaustroloma* n.g., *Myndus*, *Dystheatis*, *Nesochlamys*, *Ugyops*, *Ugyopana* n.g., *Dicranotropis*, *Nisia*, *Suva*, *Sikaiana*, *Flaccia*, *Paralyricen*, *Harpanor* n.g., *Kamendaka*, *Pyrrhoneura*, *Nesocore*, *Phaciocephalus*, *Eurynomeus*, *Vanua*, *Rhinodictya*, *Capelopterum*, *Tylana*, *Sarima*, *Lollius*, *Plestia*, and *Euricania*; also *Macrovanua* n.g.

- 60685 FIDLER, J. H. *Aphis vaccinii* (Börner) (Hemiptera: Aphididae) new to the British Isles. A re-description and comparison with *Aphis callunae* Theobald. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 20: 37-43. Apr. 16, 1951. 420 L84Pb

- 60686 FINKEL'GLUZ, A. M. Effective preparation for mealy bug and scale insect control. (In Russian.) Priroda 40:71. Jan. 1951. 410 P933

- 60687 FRAZIER, N. W. New aphid vectors of strawberry viruses. J. Econ. Ent. 44:258-259. Apr. 1951. 421 J822

Aphis forbesii, *Amphorophora rubi*, *Myzaphis rosarum*, *Macrosiphum pelargonii*, *M. solanifolii*, *Myzus ornatus*, *M. porosus*, *M. solani*.

- 60688 GALLIARD, H., and BOUTET, R. Effets de la chimiothérapie de l'infection à *Trypanosoma cruzi* Chagas chez les Réduvidés hématophages [*Rhodnius prolixus* and *Triatoma infestans*]. Soc. de Biol. Compt. Rend. 145:304-307. Feb. 1951. 442.9 P21

- 60689 HANCOCK, D. A woolly aphid [*Eriosoma lanigerum*] parasite [*Aphelinus mali*]. Gard. Illus. 68:168. June 1951. 80 G169

- 60690 HESLOP-HARRISON, G. The Aryanini of the subfamily Psyllinae, Hemiptera - Homoptera family Psyllidae. Ann. & Mag. Nat. Hist. (ser.12)4:417-454. (To be cont.) May 1951. 410 An77
Includes new species in Aryanina; also the new subgenus Spartina.
- 60691 HOTTES, F. C., and WEHRLE, W. P. Arizona Aphididae. Biol. Soc. Wash. Proc. 64:47-54. Apr.13,1951. 500 W272
New species in Aphis; also new subgenus Wapuna.
- 60692 HOTTES, F. C., and WEHRLE, L. P. Two new species of Lachnini (Aphididae) from Arizona. Biol. Soc. Wash. Proc. 64:43-46. Apr.13,1951. 500 W272
In Schizolachnus and Cinara.
- 60693 JOHNSON, C. G., and EASTOP, V. F. Aphids captured in a Rothamsted suction trap, 5 ft. above ground level, from June to November, 1947. Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 26:17-24. Mar.16,1951. 420 L84Pa
- 60694 KENNEDY, J. S., and BOOTH, C. O. Host alternation in Aphis fabae Scop. I. Feeding preferences and fecundity in relation to the age and kind of leaves. Ann. Appl. Biol. 38:25-64. Ref. Mar.1951. 442.8 An72
- 60695 KURZ, L. Reblassfragen. Weinbau 6:199. May 6,1951. 390.8 W432
Phylloxera vastatrix.
- 60696 LAVEZZINI, A. Keep an eye on the San José scale [Aspidiotus perniciosus]. (In Italian.) Avvenire Agr. 59:69-70. Mar.1951. 16 Av9
- 60697 LESTON, D. Additions to the water-bugs (Hem.) recorded from Middlesex. Ent. Mon. Mag. 87:130. May 1951. 421 En86
- 60698 MAY, A. W. S. The cotton jassid [Empoasca maculata] problem in Queensland. Queensland J. Agr. Sci. 7:24-42. Ref. Mar./June 1950. 23 Q37
- 60699 MILLER, N. C. E. New Reduviidae in the collection of the British Museum (Natural History). V. Ann. & Mag. Nat. Hist. (ser.12)4:465-480. May 1951. 410 An77
New species in Eremovescia n.g., Horcinia, Ectomocoris, and Graptocleptes.
- 60700 MONTE, G. DAL. Wheat bugs. (In Italian.) Molini d'Italia 2:12,14. Jan.1951. 298.8 M73
English summary.
Eurygaster and Aelia spp.
- 60701 NEISWANDER, R. B. Controls for pine needle scale [Phenacaspis pinifoliae]. Ohio Farm & Home Res. [Ohio Sta.] 36(268):10-11. Jan./Feb.1951. 100 Oh3S
On ornamental plants.
- 60702 QUESTEL, D. D., and BRADLEY, W. G. Mortality of aphids [Aphis maidis] and European corn borers [Pyrausta nubilalis] feeding on corn plants grown in soil treated with bis(2-(2-fluoroethoxy)ethoxy)methane. J. Econ. Ent. 44:259-260. Apr.1951. 421 J822
- 60703 RYLE, G. B. Random notes on British Hemiptera-Heteroptera, 1949-50. Ent. Mon. Mag. 87:139. May 1951. 421 En86
- 60704 SIMMONDS, H. W. Observations on the biology and natural control of the black scale of citrus Saissetia oleae (Bern.) in South Australia. So. Austral. Dept. Agr. J. 54:339-342. Feb.1951. 23 So84
- 60705 SLOAN, G. D. Scale [Chrysompholus aonidum?]. Citrus Mag. 13(10):19-20. June 1951. 80 C498
- 60706 SOLAROLI, V., and BONGIOVANNI, G. C. Phosphoric esters for control of certain Hemiptera. (In Italian.) Italia Agr. 88:208-214. Apr.1951. 16 It1
- 60707 STITT, L. L. Lygus bugs and alfalfa seed production in the United States. Alfalfa Impr. Conf. Rpt. 12: 50-51. 1950. 1.9 P691Rep
- 60708 URSO, S. D'. Parathion for some citrus scale insects. (In Italian.) Tec. Agr. 2:161-169. Nov./Dec. 1950. 16 T22
- 60709 VARELA, G., and APARICIO, A. Intestinal bacteria found in Triatoma and Ornithodoros. Amer. J. Trop. Med. 31:381-382. May 1951. 448.8 Am33
- 60710 WEAVER, C. R. Meadow spittlebug [Philaenus leucophthalmus] control with low and high volume insecticide applications. J. Econ. Ent. 44:163-166. Apr.1951. 421 J822
- 60711 WOLFENBARGER, D. O. Dictyospermum scale [Chrysomphalus dictyospermi] control on avocados. Fla. Ent. 34:54-58. June 1951. 420 F662
- 60712 WOOD, S. F. Development of California Trypanosoma cruzi in the bat bedbug [Cimex pilosellus]. J. Parasitol. 37:330-331. June 1951. 448.8 J824
- HYMENOPTERA**
- 60713 BLUNCK, H. Parasiten und hyperparasiten von Pieris rapae L. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 58:25-54. Ref. Jan./Feb.1951. 464.8 Z3
Chiefly Apanteles and its parasites.
- 60714 BOHART, G. E. The alkali bee, Nomia melanoderi Kll., a native pollinator of alfalfa. Alfalfa Impr. Conf. Rpt. 12:32-35. 1950. 1.9 P691Rep
- 60715 BRADLEY, G. A. Notes on the parasitism of the yellow-headed spruce sawfly, Pikonema alaskensis (Roh.) (Hymenoptera: Tenthredinidae). Canad. Ent. 83: 130-131. May 1951. 421 C16
- 60716 BRANZANTI, E. C. Fertilization and bees. (In Italian.) Romagna Agr. e Zootec. 36(4):4. Mar.1951. 16 R66
Bees as pollinators.
- 60717 BRIAN, M. V. Ant culture for laboratory experiment. Ent. Mon. Mag. 87:134-136. May 1951. 421 En86
- 60718 BRIAN, M. V. Caste determination in a myrmicine ant [Myrmica rubra macrogyna]. Experientia 7: 182-183. May 15,1951. 475 Ex7
- 60719 BRUEL, W. E. VAN DEN, and BERNARD, J. Note sur la nuisance de Hoplocampa minuta. Christ. et de Hoplocampa flava L. en Belgique en 1949. Parasitica 7:16-29. 1951. 464.8 P21
- 60720 BYARS, L. F. A new fungus-growing ant from Arizona (Hymenoptera, Formicidae). Ent. Soc. Wash. Proc. 53:109-111. Apr.1951. 420 W27
In Trachymyrmex.
- 60721 CLARK, A. M., and MITCHELL, C. J. Gene dosage relations for haploids and diploids of Habrobracon [i.e. Microbracon]. Genetics 36:185-198. Ref. Mar.1951. 442.8 G28
- 60722 COOPER, K. W., and BEQUAERT, J. Records and flower preferences of masarid bees (Hymenoptera: Vespidae). Psyche 57:137-142. Dec.1950. 421 P95
Pseudomasaris spp.
- 60723 CUMBER, R. A. Some observations on the biology of the Australian wasp Polistes humilis Fabr. (Hymenoptera: Vespidae) in North Auckland (New Zealand), with special reference to the nature of the worker caste. Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 26: 11-16. Mar.16,1951. 420 L84Pa
- 60724 DOUTT, R. L. The phenomenon of autonarcosis in a parasite wasp [Tropidophryne melvillei]. Canad. Ent. 83:131-132. May 1951. 421 C16
- 60725 EVANS, H. E. A taxonomic study of the Nearctic spider wasps belonging to the tribe Pompilini (Hymenoptera: Pompilidae). II. Genus Anoplius Dufour. Amer. Ent. Soc. Trans. 76:207-361. Dec.1950. 420 P53
- 60726 FRANCKE-GROSMANN, H. Über eine bemerkenswerte pappelblattwespe, Stauronema compressicornis (Fabr.) Benson. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 58:20-25. Jan./Feb.1951. 464.8 Z3
- 60727 GAHAN, A. B., and BROWN, H. P. Climacia areolaris (Hagen) parasitized by a new pteromalid (Hymenoptera: Chalcidoidea). I-II. Ent. Soc. Amer. Ann. 44:100-110. Mar.1951. 420 En82
I, Description of the parasite [Sisyridivora cavigena n.g., n.sp.], by A. B. Gahan, p.100-102; II, Life history of the parasite, by H. P. Brown, p.103-110.
- 60728 GONÇALVES, C. R., SOBRAL, R. P., and SCHULLER, K. The ideal formicide. (In Portuguese.) Seleg. Agr. 6(58):19-22. Feb.1951. 9.2 Se4
- 60729 HASKINS, C. P., and HASKINS, E. F. Note on the method of colony foundation of the ponerine ant Amblyopone australis Erichson. Amer. Midland Nat. 45: 432-445. Ref. Mar.1951. 410 M58
- 60730 HOBBS, G. A. Pollinating species of bees in the irrigated regions of southern Alberta. Alfalfa Impr. Conf. Rpt. 12:47-49. 1950. 1.9 P691Rep
- 60731 KROMBEIN, K. V. Wasp visitors of tulip-tree honeydew at Dunn Loring, Virginia (Hymenoptera Aculeata). Ent. Soc. Amer. Ann. 44:141-143. Mar.1951. 420 En82
Secretions of Toumeyella liriodendri.
- 60732 LEJEUNE, R. R. Some ecological factors governing populations of the larch sawfly, Pristiphora erichsonii (Htg.). Canad. Ent. 83:152-156. June 1951. 421 C16
- 60733 LOWEL, E. L., and REICH, H. Die pflaumen-sägewespe [Hoplocampa minuta]. Obstbauversring. Mitt. 1950:65. June 1/15,1950. 85 J76
- 60734 MAYEN, F. La lutte contre la fourmi d'Argentine [Iridomyrmex humilis]. Révell Agr. 60:81-82. Mar. 15,1951. 14 R322
- 60735 MICHENER, C. D. Records and descriptions of megachilid bees from Texas (Hymenoptera). Pan-Pacific Ent. 27:61-71. Apr.1951. 421 P193
Includes new species in Anthocopa and Ashmeadiella.
- 60736 MORRIS, R. F. The larval Elateridae of eastern spruce forests and their role in the natural control of Gilpinia [i.e. Diprion] hercyniae (Htg.) (Hymenoptera: Diprionidae). Canad. Ent. 83:133-147. June 1951. 421 C16

60737 NETO, P. N. Evolution and social bees. (In Portuguese.) Chacaras e Quintais 83:449-450. Apr. 15, 1951. 9.2 C34

60738 RICHARDS, O. W., and RICHARDS, M. J. Observations on the social wasps of South America (Hymenoptera Vespidae). Roy. Ent. Soc. London. Trans. 102:1-169. Ref. 1951. 420 L84

Partial contents: Nest architecture; Definition of castes; The natural history of the genera and species, principally those found in British Guiana; Strepsipterous parasites of Polybiinae. Includes new species and forms in Polybia, Stelopolybia, and Polistes.

60739 SANT'ANNA, B. Control the saúva ant [Atta sp.] with methyl bromate. (In Portuguese.) Seleç. Agr. 6(58):18. Feb. 1951. 9.2 Se4

60740 SCHAFFNER, J. V. JR. The redheaded pine sawfly [Neodiprion lecontei]. U. S. D. A. L. 296, 4 p. Feb. 1951. 1 Ag84L

60741 SCHNEIRLA, T. C. Carpenter ants [Camponotus]. Nat. Hist. 60:227-233. May 1951. 500 N483J

60742 SMITH, M. R. A new species of Stenamma from North Carolina (Hymenoptera, Formicidae). Ent. Soc. Wash. Proc. 53:156-158. June 1951. 420 W27

60743 STELFOX, A. W. Note on Cratospila (=Alysia) circe (Haliday) and C. (=A.) annellata (Thomson) (Hym., Braconidae), the latter species new to Britain. Ent. Mon. Mag. 87:142. May 1951. 421 En86

60744 VIADO, G. B. Ants and their control. Agr. & Indus. Life 13(3):9, 33. Mar. 1951. 25 Ag8

60745 VODOLAGIN, V. D. Disinfection of coriander seeds with benzene hexachloride. (In Russian.) Seleç. i Semen. 17(12):67-68. Dec. 1950. 61.9 Se5
For control of Systole coriandri.

60746 WILSON, E. O. A new Leptothorax from Alabama (Hymenoptera: Formicidae). Psyche 57:128-130. Dec. 1950. 421 P95

See also Apiculture and Apis mellifera.

LEPIDOPTERA

60747 ALLAN, P. B. M. A note on Hyloicus pinastri L. Ent. Rec. & J. Variation 63:86-87. May 1951. 421 En89

60748 ALMEIDA, R. F. F. D', and OITICICA F., J. The International Commission on Zoological Nomenclature and the name of the monarch butterfly [Danaus plexippus]. Science 113:728-729. June 22, 1951. 470 Sci2

60749 ATKINS, E. L., JR. Fruit tree leaf roller [Archips argyrospila] on citrus; experimental field trials conducted in Pomona-Ontario area for control with the newer available insecticides. Calif. Agr. [Calif. Sta.] 5(5):6, 14. May 1951. 100 C12Cag

60750 BARE, O. S. The army cutworm [Chorizagrotis auxiliaris]. Nebr. Agr. Col. Ext. C. 1504, rev., 4 p. Apr. 1951. 275.29 N272Ex

60751 BLAIR, K. G. On the early stages of Rhizodra lutosa Hübn. (Lep., Caradrinidae). Ent. Mon. Mag. 87:131-133. May 1951. 421 En86

60752 BRADLEY, J. D. A new species of Labdia (Lepidoptera: Cosmopterigidae) from India, hitherto erroneously identified as Labdia promacha (Meyrick). Ann. & Mag. Nat. Hist. (ser. 12) 4:510-513. May 1951. 410 An77

60753 BRYANS, T. G., and RUIZ, A. R. Control químico de la plaga del borer o gusano perforador de la caña de azúcar [Diatraea saccharalis]; replica al Sr. Luis C. Scaramuzza. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 9:305-307. Oct. 1950. 65.9 As5B
Use of cryolite.

60754 BUTTON, D. J. Iowa tests show it pays to spray for borers. Agr. Leaders' Digest 32(6):10-11. June 1951. 275.28 Am3

Spraying of corn for Pyrausta nubilalis.

60755 CHESTER SOCIETY OF NATURAL SCIENCE, LITERATURE AND ART. Proceedings, Natural History Series, v. 2. The butterflies and moths found in the counties of Cheshire, Flintshire, Denbighshire, Caernarvonshire Anglesey, &c, compiled and edited by S. G. Smith. Chester, 1948. 250 p. 501 C41

60756 COCHRAN, J. H. Control of the pecan nut casebearer [Acrobasis caryae] with organic insecticides. Soeast. Pecan Growers Assoc. Proc. 44:72-73. 1951. 94.69 G29

60757 CORNISH, R. F. The Green Octopus. Wool Knowl. 9:5-7, 21-23. Winter 1950. 304.8 W886
Cactoblastis cactorum in control of prickly pear.

60758 CRAMER, H. H. Die geographischen Grundlagen des Massenwechsels von Epiblema tedella Cl. Forstwiss. Centbl. 70:42-53. Ref. Jan. 1951. 99.8 F775

60759 CUNNINGHAM, G. The borer [Pyrausta nubilalis] again is a major threat. Iowa Farm & Home Register 1951:11H. May 6, 1951. 6 Io94

60760 DANNREUTHER, T. Migration records, 1950. Entomologist 84:102-106. (Concl.) May 1951. 421 En8
Chiefly Lepidoptera.

60761 DARLOW, H. M. At Hera's shrines. Ent. Rec. & J. Variation 63:71-73. May 1951. 421 En89
Collecting Callimorpha quadripunctaria in Cyprus, Rhodes, and Greece.

60762 DAY, M. F., and others. Studies on the digestion of wool by insects. I-III. Austral. J. Sci. Res. Ser. B: Biol. Sci. 4:42-74. Ref. Feb. 1951. 442.8 Au72
I, Microscopy of digestion of wool by clothes moth larvae (Tineola bisselliella Humm.), p. 42-48; II, The properties of some insect [Tineola bisselliella, Tenebrio molitor, Musca domestica, Periplaneta americana, Locusta migratoria] proteinases, by R. F. Powning, M. F. Day, and H. Irzykiewicz, p. 49-63; III, A comparison between the tracheation of the midgut of Tineola larvae and that of other insect [Ctenolepisma longicauda, P. americana, T. molitor, T. bisselliella, Lucilia cuprina], tissues, p. 64-74.

60763 DITMAN, L. P. Corn earworm [Heliothis armigera] control. Del. State Bd. Agr. B. 40(5):58-61. 1951. 2 D37B

60764 EDWARDS, F. H. Variation in Lycaena phlaeas L. Ent. Rec. & J. Variation 63:84-86. May 1951. 421 En89

With comment by P. S. Smith.

60765 EHRLICH, P. R., and GILLHAM, N. W. A new Atrytone from Nebraska (Lepidoptera: Hesperioidea). Ent. News [Philadelphia] 62:188-189. June 1951. 421 En88

60766 FALCONE, M. A. Durable finishes for defeating the moth. Pract. Home Econ. 29:270, 287. June 1951. 321.8 H752

Various measures for clothes moth control.

60767 FIGUEROA POTES, A. El cogollero del tomate en el valle del cauca Keiferia lycopersicella (Busck) Lepidoptera - Gelechiidae. Acta Agron. 1:1-18. Ref. Dec. 1950. 9.4 Ac8
English summary.

60768 FLOCK, R. A. Damage to household goods by the fan palm caterpillar [Litoprosopus coachellae]. J. Econ. Ent. 44:260-261. Apr. 1951. 421 J822

60769 FRANCLEMONT, J. G. The species of the Leucania unipuncta group, with a discussion of the generic names for the various segregates of Leucania in North America (Lepidoptera, Phalaenidae, Hadeninae). Ent. Soc. Wash. Proc. 53:57-85. Apr. 1951. 420 W27
Includes new species in Pseudaletia n.g.

60770 GENTNER, L. G. DDT for peach tree borer [Sannioidea exitiosa]? (Sum.) West. Fruit Grower 5(3): 21. Mar. 1951. 95.8 G762

60771 GÖRNITZ, K. Die massenaufzucht von raupen der wintersaateule (Agrotis segetum Schiff.) für laboratoriumsversuche. Anz. f. Schädlingsk. 24:65-68. May 1951. 421 An9

60772 HESLOP HARRISON, J. W. A hybrid between Pieris napi male and P. rapae female (Lep. Pieridae). Entomologist 84:99-101. May 1951. 421 En8

60773 HYDE, G. E. A rare woodland butterfly [Strymon pruni]. Country Life [London] 109:1889. June 15, 1951. 80 C83

60774 JEPSON, W. F. Stem borers of cereals and sugar cane. Plant Protect. Overseas Rev. 2(2):15-21. Apr. 1951. 464.8 P69

Life histories and control of Busseola fusca, Sesamia spp., Diatraea spp., Proceras spp., and Schoenobius bipunctifer.

60775 KHAN, M. Q. A note on earthing-up as a measure of control of Argyria sticticrasis Hampson: the sugarcane stem-borer. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2, sect. 3):1-3. 1951. 65.9 C766

60776 KING, H. Latest information on controlling red-banded leaf roller [Argyrotenia velutinana]. Mich. State Hort. Soc. Annu. Rpt. 80:47-49. 1950, pub. 1951. 81 M58

60777 KLOTS, A. B. A field guide to the butterflies of North America, east of the Great Plains. Boston, Houghton Mifflin, 1951. 349 p. (The Peterson Field Guide Ser.) 430 K69

60778 KOLOMIET'S, N. G. On damage [to Abies] by Evetria margarotana. (In Russian.) Lesn. Khoz. 3(10):80. Oct. 1950. 99.8 L5622

60779 LIMA, A. D. F. The chief enemy of the guava. (In Portuguese.) Seleç. Agr. 6(59):45-46. Mar. 1951. 9.2 Se4

Risama falcata.

- 60780 MACLAURIN, A. M. Larva of *Lasiocampa quercus* L. race *callunae* attacked by *Carabus problematicus* (Col. Carabidae). Ent. Rec. & J. Variation 63:84. May 1951. 421 En89
- 60781 MUKERJI, S., and SINGH, H. Studies on the chaetotaxy of larvae of *Plusia* species (Lepidoptera: Phalaenidae). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 20:15-24. Ref. Feb.20,1951. 420 L84Pb
- 60782 NEISWANDER, C. R., and ROLSTON, L. H. Reducing corn earworm [*Heliothis armigera*] damage. Ohio Farm & Home Res. [Ohio Sta.] 36:22-23. Mar./Apr. 1951. 100 Oh3S
- 60783 NEUMANN, H. Über die johannisbeermotte [*Incurvaria capitella* Cl.] und ihre bekämpfung. Gesunde Pflanzen 3:27-29. Feb.1951. 464.8 G33
- 60784 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Insect pests. Agr. Gaz. N. S. Wales 62:149-152,156. Mar.1,1951. 23 N472
- Plutella maculipennis*, *Pieris rapae*, and *Psychidae*, on cabbage.
- 60785 NIKIFORUK, K. S., and SEDASHEVA, G. IA. Causes for the drying up of oak [*Quercus*] groves in Bashkiria. (In Russian.) Lesn. Khoz. 3(10):60. Oct.1950. 99.8 L5622
- Gypsy moth (*Porthetria dispar*).
- 60786 PETTY, H. B. The weather, the farmer, and the corn borer [*Pyrausta nubilalis*]. Pacemaker 9(9):1-3. May 1,1951. 280.28 P113
- 60787 PRICHARD, R. An appeal to micro-lepidopterists [for help in compiling records for Wales]. Chester Soc. Nat. Sci. Lit. & Art Proc. 1949:80. 1950. 501 C41
- 60788 PUTTARUDRIAH, M., and CHANNABASAVANA, G. P. *Dichocrocis punctiferalis* Guenee (castor pod borer) on *Andropogon sorghum* Brot in Mysore. Cur. Sci. 20:100. Apr.1951. 475 Sci23
- 60789 RAO, J. T. Anatomical characters of stem in relation to rind-hardness and borer attack in sugarcane. Conf. Sugarcane Res. Workers Indian Union. Proc. 1(2,sect.2):41-47. 1951. 65.9 C766
- Diatraea* and *Argyria*.
- 60790 REID, W. Lepidoptera collecting notes, 1950. Ent. Rec. & J. Variation 63:77-79. (Cont.) May 1951. 421 En89
- England.
- 60791 RICCI, I. Corn pyralid [*Pyrausta nubilalis*] and doryphore of potato [*Leptinotarsa decemlineata*]. (In Italian.) Romagna Agr. e Zootec. 36(5):4. Apr.1951. 16 R66
- 60792 RUTTER, R. J. Catch the caterpillars with their tents down. Family Herald & Wk. Star 82(21):4. May 24,1951. 7 F21
- Malacosoma disstria*.
- 60793 SCARAMUZZA, L. C. Effects of the 1948 cyclone on the biological control of the sugar cane borer [*Diatraea saccharalis*] at Central Conchita. Assoc. de Téc. Azucareros de Cuba. Proc. 23:29-32. 1949. 65.9 As5
- 60794 SMITH, S. G. The butterflies and moths found in the county of Montgomeryshire, and incorporating a Supplement to the 1948 publication "The butterflies and moths found in the counties of Cheshire, Flintshire, Denbighshire, Caernarvonshire, Anglesey and Merionethshire, giving additional records for these counties, and a list of corrigenda. Chester Soc. Nat. Sci. Lit. & Art Proc. 1949:5-71. 1950. 501 C41
- 60795 SMITH, S. G., BOYES, J. D. C., and VAUGHAN-ROBERTS, R. E. New aberrations of *Selenia bilunaria*. Esp. Chester Soc. Nat. Sci. Lit. & Art Proc. 1949:72-79. 1950. 501 C41
- 60796 TASCHENBERG, E. F. Laboratory rearing of grape berry moth [*Polychrosis viteana*]. J. Econ. Ent. 44:256-258. Apr.1951. 421 J822
- 60797 THOMAS, D. L. Notes on Carmarthenshire butterflies. Entomologist 84:117-118. May 1951. 421 En8
- 60798 THOMPSON, C. G. Field tests during 1950 using a polyhedrosis virus to control the alfalfa caterpillar [*Colias philodice eurytheme*]. J. Econ. Ent. 44:255-256. Apr.1951. 421 J822
- 60799 THOMPSON, C. G. A granulosis of the imported cabbageworm [*Pieris rapae*]. J. Econ. Ent. 44:255. Apr.1951. 421 J822
- 60800 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Pink bollworm [*Pectinophora gossypiella*] control. Washington, 1951? 1 p. 1.967 A2P65
- 60801 WHIFFEN, H. J. Watch for clearwing currant moth [*Ramosia tipuliformis*]. Fruit-Grower 2891:931-932. May 24,1951. 80 F941
- 60802 WILLIAMS, C. B. From an entomologist's notebook. 3. Butterflies at sea. Countryman [Burford] 43:386-388. Summer 1951. 281.28 C832
- 60803 WILLIAMS, H. B. Why? Ent. Rec. & J. Variation 63:69-71. May 1951. 421 En89
- Plea for greater accuracy in books on Lepidoptera, and more descriptions of aberrations and variations.
- 60804 WOKE, P. A. Notes on a migratory flight of *Urania fulgens* Walker (Uranidae) on the Isthmus of Panama, Central America. Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 26:38-39. Mar.16,1951. 420 L84Pa
- See also Sericulture and the Silkworm.

ORTHOPTERA

- 60805 BODINE, J. H. The combined effects of 2,4-dinitrophenol, methylene blue and thiourea on the oxygen uptake of embryonic cells. Physiol. Compar. et Oecologia 2:140-144. Ref. Dec.30,1950. 444.8 P56
- Embryos of *Melanoplus differentialis*.
- 60806 CHAMBERLAIN, W. F., and HOSKINS, W. M. The inhibition of cholinesterase in the American roach [*Periplaneta americana*] by organic insecticides and related phosphorus-containing compounds. J. Econ. Ent. 44:177-191. Ref. Apr.1951. 421 J822
- 60807 CHIAROMONTE, A. The IVth Desert Locust Experts Conference at Cairo. (In Italian.) Riv. di Agr. Subtrop. e Trop. 45(1/3):100-104. Jan./Mar.1951. 26 Ag82
- 60808 GODANICH, A. *Fabius Maximus* and the grasshoppers. (In Italian.) Gior. di Agr. 61:123. Apr.22,1951. 16 It1G
- Control.
- 60809 GOODWIN, T. W., and SRISUKH, S. Biochemistry of locusts. 5. The green pigment of the haemolymph and integument of solitary locusts (*Locusta migratoria migratorioides*, R. & F., and *Schistocerca gregaria*, Forsk.). Biochem. J. 48:199-203. Ref. Feb.1951. 382 B52
- 60810 HUGHES-SCHRADER, S. The desoxyribonucleic acid content of the nucleus as a cytotoxic character in mantids (Orthoptera: Mantodea). Biol. B. 100:178-187. Ref. June 1951. 442.8 B52
- 60811 LE BERRE, J. R. Action de la température initiale d'incubation sur la diapause embryonnaire du criquet migrateur des Landes [*Locusta migratoria gallica*]. Acad. des Sci. Compt. Rend. 232:1870-1872. May 16,1951. 505 P21
- 60812 LERMA, B. DE. Research on the fluorescence of the blood of Orthoptera; spectrographic identification of isoxanthopterin. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:528-530. Apr.1950. 442.8 Sc12
- Studies on *Homorocoryphus nitidulus*, *Sepiana saepium*, *Tettigonia viridissima*, *Phaneroptera falcata*, and *Paracinema tricolor*.
- 60813 LOTTO, G. DE. Observations on the biology of *Phymateus viridipes* St. (Orth. Acrididae). (In Italian.) Riv. di Agr. Subtrop. e Trop. 45(1/3):8-18. Jan./Mar. 1951. 26 Ag82
- English summary.
- 60814 MCLEAN, D. M. Stop grasshopper damage. Seedtime & Harvest 259:1. Apr.19,1951. 7 Se3
- 60815 PEPPER, J. H., and CORKINS, J. P. Two ounces per acre stops the 'hoppers cold. Country Gent. 61(6):69,72. June 1951. 6 C833
- Aldrin.
- 60816 PRUTHI, H. S. Locusts and grasshoppers. Cur. Sci. 20:88-89. Apr.1951. 475 Sci23
- India.
- 60817 REHN, J. A. G. Three new Central American Mantodea (Orthoptera). Amer. Ent. Soc. Trans. 76:363-383. Dec.1950. 420 P53
- New species in Mantodea and Liturgousa.
- 60818 SHOTWELL, R. L. Controlling grasshoppers in alfalfa with chlordane and toxaphene sprays. U. S. Bur. Ent. & Plant Quar. E-819,19 p. May 1951. 1.9 En83
- 60819 SRIVASTAVA, M. D. L. 'Lampbrush' fibres in the chromosomes of *Chrotogonus incertus* Bolivar. Nature [London] 167:775-776. Ref. May 12,1951. 472 N21
- 60820 WEBLEY, D. P. Blood-cell counts in the African migratory locust (*Locusta migratoria migratorioides* Reiche & Fairmaire). Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 26:25-37. Ref. Mar.16,1951. 420 L84Pa
- 60821 WILLE, J. E., and MARTINELLI, T., R. Las langostas en el noroeste del Peru. Lima,1950. 53 p. 429 W66
- Situación actual de la campaña contra la langosta, por N. Vellejos F., p.51-53.

SERICULTURE AND THE SILKWORM

- 60822 DRILHON, A. Identification chromatographique et chimique d'une substance fluorescente du sang et du tube de Malpighi de la larve de Bombyx mori atteinte de grasserie. Acad. des Sci. Compt. Rend. 232:1876-1878. May 16, 1951. 505 P21
- 60823 GALLESE, G. Tecnologia della seta [Silk technology], v. 1. Milano, Corticelli, 1950. 277 p. 425 G 425 G132
- 60824 LIONTI, R. Sericulture in Kashmir and Jammu. (In Italian.) Riv. di Agr. Subtrop. e Trop. 45(1/3):31-46. (To be cont.) Jan./Mar. 1951. 26 Ag82
- 60825 MARDEN, L. Spain's silkworm gut. Natl. Geog. Mag. 100:100-108. July 1951. 470 N213
- 60826 VAGO, M. C. Un nouveau type d'épizootie dans les élevages de vers à soie. Prog. Agr. et Vitic. 1951:232-233. Apr. 29, 1951. 14 P94
- Serratia marcescens.
- 60827 YAMAFUJI, K. Existence of an enzyme catalysing the hydrogenation of oximes in silkworms. Nature [London] 167:770-771. May 12, 1951. 472 N21

SMALLER ORDERS

- 60828 BRITT, N. W. Observations on the life history of the collembolan Achorutes armatus. Amer. Micros. Soc. Trans. 70:119-132. Ref. Apr. 1951. 440.9 Am33
- 60829 BRUEL, W. E. VAN DEN. Le thrips du glafeul. Rev. de l'Agr. 4:257-270. Mar. 1951. 13 R322
- English summary.
- Taeniothrips simplex.
- 60830 BUCHLI, H. Recherche sur la fondation et le développement des nouvelles colonies chez le termite lucifuge (Reticulitermes lucifugus Ressi). Physiol. Compar. et Oecologia 2:145-160. Dec. 30, 1950. 444.8 P56
- English summary.
- 60831 BYERS, C. F. Some notes on the Odonata fauna of Mountain Lake, Virginia. Ent. News [Philadelphia] 62:164-167. May 1951. 421 En88
- 60832 COOK, C. Some new dragonfly records for Kentucky (Odonata). Ent. News [Philadelphia] 62:181-188. June 1951. 421 En88
- 60833 EADS, R. B. A note on the ectoparasites of the javelina, or wild pig, Tayassu angulatus (Cope). J. Parasitol. 37:317. June 1951. 448.8 J824
- Juxtapulex porcinus; Amblyomma spp.; Dermacentor variabilis; Ixodes scapularis; Pecarocetus javalli.
- 60834 EADS, R. B. A note on the javelina flea, Juxtapulex porcinus. J. Parasitol. 37:328. June 1951. 448.8 J824
- Records from Carnivora and a deer.
- 60835 FEYTAUD, J. Sur l'emploi de mortiers toxiques contre les termites des murs. Acad. d'Agr. de France. Compt. Rend. 37:223-225. 1951. 14 P215Bc
- 60836 HARRIS, W. V. Further records of East African termites. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 20:25-28. Feb. 20, 1951. 420 L84Pb
- Includes new species in Pericapratermes.
- 60837 HIGHTOWER, B. G., and EADS, R. B. New records of Texas Siphonaptera. J. Parasitol. 37:328. June 1951. 448.8 J824
- 60838 HOLLAND, G. P. A note on the occurrence of Catallagia dackenoi Ioff in North America, with the description of a nearctic subspecies (Siphonaptera: Neopsyllidae). Canad. Ent. 83:156-160. June 1951. 421 C16
- 60839 HUNT, B. P. Reproduction of the burrowing mayfly, Hexagenia limbata (Serville), in Michigan. Fla. Ent. 34:59-70. Ref. June 1951. 420 F662
- 60840 HUTCHINS, R. E. Patience rewards the ant lion. Nat. Hist. 60:260-263, 288. June 1951. 500 N483J
- 60841 KIMMINS, D. E., and DENNING, D. G. The McLachlan types of North American Trichoptera in the British Museum. Ent. Soc. Amer. Ann. 44:111-140. Ref. Mar. 1951. 420 En82
- Includes new species in Limnephilus.
- 60842 LIMA, A. DA C. Fossil ephemeropterid nymph from Ceará. (In Portuguese.) Acad. Bras. de Cien. An. 22:419-420. Dec. 31, 1950. 516 R473A
- 60843 MCIVER, W. L. Lice in household poultry. New Zeal. J. Agr. 82:267. Mar. 1951. 23 N48J
- 60844 MALLO, R. G. "Trips" perjudiciales para la agricultura. Mundo Agr. 2(19):35-36. Dec. 1950. 9 M92
- Thysanoptera.
- 60845 MATURANA, A. Los parásitos del gallinero. Agr. Austral 19(216):31-32. Jan. 1951. 9.3 Ag842
- Lice.

- 60846 MENZIES, G. C., EADS, R. B., and HIGHTOWER, B. G. List of Anoplura from Texas. Ent. Soc. Wash. Proc. 53:150-152. June 1951. 420 W27
- 60847 MOHR, C. O. Entomological background of the distribution of murine typhus and murine plague in the United States. Amer. J. Trop. Med. 31:355-372. Ref. May 1951. 448.8 Am33
- Xenopsylla cheopis; Nosopsyllus fasciatus; Leptopsylla segnis; Echidophaga gallinacea.
- 60848 MOSELY, M. E. Descriptions of new Sarawak Trichoptera. Ann. & Mag. Nat. Hist. (ser. 12) 4:480-490. May 1951. 410 An77
- New species in Goerodes, Setodes, Hydropsyche, and Diplex n.g.
- 60849 NEEDHAM, J. G. Prodrôme for a manual of the dragonflies of North America, with extended comments on wing venation systems. Amer. Ent. Soc. Trans. 77:21-62. Mar. 1951. 420 P53
- 60850 RICKARD, E. R. Attempted transmission of murine typhus to roof rats by the ingestion of food heavily contaminated with infected flea [Xenopsylla cheopis] feces. Amer. J. Trop. Med. 31:311. May 1951. 448.8 Am33
- 60851 RICKARD, E. R. The survival time of the Rickettsias of murine typhus in infected flea [Xenopsylla cheopis] feces. Amer. J. Trop. Med. 31:306-310. May 1951. 448.8 Am33
- 60852 RONNA, A. Fleas evolving on a host. (In Portuguese.) Chacaras e Quintais 83:613-614. May 15, 1951. 9.2 C34
- Cat as host.
- 60853 ROSS, H. H. The origin and dispersal of a group of primitive caddisflies [Hydrobiosini]. Evolution 5:102-115. June 1951. 443.8 Ev62
- 60854 SARGENT, W. D. The flight of the dragonfly. Biol. Rev. 13:8-10. Mar. 1951. 442.8 B5225
- 60855 STARK, H. E. A specimen of Hoplopsyllus anomalus (Baker) lacking a pronotal ctenidium (Siphonaptera). Pan-Pacific Ent. 27:91. Apr. 1951. 421 P193
- 60856 TRAUB, R. Fleas collected by the Chicago Natural History Museum Expedition to the Philippines, 1946-1947. Biol. Soc. Wash. Proc. 64:1-24. Apr. 13, 1951. 500 W272
- Includes new species in Stivalius and Thaumapsylla.
- 60857 TRAUB, R. Hoogstraalia turdella, a new genus and species of flea from the Philippines (Siphonaptera, Pygiopsyllidae, Pygiopsyllinae). Ent. Soc. Wash. Proc. 63:97-104. Apr. 1951. 420 W27
- 60858 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Decay and termite damage in houses. U. S. D. A. Farmers' B. 1993, rev., 26 p. May 1951. 1 Ag84F
- U. S. Bureau of Entomology and Plant Quarantine co-operating.
- 60859 VERRIER, M. L. Ecologie et répartition des Ephéméroptères du Massif Central. Acad. des Sci. Compt. Rend. 232:1700-1702. Apr. 30, 1951. 505 P21
- 60860 WALKER, E. M. Sympetrum semicinctum (Say) and its nearest allies (Odonata). Ent. News [Philadelphia] 62:153-163. May 1951. 421 En88
- 60861 WARD, R. A. Description of a new species of Anoplura (Lemurphthirus verruculosus) from a Madagascar lemur. Ent. News [Philadelphia] 62:190-192. June 1951. 421 En88
- 60862 WOLCOTT, G. N. The termite [Cryptotermes brevis] resistance of pinosylvin and other new insecticides. J. Econ. Ent. 44:263-264. Apr. 1951. 421 J822

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 60863 ANGWIN, P. Survey in the Festival of Britain. Chartered Surveyors' Inst. J. 30:920-931. May 1951. 282.9 C33J
- 60864 BERGMANN, H., and NIEMKE, W. Neue betriebswirtschaftliche möglichkeiten beim neubau volkseigener güter. Deut. Landwirt. 2:245-249. May 1951. 18 D4822
- Farm layouts and building designs.

- 60865 BRINK, W. This farm pond stopped a fire. Md. Conserv. 27(2):9-11. Summer 1950. 279.8 M36
- 60866 CAHILL, J. C. Safety with aluminum ladders in the orchard and on the farm. Mich. State Hort. Soc. Annu. Rpt. 80:12-16. 1950, pub. 1951. 81 M58
- 60867 CALHOUN, B., and WELLS, J. It might happen again! Successful Farming 49(7):32. July 1951. 6 Su12
Farm accidents, Huron County, Ohio.
- 60868 COE, M. H. Ag leaders can give farm safety leadership. Better Farming Methods 23(7):48,50. July 1951. 58.8 B46
- 60869 COE, M. H. Here's how you can promote farm safety. Farm Impl. News 72(11):44-45,113. June 10, 1951. 58.8 F22
- 60870 COX, J. K. Where there's a road, there's mud. Ill. Agr. Assoc. Rec. 29(4):4-5. Apr. 1951. 6 IL62
The Illinois Agricultural Association's road legislation program.
- 60871 DAMON, N. Conserving manpower on the highways. Ext. Serv. Rev. 22:58,71. Apr. 1951. 1 Ex892Ex
- 60872 FITZGERALD, O. A. Farm levels; Idaho Extension Service has proved that farmers can and should use them. Idaho Farmer 69:248. Apr. 5, 1951. 6 G282
- 60873 FONTANILLE, H. Les accidents du travail; la rétroactivité de leur indemnisation. Algérie Agr. et Vitic. 29(1164):1. Apr. 21, 1951. 24 AL37
- 60874 GARMHAUSEN, W. J. Equipment suggestions for more efficient roadside work. Roads & Streets 94(4):46-49,51. Apr. 1951. 288.8 R536
- 60875 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Fixed equipment of the farm; papers read at the conference held in the Guildhall, Winchester, on February 8 and 9 1950. London, H. M. Stationery Off., 1950. 71 p. 10 G79Fi
Buildings and equipment.
- 60876 HEY, D. Fish farming in the Congo helps to feed natives; peasants encouraged to build their own ponds. Farmer's Wk. [Bloemfontein] 81:11. Apr. 4, 1951. 24 F225
- 60877 HIMBEECK, C. VAN. La ferme de l'avenir. France. Min. de l'Agr. B. Tech. d'Inform. 1951:243-246. Mar. 1951. 14 F844B
Layout and buildings.
- 60878 JAMISON, G. S. Lessons learned from 1949 fires. G. L. F. Week. Serv. Sched. 15(43):1,4. Apr. 30, 1951. 280.28 G113W
Losses on farms.
- 60879 LEACH, A. Private fire fighters provide protection to rural Arizona homes. Goodyear Farm Prog. 7(1):3,6. 1951. 6 G63
- 60880 MAUCH, A. Die obstbauversuchsanstalt auf der DLG.-ausstellung in Frankfurt. Obstbauversring. Mitt. 1950:77-79. July 1/15, 1950. 85 J76
Equipment.
- 60881 MUNDIE, E. W. Farm ponds. South. Planter 112(6):27. June 1951. 6 So89
Construction.
- 60882 NEUBAUER. Müssen so viele unfälle in der land- und forstwirtschaft vorkommen? Pflug 4:48. Feb. 1951. 19 P48
Austria.
- 60883 NIKONOV, F. On central headquarters of machine-tractor stations. (In Russian.) Mashinno-Traktornaja Sta. 10(12):7-10. Dec. 1950. 58.8 M11
Layouts.
- 60884 RENSCHAW, B. A \$2,000 bill rouses a community to action. Result: a \$40,000 building. Prairie Farmer, Gen. Ed. 123(10):12-13. May 19, 1951. 6 P883
Fire department building and fire fighting equipment.
- 60885 SOPHIAN, T. J. Agricultural land and planning permission. Land Agents' Soc. J. 50:25-26. Jan. 1951. 282.9 L22
Farm improvements.
- 60886 TANQUARY, E. W. Safety lights for implements near; trailing type equipment, normally transported at slow speeds, is for all practical purposes stopped and should be classified as stopped or slow-moving equipment and have a distinctive type of warning signal. Farm Impl. News 72(11):48. June 1, 1951. 58.8 F22
- 60887 TURNER, A. W. Let's be sensible about farm safety. Farm Impl. News 72(11):42-43,110-112. June 10, 1951. 58.8 F22
- 60888 U. S. BUR. OF AGRICULTURAL ECONOMICS. Analysis of 17,906 fatal farm-work accidents in the United States, 1940-48, by J. D. Rush. Washington, 1951. 23 p. 1.941 H22An14
- 60889 U. S. DEPT. OF AGRICULTURE. SAFETY COUNCIL. Spring Clean-Up Week, 1951. Washington, 1951. 4 p. 1.90 C3Sa1
Fire prevention.

- 60890 WILLIAMSON, T. W. Water supplies, fences and roads. In Gt. Brit. Ministry of Agriculture and Fisheries. Fixed equipment of the farm, p.55-63. London, H. M. Stationery Off., 1950. 10 G79Fi

FARM MACHINES AND EQUIPMENT

- 60891 ANAKIN, I. A. Mekhanizatsiya vnutrifermskogo transporta [Mechanization of intra-farm transport]. Novosibirsk, Novosibirskoe Obl. Gos. Izd-vo, 1950. 50 p. (Biblioteka Mekhanizatorov v Zhivotnovodstve) 58 An1
Conveyor systems.
- 60892 ARKEMA, P. W. B. Inventory contest at the Z.L.M. [Zeeuwsche Landbouw Maatschappij] fair at Oostburg. (In Dutch.) Zeeuwsch Landbbl. 39(2052):5-7. Jan. 6, 1951. 12 Z2
Equipment inventories.
- 60893 ARKEMA, P. W. B. Mechanization and intensification. (In Dutch.) Nieuwe Veldbode 17:445. Mar. 29, 1951. 12 V542N
- 60894 ARKEMA, P. W. B. Mechanization is possible even for the small holding! (In Dutch.) Plattelands-Post 7(12):6-7. Mar. 24, 1951. 12 P69
- 60895 BALLU, T. Le XXIII^e Salon de la Machine Agricole. Acad. d'Agr. de France. Compt. Rend. 37:205-209. 1951. 14 P215Bc
Includes note by J. Baratte.
- 60896 BEHR, W. Mechanisierung kleinbäuerlicher Betriebe. Hannoversche Land- u. Forstwirt. Ztg. 103:1057. Nov. 25, 1950. 18 H194
- 60897 BEILMANN, A. P. Mechanized gardening. II. Parks & Recreation 34(5):12-14. May 1951. 98.8 P23
- 60898 BENFORD, H. Make machinery do more. Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(4):19. Apr. 1951. 6 P945G
- 60899 BERWICK, E. J. H. Mechanical cultivation of rice in Malaya. World Crops 3:207-210. June 1951. 281.8 W892
- 60900 BUGBEE, R. J. A simple platform elevator; a one ton electric chain hoist powers this useful farm lift. Elect. Farm 24(6):9-10,32-33. June/July 1951. 335.8 EL27
- 60901 CAMARA, A. DE A. Agricultural tools, implements, and instruments. (In Portuguese.) Lavoura 54:28-30. Sept./Oct. 1950. 9.2 L39
Brazil.
- 60902 CAVINA, R. Mechanization of agriculture. (In Portuguese.) Seleg. Agr. 6(59):37-38. Mar. 1951. 9.2 Se4
- 60903 CERTAINES, E. DE. La motorisation facteur important de la productivité agricole. Cahiers des Ingén. Agron. 6:7-11. First Q. 1951. 14 C112
France.
- 60904 CERVI, V. Mechanization in agriculture. (In Italian.) Italia Agr. 88:187-190. Apr. 1951. 16 It1
In various countries.
- 60905 CHADWICK, S. H. The loading ramp. Essex Farmers' J. 30(2):16,18. Apr. 1951. 10 Es72
For use in the fruit orchard. Includes construction directions.
- 60906 COLLINS, L. E. Mechanization—can it solve the food problem? Farming Gloucestershire 10:11,13. 1951. 10 F2291
- 60907 CULPIN, C. British farm mechanization progress. Gt. Brit. Min. Agr. Agriculture 58:96-101. May 1951. 10 G79J
- 60908 DAVIES, C. Mechanized agriculture. London, Temple Press, 1950. 122 p. (Tech. Trends Ser.) 58 D282M
- 60909 DIAZ ALVAREZ, G. Mechanization of sugar cane cultivation. Assoc. de Téc. Azucareros de Cuba. Proc. 23:123-128. 1949. 65.9 As5
- 60910 ENGELHARD, J. L'étonnant salon de la machine agricole de 1951. Paysan Franç. 26(400):9-10. Apr. 1951. 14 P29
- 60911 FARM EQUIPMENT INSTITUTE. ADVISORY ENGINEERING COMMITTEE. Application of hydraulic remote control to farm tractors and trailing-type farm implements. Agr. Engin. 32:328-333. June 1951. 58.8 Ag83
Proposed revision of A.S.A.E.-S.A.E. standard.
- 60912 FITZGERALD, O. A. 1000 acres of gadgets. Idaho Farmer 69:395,414. May 17, 1951. 6 G282
Labor saving equipment for the farm.
- 60913 FLOYD, H. Visitors get first look at Russian farm machinery. Ohio Farmer 207(8):26-27. Apr. 21, 1951. 6 Oh3
- 60914 FONDARD, L. L'agriculture américaine est surévaluée. Réveil Agr. 60:18. Jan. 15, 1951. 14 R322
- 60915 GAURY, C. Le matériel agricole français et les besoins des Territoires d'Outre-Mer. Cahiers des Ingén. Agron. 6:19-22. First Q. 1951. 14 C112

- 60916 GAVEAU, R. Aperçus sur le machinisme agricole en France. *Cahiers des Ingén. Agron.* 6:12-14. First Q. 1951. 14 C112
- 60917 HAMILTON, E. W. Grassland agriculture—a challenge to engineers. *Agr. Engin.* 32:313-315. June 1951. 58.8 Ag83
- 60918 HIGGS, C. Improvements in farm mechanization. *New Zeal. Farmer* 72(4):6. Apr. 12, 1951. 23 N484 In Great Britain.
- 60919 HODGSON, J. Farm machinery at the Smithfield Show. *Agr. Econ.* 2(5):13, 26. Jan. 1951. 281.8 Ag832
- 60920 JUON, P. L. Modernizing installations. (In Italian.) *Mezzogiorno Agr.* 7(11):1. Mar. 18/24, 1951. 16 M57
Equipment in Italy.
- 60921 KAKEBEEKE, W. Mechanization of corn culture. (In Dutch.) *Groninger Landtbl.* 29(14):5. Apr. 7, 1951. 12 G892
- 60922 KALENOV, A. Farming mechanization in the USSR. *Agr. Econ.* 2(5):19-20. Jan. 1951. 281.8 Ag832
- 60923 KAYSER, E. Entlastung der bäuerlichen kleinarbeit. *Tech. f. Bauern u. Gärt. Ausg. A* 3:109-111. Feb. 25, 1951. 58.8 T223
Equipment.
- 60924 LAWRENCE, W. J. C. Where extra equipment can save time and work. *Grower [London]* 35:964-965. May 12, 1951. 286.83 M34
Vegetable culture.
- 60925 LEMIERRE, A. Les stations d'essais de machines. *Cahiers des Ingén. Agron.* 6:17-18. First Q. 1951. 14 C112
France.
- 60926 LENGSELD, J. Die normung in der landtechnik. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:31-32. Mar. 1951. 18 N11
- 60927 LONNEMARK, H., BERG, M., and BERGLUND, N. Hur kostnader och taxor för maskinarbeten i jordbruket beräknas [How to compute costs and fees for machine work in agriculture]. *Jordbruket. Inst. Meddel.* 214, rev., 39 p. 1950. 58.9 J762
- 60928 MCCORMICK, C. J. Farm machinery needs outlined by Under-Secretary of Agriculture. *Hoosier Farmer* 36(5):20-21. May 1951. 280.82 H76
- 60929 MEINDL, G. Maschinen-neuheiten auf der Wiener Herbstmesse. *Landwirtschaft* 1951:29-31. (Cont.) Jan. 1951. 19 L235
- 60930 MENCKEN, A. Should we set up zones for farm machinery, too? *Farm & Ranch Rev.* 47(5):8-9. May 1951. 7 F223
Proposed regulation of the industry in Canada.
- 60931 MILLETTI, R. Equipment centers on the land reform zones. (In Italian.) *Terra e Sole* 105:190-191. May 1951. 16 T273
Italy.
- 60932 MUIJZENBERG, E. W. B. VAN DEN. The equipment of horticultural holdings in France. (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 14:99-113. Ref. Feb. 1951. 86 N384
English summary.
- 60933 PECHEVSKY, G. Mechanisation of cotton growing in Soviet Russia. *Agr. Econ.* 2(5):18-19. Jan. 1951. 281.8 Ag832
- 60934 PLOUGHMAN, J. We could make a better shop window of the Paris show. *Agr. Mach. J.* 5(4):26, 37. Apr. 1951. 58.8 Ag86
Includes discussion of Russian machinery exhibited.
- 60935 REHRL, K. Der hammer—ein universalwerkzeug. *Landwirtschaft* 1951:142-143. Apr. 1951. 19 L235
- 60936 REHRL, K. Maschinen brauchen einlaufzeit! *Pflug* 4:68-69. Mar. 1951. 19 P48
Austria.
- 60937 RIEMER, G. De mechanisatie van de landbouw [The mechanization of agriculture]. *Wageningen, Veenman & Zonen*, 1951. 21 p. 58 R442
- 60938 ROBINSON, D. H. Power farming in 1851; the Festival of Britain marks the centenary of the Great Exhibition. *Power Farmer* 6(5):20-22. May 1951. 58.8 P872
- 60939 SCHERUGA, F. Stern-, dreieck- und motorschutzschalter. *Landwirtschaft* 1951:103-105. Mar. 1951. 19 L235
- 60940 SCOGNAMIGLIO, G. A. Agricultural mechanization: prospects. (In Italian.) *Econ. della Marca Trevigiana* 38(12):1-2. Mar. 24, 1951. 280.8 Ec733
- 60941 SERS, J. La manutention des fumiers à l'intérieur de la ferme. *Rustica* 24:235. Mar. 18, 1951. 14 R92
Loading equipment.
- 60942 SHELL PETROLEUM CO., LONDON. ECONOMIC RESEARCH DEPT. The problem of world food supplies; farm mechanization: a closely related subject. (Extr.) *Rev. River Plate* 109(3073):25-26, 35-37. Apr. 27, 1951. 286.8 R32
- 60943 SINISALO, J. Arrangements for transportation of grain. (In Swedish.) *Forsk.- och Försöksresultat* 2: 57-58. Dec. 15, 1950. 20 F77
Equipment.
- 60944 STEINMETZ, K. Kartoffelbau und -pflege leicht gemacht. *Landbote* 5(17):4. Apr. 28, 1951. 18 L2336
Equipment.
- 60945 SUDRE, J. Le Salon de la Machine Agricole. *Potasse* 25:74-76. Apr. 1951. 57.8 P84
- 60946 UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. INDUSTRY AND MATERIALS COMMITTEE. A general survey of the European engineering industry. Geneva, 1951. 228 p. 225 Un322
Agricultural equipment, p. 60-63.
- 60947 U. S. BUR. OF THE CENSUS. INDUSTRY DIV. Farm machines and equipment 1949. Washington, 1950. 28 p. 157.41 M313
- 60948 VAN HORNE, R. Can you afford not to mechanize—satisfied with 5 tons less?—want 3 to 5 tons more? *Sugar Beet* 10:12-13. Mar. 1951. 66.8 Su34B
- 60949 VINK, A. P. A. Mechanization in mountain agriculture. 2. (In Dutch.) *Bergcultures* 20:125, 127, 129, 131. Apr. 1, 1951. 22.5 B45
Indonesia.
- 60950 VOCHELLE, J. Machines nouvelles. *Nord Agr.* 7(18):6. Mar. 2, 1951. 14 N75
- 60951 WAMSLEY, B. H. Are you grinding away your profits? *Farm & Ranch—South. Agr. Upper So. Ed.* 81(5):12, 21. May 1951. 6 T31
- 60952 WILTSHIRE, G. Spring preview of garden power implements. *Sunday Oregonian, Farm, Home, Gard.* 1951:8-9. Feb. 11, 1951. 6 Su7

Animal Husbandry Equipment

- 60953 BAKER, V. H., and BYWATERS, J. H. Brooding poultry with infrared energy. *Agr. Engin.* 32:316-320. Ref. June 1951. 58.8 Ag83
- 60954 BARLEY, H. D. Mammoths are better, but a well-ventilated building is still essential to good hatches. Failure to meet this requirement is the chief cause of poor incubating results. *Poultry World* 88:338. Apr. 12, 1951. 47.8 P8682
- 60955 BENOIT, C. E. Feeding chickens automatically. *Family Herald & Wk. Star* 82(20):16, 19. May 17, 1951. 7 F21
- 60956 BROWN, M. A time-saving method of hand-rearing kids. *Brit. Goat Soc. Mon. J.* 44:81. May 1951. 40.19 B77M
Feeding funnel.
- 60957 COYNE, B. Kansas farmer solves labor shortage problem and fast feeding of ensilage with a new home-made machine that ends "packing." *N. Mex. Stockman* 16(5):58-59. May 1951. 49 N462
- 60958 DUCK, R. W. Hitch up the horses. *Rur. New-Yorker* 101:358, 363. May 19, 1951. 6 R88
Selection and care of the collar and harness.
- 60959 FENLEY, J. M. A one-man portable livestock enclosure. *Mont. Wool Grower* 20(6):7. June 1951. 45.8 M762
- 60960 GEDDES, H. J. Developments in machine milking. *Agr. Econ.* 2(5):16-17, 26. Jan. 1951. 281.8 Ag832
Similar title in *Milk Bd. J.* 2:29. (To be cont.) Jan. 15, 1951. 44.8 M5934
- 60961 GEDDES, H. J. The Hemmers milk recording meter and sampler. *Austral. Dairy Rev.* 19(3):9-10. Mar. 1, 1951. 44.8 Au73
- 60962 GELDOLF, W. Considerations for the machine milker. (In Dutch.) *Plattelands-Post* 7(20):5. May 19, 1951. 12 P69
- 60963 GELDOLF, W. Die melkmaschine von Bajema. *Deut. Landwirt.* 2:276-277. May 1951. 18 D4822
- 60964 GILMAN, W. Push-button egg gathering! *Poultry Tribune* 57(6):8. June 1951. 47.8 P8642
- 60965 HAYSE, MRS. W. Getting along with your separator. *Dairy Goat J.* 29(6):7-8. June 1951. 40.18 M592
- 60966 JOWSEY, C. G. Hoist race for loading sheep on to double-decker truck. *New Zeal. J. Agr.* 82:269. Mar. 1951. 23 N48J
- 60967 KLEIN, G. T. Eliminación de las perchas. *Agr. Austral* 19(216):29-30. Jan. 1951. 9.3 Ag842
For poultry.
- 60968 MCFALL, J. New mobile spray dip tank; first test in Union under way in area heavily infested with ticks. *Farmer's Wk. [Bloemfontein]* 81:13. Apr. 25, 1951. 24 F225

60969 MATA LLANA VENTURA, S. Pesebres para ganado vacuno. Ganadería [Madrid] 9:58-60. Feb. 1951. 49 G15

60970 MOIR, G. M. Solutions for cleaning milking machines; alternative materials to caustic soda: some detergents nearly all water. New Zeal. J. Agr. 82: 157-158. Feb. 1951. 23 N48J

60971 OWTRAM, I. H. Home-made self-feeder for pigs. New Zeal. J. Agr. 82:118. Feb. 1951. 23 N48J

60972 SCHWAB, J. W. Home-made hog equipment. Purdue U. Agr. Ext. B. 199, rev., 12 p. 1951. 275.29 In2E

60973 SCHWANZ, H. L. Roughage self-feeders cut chores; you can save at least two tons of hand pitching a head next winter if cattle do the emptying job at your silo or hay barn. Country Gent. 61(6):22, 93-94. June 1951. 6 C833

60974 SILVA, R. N. DA. The importance of certain details in ox traction. (In Portuguese.) Gaz. do Agr. 3: 30-32. Feb. 1951. 24 G25

Equipment.

60975 SOMMER, O. Melkmaschine und mechanisierung im landwirtschaftlichen betrieb. Württemb. Wehnl. f. Landwirt. 118:397-398. May 19, 1951. 18 W96

60976 STORCH, W. VON. Kükengruden unbeliebt? Hannoversche Land- u. Forstwirtschaft. Ztg. 104:299. Mar. 31, 1951. 18 H194

60977 VOLLRATH, H. M. Brooders for little pigs. Hawaii. U. Agr. Ext. C. 166, rev., 4 p. Feb. 1951. 275.29 H312Ac

60978 WARD, W. Laborsaving feed handling; grinders, elevators, chutes, and inexpensive bulk feed-dumping systems are saving labor and feed costs for these dairy farmers. Successful Farming 49(7):46-47, 92-93. July 1951. 6 Su12

60979 WHITTLESTON, W. G. Cleaner mixture for use on milking machines. New Zeal. J. Agr. 82:217-218. Mar. 1951. 23 N48J

60980 WIESER, L. Erfolgreicher einsatz von melkmaschinen. Landwirtschaft 1951:68-69. Feb. 1951. 19 L235

Austria.

60981 WILSON, W. O. Shipping boxes for chicks. Coop. Poultryman 16(6):20-21. June 1951. 47.8 C782

Cultivation and Tillage Equipment

60982 AMPHOUX, R. Vers une solution mécanique du problème du decavallonnage. Prog. Agr. et Vitic. 1951:231-232. Apr. 29, 1951. 14 P94

Grape cultivation.

60983 BATYRSHIN, A. Checking and adjustment of tractor plow frames. (In Russian.) Mashinno-Traktornaya Sta. 10(12):51-54. Dec. 1950. 58.8 M11

60984 ELLENWOOD, C. W. Reduce labor requirements with power pruners. Ohio Farm & Home Res. [Ohio Sta.] 36(268):12-13. Jan./Feb. 1951. 100 Oh3S

60985 HARTLEY, C. W. S. The mechanization of rice production with special reference to problems in the humid tropics. II. Brit. Agr. B. 4(13):43-48. May 1951. 10 B776

60986 HELLYER, A. G. L. Rotary cultivation for the garden. Country Life [London] 109:1459 May 11, 1951. 80 C83

60987 KHUDININ, N. A., and GUSEV, S. K. Experiment in using drags in soil tillage. (In Russian.) Sovet. Agron. 9:82-86. Jan. 1951. 20 So84

60988 LUCIE-SMITH, M. N. The purpose and effects of mechanical tillage in orchard crops. Agr. Soc. Trinidad & Tobago. Proc. 50:437-441. Dec. 1950. 8 T73

60989 MAIER, E. A. A story of sugar cane machinery. 2. Sugar J. 14:18-20, 34, 36. June 1951. 65.8 Su391

60990 REYNOLDS, H. G. Brushland plow and improved methods make reseeding of sagebrush lands in northern New Mexico less costly. N. Mex. Stockman 16(5):20-21. May 1951. 49 N462

60991 REYNOLDS, P. A. Know your cultivator. Nurseryman & Seedsman 112:676-677. Mar. 1, 1951. 80 N933

60992 SARGOS, R. La houe rotative. Terre d'Oc 33: 179-181. May 1951. 14 Ar5

On tractors.

60993 SMITH, D. E. Mechanical thinning is practical in Cache Valley farm area. Sugar Beet 10:28-29. Mar. 1951. 66.8 Su34B

60994 U. S. SOIL CONSERVATION SERV. NORTHERN GREAT PLAINS REGION. Procedure for building cropland terraces with a whirlwind terracer. Lincoln, Neb., 1950. 2 p. 1.9607 P947

60995 VICTOR, B. Fräsen und einachsschlepper im gartenbau. Landtechnik 6:314-318. May 1951. 58.8 L235

60996 WILSON, R. W. A hoe with go! Res. & Farming [N. C. Sta.] 9(3):6. Winter 1951. 100 N81R

The use of the rotary hoe in tobacco.

Fertilizer and Seed Distributors

60997 BIELEFELD, P. Verbilligte herstellung von saat- und pflanzstreifen. Landwirt. Wehnl. f. Westfalen u. Lippe 108A:668, 673. May 3, 1951. 18 L2346

Equipment.

60998 BRUNNER, E. Das einschulen der reben mit der fräse. Weinbau 6:197-198. May 6, 1951. 390.8 W432

60999 DUNGAN, G. H. Planting for 4-billion bushels. Breeder's Gaz. 116(5):16-17. May 1951. 49 B74

Corn planting equipment.

61000 GRANBERG, W. J. Two novel fertilizer applicators devised. Better Farms 10(11):11. May 1951. 6 B462

61001 KARPENKO, A. N. Mechanization of grass and legume seeding on the fields. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiannie i semenovodstvo mnogoletnikh trav, p.555-563. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32

61002 KOZLOVSKAYA, O. Repair of principal parts of grain sowing machines. (In Russian.) Mashinno-Traktornaya Sta. 10(12):48-50. Dec. 1950. 58.8 M11

61003 MACHADO, M. P. B. Agricultural-Forestry air services (project for their creation). (In Portuguese.) Granja [Lisboa] 10:25-36. Jan./Mar. 1951. 155.5 G76

Use of aircraft for large scale tree planting.

61004 NEWHALL, A. G., and GUNKEL, W. W. A duster for row application of fungicide and/or insecticide at the time of sowing seeds. Plant Dis. Rptr. 35:219-220. Apr. 15, 1951. 1.9 P69P

61005 PORTER, K. B. Adaptation of a commercial type wheat drill for nursery seeding. Agron. J. 43:296-297. June 1951. 4 Am34P

61006 RENNER, F. Die düngung der obstbäume mit der düngelanze. Landwirtschaft 1951:62-64. Feb. 1951. 19 L235

61007 THOMPSON, B. T. Hydroganic tree feeding. Trees 11(4):22-23, 25. May/June 1951. 99.8 W52

Equipment for application of liquid fertilizer.

61008 U. S. FOREST SERV. Tree-planting machines. Washington, 1951. 10 p. 1.962 A2T712

61009 ZECHA, E. Die düngung der obstbäume mit der düngelanze. Obst u. Gart. 5:106-108. July 1950. 80 Ob75

Harvesting Equipment

61010 BOAN, J. Half the men do twice the work with modern seed harvesters. South. Seedsman 14(5):26, 40. May 1951. 61.8 So8

61011 BONDON, J. La mécanisation de la récolte des fourrages. Terre Nouvelle 98:7-8. May 5, 1951. 281.8 T272

61012 BRICKWOOD, H. The farm workshop; preparing the combine for work. Power Farmer 6(5):49-50; (6):44-45. May-June 1951. 58.8 P872

61013 DECKER, J. Cut in on the power mower boom. Elect. Merchandising 83(6):58-61. June 1951. 335.8 EL242

61014 DEROSE, R. L. Easy way to harvest grass and legume seed. Elect. Farm 24(6):12. June/July 1951. 335.8 EL27

Equipment.

61015 GOOS, U. Mähversuch bei Heinrich z. Felde. Obstbauversring. Mitt. 1950:99-100. Sept. 1/15, 1950. 85 J76

Equipment.

61016 HAMACHEK, R. L. How to do it! Getting the most from your pea viner. Canning Trade 73(47):6. June 11, 1951. 286.8 T67

61017 HURT, E. F. Combined harvesting of sunflower. Power Farmer 6(5):26-28. May 1951. 58.8 P872

61018 JEBERIN, H. Neue zuckerrübenerntemaschinen in Wörlingerode. Hannoversche Land- u. Forstwirtschaft. Ztg. 103:1040-1041. Nov. 18, 1950. 18 H194

61019 LATYSHEV, M. S. Threshing and cleaning of clover seeds. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseiannie i semenovodstvo mnogoletnikh trav, p.580-584. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32

61020 REHRL, K. Die überholung des grasmäähers. Landwirtschaft 1951:69-71. Feb. 1951. 19 L235

61021 SPENGLER, H. Bindemäher ohne elevator (schrägförderer). Deut. Landwirt. 2:268-269. May 1951. 18 D4822

61022 STOKES, C. M., and REED, I. F. Mechanical harvesting of peanuts; progress made in the USA. Power Farming Austral. & New Zeal. 60(2):41, 43, 45, 47, 51. Feb. 1951. 58.8 P87

61023 WIDT, L. A. DE. The combine in the United States and Europe. (In Dutch.) Nieuwe Veldbode 17:448-449. Mar. 29, 1951. 12 V542N

61024 ZEMSKOV, N. G. Harvesting of grasses and legumes grown for seed with combines. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.564-578. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32

Land Clearing Equipment

61025 JULIA, H. Premiers résultats de la mécanisation des travaux de défrichement sur forêt dense II. Oléagineux 6:211-215. Apr. 1951. 77.8 OL2

61026 SCHICK, H. Stump removal—Pontiac style. Trees 11(4):24. May/June 1951. 99.8 W52
Use of chain-saw.

Processing Equipment Used on the Farm

61027 ANDRADE B. M. DE. Preparación del heno. Agr. Venezol. 15(148):4-5. Dec. 1950. 9.95 Ag8

61028 CULPIN, C. Planning and using the platform [grain] drier. Farmer & Stock-Breeder 65(3211):83-84. May 8, 1951. 10 F228

61029 DITTERICH, VON. Der wurfhäcksler. Württemb. Wchnbl. f. Landwirt. 118:387. May 12, 1951. 18 W96

Hay chopping equipment.

61030 FIALKOV, A. Radius and height of cylinder of a cream separator. (In Russian.) Moloch. Promysh. 11(10):37-38. Oct. 1950. 44.8 M734

61031 GARBADE, H. Meine 30jährigen erfahrungen mit der heuwerbung. Landwirtbl. Weser-Ems 98:230-232. Mar. 15, 1951. 18 L2345
Hay drying racks.

61032 GEHL, D. Threshing; another farm job for the forage harvester. Farm Equip. Retailing. Farm Equip. Retailing 11(6):62,64,66. June 1951. 58.8 F2292

61033 GEHL, R. Threshing chopped grain. Impl. Rec. 48(7):22-23. June 1951. 58.8 Im73

61034 KAISER, W. G. Cooling milk the year round. Dairy Goat J. 29(6):8-9. June 1951. 40.18 M592
Equipment.

61035 KOLYSHEV, P. P. New grain cleaning machines. (In Russian.) In U.S.S.R. Ministerstvo sel'skogo khoziaistva. Travoseianie i semenovodstvo mnogoletnikh trav, p.578-580. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 60.19 Un32

61036 MCVEIGH, H. H. The right machine for your job does it better, faster, cheaper. South. Seedsman 14(5):21,65,67. May 1951. 61.8 So8
Seed cleaning.

61037 PERONNET, A., and VOGLER, E. Le séchage des fourrages; les siccateurs. Potasse 25:93-96. May/June 1951. 57.8 P84
Equipment.

61038 PRESCOTT, T. Modern hay making. Holstein-Friesian World 48:1287-1289, 1335-1340. June 2, 1951. 43.8 H742

61039 SCHMITZ, C., and SCHMITZ, F. J. Die vertellung der milch auf tellerzwischenräume verschiedener weite in einer schleudertrommel. Milchwissenschaft 6:195-200. Ref. June 1951. 44.8 M5933
English summary.
Cream separators.

61040 SNELL, N. Ventilated bins solve the problem. Farmer & Stock-Breeder 65(3209):84-85. Apr. 24, 1951. 10 F228

Drying moist corn.

61041 STEELE, W. N. The right machine for your job does it better, faster, cheaper. South. Seedsman 14(5):20,48-49. May 1951. 61.8 So8
Alfalfa seed cleaning equipment.

61042 WADSWORTH, N. M. The cooling of milk for city supply. New Zeal. J. Agr. 82:213-214. Mar. 1951. 23 N48J

Installing cooling equipment and causes of inefficient cooling.

61043 WALSH, R. S. and ROBERTS, D. Independent unit for warming, straining, and drying honey. New Zeal. J. Agr. 82:227-228. Mar. 1951. 23 N48J

61044 WOLF, A. Der schwedenreuter in Schweden. Deut. Landwirt. Presse 74:103. Apr. 21, 1951. 18 D482

61045 WOODFORDE, J. The platform type grain and crop drier. Gt. Brit. Min. Agr. Agriculture 58:38-40. Apr. 1951. 10 G79J

61046 YONT, L. Y. A new machine in the beet field. Sugar 46(5):31-32. May 1951. 65.8 F11

Leafstripper to prepare sugarbeet tops for feed.

Repair, Maintenance, and Construction Equipment

61047 BAKER, K. Time to check that machinery. Mktg. Activ. 14(2):6-7. Feb. 1951. 1.942 A8M34

61048 BRIGGS, O. Did you ever clean a gutter? Sealtest Dairyman 5(3):14. May/June 1951. 44.8 Sel
Use of equipment.

61049 BROOKS, B. B. Machinery must last longer. Ariz. Farmer 30(10):22-24. May 12, 1951. 6 Ar44

61050 CRUMMY, E. M. Beating the cost of repairs; besides making his own repairs, this farmer knocks scrap together in labor saving devices with an arc welder. Family Herald & Wk. Star 82(20):7. May 17, 1951. 7 F21

61051 KROLIK, E. Practical training in machine repair. (In Russian.) Mashinno-Traktornafä Sta. 10(12):22-27. Dec. 1950. 58.8 M11

61052 PETROV, S. To organize properly the repair of agricultural machines. (In Russian.) Mashinno-Traktornafä Sta. 10(12):39-47. Dec. 1950. 58.8 M11

61053 REHRL, K. Die überholung der maschinen auf dem bauernhof. Landwirtschaft 1951:27-28. Jan. 1951. 19 L235

61054 TIMASHOVA, M. Our experiment in organizing repair and technical care. (In Russian.) Mashinno-Traktornafä Sta. 10(12):18-22. Dec. 1950. 58.8 M11
Shishovskafä Machine-Tractor Station.

Spraying and Dusting Equipment

61055 BIONDI, L. New equipment for plant spraying. (In Italian.) Mondo Agr. 1(27):6. Dec. 31, 1950. 16 M74

61056 GLERUM, J. C. Sprays or mists? (In Dutch.) Nieuwe Veldbode 17:449-451. Mar. 29, 1951. 12 V542N
Equipment.

61057 ORCHARD, H. E. Low volume spraying for weed control. Power Farming Austral. & New Zeal. 60(2):17,19,23,25,27,29,31,73,75,77,79. Feb. 1951. 58.8 P87
Equipment.

61058 RODRIGUEZ JURADO, A. Las máquinas en la lucha contra las plagas. Mundo Agr. 2(19):79-80. Dec. 1950. 9 M92

Control of insects, fungus diseases, and weeds.

61059 SCHOCH, G. Interessantes anbau-baumspritzgerät. Tech. f. Bauern u. Gärt. Ausg. A 3:99-100. Feb. 25, 1951. 58.8 T223

61060 VALLES NADAL, L. Modernos sistemas de pulverizaciones para frutales. Cult. Mod. 34:57-58. Feb. 1951. 15 C89

Spraying equipment.

61061 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Calibrating a weed sprayer. Wash. State Col. Ext. Mimeog. 974,2 p. Mar. 1951. 275.29 W27Mi

Vehicles

61062 ANDERSON, M. I. Are you hiring airplane service? Prog. Farmer, Miss.-Ark.-La. Ed. 66(6):15,99. June 1951. 6 So81

Farm jobs now being done by airplane and how to select the operator or firm to do the job.

61063 BARATTE, J. La grande pitié de la motoculture française ou la croisade du carburant. Cahiers des Ingén. Agron. 6:15. First Q. 1951. 14 C112
Tractors.

61064 BENFORD, H. How I train tractor operators; a report of successful practices of mechanized farmers. Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(3):18. Mar. 1951. 6 P945G

61065 BONDAREV, M. For economizing on petroleum [fuel] products [at machine-tractor stations in Saratov Region]. (In Russian.) Mashinno-Traktornafä Sta. 10(12):27-29. Dec. 1950. 58.8 M11

61066 BYRNE, R. J. Help your truck live longer. News Farmer Coop. 18(2):3-4,20. May 1951. 166.2 N47

61067 CHRISTIAN, J. Le fumier de ferme produit un gaz qui est un excellent carburant. Bas-Rhin Agr. 19:218. May 12, 1951. 14 B29

61068 CLAYTON, E. S. Tractor use in the Eastern Counties. Power Farmer 6(5):29-30. May 1951. 58.8 P872

61069 DARCY, R. Entretenez votre tracteur. Terre Nouvelle 94:6. Apr. 7, 1951. 281.8 T272

61070 DESMEDT, L. Quelques considérations d'ordre économique sur l'utilisation des chevaux et des tracteurs agricoles en Belgique. Rev. de l'Agr. 4:167-175. Feb. 1951. 13 R322

English summary.

61071 ENGELHARD, J. Un constructeur, un moteur, un tracteur de grand mérite. Rustica 24:394. Apr. 29, 1951. 14 R92

- 61072 ERGEBNISSE der schleppererhebung 1950 in Bayern. Bayern in Zahlen 5(sup.), 21 p. Feb. 1951. 265 B34
Statistics.
- 61073 FLEMING, R. Workhorse with wings. Crops & Soils 3(8):22-24. June/July 1951. 6 W55
Aircraft in agriculture.
- 61074 GERALD, V. G. P. That battery of yours; some things you ought to know to get the maximum use out of it for the longest time. Country Guide 70(5):46-47. May 1951. 7 G76
- 61075 HUFNAGLE, D. How to service a tractor ignition system. Successful Farming 49(7):94,96,97. July 1951. 6 Su12
- 61076 JONGEBREUR, C. C. Tractor power. (In Dutch.) Nieuwe Veldbode 17:447. Mar. 29, 1951. 12 V542N
- 61077 KITCHING, H. W. Motor oils and [tractor] engine lubrication. Farmer's Mag. 48(2):45-48. Feb. 1951. 7 C165
- 61078 KRETOV, N., and KRETOVA, N. Traktor STZ-KHTZ [STZ-KHTZ tractor]. Ed. 3, rev. & enl. Moskva, Moskovskii Rabochii, 1951. 454 p. 58 K88
- 61079 KÜHN, F. Der weg des ackerschleppers. Landtechnik 6:310-312. May 1951. 58.8 L235
Germany.
- 61080 MARINENKO, A., and PEREVERZEV, A. To lengthen the time of service of S-80 and DT-54 tractor fuel apparatus. (In Russian.) Mashinno-Traktornaja Sta. 10(12):32. Dec. 1950. 58.8 M11
- 61081 MINDERHOUD, J. What requirements must a modern tractor satisfy? (In Dutch.) Nieuwe Veldbode 17:446. Mar. 29, 1951. 12 V542N
- 61082 OLVER, E. F., MOWERY, A. S., and CLYDE, A. W. A home built wagon box. Pa. Agr. Expt. Sta. Prog. Rpt. 45, 4 p. Mar. 1951. 100 P381P
- 61083 OZERSKII, A. S., and TREPENENKOV, I. I. Traktor "Kirovets D-35" [Kirovets D-35 tractor]. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 392 p. (Uchebnykh i Uchebnye Posobiia dlia Podgotovki Sel'skokhoziaistvennykh Kadrov Massovoi Kvalifikatsii) 58 Oz3
- 61084 PÉCUNIA, Le tracteur au verger commercial. Rustica 24:327,329. Apr. 15, 1951. 14 R92
- 61085 PETRIE, B. New Zealand wants more tractors. Power Farmer 6(6):41. June 1951. 58.8 P872
- 61086 PICARD, R. Rendements et pertes de puissance des moteurs de tracteurs. Culture 28:11-15. Apr. 1951. 14 C894
- 61087 PROMERSBERGER, W. J. LP gas or gasoline? Dakota Farmer 71(10):12. May 19, 1951. 6 D14
Advantages of various tractor fuels.
- 61088 RAAB, J., EICHINGER, J., and HELLER, F. Die motorisierung in der bayerischen landwirtschaft; ergebnisse der schleppererhebung vom 14. april 1950. Bayern in Zahlen 5:55-62. Feb. 1951. 265 B34
- 61089 REYNOLDS, P. A. Tractor maintenance. 6. Tyre care. Grower [London] 35:968-969. May 12, 1951. 286.83 M34
- 61090 SCHRECK, F. O. Spring tonic for tractors. Excavating Engin. 45(5):25,63. May 1951. 290.8 Ex2
- 61091 SIECK, K. A. He who lubricates right - drives well. (In Danish.) Tolvmandsbladet 23:46-48,50. Feb. 1951. 11 T58
Tractors.
- 61092 SILVA, N. A. DA. The economic problem of a tractor. (In Portuguese.) Seleç. Agr. 6(58):54. Feb. 1951. 9.2 Se4
- 61093 STAUSS, W. Der schlepper im landwirtschaftlichen betrieb. Landtechnik 6:313-314. May 1951. 58.8 L235
- 61094 STEINER, H. Der luftbefeuchte ackerwagen. Kärntner Bauer 101:84-85. Feb. 15, 1951. 19 K14
- 61095 TAYLOR, M. E. Will the horse stage a comeback? Despite increased costs of fuel and repairs there will be little going back from the tractor. Farmer & Stock Breeder 65(3212):76. May 15, 1951. 10 F228
- 61096 THOMSON, J. Spring's the time. Prairie Farmer, Ill. Ed. 123(9):22-23. May 5, 1951. 6 P883B
Tractor maintenance.
- 61097 TRESSIDER, C. G. Correct lubrication; a vital factor in efficient tractor operation. Power Farmer 6(6):30-31. June 1951. 58.8 P872
- 61098 U. S. BUR. OF THE CENSUS. INDUSTRY DIV. Tractors 1949. Washington, 1950. 9 p. 157.41 F1166
- 61100 AZEVEDO, R. N. C. Rural construction. (In Portuguese.) Gaz. do Agr. 3:71-72. Mar. 1951. 24 G25
- 61101 BENOY, W. G. Design and layout of farm buildings. In Gt. Brit. Ministry of Agriculture and Fisheries. Fixed equipment of the farm, p.14-27. London, H. M. Stationery Off., 1950. 10 G79F1
Includes discussion.
- 61102 CARTER, D. G., and HINCHCLIFF, K. Useful new farm building; features and advantages. Capper's Farmer 62(6):20,46. June 1951. 6 M693
- 61103 DRIFTMIER, R. H. Take care of your roofs. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(5):38. May 1951. 6 P945K
- 61104 ELGAR, N. E. B. A land agent's bookshelf. III. Farm buildings. Land Agents' Soc. J. 50:159-161. Apr. 1951. 282.9 L22
- 61105 KULKE, E. Gestaltungsforderungen im landwirtschaftlichen bauwesen. Hannoversche Land- u. Forstwirt. Ztg. 103:944-945. Oct. 21, 1950. 18 H194
- 61106 LANGDON, A. J. Farm building design. Land Agents' Soc. J. 50:11-20. Ref. Jan. 1951. 282.9 L22
- 61107 LEBER, G. Si vous construisez un nouveau bâtiment, sachez le protéger contre les éléments. B. des Agr. 47(4):9-10,94-95. Apr. 1951. 7 B872
- 61108 PARRI, E. Modern and healthy housing for livestock and cottages for men. (In Italian.) Lotte Contadine 1(9):1. Nov. 5, 1950. 16 L91
Italy.
- 61109 RIVERA-SANTOS, L. Puerto Rico has new approach to low-cost rural housing problem. J. Housing 8:167-169. May 1951. 296.28 J82
- 61110 RUDEL, E. Bauschäden und baufehler. Landwirtschaft 1951:106-107,143-146. (Cont.) Mar.-Apr. 1951. 19 L235
Austria.
- 61111 SPENDL, C. Bausorgen am lande. I. Kärntner Bauer 101:119-120. Mar. 1, 1951. 19 K14

Animal Shelters and Animal Service Buildings

- 61112 ADAMS, R. C. What is the modern milking parlor? (In Portuguese.) Fazenda 46(5):39. May 1951. 6 H11P
- 61113 ALIKAEV, V. A., and PTASHKIN, A. A. Microclimate of unheated stall for calves. (In Russian.) Veterinariia 28:30-32. Jan. 1951. 41.8 V6426
- 61114 BALFOUR-MELVILLE, R. L. A crush pen for cattle. Land Agents' Soc. J. 50:115-116. Mar. 1951. 282.9 L22
- 61115 BAY, C. New loafing and milking parlor is popular with Mo. dairyman. Mo. Col. Farmer 43(4):7. Jan. 1951. 6 M691
- 61116 BONFIELD, J. P. Well planned modern milk house for less work, better milk. Business farming 10(3):13. Apr. 1951. 6 B96
- 61117 DALE, A. C. An all-purpose house. Poultry Tribune 57(5):9,15-16. May 1951. 47.8 P8642
Plans.
- 61118 DAVIDSON, H. R. Housing for pigs. In Gt. Brit. Ministry of Agriculture and Fisheries. Fixed equipment of the farm, p.35-40. London, H. M. Stationery Off., 1950. 10 G79F1
- 61119 DAVIES, C. N. Ventilation and its application to poultry keeping. Poultry Field 4(2):22-23. June 7, 1951. 47.8 P8655
- 61120 DOAK, B. B. Here's a complete plan for better barn management. Agr. Leaders' Digest 32(5):8-10,23. May 1951. 275.28 Am3
Layout.
- 61121 ELITSCHKA, M. Die belichtung unserer ställe. Landwirtschaft 1951:72-73. Feb. 1951. 19 L235
- 61122 FARMER, S. Planned buildings for milk; a compact, accessible and space-saving Hampshire layout. Power Farmer 6(6):20-22. June 1951. 58.8 P872
- 61123 FINN, H. Poultry housing systems. In Gt. Brit. Ministry of Agriculture and Fisheries. Fixed equipment of the farm, p.40-45. London, H. M. Stationery Off., 1950. 10 G79F1
Includes discussion.
- 61124 FLANAGAN, J. E., and CASTILLO, N. Cober-tizo al aire libre para pollos. Cent. Nac. de Agron. C. Agr. 16, 4 p. Sept. 1950. 8 Sa54C
- 61125 FORTIN, G. N. La stabulation libre. Terre de Chez Nous 23(6):8-9. Apr. 4, 1951. 7 T27
Cattle.
- 61126 HADDON, S. G. Movable poultry housing. New Zeal. J. Agr. 82:222-224. Mar. 1951. 23 N48J
- 61127 HARDY, W. H. How to build a skyscraper range shelter. Everybodys Poultry Mag. 56(6):12-13. June 1951. 47.8 F213P

FARM STRUCTURES AND RURAL HOUSING

- 61099 AIELLO, F. The cost of rural construction in the land reform territories. (In Italian.) Agr. Ital. 2:80-82. Feb. 15, 1951. 16 Ag822

61128 HARRINGTON, W. C. Broiler factories. New Eng. Homestead 124(9):25,28. May 12, 1951. 6 N442 Poultry houses.

61129 HARTMAN, W. J. Elevated milking parlor, more milk, less work. Mont. Farmer-Stockman 38(15): 49. Apr. 1, 1951. 6 M764

61130 HERREN, F. Ein neuer weg in der gemeindlichen bullenhaltung. Bad. Landwirt. Wchnbl. 118:172-173. Mar. 17, 1951. 18 B142 Chiefly housing.

61131 JENNINGS, J. Is your battery house properly ventilated? Mod. Poultry Keeping 64:565. May 23, 1951. 47.8 Eg3

61132 JOHNSTON, R. B. Time saved by pit-type milking barn. Miss. Farm Res. [Miss. Sta.] 14(3):8. Mar. 1951. 100 M69M1

61133 KENNEY, R. Accommodation for dairy and beef cattle. In Gt. Brit. Ministry of Agriculture and Fisheries. Fixed equipment of the farm, p.27-35. London, H.M. Stationery Off., 1950. 10 G79F1 Buildings, equipment, care.

61134 MATA LLANA VENTURA, S. La iluminacion artificial del gallinero. Siembra [Madrid] 7(3):3-5. Mar. 1951. 15 S11

61135 MISSOURI UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Plans for combination milk house & milking barn; tandem arrangement, elevated-platform milking, three stall type. Columbia, 1950. folder. (Plan 18-723-C1) 275.29 M69PL

61136 MISSOURI UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Plans for combination milk house & milking barn; U-shaped arrangement, elevated-platform milking, three-stall type. Columbia, 1950. folder. (Plan 18-723-C1) 275.29 M69PL

61137 NORTH, A. D. Pig housing. Austral. Dairy Rev. 19(3):8. Mar. 1, 1951. 44.8 Au73

61138 POULTRY TRIBUNE. SERV. DEPT. Build a summer shelter. Poultry Tribune 57(5):7. May 1951. 47.8 P8642

Plans.
61139 ROBISON, M. F. Tomorrow's dairy barn today! Farm Builder 1951:12-16. May/June 1951. 296.8 F222

61140 SAWIN, P. B. How an American research station houses its rabbits. Fur & Feather 114:343. May 31, 1951. 49 F96

61141 SCHLEWSKI, G., and JACKEL. Praktische krippen, bessere ställe. Arb.gemeinsch. z. Förd. des Landwirt. Bauw. ALB[-Schrreihe.] 1,34 p. Feb. 1950. 18 Ar1

English summary.

61142 SCHMIDT, H. W. Die stallhygienisch ausgerichtete bekämpfung der ratten. Monatsh. f. Vetmed. 6: 115-117. Mar. 15, 1951. 41.8 M742

61143 SERRES, O. DE. Les locaux de stabulation. Nord Agr. 7(21):3. Mar. 23, 1951. 14 N75

61144 SPARKS, W. T. Controlling the mud nuisance. Milk Bd. J. 2:13-14. Jan. 15, 1951. 44.8 M5934 In cattle yards.

61145 STRATTON, C. L. Keeping layers cool. Everybodys Poultry Mag. 56(6):11. June 1951. 47.8 F213P

61146 TRITSCHER. Für die melkerschaft: über die notwendigkeit regelmässiger stallreinigung. Mitt. f. die Arb. u. Angestellten in der Land- u. Forstwirtschaft. 13:3. Jan. 24, 1951. 283.8 M69

61147 TYMNIAK, M. A plan of a regional animal's hospital. (In Polish.) Med. Weter. 7:124-126. Feb. 1951. 41.8 M463

61148 VAN ARSDALL, R. N. What are the costs of dairy housing? Ill. Farm Econ. 190/191:1144-1150. Mar./Apr. 1951. 275.28 IL5

61149 WALTERS, A. H. Hypochlorite in the cowshed. Dairyman 68:257-259, 265. May 1951. 44.8 D1426

61150 WEISHEIT, H. Schweinezucht und haltung in gesunden und billigen ställen. Pflug 4:30-33. Feb. 1951. 19 P48

Austria.

61151 WILKINSON, G. Cows pay for milking parlor. Elect. Farm 24(6):11. June 1951. 335.8 EL27

61152 WILSON, W. O. Cooling poultry houses with water. Nulaid News 29:6-7. May 1951. 47.8 N917

Farmhouses and Farmsteads

61153 HEINER, M. K., and STEIDL, R. E. Let your kitchen arrangement work for you. N. Y. Agr. Col. Cornell Ext. B. 814,8 p. Apr. 1951. 275.29 N48E

61154 JONES, K. S. They remodeled around a stairway. Successful Farming 49(7):41,66. July 1951. 6 Su12

61155 LEFEBURE, C. La construction des petites maisons. Rustica 24:332,341,345. Apr. 15, 1951. 14 R92 Design.

61156 NOYES, H. Farm families can draw house plans. Agr. Leaders' Digest 32(5):36-37,43. May 1951. 275.28 Am3

61157 POIRÉE, M. Une législation spéciale de l'habitat rural s'impose. Génie Rur. 44:160-162. May 1951. 58.8 Au8

France.

61158 RANDOLPH, C. Picture windows on the farm; it's the logical place for them. Prairie Farmer, Ill. Ed. 123(11):25. June 2, 1951. 6 P883B

61159 SERS, J. Assainir votre habitation. Rustica 24:283. Apr. 1, 1951. 14 R92

Drainage under the house.

61160 SERS, J. Dans votre logis, plus de lumière et d'air. Rustica 24:353. Apr. 22, 1951. 14 R92 Window construction.

61161 STOTT, W. B. Rural housing. Pub. Health 64: 101-103. Mar. 1951. 449.8 P96

Great Britain.

61162 STRANTZ, A. Wärmeversorgung im bauernhaus. Landwirtschaft 1951:33-34. Jan. 1951. 19 L235

Austria.

61163 STRANTZ, A. VON. Die arbeitsräume der bauerin im hause. Kärntner Bauer 101:216-218. Apr. 15, 1951. 19 K14

61164 SWAN, B. This new home features planned trafficways. Capper's Farmer 62(6):22,57. June 1951. 8 M693

61165 WINDISCH, K. Neue richtlinien für die förderung des landarbeiterwohnungsbaues. Kärntner Bauer 101:218-221. Apr. 15, 1951. 19 K14

61166 ZIMBONE, G. Types of installation for farm workers. (In Italian.) Tec. Agr. 2:150-152. Nov./Dec. 1950. 16 T22

Greenhouses and Plant Service Buildings

61167 RICHARDSON, D. A. Quonset-type glasshouse. New Zeal. J. Agr. 82:219,221. Mar. 1951. 23 N48J

Materials and Methods

61168 COLLINS, H. W. If you want to sell the farmer, show him proof of profit. Sales Mangt. 66(13):76,78,80. June 15, 1951. 280.38 Sa3

Marketing of Celotex insulating board.

61169 ELITSCHKA, M. Im frühjahr bauen wir! Landwirtschaft 1951:31-32. Jan. 1951. 19 L235 Building materials in Austria.

Storage Structures

61170 ANDERSON, R. How about these top-of-the-ground silos? Farm J. 75(6):32-33,144. June 1951. 6 F2212

Construction.

61171 BAUMHART, C. Trench silo produces manifold advantages on New England farm. Goodyear Farm Prog. 7(2):3,7. 1951. 6 G63

61172 BENNION, N. Receiving and handling bulk feeds on the farm. Eggsaminer 28(5):2-3. May 1951. 286.85 Eg32

Description of bins.

61173 BURGUES, S. A. La importancia del silo en el tambo. Res 19:25827-25828. Mar. 20, 1951. 286.85 R31

61174 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Design of farm grain stores. Gt. Brit. Min. Agr. & Fisheries. Fixed Equip. Farm. L. 10,23 p. 1951. 10 G7944

61175 HARDT-STREMAYR, W. Rund um den silo. Kärntner Bauer 101:81. Feb. 15, 1951. 19 K14

61176 HERTRICH. Das melkmaschinenhäuschen. Württemb. Wchnbl. f. Landwirt. 118:381. May 12, 1951. 18 W96

61177 LINN, J. W. Your farm may profit from a trench silo. Hoard's Dairyman 96:429,434. May 25, 1951. 44.8 H65

61178 MARRYATT, E. R. Stacking rectangular-baled hay in the open; efficient method devised by Opatiki farmer. New Zeal. J. Agr. 82:152-156. Feb. 1951. 23 N48J

61179 SERS, J. Les silos à grains "aérés" métalliques. Rustica 24:331. Apr. 15, 1951. 14 R92

61180 VELLACOTT, A. S. Why make poor hay? Farmer & Stock Breeder 65(3212):74-75. May 15, 1951. 10 F228

Hay cocks and how to build them.

61181 VILLAMIZAR JARAMILLO, A. Los silos y el ensilaje; un nuevo tipo de silo para Colombia. Palmira. Estac. Agrostológica. B. Téc. 3,42 p. Jan. 1951. 9.4 P18

Walls and Fences

- 61182 BERTSCH, M. Gates are time wasters! Yes, you'll still need conventional gates, but read how some farmers are saving time with pit gates. *Prairie Farmer*, Ill. Ed. 123(3):1,28. May 5, 1951. 6 P883B
- 61183 BOWERS, R. D. The law on line fences. *Rur. New-Yorker* 101:335,375-376. May 5, June 2, 1951. 6 R88
- 61184 BRIGHTEN, C. W. Cattle-grids. *Roy. Inst. Chartered Surveyors. J.* 30:829-831. Apr. 1951. 282.9 C38J
- 61185 BROADHEAD, A. R. Fencing methods and costs. *Gt. Brit. Min. Agr. Agriculture* 58:33-37. Apr. 1951. 10 G79J
- 61186 CASTLE, M. Electric fencing for controlled grazing. *Dairy Farmer* 24(6):17. June 1951. 44.8 D1414
- 61187 DEVILLE, J. Quelques réparations de murs. *Rustica* 24:209,225. Mar. 11, 1951. 14 R92
- 61188 GRAY, T. D. Fences for home grounds. *W. Va. Agr. Col. Ext. Landscape Ser.* 16,6 p. n.d. 275.29 W522La
- 61189 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Farm gates. *Gt. Brit. Min. Agr. & Fisheries. Fixed Equip. Farm. L.* 8,17 p. Jan. 1951. 10 G7944
- 61190 KRUEGER, W. C. Do you build fences to last? *Farm Builder* 3(2):20-21. Mar./Apr. 1951. 296.8 F222
- 61191 RADEMACHER, H. Der elektröweidezaun—wirksamer schutz gegen kaninchen und hasen. *Tech. f. Bauern u. Gärt. Ausg. A* 3:120-121. Feb. 25, 1951. 58.8 T223
- 61192 SCHARENBERG. Einzäunungen—winterarbeiten. *Hannoversche Land- u. Forstwrt. Ztg.* 104:89. Jan. 27, 1951. 18 H194
- 61193 SNYDER, H. How to build woven-wire fence. *Mont. Farmer-Stockman* 38(15):26-27. Apr. 1, 1951. 6 M764

FARM UTILITIES

Electricity and Electrification

- 61194 BOUDREAUX, M. W. A co-op within a co-op; Northeast Missouri Electric Power Cooperative puts three 3,500 HP. Fairbanks-Morse Diesels into service to supply six REA member co-ops. *Diesel Prog.* 17(3):41-43. June 1951. 291.8 D56
- 61195 BROWN, C. A. C. Electrical applications. In *Gt. Brit. Ministry of Agriculture and Fisheries. Fixed equipment of the farm*, p.63-69. London, H. M. Stationery Off., 1950. 10 G79Fi
- Includes discussion.
- 61196 CALHOUN, J. L. What does electric service cost? *South. Planter* 112(6):2-3. June 1951. 6 So89
- 61197 CERNOWSKY, W. Die landwirtschaft und das geplante neue elektrizitätsgesetz. *Landwirtschaft* 1951: 81-83. Mar. 1951. 19 L235
- Austria.
- 61198 CONANT, G. We took our story to the people—result: State support for rural electric co-ops in California. *Rur. Electrification* 9(8):30,54. May 1951. 335.8 N21
- 61199 MCDONALD, F. G. A cheap and efficient source of labour; Rural Electrification Extension Service advocated to supply information on advantages of power on farms; United States system a fine example to Union [of South Africa]. *Farmer's Wk. [Bloemfontein]* 81:10-11, 13. May 2, 1951. 24 F225
- 61200 MILES, F., JR. How REA foes plot program's downfall. *Rur. Electrification* 9(7):31,50. Apr. 1951. 335.8 N21
- 61201 NATIONAL COMMITTEE ON BOYS AND GIRLS CLUB WORK. 1950 national 4-H farm and home electric awards program. *Chicago?* 1950? 4 p. 275.29 N217N
- 61202 PERKINS, G., JR. Idaho co-op kills sellout move. *Rur. Electrification* 9(8):23,56. May 1951. 335.8 N21
- Electricity cooperative.
- 61203 RILEY, B. R. Power for production. 3. Skill, perseverance solve industrial load problem. *Rur. Electrification* 9(7):27. Apr. 1951. 335.8 N21
- Electricity cooperatives.
- 61204 SCHERUGA. Die sicherung elektrischer leitungen. *Landwirtschaft* 1951:71-72. Feb. 1951. 19 L235
- 61205 SCHERUGA. Der widerstand elektrischer leitungen. *Landwirtschaft* 1951:24-27. Jan. 1951. 19 L235
- 61206 STAFFORD, J. M., JR. Private power plans in Missouri; Missouri keeps pace with the rest of the nation in customer growth; some facts about power demands of rural cooperatives in that state and how they are met. *Pub. Util. Fortnightly* 47:784-788. June 7, 1951. 280.8 P966
- 61207 THOMAS, E. H. Arkansas G-T battle continues. *Rur. Electrification* 9(8):31. May 1951. 335.8 N21
- Electric cooperative.

- 61208 TOMLINSON, J. W. Farm electrification—then and now. *Elect. News & Engin.* 60(12):79-80,176. June 15, 1951. 335.8 EL224
- 61209 U. S. RURAL ELECTRIFICATION ADMIN. Horizontal surface condenser specifications. Washington? 1951. 11 p. 1.933 H78
- 61210 U. S. RURAL ELECTRIFICATION ADMIN. specifications for step-down substation transformers for use on REA borrower systems. Washington, 1951. 3 p. 1.933 Sp322
- 61211 WALLACE, E. Area coverage completed. *Pub. Power* 9(6):14-16. June 1951. 335.8 P96
- Electricity cooperative.
- 61212 WIENER, F. Elektrownie durch seilzüge und seilbahnen. *Kärntner Bauer* 101:243. May 1, 1951. 19 K14

Heating, Lighting, and Radiation

- 61213 BUSH, R. This year's efforts at protection from frost. *Grower [London]* 35:966-968. May 12, 1951. 286.83 M34
- Equipment for orchard protection.
- 61214 FERAUD, L. Agriculteurs avec votre fumier, produisez du gaz et assurez votre chauffage et éclairage. *Terre Nouvelle* 98:5. May 5, 1951. 281.8 T272
- 61215 FRANZ, H. Die biologische methangaserzeugung. *Kärntner Bauer* 101:77. Feb. 15, 1951. 19 K14
- Manure gas.
- 61216 HAUSER, U., SINDEN, J. W., and HAUSER, E. Low voltage cable heating in mushroom beds. *Mushroom Sci.* 1:34. 1950. 80 M972
- 61217 MCHENRY, S. Poultry heating systems. *Del. U. Agr. Ext. B.* 50,20 p. Nov. 1950. 275.29 D37
- 61218 RUSSELL, E. N. Domestic heating. *Estate Mag.* 51:197-199. May 1951. 13 Es8

Power Plants Motors and Engines on the Farm

- 61219 ABIET, P. Les applications du gaz de fumier au chauffage des locaux et à l'alimentation des moteurs. *Agr. Prat.* 115:248-250. May 1951. 14 J82
- 61220 DEMORTIER, G. La production de gaz combustible à la ferme. *Rev. de l'Agr.* 4:147-155. Feb. 1951. 13 R322
- English summary.
- Manure gas.
- 61221 HESNARD, J. Caractéristiques des carburants et combustibles utilisés en agriculture. *Culture* 28:7-10. Apr. 1951. 14 C894
- 61222 MACHEN, H. For the small marginal farm; power is essential to survival. *Power Farmer* 6(6):26-27. June 1951. 58.8 P872
- 61223 MILLER, R. H. P. Gasogens. *U. S. Forest Serv. Forest Prod. Lab. Rpt.* R1463, rev., 4 p. Mar. 1951. 1.9 F761R
- 61224 SEIFERT, A. Entwicklung von zweistakt-otto-motoren. *Landtechnik* 6:375-376,378-380. May 1951. 58.8 L235

Sewage and Waste Disposal

- 61225 HAZEN, T. E. Build septic tanks right. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(3):76,96. Mar. 1951. 6 P945G
- 61226 INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. The sanitary privy. *Purdue U. Agr. Ext. B.* 360,15 p. 1950. 275.29 In2E
- Indiana State Board of Health and Purdue University Engineering Extension Department cooperating.
- 61227 INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Septic tank sewage disposal systems for farm and suburban homes. *Purdue U. Agr. Ext. B.* 361,31 p. 1951. 275.29 In2E
- Indiana State Board of Health and Purdue University Engineering Extension Department cooperating.

Telephones

- 61228 HAGGARD, G. W. REA aids small companies. *Telephone Engin. & Mangt.* 55(6):38-39. June 1951. 335.8 T232
- Telephone loans.
- 61229 OSBORNE, E. J. Battle may decide rural phone future. *Rur. Electrification* 9(7):33,52. Apr. 1951. 335.8 N21

Water Supply

- 61230 ANAKIN, I. A. Mekhanizatsiya vodosnabzheniya zhivotnovodcheskikh ferm [Mechanization of water supply on the livestock raising farms]. *Novosibirsk, Novosibirskoe Obl. Gos. Izd-vo*, 1950. 63 p. (Biblioteka Mekhanizatorov v Zhivotnovodstve) 292 An1

- 61231 **ANGSTER, H. C.** Running water protects farm health. *Carolina Farmer* 6(5):8,19. May 1951. 6 C223
Also in *Amer. Hampshire Herdsman* 26(5):22-23. May 1951. 46.8 Am33
- 61232 **CARLOSS, H. E.** Problems due to increased use of water on the farm. *Plumbing & Heating J.* 112(9):102-104. June 1951. 291.8 P73
- 61233 **CASA PACHECO, MARQUES DE.** La radioelectesia. *Stembra [Madrid]* 7(3):10-11. Mar.1951. 15 Si1
- 61234 **ELAM, F. L.** Pumps: key to your water system. *West. Dairy J.* 7(7):17-20. May 1,1951. 44.8 W524
- 61235 **ENGELHARD, J.** Les travaux d'adduction d'eau et d'électrification rurale ne seront pas ralentis. *Rustica* 24:463. May 20,1951. 14 R92 France.
- 61236 **LATIMER, R. A.** Door-opener to rural sales. *Elect. So.* 31(5):74-76,94-95. May 1951. 335.8 EL234
Selling of electric water systems.
- 61237 **LORENTE VAZQUEZ, J.** Aumenta el consumo urbano de agua y disminuye el agrícola. *Rev. Sind. de Estadis.* 5(20):47-48. Oct./Dec.1950. 263 Es8B Spain.
- 61238 **NIEMANN, R.** Unsichtbare strahlungen; aus dem leben eines alten wünschelruten-fachmannes. *Hannoversche Land- u. Forstwirt. Ztg.* 103:1010,1035-1036, 1059-1060,1083-1084,1115-1116,1139-1140,1163-1164;104:155-156,228. (To be cont.) Nov.11-Dec.23,1950;Feb.17, 1951,Mar.10,1951. 18 H194
- 61239 **PETIT, K. L.** La distribution d'eau potable a la ferme et son incidence sur la réduction du temps de travail. *Rev. de l'Agr.* 4:271-283. Mar.1951. 13 R322
English summary.
- 61240 **SWINK, E. T.** Profit grows when water flows. *South. Planter* 112(6):12-13. June 1951. 6 So89
Water system on the farm.
- 61241 **WRIGLEY, J.** Water and electricity supplies on farms in Scotland. *Scot. Dept. Agr. Scot. Agr. Econ.* 1:23-34. 1950. 281.9 Sco3S

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

- 61242 **BAKER, B.** Wartime food procurement and production. New York,King's Crown Press,1951. 219 p. 389 B174
Includes work of the War Food Administration.
- 61243 **BRADFORD, E. A. M.** Food production in Morocco. *Food [London]* 20(236):177-180. May 1951. 389.8 F738
- 61244 **BULLIS, H. A.** General Mills' progress shows what teamwork means to food processor. *Food Engin.* 23(6):105-109,169. June 1951. 389.8 F737
- 61245 **BUTTERWORTH, C. E.** Wheat, oilseeds and coffee most important of Ethiopian crops. *Foreign Trade* 9:798-800. May 12,1951. 286.8 C162
- 61246 **CATHOLIC ASSOCIATION FOR INTERNATIONAL PEACE. SUBCOMMITTEE ON AGRICULTURE.** Can the world feed itself? A report, by C.ENZLER. Washington,1950. 24 p. (Catholic Assoc. Internatl. Peace Pam. 45) 389 C28
- 61247 **DEGRAFF, H.** Can the world feed its population? *J. Home Econ.* 43:411-415. June 1951. 321.8 J82
- 61248 **DEGRAFF, H.** For dinner, will you have corn or meat? *Amer. Agr.* 148:329,343. June 2,1951. 6 Am3
Food supply situation.
- 61249 **DUNBAR, J.** Balancing food and population. *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:5-6. Apr.26,1951. 275.29 In2Em
- 61250 **DUNBAR, J.** The food problem in today's world. *I. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:3-4. Feb.23,1951. 275.29 In2Em
- 61251 **FLEISCHMANN, O.** Auftakt zu neuen erfolgen der ernährungspolitik. *Versorgung* 5:52-53. Mar.1951. 280.8 V61
Russian Zone of Germany.
- 61252 **FRANCE. DIRECTION DE LA DOCUMENTATION.** L'évolution économique de la Malaisie (1945-1950). France. Dir. de la Doc. Notes et Etudes Doc. 1455,27 p. Mar.27,1951. 280.9 F843
Includes agricultural products and trade.
- 61253 **FUGGLES-COUCHMAN, N. R.** The work of the Overseas Food Corporation in relation to the British diet. *Brit. J. Nutr.* 4:74-77. 1950. 389.8 B773
- 61254 **GONZÁLEZ GALE, J.** Población y subsistencias. *Cien. e Invest.* 7:78-80. Feb.1951. 475 C482

- 61255 **GRANT, W.** Science's influence on foods. *Macaroni J.* 33:34-35,48. May 1951. 298.8 N46
- 61256 **HERBETTE, F.** Rubber and Asia's food problem. *Rev. Gén. du Caoutchouc* 28:349. May 1951. 305.8 R32
- 61257 **HOOS, S.** Should we expand our home food production? *Calif. Farm Bur. Mon., North. Ed.* 32(5):1, 23. May 1,1951. 275.293 California
- 61258 **HOWARD, J. O.** An analysis of the present food situation, subsidy plans, and proposed programs. (Sum.) Washington,U. S. Off. Foreign Agr. Relat., 1951. 7 p. 1.943 H84
Summary of remarks before the Vermont Labor and Farm Conference, Plainfield, Vt., Jan. 26, 1951.
- 61259 **INOUE, I.** The rational route to rehabilitation. *Certif. Milk* 26(5):8-10. May 1951. 44.8 C33
Food and agricultural outlook in Japan.
- 61260 **KENNEDY, S. M.** Wholesale grocery business as it is today. *Wholesale Grocer News* 26(3):23-24,27. June 1951. 286.83 W622
- 61261 **KING, G. J. S.** Food aspects of the 1851 exhibition. *Food [London]* 20(236):183-186. May 1951. 389.8 F738
- 61262 **LEVERTON, R. M.** Feeding the world's children. (Digest.) *Pract. Home Econ.* 29:240. May 1951. 321.8 H752
Food policy.
- 61263 **MADAN, B. K.** Food production survey in Bombay State. *Reserve Bank India. B.* 5:6-10. Jan.1951. 284.9 R31B
- 61264 **MARZI, G. DE.** Government policy in the food sector. (In Italian.) *Mezzogiorno Agr.* 7(6):1-2. Feb. 10/17,1951. 16 M57
- 61265 **NOTTIN, P., and COUPEROT, G.** Les industries agricoles au Salon de la Machine Agricole 1951. Acad. d'Agr. de France. *Compt. Rend.* 37:209. 1951. 14 P215Bc
- 61266 **POSE.** Der volkseigene sektor in der lebensmittelindustrie. *Versorgung* 5:14-15. Jan.1951. 280.8 V61
Russian Zone of Germany.
- 61267 **STIEBELING, H. K.** Food—an international concern. *Amer. Dietet. Assoc. J.* 27:369-372. May 1951. 389.8 Am34
- 61268 **TRIGG, R. S.** Food in the defense effort. *Calif. Grocers Advocate* 56(14):9,26. Apr.6,1951. 286.28 C12
- 61269 **WAHLEN, F. T.** L'expérience de guerre de la Suisse en matière d'alimentation. Paris,Dunod,1950. 31 p. (Les Hommes et leur Nourriture) 389 W12
- 61270 **ZIMMERMANN, E. W.** World resources and industries; a functional appraisal of the availability of agricultural and industrial materials. Rev. ed. New York,Harper,1951. 832 p. Ref. 278 Z6
Contains chapters on agricultural products.

ANALYSIS AND COMPOSITION

- 61271 **DANNENBERG, H.** Über die ultraviolett-absorption der proteine. *Angew. Chem.* 63:208-217. May 7,1951. 384 Z33
- 61272 **ENDER, F., and STEEG, H.** Polarographische bestimmung von kobalt und vitamin B12 in biologischem material. *Biochem. Z.* 321:426-450. Ref. Mar.21,1951. 384 B522
- 61273 **FAGERSON, I. S., ESSELEN, W. B., JR., and LICCIARDELLO, J. L.** Heat transfer in commercial glass containers during thermal processing. II. F₀ distribution in foods heating by convection. *Food Technol.* 5:261-262. June 1951. 389.8 F7398
- 61274 **ILUKEWITSCH A., A., and MORA F., R. L.** Modificación del metodo Eber para la determinación del amoníaco. *Agr. Venezol.* 15(148):16-18. Dec.1950. 9.95 Ag8
In food products.
- 61275 **JACOBS, M. B., ed.** The chemistry and technology of food and food products, v. 1. Ed. 2, rev. and augmented. New York,Intersci. Pub.,1951. 858 p. 389 J15C
- 61276 **MCEWEN, W. W. W.** Microbiology for bakery & confectionery students. London,Churchill,1950. 104 p. 448.2 M152
- 61277 **MOSSSEL, D. A. A., and others.** Entrainment distillation as a reference method for the determination of the water content of foods. II-III. *Rec. des Trav. Chim. des Pays-Bas* 70:297-312,331-343. Apr.1951. 385 R24
II, Development of a convenient method of entrainment distillation, by D. A. A. Mossel, and J. F. Reith; III, Application of the method developed to some model substrata, by D. A. A. Mossel, H. A. M. Mossel-Hens, and J. F. Reith.

61278 PIRT, S. J., and WHELAN, W. J. The determination of starch by acid hydrolysis. *J. Sci. Food & Agr.* 2:224-228. May 1951. 382 So12

61279 POOL, M. F., and KLOSE, A. A. Estimation of monocarbonyl compounds in rancid foods. *Amer. Oil Chem. Soc. J.* 28:215-218. Ref. May 1951. 307.8 J82

61280 RADLEY, J. A. The use of fluorescent tracer agents. *Food Mfr.* 26:192-193, 196. May 1, 1951. 389.8 F736

In food analysis.

61281 STARE, F. J., and MANN, G. V. Cholesterol content of foods versus cholesterol content of animal tissues. *Amer. Oil Chem. Soc. J.* 28:232-233. June 1951. 307.8 J82

61282 TAYLOR, G. Analytical chemistry in the service of food and agriculture. *Analyst* 76:263-275. Ref. May 1951. 382 An1

61283 THURSTONE, L. L. Experimental methods in food tasting. *J. Appl. Psychol.* 35:141-145. June 1951. 140.8 J822

61284 TINSLEY, J., TAYLOR, T. G., and MOORE, J. H. The determination of carbon dioxide derived from carbonates in agricultural and biological materials. *Analyst* 76:300-310. Ref. May 1951. 382 An1

61285 WHITE, L. S. Micro-organisms and frosted foods; application of bacteriological findings controlling food quality. *Food Canada* 11(2):22, 24, 26. Feb. 1951. 389.8 F7323

CONSUMPTION AND UTILIZATION

61286 ACETO, N. C., and others. Production of leaf meals from vegetable wastes in rotary alfalfa driers. *Natl. Farm Chemurg. Council. Res. Div. Chemurg. Papers (Ser. A)* 3, 8 p. 1951. 381 N2132

P. W. Edwards, R. K. Eskew, C. S. Redfield, R. F. Hurley, and A. Hoersch, Jr., joint authors.

61287 BROWN, C. No surplus agricultural products. *Land Worker* 32(384):4. May 1951. 283.8 L22

61288 DEVOS, P. Alcool industriel et économique agricole. *Bouches du Rhône Agr.* 23(1047):4-5. Mar. 15, 1951. 14 B662

Includes discussion of agricultural sources of alcohol.

61289 FELDMAN, H. The armed forces look to America's canning industry. *South. Canner & Packer* 12(3):13-14. Mar. 10, 1951. 389.8 So82

61290 JENKS, F. W. Chemurgy and the people. *Chemurg. Digest* 10(5):7-9. May 1951. 381 N213Na

61291 LOVE, A. B. Consumer education from field to table. *Mich. State Col. Agr. Ext. Mich. Farm Econ.* 100:2-3. Apr. 1951. 275.29 M58A

Consumer education in marketing and distribution of farm products.

61292 MCMILLEN, W. Chemurgy and character. *Chemurg. Digest* 10(5):4-6. May 1951. 381 N213Na

61293 MARTIN, T. T. The relation of chemurgy to industrial development. *Chemurg. Digest* 10(6):9-12. June 1951. 381 N213Na

61294 NATIONAL FARM CHEMURGIC COUNCIL. Cincinnati conference rated tops in scientific papers and exhibits. *Chemurg. Digest* 10(6):4-29. June 1951. 381 N213Na

Discussion and papers of the 16th national conference.

61295 SCHREINER, M. Food wants vs. food wishes. *Wholesale Grocer News* 26(3):22. June 1951. 286.83 W622

61296 SHAW, B. T. Defense needs in the chemurgic field. *Chemurg. Digest* 10(6):16-20. June 1951. 381 N213Na

61297 SIMS, J. W. A farmer views chemurgic activities. *Chemurg. Digest* 10(6):15-16. June 1951. 381 N213Na

61298 SUNLEY, J. H. How consumer surveys can help your product. *Food Canada* 11(1):12-14, 16. Jan. 1951. 389.8 F7323

Canned food.

DISTRIBUTION, MARKETING, AND TRANSPORTATION

61299 ALBERTARIO, P. The pools and their stabilizing function. (In Italian.) *Mezzogiorno Agr.* 7(11):1. Mar. 18/24, 1951. 16 M57

Italy.

61300 ANDERSON, V. C. Dealer listings will triple this year in farm-paper advertisements. *Printers' Ink* 235(10):40-41. June 8, 1951. 238.8 P932

61301 BARROW, R. W. Illinois Central serves country well during its first 100 years. *Traffic World* 87(24):71-74, 76. June 16, 1951. 288.8 T672

Includes promotion of agriculture.

61302 BOLSA DE MERCADORIAS DE SAO PAULO. Relatório da diretoria, contas, documentos e parecer da comissão fiscal assembleia geral ordinaria de fevereiro de 1951 [Report of the management, accounts, documents and opinion of the fiscal commission, general ordinary assembly of February 1951]. São Paulo, 1951. 283 p. 287 B633

Includes data on the marketing of agricultural products.

61303 CHAPRON, C. "La classe agricole est devenue adulte"; c'est le mot d'ordre des paysans canadiens qui réclament des ententes collectives pour la vente de leurs produits. *Unité Paysanne* 6(272):1, 6. Feb. 10, 1951. 14 Un3

61304 EVANS, V. H. Urban and rural municipalities must co-operate on roads. *Roads & Engr. Constr.* 89(3):128. Mar. 1951. 290.8 C16A

61305 FEDERAZIONE NAZIONALE DEI GROSSISTI DELL'ALIMENTAZIONE GENERALE. Costs of wholesale distribution of foods. (In Italian.) *Mercato* 6(16):6. (To be cont.) Apr. 21, 1951. 286.8 M534

Italy.

61306 GALANTINO, T. Costs of distribution and the Milan conference. (In Italian.) *Cam. di Com. Indus. e Agr. Bari. B. (n.s.)* 35(4):1-6. Apr. 1951. 287 B232

Includes agriculture.

61307 GRAY, J. M. Improving the retailing of farm products. *Farmer's Mag.* 48(5):10, 46. May 1951. 7 C165

Canada.

61308 GUNTHER, H. Über das neue transportplanungsverfahren für versorgungsgüter. *Versorgung* 5:11. Jan. 1951. 280.8 V61

Russian Zone of Germany.

61309 GUSLER, G. What's ahead in farm markets? *Nebr. Farmer* 93(8):54-55. Apr. 21, 1951. 6 N27

61310 HALLER, E. M. Mechanical refrigeration cars maintain foods at zero. *Food Canada* 11(3):28, 30. Mar. 1951. 389.8 F7323

61311 HÖNNICKE, E. Die gesetzliche zahlungsfrist an die erzeuger. *Versorgung* 5:9-10. Jan. 1951. 280.8 V61

Compulsory deliveries of agricultural products in the Russian Zone of Germany.

61312 HOOKS, L. G. Virginia market news keeps step with production. *Mktg. Activ.* 14(2):8-9. Feb. 1951. 1.942 A8M34

61313 JAPAN. MONOPOLY CORPORATION. State enterprises under the Japan Monopoly Corporation. Tokyo, 1950. 63 p. (Its Monopoly Ser., No. 4) 280.183 J274Ae

Includes tobacco, salt, and camphor monopolies.

61314 KHAN, N. A. Co-operative marketing of agricultural produce in Uttar Pradesh. *Indian Co-op. Rev.* 16:319-326. Oct./Dec. 1950. 280.28 In2

61315 KOHLS, R. L. Why are marketing costs high? *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:3-5. Apr. 26, 1951. 275.29 In2Em

61316 KRASKA, E. J. Combined effort needed to lick problem of damage. *Canner* 112(24):18-19. June 16, 1951. 286.83 C16

During transportation of canned foods.

61317 LIPPITT, M. L. For more costly distribution. *Wholesale Grocer News* 26(3):17-18, 27-28, 57-58. June 1951. 286.83 W622

61318 MACKIE, J. Riches by the roadside; highway selling in New England and New York already a million-dollar business and still growing. *New Eng. Homestead* 124(8):6-7. Apr. 28, 1951. 6 N442

61319 MITCHELL, W. C. What happens during business cycles; a progress report. *Natl. Bur. Econ. Res. Studies in Business Cycles* 5, 386 p. 1951. 280 M69W

Includes discussion on marketing of farm products.

61320 NIKLAS, Die vierte säule der agrarpolitik. *Allgäuer Bauernbl.* 19:140. Mar. 15, 1951. 18 AL53

Market regulation.

61321 OTTEN, C. J. Technological aspects of planning marketing facilities in Puerto Rico. (Sum.) *Caribbean Comm. Mon. B.* 4:678-680. Feb. 1951. 280.9 C19

61322 PEREZ GARCIA, M. El intermediario. *Rev. de Agr. [San José]* 23:37-38, 40-41. Feb. 1951. 8 Es1

61323 PETERSEN, W. E. Refrigeration of delivery vehicles. *Refrig. Engr.* 59:351-353, 395-396. Apr. 1951. 295.9 Am32J

Trucks for food transportation.

61324 SAVILLE, G. Food transport by road. *Food [London]* 20:230-231. June 1951. 389.8 F738

Great Britain.

61325 SCHUMY, Die funktion der landwirtschaftlichen genossenschaften in der marktwirtschaft. *Österr. Bauernbündler* 7(16):3-4. Apr. 21, 1951. 19 Os7

61326 SHAY, F. M. Food price rise complaints point up growers' need for services of co-ops. *Sunsweet Standard* 34(11):6-7. Apr. 1951. 286.83 Su7

61327 SMITH, R. S. Will the black market return? *N. Y. Agr. Col. Farm Econ.* 180:4703-4705. Apr. 1951. 280.8 C812

61328 TROUT, J. J. Get ready for more frozen food business. *Prog. Grocer* 30(5):72-75, 166. May 1951. 286.83 P942

61329 U. S. EXTENSION SERV. A catalog of educational materials for use with food retailers; trade journals, books and pamphlets, visual aids, miscellaneous. *Rev. Washington*, 1951. 42 p. 1.913 A2C28

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

61330 BILLINGS, A. H. Flavor acceptance vital to product popularity. *Coffee & Tea Indus.* 74(5):67, 69, 73. May 1951. 389.8 Sp4
In food.

61331 CHEFTEL, H. L'étain dans les aliments. *Ann. des Falsif. et des Fraudes* 43:360-361. Oct./Dec. 1950. 389.8 An72
Toxicity.

61332 DAWSON, J. C. Proper raw-material inspections; they're primary in building a practical sanitation program. *Food Engin.* 23(5):91-93, 168-170. May 1951. 389.8 F737

61333 FALCIONE, A. C. Higiene alimenticia. *Esnea* 37(1611):1, 4. Feb. 17, 1951. 44.8 Es5

61334 FLORENTIN, D. Conséquences au point de vue hygienique de l'emploi éventuel des dérivés bromés comme conservateurs. *Ann. des Falsif. et des Fraudes* 43:328-335. Oct./Dec. 1950. 389.8 An72

61335 FOGG, I. The distinction between foods and chemicals is not easy to describe in a discussion of chemical in foods. *Chem. & Engin. News* 29:1933-1935. May 14, 1951. 381 J825N
Preservatives.

61336 GERMAIN, L. Impressions olfactives et gustatives. *Fruits & Dérivés* 12:9-11. First Q. 1951. 389.68 J98

61337 GLABAU, C. A. Chemicals in food—a review. *Bakers Wk.* 150(9):82. May 28, 1951. 389.8 B172

61338 HAMANN, E. H. Flavors in food products are governed by complementary tastes and odors. *Food Canada* 11(5):17-18. May 1951. 389.8 F7323

61339 HAMENCE, J. H. Food standards; adulteration and its control. *Gt. Brit. Min. Food. B.* 602:4-7. (To be cont.) June 9, 1951. 389.9 G79B

61340 HODGINS, S. R. N. The mark behind the sale. *Macdonald Col. J.* 11(7):8-10. Mar. 1951. 101 M144
Grading and inspection of farm products by the Marketing Service, Canada Department of Agriculture.

61341 MARTIN, P. Pour la protection des consommateurs canadiens. *Québec Lait.* 10(3):22-24. Mar. 1951. 44.8 Q3

Food regulation and grading.

61342 MESA-BERNAL, D. La "pucha," una medida universal en Antioquia. *Agr. Trop.* 7(4):59-61. Apr. 15, 1951. 26 Ag8

61343 NAVELLIER, P. Le fer dans les aliments. *Ann. des Falsif. et des Fraudes* 43:361-363. Oct./Dec. 1950. 389.8 An72

As a contaminant.

61344 PERPÉROT, H., and CORBIN. Le nickel dans les aliments. *Ann. des Falsif. et des Fraudes* 43:364-374. Oct./Dec. 1950. 389.8 An72

As a contaminant.

61345 PROST, E. "Blowers" in canned food. (In Polish.) *Med. Weter.* 7:48-50. Jan. 1951. 41.8 M463

61346 ROSATI, T. Poisoning due to enterotoxic *Staphylococcus*. (In Italian.) *Prog. Vet.* 6:23-27. Ref. Jan. 1, 1951. 41.8 P942

61347 THOMSON, A. G. Deterioration of foodstuffs. *Food [London]* 20(236):181-182. May 1951. 389.8 F738

61348 TRUFFERT, L. L'aluminium dans les aliments. *Ann. des Falsif. et des Fraudes* 43:346-355. Ref. Oct./Dec. 1950. 389.8 An72

Contamination and toxicity.

61349 TRUFFERT, L. Le chrome dans les aliments. *Ann. des Falsif. et des Fraudes* 43:355-360. Ref. Oct./Dec. 1950. 389.8 An72
Toxicity.

PACKING AND PACKAGING

61350 ALLEN, R. J. L., and PAINE, F. A. Transport trials and laboratory tests on food containers. I. Lined kraft-paper bags. *J. Sci. Food & Agr.* 2:208-217. May 1951. 382 So12

61351 AMERICAN MANAGEMENT ASSOCIATION. Packers cautioned in economical use of all packaging materials. *Food Canada* 11(6):19-30. June 1951. 389.8 F7323

Report of 20th National Packaging Exposition.

61352 BUCCAR, M. DE. L'emballage des produits alimentaires en transparent ou en non-transparent. *Emballages* 21(124):71. Mar./Apr. 1951. 309.8 Em1

61353 BURSEY, R. The test of a good package. *Food Canada* 11(4):27, 29-30. Apr. 1951. 389.8 F7323

61354 COUCH, R. DE S. 9 new wrappers offered. *Food Engin.* 23(6):109. June 1951. 389.8 F737

61355 CROSMAN, R. Container and package material situation steady, but changes are forecast. *Food Canada* 11(5):36. May 1951. 389.8 F7323

61356 EMERGENCY packaging. *Food Engin.* 23(4):123-129. Apr. 1951. 389.8 F737

61357 HARMON, C. W. Packing problems. *Oil Mill Gaz.* 55(10):32-33. Apr. 1951. 307.8 O153

61358 MERRILL, R. L., and HECOX, W. Automatic statistical control saves on package overfill. *Food Engin.* 23(5):55-59. May 1951. 389.8 F737

61359 SCHEIBER, H. E. Korrosion und korrosionsschutz der metallischen konservendosen. *Fette u. Seifen* 53:194-200. Apr. 1951. 384 C422
Food containers.

61360 THOMPSON, J. B., and KOCHER, R. B. La recherche des particules métalliques dans les emballages de produits alimentaires. (Extr.) *Emballages* 21(124):45-46. Mar./Apr. 1951. 309.8 Em1

61361 TÖGEL, K. Holzwolle, ein ideales verpackungsmittel. *Brantweinwirtschaft* 5:45. Feb. 10, 1951. 390.8 B7322

Includes food.

61362 WARREN, R. F. War hits major chemicals used for food packaging. *Food Engin.* 23(4):129-134. Apr. 1951. 389.8 F737

PRICES, PRICE CONTROL, AND RATIONING

61363 BLUM, W. R. Der lachende dritte. *Deut. Landwirt. Presse* 74:71. Mar. 17, 1951. 18 D482
Price control.

61364 BRADY, D. S. Research on the size distribution of income. *Natl. Bur. Econ. Res. Studies Income & Wealth* 13:3-60. 1951. 284 C765

Discussion by M. Friedman.

Includes parity.

61365 BRANDT, J. Price supports and problems facing farmer. *Sanit. Milk* 22(8):7, 15. Mar. 1951. 280.28 Sa5

61366 BRANNAN, C. F. Farm prices in the price control picture. *Rev. Washington, U. S. D. A., Off. Sec.*, 1951. 6 p. 1.91 A2B73

Statement issued on Feb. 9, 1951, with date revised as of Apr. 23, 1951.

61367 CALIFORNIA. CROP AND LIVESTOCK REPORTING SERV. Prices received by California producers for farm commodities, 1909-1950. Sacramento, 1951. 52 p. 284.3 C124

61368 CARPENTER, A. W. OPS weather vanes; Feed Section marks time while working on new orders; farm parity is highly controversial. *East. Feed Merchant* 2(5):53, 69. May 1951. 389.78 Ea7

61369 DICKSON, P. W. The price of food. *Natl. Indus. Conf. Bd. Business Rec.* 8:230-232. June 1951. 280.9 N216Cb

61370 EBERLING, W. Volkskontrolle und staatliche kontrolle sind helfende organe. *Versorgung* 5:41-42. Mar. 1951. 280.8 V61

Food rationing in the Russian Zone of Germany.

61371 GROOTEN, R. Etude de quelques rapports de prix: l'agriculture belge au cours de la période 1920-1949. *Rev. de l'Agr.* 4:127-146. Feb. 1951. 13 R322

English summary.

61372 HEINKEL, F. V. Farmers not to blame as food prices rise. *Mo. Farmer* 43(5):18-19. May 1951. 6 M696

- 61373 INDIA. DEPT. OF AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian agricultural price statistics. New Delhi, 1950. 332 p. 284.3 In23
- 61374 JONES, W. O. Current farm price-support proposals in the United States. *J. Polit.* 13:253-268. May 1951. 280.8 J827
- 61375 KLOTH, W. Grenzen staatlicher preisbeeinflussung. *Ernährungsdienst* 6(7):2. Jan. 18, 1951. 389.8 Er62
- Germany.
- 61376 MCDUGALL, J. L. Price and wage control. *Canad. Countryman* 40(7):7, 42. Apr. 14, 1951. 7 C833
- 61377 MCMILLEN, R. D. Let's tell our side; New Jersey shows how a county (or a whole State) can put across to city folks the truth about farm prices. *Farm J.* 75(6):31. June 1951. 6 F2212
- 61378 MEHREN, G. Comparative costs of agricultural price support in 1949. *Amer. Econ. Rev.* 41(2):717-757. May 1951. 280.8 Am32
- Includes discussion.
- 61379 NEWSOM, H. D. The farmers's side of it. *Country Gent.* 61(6):21, 61, 63, 65. June 1951. 6 C833
- Farm prices and the price-support programs.
- 61380 PAARLBERG, D. A case against price controls. *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:7-8. Apr. 26, 1951. 275.29 In2Em
- 61381 PAARLBERG, D. Farm price controls; are they the result of economic thinking—or of politics? Will they control retail prices—or only farm prices? *Successful Farming* 49(7):31, 72-73, 106. July 1951. 6 Su12
- 61382 PAARLBERG, D. Seasonal prices. *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:6-8. Feb. 23, 1951. 275.29 In2Em
- 61383 PARVIN, D. W., CHRISTIAN, W. E., and TRAMEL, T. E. Prices paid and prices received by Mississippi farmers set new records. *Miss. Farm Res. [Miss. Sta.]* 14(3):6. Mar. 1951. 100 M69M1
- 61384 REHWINKEL, Rhöndorf und was daraus wurde. *Landwirtbl. Weser-Ems* 98:359-360. Apr. 26, 1951. 18 L2345
- Price problems.
- 61385 RUSSEL, R. Farming and high prices. Agricultural price supports and farm parity not responsible for increased living costs. *Citrus Leaves* 31(6):8-9. June 1951. 80 C492
- 61386 RUSSEL, R. Parity and price supports. *Fruit & Veg. Rev.* 13(3):12-13, 21. June 1951. 80 C1224
- 61387 SANDIFER, T. N. Brannan will oppose any changes in parity. *Natl. Live Stock Prod.* 29(8):12. May 1951. 280.38 N21
- 61388 SCANLAN, R. J. Individual vs. group commodity reserves for price stabilization. *J. Farm Econ.* 33:222-234. May 1951. 280.8 J822
- 61389 SCHIEFERENZ, J. Landwirtschaft braucht mengenkonjunktur. *Ernährungsdienst* 6(35):6. Mar. 29, 1951. 389.8 Er62
- Germany.
- 61390 SÖDERSTRÖM, O. Balanced agricultural production—food exports. (In Swedish.) *Sweden. Stat. Jordbrnsmnd. Jordbrekon. Meddel.* 13:45-54. Feb. 1951. 257.3 J76
- English summary, p. 44.
- Prices of agricultural products.
- 61391 SONNEMANN, T. Das englische Beispiel. *Hannoversche Land- u. Forstwirt. Ztg.* 104:223-224. Mar. 10, 1951. 18 H194
- Price control.
- 61392 UNITED FRESH FRUIT AND VEGETABLE ASSOCIATION. A close look at new U. S. plan for holding the line on prices. "United" Line. *Spec. Rpt.* 1, 4 p. Dec. 21, 1950. 284.8 Un33
- 61393 WEISS, F. Wie lange noch? *Württemb. Wchnbl. f. Landwirt.* 118:337-339. Apr. 28, 1951. 18 W96
- Prices.
- 61394 WISER, R. B. Are agricultural parity prices responsible for high living cost? *Calif. Farm Bur. Mon.* 32(4):1, 6-7. Apr. 1, 1951. 275.293 California
- PROCESSING AND STORAGE
- 61395 ATACK, F. W. Blending of permitted food colors requires great skill. *Food Canada* 11(3):21, 24. Mar. 1951. 389.8 F7323
- 61396 BARCELO, J. L. Materias primas en la industria papelera. *Ceres [Valladolid]* 16(178):20-21. Apr. 1, 1951. 15 C33 suppl.
- Agricultural and forest products.
- 61397 BRAUN, O. G. Problems of metals in canning equipment. *Canner* 112(24):13-14, 24. June 16, 1951. 286.83 C16
- 61398 CARROTS to chlorine; latest episode in the restless career of Food Machinery & Chemical Corp. *Fortune* 43(6):105-109, 156, 159-160, 162, 164, 166. June 1951. 110 F772
- 61399 COLLACOTT, R. A. Refrigeration: a description of the principles embodied in modern commercial and domestic refrigerators with problems and calculations on heat transference. Ed. 2. London, Pitman, 1950. 73 p. 295 C68
- 61400 COX, H. E. Food preservation. In Dunsheath, P., ed. *A century of technology, 1851-1951*, p. 219-229. London, 1951. 277.171 D92
- 61401 DEGOIX, P. Les armoires frigorifiques a absorption. Paris, Girardot, 1950. 115 p. 295 D36
- 61402 DIEHL, H. C. Research in refrigerated storage. *Natl. Fisheries Inst. Fisheries Ybk.* 1951:93-95. 414.9 N21Y
- Work of the Refrigeration Research Foundation.
- 61403 DUNSHEATH, P., ed. *A century of technology, 1851-1951*. London, Hutchinson, 1951. 346 p. 277.171 D92
- 61404 FENSTER, J. Are you ready for food freezing? *Nebr. Farmer* 93(11):28. June 2, 1951. 6 N27
- 61405 FOX, H. "Frood" readies for big frozen food demands. *Frosted Food Field* 12(4):13. May 1951. 389.8 F922
- 61406 FOX, H. Quick-freezing and European agriculture. *Food [London]* 20(236):175-176. May 1951. 389.8 F738
- The Pfimlin Plan for an agricultural pool for Europe.
- 61407 GENEVOIS, L. Les produits secondaires de la fermentation alcoolique, en fonction du milieu, de la température, de la race de levure. *Rev. des Ferment. et des Indus. Aliment.* 6:18-25. Ref. Feb. 1951. 390.08 R32
- 61408 GOLDBERG, A. A. Phenylmercuric dinaphthylmethane disulphonate, a substantive washfast germ- and mildew-proofing agent. *Mfg. Chem.* 22:182-185. Ref. May 1951. 396.8 M31
- 61409 GOLDSMITH, M. Bread and butter from chemists' laboratory? *Adelaide Chamber Com. Trade Digest* 1(12):30-31. Apr. 1951. 287 Ad3T
- Food synthesis.
- 61410 GREENLEAF, C. A. Use of fluoridated water in the canning industry. *Canner* 112(25):13-14. June 23, 1951. 286.83 C16
- 61411 GRIFFIN, C. W., JR. Selling management on plant sanitation. *Food Engin.* 23(6):76-79. June 1951. 389.8 F737
- 61412 HAUSNER, F. Der keller im haushalt. *Obst u. Gart.* 5:134-135. Sept. 1950. 80 Ob75
- Food storage.
- 61413 HEISS, R., and SCHACHINGER, L. Fundamentals of freeze-concentration of liquids. *Food Technol.* 5:211-218. Ref. June 1951. 389.8 F7398
- 61414 HILLER, G. A. Is the customer always right? *Ice Cream Indus.* 27:507-509. May 1951. 389.8 Ic24
- Food sanitation.
- 61415 JONES, A. H. The importance of sanitation in food plants. *Food Canada* 11(1):16, 18-20. Jan. 1951. 389.8 F7323
- 61416 LABBEE, M. D., ESSELEN, W. B., JR., and FELLERS, C. R. Use of home canning jars for home and locker freezing. *J. Home Econ.* 43:433-434. June 1951. 321.8 J82
- 61417 LANG, O. Kälteanlagen im hotel und restaurant. *Kälte* 4:60-61. (To be cont.) Mar. 1951. 295.8 K122
- 61418 LAWLER, F. K. Why FI becomes Food Engineering. *Food Engin.* 23(4):87-92. Apr. 1951. 389.8 F737
- 61419 LEFEBVRE, P. H. La chloration des eaux dans les industries alimentaires. *Rev. des Ferment. et des Indus. Aliment.* 6:15-17, 53-57. (Cont.) Feb., Apr. 1951. 390.08 R32
- 61420 MANNING, W. G. Competition keener in frosted food industry. *Canad. Food Indus.* 22(5):31. May 1951. 286.83 C166
- 61421 MARKSTEIN, D. Fifteen ways to increase locker business. *Quick Frozen Foods* 13(10):125-126. May 1951. 389.8 Q4
- 61422 MURRAY, R. V. The storage of canned foods. *Food. Indus. So. Africa* 3(12):35-37. Apr. 1951. 389.8 F7372
- 61423 NATIONAL ASSOCIATION OF REFRIGERATED WAREHOUSES. Public refrigerated warehouses, 8th, 1951-52. Washington, 1951. 113 p. 225 As75
- 61424 NEISH, A. C. Microbiological processes in the industrial utilization of agricultural products. (Abs.) *Chem. Canada* 3:97. May 1951. 381 C4236
- 61425 PERRY, F. J. 1950 canning pack reviewed. *Canad. Food Indus.* 22(5):23. May 1951. 286.83 C166
- 61426 PRASCHAN, V. C. Chemical engineering in the frozen food industry. *Chem. Engin. Prog.* 47(6):325-330. June 1951. 381 C4232

- 61427 PRYOR, D. E. Product sanitation. Pre-Pack-Age 4(9):17-21. May 1951. 280.38 P91 Food.
- 61428 SHELOR, E., and SIEWERT, S. W. Preparing foods for freezing. Frosted Food Field 12(4):18. May 1951. 389.8 F922
- 61429 SHERMAN, R. W., and SHARP, J. W. Home freezer storage units in rural areas. Ohio. Agr. Expt. Sta. Res. B. 704.28 p. Feb. 1951. 100 Oh3S
- 61430 STORCK, R. Liste de quelques collections importantes de microbes de fermentation et d'industries alimentaires. Rev. des Ferment. et des Indus. Aliment. 6:62-63. Apr. 1951. 390.08 R32
- 61431 STROM, A. E. Some Columbia Basin industrial opportunities. Pacific Nowest. Indus. 10:151-155. May 1951. 280.8 N812
- Outlook for industries processing agricultural products.
- 61432 THOMPSON, L. W. Canning that keeps. Agr. Leaders' Digest 32(5):42-43. May 1951. 275.28 Am3
- 61433 U. S. PRODUCTION AND MARKETING ADMIN. Directory of refrigerated storage warehouses in the United States. Washington, 1951. 75 p. 1.956 M34D62
- 61434 VASSOGNE, G. L'histoire des centres de congélation. Rev. Prat. du Froid 6(4):25,28-30. Jan. 1951. 295.8 R323 France.
- 61435 WAIDELICH, A. T. Designing sanitation into food plants. Food Technol. 5:244-246. June 1951. 389.8 F7398
- 61436 WIEGAND, E. H. New frozen food technology. Ice & Refrig. 120(6):60. June 1951. 295.8 Ic2
- 61437 WILLIAMS, E. W. The present status of the frozen foods industry. Quick Frozen Foods 13(10):41-45, 108-109. May 1951. 389.8 Q4
- 61438 WOODROOF, J. G., and SHELOR, E. Home freezers and home freezing. Ga. Agr. Expt. Sta. B. 266, 50 p. Mar. 1951. 100 G29S
- 61439 YOUNG, S. Hydrogen ion and preservation of food in Finland. Food Canada 11(1):26,28-32;(2):16,18;(4):34,36,38,40. Jan.-Feb., Apr. 1951. 389.8 F7323
- ### STATISTICS
- 61440 ANGLO-PALESTINE BANK LIMITED. Short statistical survey of Israel. London, 1951. 18 p. 269.8 An4
- Contains agricultural statistics.
- 61441 ASSOCIAZIONE PER LO SVILUPPO DELL'INDUSTRIA NEL MEZZOGIORNO. Statistics on southern Italy, 1861-1950. Roma, 1951. 30 p. 261 As73
- Contains agricultural statistics.
- 61442 BELGIUM. INSTITUT NATIONAL DE STATISTIQUE. Annuaire statistique de la Belgique et du Congo Belge, tome 71. Bruxelles, 1951? 501 p. 258 B41A
- Includes agriculture.
- 61443 BELGIUM. INSTITUT NATIONAL DE STATISTIQUE. Recensement general de l'agriculture 1950; resultats provisoires au 15 mai 1950, 1ere phase. Bruxelles, 1950. 19 p. 258 St22Ra
- 61444 BRAZIL. SERV. NACIONAL DE RECENSEAMENTO. Censo agricola; instruções ao recenseador, recenseamento geral de 1950 [Agricultural census; instructions for the census taker, general census of 1950]. Rio de Janeiro? 1950? 84 p. (C. A. 2.30) 255.3 R24C
- 61445 CEYLON. DEPT. OF CENSUS AND STATISTICS. Census of Ceylon, 1946, v. 1, pt. 1. General report. Colombo, 1950. 269.5 C333
- Includes agriculture.
- 61446 COMMODITY RESEARCH BUR. Commodity year book 1951. New York, 1951. 376 p. 286.8 C7392
- Statistics of agricultural products.
- 61447 IRELAND. CENTRAL STATISTICS OFF. Statistical abstract of Ireland, 1950. Dublin, 1951. 225 p. 256.12 In2S
- Includes agricultural statistics.
- 61448 ISRAEL. CENTRAL BUR. OF STATISTICS. Statistical abstract of Israel 1949/50. Jerusalem, 1950. 110 p. 269.8 Is7S
- Includes agricultural statistics.
- 61449 KAIN, D. N. E. S. Africa needs more acreage under protein foods. Food Indus. So. Africa 3(12):37. Apr. 1951. 389.8 F7372
- 61450 KERN COUNTY, CALIFORNIA. AGRICULTURAL COMMISSIONER. Agricultural crop report, County of Kern, 1950. Bakersfield, 1950. 6 p. 252.09 K45
- Statistics.
- 61451 LAND- UND FORSTWIRTSCHAFTLICHE LANDES-BUCHFÜHRUNGS-GESELLSCHAFT M. B. H. (LBG.) IN WIEN. Die lage der österreichischen landwirtschaft im berichtsjahr 1948/49. Wien, 1950. 126 p. 266 L23
- Library has also data for 1947/48. Statistics.
- 61452 MANITOBA. DEPT. OF AGRICULTURE AND IMMIGRATION. Report on crops, live stock, 1950. Manitoba. Dept. Agr. and Immigr. Crop. B. 129, 56 p. Dec. 31, 1950. 7 M31B
- Statistical report.
- 61453 MOZAMBIQUE. REPARTIÇÃO TÉCNICA DE ESTATÍSTICA. Anuário estatístico, ano xxii; annuaire statistique, xxiieme année, 1949. Lisboa, 1951. 628 p. 270 M874
- Includes statistics of agriculture.
- 61454 NEW ZEALAND. CENSUS AND STATISTICS DEPT. Statistical report on the agricultural and pastoral production of New Zealand for the season 1948-49. Wellington, 1950. 64 p. 271.2 R26A
- 61455 ONTARIO. BUR. OF STATISTICS AND RESEARCH. Third annual economic survey, 1951. Toronto, 1951. various pagings. 253.6 St2
- Includes agricultural statistics.
- 61456 SHOLL, J. C. Use of crop-weather relationships in forecasting crop yields. Estadística 30:5-14. Mar. 1951. 251.8 Es8
- 61457 SOLOMON, S. E. Queensland agricultural production. Queensland Prod. 32(30):7-9. Jan. 24, 1951. 23 Q35
- Chiefly field crop data.
- 61458 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, farm disposition, and value of principal crops, 1949-1950, by States. Washington, 1951. 41 p. 1.9 Ec71Prf
- 61459 VENTURA COUNTY, CALIFORNIA. AGRICULTURAL COMMISSIONER. Annual report, crop statistics, 1950. Ventura? 1951. 22 p. 81 V56
- 61460 WAGNER, H. Zur landwirtschaftlichen sondererhebung 1950 in Sachsen-Anhalt. Statis. Praxis. 5:210. Dec. 1950. 251.8 St25
- 61461 WALKER, H. R., and BURKHEAD, C. E. Farmers' plans and the Nation's needs. Agr. Situation 35(4):3-4. Apr. 1951. 1 Ec7Ag
- Prospective plantings of field crops.
- 61462 WIRTH. Die pflanzenbestände in baumschulen in Württemberg-Baden 1950. Statis. Monatsh. Württemberg-Baden 4:402-404. Dec. 1950. 265 St24
- Statistics.
- ### BEVERAGES AND CONDIMENTS
- 61463 AKADEMIA NAUK. INSTITUT BIOKIMII IMENI A. N. BAKHA. Biokhimiia vinodeliia [Biochemistry of wine-making]. Moskva, Akademiia Nauk SSSR, 1950. 246 p. ref. (Sbornik 3) 390.1 Ak1
- 61464 ANTONIADES, P. Situation viticole de l'île de Chypre. Off. Internatl. du Vin. B. 24(240):4-6. Feb. 1951. 390.8 B87
- 61465 AUDIBERT, M. Problèmes viticoles. Bouches du Rhône Agr. 23(1046):1. Mar. 1, 1951. 14 B662
- Grape and wine situation and policy.
- 61466 BAQUE, Z. L'Armagnac. Terre d'Oc 33:152-155. (Cont.) May 1951. 14 Ar5
- Installment discusses grape pests and diseases and wine manufacture.
- 61467 BEARDSLEY, J. J. Industry selling can ease adjustment. Coffee & Tea Indus. 74(5):11. May 1951. 389.8 Sp4
- Coffee industry.
- 61468 BERIDZE, G. I. General description of Kakhetian types of wine and methods for improving them. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:171-209. Ref. 1950. 390.1 Ak1
- 61469 BERIDZE, G. I. Sparkling wines of Georgian SSR. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:210-235. Ref. 1950. 390.1 Ak1
- 61470 BITZER, J. Branntweinerzeugung, branntweinverbrauch und staatseinnahmen aus branntwein im bundesgebiet im betriebsjahr 1949/50. Branntweinwirtschaft 5:17. Jan. 25, 1951. 390.8 B7322
- Germany.
- 61471 BONI, O. Close to the sweet there is always good coffee. (In Italian.) Gior. dei Pasticcieri e Confettieri 59:210-211. Apr. 1951. 389.8 G432

- 61472 BRAUN, M. La pasteurisation des bières. Petit J. du Brasseur 59:261-266. Apr. 6, 1951. 390.8 P44
Includes discussion.
- 61473 CANSTEIN, FREIHERR VON. Ausbildung an den weinbauschulen. Weinbau 6:152-153. Apr. 1, 1951. 390.8 W432
- 61474 CANSTEIN, FREIHERR VON. Vereinheitlichung der analysenmethoden und definition der spezialweine. Weinbau 6:196. May 6, 1951. 390.8 W432
- 61475 CARDONNE, P. Récupération des vapeurs d'alcool et sélection des levures en vinification. Tribune Agr. (n.s.) 44(802):1. Apr. 1, 1951. 24 T732
- 61476 CARDONNE, P. La situation vinicole. Tribune Agr. (n.s.) 44(803):1. Apr. 15, 1951. 24 T732
Algeria.
- 61477 CARDOZO, F. M. The opinion of the Brazilian Rural Society before the round table of coffee producers and exporters held in November 1950 at Rio de Janeiro. (In Portuguese.) Soc. Rur. Bras. Rev. 30(361):22-25. Dec. 1950. 9.2 B733
- 61478 CERUDELLI, L. Prevent the wine crisis. II. (In Italian.) Agr. Bresclana 4(12):1. Mar. 21, 1951. 16 Ag89
- 61479 CEYLON TEA PROPAGANDA BOARD. Report, 1950. Colombo, 1951. 58 p. 286.3689 C33
- 61480 CHABERT, E. Le pesage des vins. Bouches du Rhône Agr. 23(1046):14. Mar. 1, 1951. 14 B662
- 61481 CLARKE, W. T. Chilling, overheating, other cacao product abuses are outlined with directions for their avoidance. Candy Indus. 14(8):15, 25, 28. Apr. 10, 1951. 389.8 C168
- 61482 CONGRÈS INTERNATIONAL DE LA VIGNE ET DU VIN, 6, ATHENS, 1950. Rapports et exposés. Off. Internatl. du Vin. B. 24(241):19-110; (242):6-125. (Cont.) Mar.-Apr. 1951. 390.8 B87
- 61483 DALMASSO, G. Grape and wine production problems examined at the Italian-French agricultural conference. (In Italian.) Colt. e Gior. Vinic. Ital. 97:71-73. Mar. 15, 1951. 16 C72
- 61484 DALMASSO, G. The grape and wine season 1950. (In Italian.) Colt. e Gior. Vinic. Ital. 97:33-34. Feb. 15, 1951. 16 C72
Also in Off. Internatl. du Vin. B. 24(240):6-8. Feb. 1951. 390.8 B87
- 61485 DALMASSO, G. Save the fine wine industry. (In Italian.) Mondo Agr. 2(16):4. Apr. 22, 1951. 16 M74
Italy.
- 61486 DALMASSO, G. Wine centrals? (In Italian.) Colt. e Gior. Vinic. Ital. 97:49-50. Feb. 28, 1951. 16 C72
- 61487 DEPPISCH, J. F. Zur frage des films als werbemittel für bier. Brauwelt 19:365-366. May 10, 1951. 390.8 B732
- 61488 DUQUE, J. P. Topografia de las zonas cafetaleras dominicanas. Dominican Repub. Sec. de Estado de Econ. Nac. Rev. 13:14-16. Nov./Dec. 1950. 280.9 D712
- 61489 EASTON, N. R., KELLY, D. J., and BARTON, L. R. Rapid method for determination of temper in molten chocolate. Confectionery-Ice Cream World 45(20):16. May 21, 1951. 389.8 C767
- 61490 FEHRMANN, K. Mechanische technologie der brauerei; einrichtungen für die herstellung des bieres vom rohstoff bis zum versand. Berlin, Parey, 1950. 471 p. 390.1 F32
- 61491 FIGUERES, J. Los grandes defensores del café. (Extr.) Comt. Nac. del Café. B. 4:265-267. July/Sept. 1950. 68.29 C732
Honduras.
- 61492 FINK, H., and WÖGER, K. Biergeschmack und glutaminsäure. Brauwelt 17:326-327. Apr. 26, 1951. 390.8 B732
- 61493 FONTANILLE, H. Le sabotage du statut viticole; il faut rétablir le régime de l'alcool. Algérie Agr. et Vitic. 29(1163):1. Apr. 14, 1951. 24 AL37
- 61494 FOUILLAND, G. Il faut unifier la défense des intérêts viticoles. Bouches du Rhône Agr. 23(1047):5. Mar. 15, 1951. 14 B662
- 61495 FRANÇOT, P., and GEOFFROY, P. Le chlore, le calcium et le fer dans les vins et en particulier dans les vins de Champagne et les sous-produits de la champagne. Off. Internatl. du Vin. B. 24(242):97-125. Apr. 1951. 390.8 B87
- 61496 FRANÇOT, P., and GEOFFROY, P. Les pectines et les gommages dans les moûts et les vins de Champagne. (Sum.) Off. Internatl. du Vin. B. 24(242):94-96. Apr. 1951. 390.8 B87
- 61497 FREY, A., and LOTTNER, E. Die zuckerbildung im maischprozess der brennerei. Braunweinwirtschaft 5:1-2, 19-22. Jan. 10, 25, 1951. 390.8 B7322
- 61498 FROLOV-BAGREEV, A. M., and TROITSKI, E. P. On the importance of minor elements in the biochemistry of grapes and wine. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:53-56. 1950. 390.1 Akl
- 61499 GARINO-CANINA, E. Thème A: unification des méthodes d'analyse et d'appréciation des vins; rapport général. Off. Internatl. du Vin. B. 24(241):81-91. Mar. 1951. 390.8 B87
- 61500 GENEVOIS, L. Acides organiques des vins; diagnostic de l'histoire microbiologique d'un vin d'après sa constitution chimique. Rev. des Ferment. et des Indus. Aliment. 6:43-47. Apr. 1951. 390.08 R32
- 61501 GEORGACOPOULOS, G. L'appellation d'origine contrôlée "vin muscat de Samos." Off. Internatl. du Vin. B. 24(241):14-18. Mar. 1951. 390.8 B87
- 61502 GERASIMOV, M. A., and POLITOVA-SOV-ZENKO, T. K. Heat treatment of strong dessert wines. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:147-170. Ref. 1950. 390.1 Akl
- 61503 GRAF, W. Der Staatskeller im dienste der zürcherischen volkswirtschaft. Schweiz. Z. f. Obst- u. Weinbau 60:213-217. June 2, 1951. 80 Sch9
- 61504 HALL, M. M. West Coast coffee trends. Coffee & Tea Indus. 74(5):13, 23, 44. May 1951. 389.8 Sp4
- 61505 HARLER, C. R. The rolling of tea leaf; an account of the second process in black tea manufacture. Nyasaland Agr. Q. J. 9:60-75. July 1950, pub. Mar. 1951. 24 N983
- 61506 HEUCKMANN, W. Vereinfachte bezeichnung der weinbergslagen. Weinbau 6:151. Apr. 1, 1951. 390.8 W432
Germany.
- 61507 HEUSS, R. Über analysen von pilsner bier. Brauwelt 19:367-368. May 10, 1951. 390.8 B732
- 61508 HOPPE, W., and ECKERT, K. Die wasserstoff-ionenkonzentration in der brennerei. Braunweinwirtschaft 5:65-68, 85-88. Feb. 25, Mar. 10, 1951. 390.8 B7322
- 61509 INSTITUTE OF BREWING. Annual report of the Council for the year ended 31st December, 1950. Inst. Brewing. J. 57:69-105. Mar./Apr. 1951. 390.9 In7
- 61510 THE ITALIAN Academy of Grapes and Wine begins its second year of activity. (In Italian.) Colt. e Gior. Vinic. Ital. 97:56-58. Feb. 28, 1951. 16 C72
- 61511 JAQUEMIN, L. Deficiencias ácidas de los mostos argentinos; causas y posibles remedios. Vinos, Vinas y Frutas 45:399-402. Mar. 1951. 9 Ag89
- 61512 JECKELL, F. L. The brewing industry. Canad. Food Indus. 22(5):25-26. May 1951. 286.83 C166
- 61513 JENRICH, E. Spirituosenflaschen. Braunweinwirtschaft 5:40-41. Feb. 10, 1951. 390.8 B7322
- 61514 JOENSSON, A. Continued scarcity, with high prices, likely for major spices. Coffee & Tea Indus. 74(5):86-87. May 1951. 389.8 Sp4
- 61515 KARTAL, K., and ZIHNOGLU, A. La plantation du thé en Turquie, son développement actuel et son avenir. (In Turkish.) Türkiye Cumhuriyeti Ziraat Bankası. Uç Ayda Bir Çıkar 19:185-198. July/Sept. 1950. 280.9 T842
- 61516 KATZ, A. Flavor developments on the Coast. Coffee & Tea Indus. 74(5):69. May 1951. 389.8 Sp4
Flavorings.
- 61517 KERR, J. Know your ingredients; cocoa and chocolate. Brit. Baker 122:426-427, 462-463. (Cont.) Mar. 23-30, 1951. 389.8 B772
- 61518 KISSOPOULOS, D. E. L'oenologie et l'ampélogie chez les anciens (notamment chez les Grecs et Romains). Off. Internatl. du Vin. B. 24(242):33-39. Apr. 1951. 390.8 B87
- 61519 KOBAKHIDZE, M. G. Origin of methyl-acetyl-carbinol during acetic acid fermentation [in wine manufacture]. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:138-146. Ref. 1950. 390.1 Akl
- 61520 KOCH, J. Chocolate-making trends. Confectionery Prod. 17:395, 397, 399. June 1951. 389.8 C762
- 61521 KORFHAGE, R. F. Cocoa and chocolate; quality of various bean types is assayed as major factor in production of coatings. Candy Indus. 14(11):22, 28. May 22, 1951. 389.8 C168
- 61522 LABORATORIO QUÍMICO "LEPEZ." Análisis oficial de los vinos. Vinos, Vinas y Frutas 45:413-416, 418, 420-424. Mar. 1951. 9 Ag89
- 61523 LAMB, J. Tea research in Ceylon. Coffee & Tea Indus. 74(5):47, 53. May 1951. 389.8 Sp4
- 61524 LAMBION, R., and WIAME, J. M. Cultures pures d'acetobacter dans les conditions d'acetification rapide. Rev. des Ferment. et des Indus. Aliment. 6:25-27. Feb. 1951. 390.08 R32

- 61525 LANDES, K. H. What to know about cassias. 2. Coffee & Tea Indus. 74(5):85,87-88. May 1951. 389.8 Sp4 Grades.
- 61526 LIDY. Kellerwirtschaft in Württemberg. Weinbau 6:132; 7:132,155-157. Mar.18-Apr.1,1951. 390.8 W432
- 61527 LUTHI. La grasse des vins. Off. Internatl. du Vin. B. 24(242):39-45. Apr.1951. 390.8 B87
- 61528 MAESTRO PALO, F. Qué esperamos, señores? Ceres [Valladolid] Sup. Inform. 16(437):12-13. Apr.15, 1951. 15 C33
Aragon wine industry.
- 61529 MAESTRO PALO, F. El vino en la liturgia. Ceres [Valladolid] 16(177):23,25. Mar.1,1951. 15 C33
- 61530 MARCERON, M. Die ursprungsbezeichnung der feinen weine in Frankreich. Weinbau 6:102-103. Mar. 4,1951. 390.8 W432
- 61531 MEYERS, E. W. Cocoa: varieties, uses, modern applications. Confectionery-Ice Cream World 45(22):30,35. June 4,1951. 389.8 C767
- 61532 MIR, R. M. Presente y futuro del problema vitícola. Cult. Mod. 34:94-95. Mar.1951. 15 C89
Problem of wine surpluses in Mediterranean countries.
- 61533 MITCHELL, G. F. Long term tea trends in the U. S. Coffee & Tea Indus. 74(5):49,51. May 1951. 389.8 Sp4
- 61534 MONT'ALEGRE, O. The coffee position. (In Portuguese.) Observador Econ. e Financ. 16(181):34-41. Feb.1951. 280.8 Ob72
- 61535 MOSELEY, A. S. How is the coffee business? Coffee & Tea Indus. 74(5):19. May 1951. 389.8 Sp4
- 61536 MUCKLEY, P. E. How frosted sweet clider fits into roadside marketing. Mich. State Hort. Soc. Annu. Rpt. 80:37-40. 1950, pub.1951. 81 M58
- 61537 NANS, R. A., and CARTWRIGHT, L. C. Comparative evaluation of spices. III. Food Technol. 5:246-250. June 1951. 389.8 F7398
- 61538 NARODNY, L. H. Spices and essential oils in the Windward Islands. Chem. & Drug. 155:622-623. May 12,1951. 396.8 C42
The industry.
- 61539 NEILE, L. W. Essai de monographie de la vanille et de ses utilisations. Fruits & Dérivés 12:41-43. First Q.1951. 389.68 J98
The industry.
- 61540 NETO, J. C. M. The sin of gluttony. (In Portuguese.) Orientação Econ. e Financ. 8(92):19-20. Feb. 1951. 280.8 Or42
Coffee price control.
- 61541 OKHREMENKO, N. S. Bottle method of production of sweet sparkling wines. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:236-246. Ref. 1950. 390.1 Ak1
- 61542 OLDER, B. J. Coffee, judges and juries. Coffee & Tea Indus. 74(5):14. May 1951. 389.8 Sp4
- 61543 ORTEGA, P. Todavía tenemos tiempo. Comt. Nac. del Café. B. 4:251-253. July/Sept.1950. 68.29 C732
Coffee industry in Honduras.
- 61544 PAN-AMERICAN COFFEE BUR. Coffee statistics. 14. New York,1951. 66 p. 286.3689 P19
- 61545 PERKINS, J. F. The Kenya coffee 'industry.' Coffee Bd. Kenya. Mon. B. 15:481-482. Dec.1950. 68.29 C652
- 61546 PINKOW, H. Abgrenzung und beurteilung von rebenstandorten. Weinbau 6:177-178. Apr.15,1951. 390.8 W432
Germany
- 61547 PODOPULO, A. K. Oxidizing enzymes of champagne varieties of grapes and musts. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:43-52. Ref. 1950. 390.1 Ak1
- 61548 POPOVA, E. M., and PUCHKOVA, M. G. Role of esterase in the ripening process of champagne wines. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:69-84. Ref. 1950. 390.1 Ak1
- 61549 PRAETORIUS, F. K. Der bierkonsum der deutschen länder und ihr sozialer aufbau. Brauwelt 17: 328-329. Apr.26,1951. 390.8 B732
- 61550 PRILLINGER, F. Die chemie im dienste der kellerwirtschaft. Landwirtschaft 1951:56-58. Feb.1951. 19 L235
- 61551 PRINZING, W. Holzfässer, holzbottich und kübel in der brantwein-, hefe-, essig- und senfindustrie. Brantweinwirtschaft 5:35-37. Feb.10,1951. 390.8 B7322
- 61552 PROCOPIO, M. Conditioning of grapes before wine manufacture (improvement of grapes by biological means for the purpose of improving the wines). (Abs.) (In Italian.) Chim. e l'Indus. 33:159-160. Mar.1951. 385.643
- 61553 RECTOR, M. Proper storage of ingredients. 7. Storage of spices. Canad. Baker 64(4):25-26. Apr. 1951. 389.8 C166
- 61554 RENTSCHLER, H. Über den fehler des böckers bei weinen und obstweinen. Schweiz. Z. f Obst- u. Weinbau 60:197-200. May 19,1951. 80 Sch9
- 61555 RIBERAU-GAYON, M. La vinification. Rev. des Ferment. et des Indus. Aliment. 6:7-14. Feb.1951. 390.08 R32
- 61556 ROCQUES, J. A propos de la détermination du degré alcoolique des vins. Ann. des Falsif. et des Fraudes 43:344-346. Oct./Dec.1950. 389.8 An72
- 61557 ROMANO, E. 2-3 Butyleneglycol content of some Italian wines. (In Italian.) Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P. 42,4 p. 1950. 105.4 R66
- 61558 ROSSI-FERRINI, U. Lack of progress in the Italian wine industry. (In Italian.) Lotte Contadine 2(6):4. Apr.10,1951. 16 L91
- 61559 ROUS. Wermutwein. Brantweinwirtschaft 5: 8. (Concl.) Jan.10,1951. 390.8 B7322
- 61560 SALLER, W. Die behandlung steckengebliebener weine. Landwirtschaft 1951:95-96,131-132. Mar.-Apr.1951. 19 L235
- 61561 SARDONE, L. T. How do you take your tea? Poultry Farmer 18(37):45-46. Mar.17,1951. 280.28 Or32
- 61562 SCHLICHTING, H. J. We've weathered unexpected problems. Coffee & Tea Indus. 74(5):77. May 1951. 389.8 Sp4
Spice industry.
- 61563 SCHMIDT, J. S. Vanilla—an American heritage. Coffee & Tea Indus. 74(5):63,73. May 1951. 389.8 Sp4
- 61564 SCHRATT. Mehr und besseren wein. Landwirtschaft 1951:14-15. Jan.1951. 19 L235
Austria.
- 61565 SHEARON, W. H., JR., and WEISSLER, H. E. Brewing. Indus. & Engin. Chem. 43:1262-1271. Ref. June 1951. 381 J825
- 61566 SISAKIAN, N. M., EGOROV, I. A., and SAAKIAN, R. G. On intensity of biochemical reactions in sherry wine production. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:57-68. Ref. 1950. 390.1 Ak1
- 61567 SISAKIAN, N. M., and BEZINGER, E. N. On the amino acid composition of grape wines. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:85-95. Ref. 1950. 390.1 Ak1
- 61568 SISAKIAN, N. M., EGOROV, I. A., and PUCHKOVA, M. G. Tryptophan and vitamins of group B in grape wines. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:96-101. 1950. 390.1 Ak1
- 61569 SNOEK, C. Production of brandy in South Africa; methods of a progressive industry. Empire Prod. 323:53-54. May/June 1951. 286.8 Em7
- 61570 SOURBET, J. Pour mettre fin à la crise viticole il faut rechercher la qualité plus que les hauts rendements. Unité Paysanne 6(283):1,6. Apr.28,1951. 14 Un3
France.
- 61571 SPOON, W. Kunststoffen voor de bekleding van theekisten [Plastics for covering tea boxes]. Indisch Inst. Afd. Trop. Prod. Ber. 228,5 p. Oct.1950. 503 Am82B
English summary.
- 61572 STERCKX, R. L'organisation de la recherche scientifique. Petit J. du Brasseur 59:260. Apr.6,1951. 390.8 P44
Brewing.
- 61573 STEWART, A. R. California—the wine land. Cent. Mfg. Dist. Mag. 35(4):21-29. Apr.1951. 297.8 C33
- 61574 TELLES, M. R. Aspects of coffee production. (In Portuguese.) Soc. Rur. Bras. Rev. 31(364):17. Mar. 1951. 9.2 B733
- 61575 TESTA, J., and PASO, J. A. Consideraciones sobre la aplicación racional del SO₂ en enología. La Plata U. Nac. Facul. de Agron. Rev. 27:263-274. July 1950. 9 R32
English summary.
- 61576 TRIEST, W. H. "Taste" in selecting vanilla beans. Coffee & Tea Indus. 74(5):67. May 1951. 389.8 Sp4
- 61577 ULBRICH, M. Die rolle der hefe bei der obstweinbereitung. Obst u. Gart. 5:138-141. Sept.1950. 80 Ob75
- 61578 UNGURIAN, P. N. On the chemistry of Madeira wine manufacture. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn. 3:102-137. Ref. 1950. 390.1 Ak1
- 61579 VALMAR, J. Comment reconnaître et traiter des principales maladies des cidres. Rustica 24:247. (To be cont.) Mar.18,1951. 14 R92

- 61580 VELASCO, J. Fernando Poo ha producido 18,000 toneladas de cacao en la última campaña. ICA; Indus. y Com. de la Aliment. 6(63):12-14. Feb.1951. 286.8 Ic1
- 61581 VERHAAR, G., and COUWENBERG, J. F. Tea manufacture without normal withering. (In Dutch.) Arch. v. de Theecult. 17:171-221. Dec.1950. 68.18 Ea72 English summary.
- 61582 VOELBEL, W. H. The coffee situation in Brazil. (In Portuguese.) Com. Português (ser.2)45/46:17-18. Sept.30,1950. 286.8 C7332
- 61583 VOGL, K. Die flaschenverschlüsse in der spirituosensindustrie. Brannweinwirtschaft 5:41-43. Feb.10,1951. 390.8 B7322
- 61584 WILLIAMSON, W. F. A guide to CPR [Ceiling Price Regulation] 22. Coffee & Tea Indus. 74(6):17,45. June 1951. 389.8 Sp4 Coffee.
- 61585 WINTER, E. H. The spice year. Coffee & Tea Indus. 74(5):79,84,88. May 1951. 389.8 Sp4
- 61586 WIRTH, Die vorschätzung der weinmosternte in Württemberg-Baden 1950. Statis. Monatsh. Württemberg-Baden 4:400-401. Dec.1950. 265 St24 Statistics.
- 61587 WOOLF, L. J. Suiting flavors to the need. Coffee & Tea Indus. 74(5):64. May 1951. 389.8 Sp4
- 61588 ZWIETEN, P. VAN, and HOEFFELMAN, H. Notes on the heat consumption in tea drying. (In Dutch.) Arch. v. de Theecult. 17:143-149. Dec.1950. 68.18 Ea72

DAIRY PRODUCTS

- 61589 BAULAND, T. H. What the ice cream industry needs. Canad. Food Indus. 22(5):29. May 1951. 286.83 C166
- 61590 BERNISCHE MOLKEREISCHULE IN RÜTTI-ZOLLIKOFEN. 64. jahresbericht für das rechnungsjahr 1950 und das schuljahr 1950/51. Zollikofen, 1951. 41 p. 44.9 R93
- 61591 BLOOMFIELD, H. Milk pails for share-croppers; cows are moving in where cotton is king because landlords realize it's steady cash that holds a family to the land. Country Gent. 61(6):26,92-93. June 1951. 6 C833
- 61592 BRANDT, J. A year of importance. Calif. Dairyman 31(9):52. June 2,1951. 44.8 C12
- 61593 BRIGHTMAN, M. H. The state of the dairy industry. South. Dairy Prod. J. 49(6):42,138-142. June 1951. 44.8 So83
- 61594 BRINK, J. A. VAN DEN. Productos lácteos de la industria holandesa. Confed. de Cám. Nac. de Com. Carta Semanal 14(726):2-3. May 19,1951. 286.8 C76
- 61595 BRION, A. Production and consumption of milk in France. (In Italian.) Mondo del Latte 1951:73. Feb. 1951. 44.8 M74
- 61596 BRYANT, C. B. A. Dairying in Los Angeles county. Calif. Dairyman 31(9):30,32. June 2,1951. 44.8 C12
- Also in Popkess' Dairyman's J. 38(3):8,13-14. June 1951 44.8 D142
- 61597 BUTNIKOV, N. Vinnitsa butter manufacturers achieved priority in competition. (In Russian.) Moloch. Promysh. 11(10):15-16. Oct.1950. 44.8 M734
- 61598 CAMERON, W. C. Quelques observations sur l'industrie laitière canadienne, en 1950. Québec Lait. 10 (4):22-25. Apr.1951. 44.8 Q3
- 61599 CHAPMAN, P. W. Tennessee—rated one of the Nation's leading growth States, it moves toward first place in South's expanding dairy industry. Prog. Farmer, Tex. Ed. 66(6):42,52-53. June 1951. 6 T311
- 61600 CLARI, L. Courses for the professional preparation of technical personnel in milk plants. (In Italian.) Mondo del Latte 1951:137,139. Mar.1951. 44.8 M74 English summary.
- Italy.
- 61601 COLLIER, S. G. Developments in dairy farming. Agr. Econ. 2(4):16-17. Dec.1950. 281.8 Ag832 Great Britain.
- 61602 DAVIDOV, R. On training personnel for the dairy industry. (In Russian.) Moloch. Promysh. 11(10):22-25. Oct.1950. 44.8 M734
- 61603 ENRIGHT, T. R. The milk plant fieldman. Amer. Milk Rev. 13(6):70-74. June 1951. 44.8 Am38
- Also in Calif. Dairyman 31(10):20-22. June 16,1951. 44.8 C12
- 61604 FORTIN, G. N. Un spécialiste donne une vue d'ensemble sur l'industrie laitière. Terre de Chez Nous 23(7):3. Apr.11,1951. 7 T27 Canada.
- 61605 FUSSELL, G. E. Merry May Day milkmaids. Dairyman 68:267,269. May 1951. 44.8 D1426 Festivals in 17th century England.
- 61606 FUSSELL, M. T. The beginning of the whole-sale ice cream industry. Ice Cream Trade J. 47(5):40-42. May 1951. 389.8 Ic2
- 61607 GAZTAMBIDE ARRILLAGA, C., and ALVAREZ, E. La zona cafetalera puede desarrollar una próspera industria lechera. Rev. del Café 6(9):7. Feb.1951. 8 R3295 Puerto Rico.
- 61608 GHORMLEY, A. M. The dairy industry as is. Calif. Dairyman 31(9):36. June 2,1951. 44.8 C12
- 61609 GIBSON, A. L. Development, decline and future of Canadian cheese industry. Canad. Dairy & Ice Cream J. 30(5):29-30,72. May 1951. 44.8 C162
- 61610 HAGAN, I. N. Ice cream in a wartime economy. South. Dairy Prod. J. 49(6):30,129-132. June 1951. 44.8 So83
- 61611 HENSLER. Zur butterwärlaktion. Molk.-Ztg. 5:263-264. Mar.15,1951. 44.8 M735 Germany.
- 61612 HOFER, M. Sorgen und erfolge unserer milchwirtschaft. Kärntner Bauer 101:115 118. Mar.1,1951. 19 K14
- 61613 HURD, L. W. J. The dairy industry. Canad. Food Indus. 22(5):27-28. May 1951. 286.83 C166
- 61614 HURWITZ, N. Some aspects of dairying in South Africa. So. African Dairyman 13:108-115. Apr. 1951. 44.8 So822
- 61615 IATSUN, I., and KOVAL'CHUK, P. Best [butter] factory of the Lvov Combine. (In Russian.) Moloch. Promysh. 11(10):16-17. Oct.1950. 44.8 M734
- 61616 THE ICE cream industry year book, 1951. London,1950? 220 p. 389.8 Ic28
- 61617 KASTLI, P., and ZOLLIKOFER, E. Beobachtungen über die konsummilchversorgung in England. Schweiz. Zentbl. f. Milchwirt. 40:7-9. Jan.12,1951. 44.8 Sch93
- 61618 KENNEDY, R., JR. Ice cream centennial offers industry excellent opportunities. South. Dairy Prod. J. 49(6):60,110-111. June 1951. 44.8 So83
- 61619 KING, G. J. S. Festival 1851. Milk Indus. 31 (11):53-55. May 1951. 44.8 M593
- In relation to the British dairy industry.
- 61620 KÜRSTEINER, J. Rückblick auf diskussionen im gebiet des Zentralschweizerischen Milchverbandes Luzern, frühjahr 1951. Schweiz. Milchztg. 77:293-294. June 1,1951. 44.8 Sch92
- 61621 LEDFORD, V. L., and ALEXANDER, W. H. Production and price of milk sold by Louisiana farmers during 1949-50. La. Rur. Econ. 13(2):3,7-8. May 1951. 281.8 L93
- 61622 LIST, W. H., JR. 'Way back when. Ice Cream Trade J. 47(5):54-56,58,158. May 1951. 389.8 Ic2 Ice cream history.
- 61623 LOFKEN. Die wiedererstandene melkerschule auf Haus Düsse. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:587-588. Apr.19,1951. 18 L2346
- 61624 MACKENZIE, P. K. Ice cream: checking up. Milk Indus. 31(11):64-68. May 1951. 44.8 M593
- Plant management in Great Britain.
- 61625 MATA LLANA VENTURA, S. Algunas características de las edificaciones en industrias lácteas. Agricultura [Madrid] 20:119-122. Mar.1951. 15 Ag84 Spain.
- 61626 MOLDAVAN, A. La crème à fouetter prend-elle un nouvel essor. Québec Lait. 10:13. Jan.1951. 44.8 Q3
- 61627 MONTGOMERY, C. R. In beautiful Greenbrier Valley [West Virginia]. Prog. Farmer, Ky.-Tenn.- W. Va. Ed. 66(6):19,94. June 1951. 6 P945K
- Development of the dairy industry.
- 61628 MORGAN, B. F., and CONNER, M. C. The dairy industry's challenge. Va. Agr. Col. Ext. Va. Farm Econ. 126:1-4. Feb.1951. 275.29 V813
- In relation to the national emergency.
- 61629 A NEW age in products and merchandising. Canad. Dairy & Ice Cream J. 30(5):37-42,44,70. May 1951. 44.8 C162
- Panel discussion: J. W. Lawrence, chairman.
- 61630 NORTON, J. P. Dairy leaders seek long-term stability. Farmer's Wk. [Perth] 4(185):16. Feb.8,1951. 23 F227
- Review of the needs of the dairy industry in Australia.
- 61631 PECEGO, R. Study of cheese types: Prato and Reino. (In Portuguese.) B. do Leite 4(41):9-10. Nov. 1950. 44.8 B633

61632 PETERSEN, N. Rückläufige entwicklung auf dem weltbuttermarkt. *Molk.-Ztg.* 5:264-265. Mar.15, 1951. 44.8 M735

61633 REIFF, H. What is ahead for small commercial dairy herds? Specialization, spread of grade A markets perils small herds. *Purdue Agr.* 42(6):7. Mar.1951. 6 P97

61634 RICHARDS, P. Dairying in the national emergency. *Mkt. Adminr. B. [Cincinnati]* 7(3/4):1,3-4. Mar./Apr.1951. 280.38 M346

61635 SAAR, J. Gedanken zur lenkung der österreichischen milchwirtschaft. *Landwirtschaft* 1951:7-8. Jan.1951. 19 L235

61636 THE SALTE Plan: milk and derivatives. (In Portuguese.) *B. de Leite* 4(41):13-14. (Cont.) Nov.1950. 44.8 B633

61637 SCHWEIZERISCHE MILCHKOMMISSION. 23. tätigkeitsbericht umfassend die zeit von der generalversammlung 1949 bis zur generalversammlung 1950. *Schweiz. Zentbl. f. Milchwirt.* 40:10-11,88. Jan.12, Apr. 13, 1951. 44.8 Sch93

61638 SIDDIQI, R. H., and ZAMIRUDDIN. Ewe ghee. *Co-op. & Mktg. Rev.* 5:13-15. Ref. Jan.1951. 280.28 C78243

61639 SPETTIGUE, H. T. Development of new dairy products. *Canad. Dairy & Ice Cream J.* 30(5):37-38. May 1951. 44.8 C162

61640 TURNBULL, J. S. Industriels laitiers, regardez vers l'avenir. *Québec Lait.* 10(4):38-40. Apr. 1951. 44.8 Q3

61641 WALLACE, K. L. The state of the dairy industry; effect of the mobilization program on equipment, supplies, ingredients, production, maintenance, manpower. *South. Dairy Prod. J.* 49(5):32,87-93. May 1951. 44.8 So83

61642 WIJNEN, VAN, Jr. Netherlands cheese production for 1951. (In Dutch.) *Producent* 3:41-42. Mar.17, 1951. 44.8 P94

Analysis and Composition

61643 ANSELM, S., and CESARI, A. The determination of fat content in dairy products. (In Italian.) *Ist. Super. di Sanit. Rend.* 13:689-701. 1950. 449.9 R66
English summary.

61644 ARMSTRONG, T. V., HARPER, W. J., and GOULD, I. A. Survey of water insoluble acids in commercial butter. *Butter, Cheese & Milk Prod. J.* 42(5):28-30,53-54. May 1951. 286.85 B98Bu

61645 BECK, J., and ROUYER, M. Etudes sur la coagulation du lait par la présure. I. Action des ultrasons. *Soc. de Chim. Biol. B.* 33:69-77. Ref. 1951. 383 So1

61646 BRAIDOT, S. The control of rennet titration. (In Italian.) *Latte* 25:75. Feb.1951. 44.8 L35

61647 BRUNO, A. A new volumetric method for measuring the quantity of fat in milk, butter and cheese. (In Italian.) *Mondo del Latte* 1951:79-80,83,85. Ref. Feb.1951. 44.8 M74

English summary.

61648 CALBERT, H. E. Checking up on quality. *Milk Dealer* 40(8):50,112,114,116. May 1951. 44.8 M595
Milk judging.

61649 CHETHAM, A. W. G. Ice cream and the methylene blue test. *Dairy Indus.* 16:464-465. (To be cont.) May 1951. 44.8 D1427

61650 CHOI, R. P., TATTER, C. W., and O'MALLEY, C. M. Determination of alpha- and beta-lactose in dry products of milk from rates of crystallization. *Analyt. Chem.* 23:888-890. June 1951. 381 J825A

61651 DOPSON, L. Testing milk, 1851. *Dairy Indus.* 16:450-451. May 1951. 44.8 D1427

61652 DUNKLEY, W. L., and SOMMER, H. H. The creaming of milk. *Canad. Dairy & Ice Cream J.* 30(5):52, 54,56-57,64,68,74. Ref. May 1951. 44.8 C162

61653 FABRIS, A. Observations on a proposed modification for determination of fat in milk according to the Gerber method. (In Italian.) *Mondo del Latte* 1951:140, 143-144,147,149,151,153-154,157,159-160. Mar.1951. 44.8 M74

English summary.

61654 FEAGAN, J. A modified reductase test. *Milk Bd. J.* 2:37. Jan.15,1951. 44.8 M5934
For milk.

61655 GILMAN, H. L., and MARQUARDT, J. C. The occurrence and survival of *Brucella abortus* in Italian cheese curd made from raw and pasteurized milk. *J. Milk & Food Technol.* 14:55-56,60. Mar./Apr.1951. 44.8 J824

61656 GUARNIERI, P. Chemical analysis of modified milk. (In Italian.) *Latte* 25:56. Feb.1951. 44.8 L35

61657 HEINEMANN, B., and PARKER, O. B. Determination of non-casein protein in skim milk and nonfat dry milk solids by monolayer films. *J. Dairy Sci.* 34:427-431. May 1951. 44.8 J822

61658 HIRSCH, A. The bacteriology of cream and butter. *Austral. Dairy Rev.* 19(4):16-17. Apr.2,1951. 44.8 Au73

61659 HOLMES, A. D. Reduced ascorbic acid content of milk at different stages of processing. *Food Technol.* 5:242-243. Ref. June 1951. 389.8 F7398

61660 HOUSTON, J. Variations in the composition of milk with special reference to solids-not-fat. *Soc. Dairy Technol. J.* 4:191-198. Apr.1951. 44.8 So12
Includes discussion.

61661 HUMPHRISS, E. Milk solids other than fat; what they are and why. *Ice Cream Indus.* 27:491-493. May 1951. 389.8 Ic24

61662 INEICHEN, F., and MÄDER, G. Kleinmilchfilter. *Schweiz. Milchztg.* 77:290. June 1,1951. 44.8 Sch92

61663 KLAMM, W. Weeds and bacteria grow in warmth and moisture. *Bow'an Arrow, Prod. Ed.* 7(3):3. May/June 1951. 44.8 B672
Bacteria in milk.

61664 LAGONI, H. Beitrag zum reductaseproblem. *Milchwissenschaft* 6:162-165. (Concl.) Ref. May 1951. 44.8 M5933

English summary.
Milk.

61665 LYONS, J., and O'SHEA, M. J. Commercial methods of testing milk and milk products. *Cork, Cork U. Press*, 1950. 218 p. 44 L992

61666 MANN, H. D., and CARTER, R. H. Improved procedure for extraction of DDT in milk. *Analyt. Chem.* 23:929-930. June 1951. 381 J825A

61667 MOHR, W., KAUFMANN, W., and KOENEN, K. Ein neues, einfaches gerät zur bestimmung der schnittfestigkeit und druckdurchbiegung von butter. *Fette u. Seifen* 53:129-131. Mar.1951. 384 C422

61668 MOLDAVAN, A. Le contrôle de la qualité dans la laiterie. *Québec Lait.* 10(3):20-21. Mar.1951. 44.8 Q3
Tests and other controls.

61669 MORICE, I. M. The unsaponifiable matter of butter fat. *I. Chem. Soc. J.* 1951:1200-1203. May 1951. 382 L84J

61670 OLSON, J. C., JR., and BLACK, L. A. A comparative study of stains proposed for the direct microscopic examination of milk; a report of the Committee on Applied Laboratory Methods. *J. Milk & Food Technol.* 14:49-51,64. Mar./Apr.1951. 44.8 J824

61671 PETERSEN, N. Wie ist der niedrigste fettinhaltenverbrauch zu erzielen? *Molk.-Ztg.* 5:269-270. Mar.15,1951. 44.8 M735

In butter manufacture.

61672 POSTHUMUS, G. An apparatus for accurate reading of Gerber tubes. *Nederlands Melk- en Zuivelijdschr.* 5:10-13. Jan./Mar.1951. 44.8 N283

61673 RAMAKRISHNAN, C. V., and BANERJEE, B. N. Factors affecting the refractive index of milk. *Research [London]* 4:241-242. May 1951. 472 R31

61674 ROEDER, G. Studien über die säure- und salzverhältnisse in milch und molke. *Milchwissenschaft* 6:165-169. (Concl.) Ref. May 1951. 44.8 M5933
English summary.

61675 SCHIPPER, I. A., and PETERSEN, W. E. Assay of aureomycin in milk by use of methylene blue. *Vet. Med.* 46:222-224. June 1951. 41.8 M69

61676 SEIDLER, L. Beiträge zur kenntnis der zusammensetzung der ziegenmilch, insbesondere auch im hinblick auf den gehalt an den verschiedenen eiweisskörpern, während einer laktationsperiode. *Milchwissenschaft* 6:170-174. (Concl.) May 1951. 44.8 M5933
English summary.

61677 STOLDT, W. Gewichtsanalytische fettbestimmung in milch, milcherzeugnissen, butter, käse und speiseeis. *Milchwissenschaft* 6:152-155. May 1951. 44.8 M5933

English summary.

61678 THOMAS, S. B., and others. Heat resistant bacteria in raw milk. IV. *Soc. Dairy Technol. J.* 4:177-183. Ref. Apr.1951. 44.8 So12
P. M. Hobson, D. G. Griffiths, G. George, and E. Jenkins, joint authors.

61679 WEBB, B. H., and DEYSHER, E. F. Effect of storage temperature on properties of evaporated milk. *U. S. Bur. Dairy Indus. BDI-Inf-122,4 p.* June 1951. 1.973 D4B34

Abstract of a paper presented at the meeting of the American Dairy Science Association, Knoxville, June 6-8, 1951.

- 61680 WHITNEY, W. O. Test units nip costly shut-downs; troubles vanished at Midwest dairy after all controllers got regular check in special lab pasteurizer and all recorders were "proved" by thermo-gage. Food Engin. 23(6):75,154-156. June 1951. 389.8 F737
- 61681 ZINTEK, A. R. Milk can be dangerous. Certif. Milk 26(5):14-15. (Concl.) May 1951. 44.8 C33

Consumption and Utilization

- 61682 MCBRIDE, C. A. Sweet curd cottage cheese profitable outlet for surplus milk. Canad. Dairy & Ice Cream J. 30(5):35-36,70. May 1951. 44.8 C162
- 61683 MYKLEBY, R. W. Dairy products in confections. Mfg. Confectioner 31(6):43-44,95-97. June 1951. 389.8 M31
- 61684 SMITH, R. Learning to use dried milk and eggs. Ext. Serv. Rev. 22:66. Apr. 1951. 1 Ex892Ex

Distribution, Marketing, and Transportation

- 61685 ABBOTT, J. C. Distributive margins in the marketing of milk, England and Wales 1937-8 and 1948-9. Oxford. U. Inst. Res. Agr. Econ. Occas. Papers Agr. Econ. 3,24 p. 1951. 281.9 Ox20c
- 61686 ALBERTS, R. American Butter Institute plans June dairy program. South. Dairy Prod. J. 49(6):50,118, 120,122. June 1951. 44.8 So83
- 61687 BARTLETT, R. W. Concentrated milk takes place in market. Pure Milk 25(5):6. May 1951. 280.28 P97
- 61688 BARTLETT, R. W. Marketing concentrated milk. Ill. Farm Econ. 190/191:1133-1137. Mar./Apr. 1951. 275.28 IL5
- 61689 BRAMKAMP, L. Let's start shouting. Calif. Dairyman 31(9):69. June 2, 1951. 44.8 C12
- Public relations in the dairy industry.
- 61690 CHERRY, G. Who sells milk? Milk Indus. 31 (11):49-52. May 1951. 44.8 M593
- Great Britain.
- 61691 CLINTON, N. Milk advertising for the audience at two great fairs. Calif. Dairyman 31(9):46,65. June 2, 1951. 44.8 C12
- 61692 ESCHÉ, and KIEFER. Marktaussichten und absatzpolitik in der milchwirtschaft. Molk.-Ztg. 5:267-268. Mar.15,1951. 44.8 M735
- Germany.
- 61693 EVANS, C. London's milk supply. Rev. Internat. Coop. 44:113-116. May 1951. 280.28 In8B
- 61694 FELSCH, J. W. Using pickup trucks to distribute dairy products. Butter, Cheese & Milk Prod. J. 42(5): 22-23. May 1951. 286.85 B98Bu
- 61695 FREEDMAN, M. Selling Golden Guernsey to the consumer. Guernsey Breeders' J. [Peterborough] 82: 409,434-435. June 6,1951. 43.8 G93
- 61696 FRIEDGEN, A. E. Economies in milk delivery. Milk Dealer 40(8):46-47,62,64,66. May 1951. 44.8 M595
- 61697 GALUS, H. S. Don't cripple your radio dollar! Ice Cream Rev. 34(11):140,142. June 1951. 389.8 Ic22
- Ice cream advertising.
- 61698 GOUGLAR, F. A. Development of cooperative dairy marketing in Illinois. Popkess' Dairyman's J. 38 (2):6. May 1951. 44.8 D142
- 61699 HEIERMANN, F. Nein—so geht es nicht! Deut. Milchhandels-Ztg. 73:262-263. May 4,1951. 44.8 D48
- Dairy products marketing in Germany.
- 61700 HEROLD, A. J. Rand milk distributors favour fresh milk marketing scheme. So. African Dairyman 13: 99,101. Apr. 1951. 44.8 So822
- 61701 HIRSCH, D. E. Joint action can help. News Farmer Coop. 18(2):16-18. May 1951. 166.2 N47
- Management problems of dairy cooperatives and functions that federations of dairy cooperatives can perform.
- 61702 HOLMAN, C. W. Dairy co-ops also deserve a bow. Calif. Dairyman 31(9):40,62. June 2,1951. 44.8 C12
- 61703 HULT, M. Industry puts enthusiasm and drive into 1951 June Dairy Month campaign. Calif. Dairyman 31(9):42,84. June 2,1951. 44.8 C12
- 61704 JOHNSON, S. Load size and delivery labor cost in milk distribution. Conn. (Storrs) Agr. Expt. Sta. B. 264,20 p. Mar.1950. 100 C76S
- 61705 LAPSHOV, V. Organization of milk collecting at Rogachev milk canning factory. (In Russian.) Moloch. Promysh. 11(10):32-34. Oct.1950. 44.8 M734
- 61706 LUBER, H. Noch mehr milchverbrauch; welche wege führen aber dahin? Deut. Milchhandels-Ztg. 73:147-149. Mar.9,1951. 44.8 D48

- 61707 MAISSNER, F. Dutch "jeep" their troubles away. Grain Prod. News 3(10):25,27. Apr.1951. 286.81 G764

Milking cooperatives.

- 61708 MENON, U. K. Our research workers' corner; an investigation into costings of the co-operative dairy trade—Madras State. Madras J. Co-op. 42:424-435. Feb.1951. 280.28 M26
- 61709 MENEZ, C. New outlets for ice cream. Ice Cream Rev. 34(11):166-169. June 1951. 389.8 Ic22
- 61710 MILLER, R. J. Exigent problems in the use of quality appraisal standards in the procurement of dairy products for military requirements. J. Milk & Food Technol. 14:57-60. Mar./Apr.1951. 44.8 J824
- 61711 MOLDAVAN, A. La vente du lait homo. Québec Lait. 10(4):42-43. Apr.1951. 44.8 Q3
- 61712 MYRICK, N. One plant—one customer; Bellows Falls Co-operative Creamery uses refrigerated railroad cars to send its entire output of bottled milk and cream to Boston. Amer. Milk Rev. 13(6):40,42,46. June 1951. 44.8 Am38
- 61713 OLSON, J. C., JR. Problems of Midwest producers in interstate shipment of milk. J. Milk & Food Technol. 14:71-72,74,80. Mar./Apr.1951. 44.8 J824
- 61714 PELLEY, R. H., and COOK, H. L. No barriers for milk? Farm Policy Forum 4(5):9-10. May 1951. 281.8 F2274
- Marketing regulations.
- 61715 PEPPER, L. C. Developing domestic market for agricultural food products. Canad. Dairy & Ice Cream J. 30(5):42,44,70. May 1951. 44.8 C162
- Dairy products.
- 61716 PETERMANN, R. Erfahrungen hinterm laden-tisch. Deut. Milchhandels-Ztg. 73:260. May 4,1951. 44.8 D48
- Dairy products marketing.
- 61717 PIRNER, H. Was muss der milchlieferant vom Milch- und Fettgesetz (MFG) wissen? Milcherzeuger 9: 10-11. (To be cont.) Apr.1951. 43.8 M592
- Germany.
- 61718 RITTERSHAUS, W. Meinung eines genossenschafters zur vollversammlung der "Unterkärntner Molkererl." Kärntner Bauer 101:118. Mar.1,1951. 19 K14
- 61719 ROBERTSON, B. Advertising and sales effort essential to dairy industry. Canad. Dairy & Ice Cream J. 30(5):39-40. May 1951. 44.8 C162
- 61720 RUFIN, G. Une mission laitière française aux U. S. A.: la vente des laits aux U. S. A. Jura Agr. (n.s.) 73:1. Apr.15,1951. 14 J97
- 61721 SHUGG, J. O. Activities and progress of Dairy Foods Service Bureau. Canad. Dairy & Ice Cream J. 30(5):41,44. May 1951. 44.8 C162
- 61722 SWANK, O. A. Farmers to spend 1.6 million on dairy sales promotion in '51. Hoosier Farmer 36(5):27. May 1951. 280.82 H76
- 61723 THOMSON, W. D. Milk distribution in Northern Ireland. Dairyman 68:261-263,285. May 1951. 44.8 D1426
- 61724 WALWORTH, G. Balancing milk supplies; natural limitations cause uncertainty. Co-op. Rev. 25: 126-128. June 1951. 280.28 C7823
- Great Britain.
- 61725 WERNER, R. J. We are not living up to our responsibilities. Calif. Dairyman 31(9):48. June 2,1951. 44.8 C12
- Dairy industry promotion.
- 61726 WOODRUFF, A. C. Tanker pick up of milk from medium size farms. Milk Dealer 40(8):48-49,105-106. May 1951. 44.8 M595

Grading, Inspection, Standardization, and Quality

- 61727 ADAMS, I. C. Missouri's plan for milk analysts in the State and laboratory certification. J. Milk & Food Technol. 14:63,84. Mar./Apr.1951. 44.8 J824
- 61728 AGENJO CECILIA, C. Ordenación de los servicios de inspección de leche: su repercusión en ganadería. Ganadería [Madrid] 9:55-57. Feb.1951. 49 G15
- Spain.
- 61729 ANDERSON, E. E. Milk's taste appeal to the consumer shouldn't be overlooked by the producer. N. Mex. Stockman 16(5):45. May 1951. 49 N462
- 61730 BABCOCK, C. J. Common causes of off-flavored milk and their control. J. Milk & Food Technol. 14:68-70. Mar./Apr.1951. 44.8 J824
- 61731 BOUCHARD, G. Surveillance de la manutention du lait par les inspecteurs du Service de Santé de la Cité de Montréal. Québec Lait. 10:18-19. Jan.1951. 44.8 Q3

61732 CALBERT, H. E. The problem of antibiotics in milk. *J. Milk & Food Technol.* 14:61-64. Ref. Mar./Apr. 1951. 44.8 J824

61733 CAVAYE, E. Estudio clínico de un caso de contaminación láctea por "Bacillus prodigiosus" (nota de laboratorio). *An. de Bromatologia* 2:349-352. 1950. 389.8 An1

61734 CHRISTENSEN, L. J., DECKER, C. W., and ASHWORTH, U. S. The keeping quality of whole milk powder. I-II. *J. Dairy Sci.* 34:404-418. Ref. May 1951. 44.8 J822

I, The effect of preheat temperature of the milk on the development of rancid, oxidized and stale flavors with different storage conditions; II, The effect of preheat temperatures on the development of peroxides and ferri-cyanide-reducing groups under different storage conditions.

61735 DANNEMANN, R. Was bringt das Milch- und Fettgesetz? *Landwirtsch. Weser-Ems* 1950:1080-1081. Dec. 21, 1950. 18 L2345

61736 DOWNS, P. A. Controlling the flavor of milk! *Milkman* 1951:1. Apr. 1951. 44.8 M5962

61737 EATON, H. D. How the cow puts flavor in milk. *C. M. P. A. Bulletin* 32(380):6. Apr. 1951. 44.9 C768

61738 FOUNTAINE, F. C., and DAHM, P. A. Parathion-treated roughage safe. *Hoard's Dairyman* 96:442. May 25, 1951. 44.8 H65

Inquiry into toxicity to cattle and humans.

61739 GUHA, M. P., and GUHA, M. P. Adulteration of ghee. *Sci. & Cult.* 16:191-194. Nov. 1950. 475 Sci24

61740 HERZ, H. Die Schweiz und Schwedens butterkontrolle. *Schweiz. Zentbl. f. Milchwirt.* 40:76. Mar. 30, 1951. 44.8 Sch93

61741 LANGHARD, O. Die typischen käsefehler der letzten produktionsemester. (Extr.) *Schweiz. Zentbl. f. Milchwirt.* 40:30-31. Feb. 9, 1951. 44.8 Sch93

61742 MARTEL, A. La surveillance de la production du lait à Montréal. *Québec Lait.* 10:14-16. Jan. 1951. 44.8 Q3

61743 MARTEL, H. T. Quality points the way. *Calif. Dairyman* 31(9):50. June 2, 1951. 44.8 C12

Dairy products.

61744 NEEL, L. R. Capital milk for the capital. *Farm & Ranch—South. Agr. Upper So. Ed.* 81(5):25, 27. May 1951. 6 T31

Regulations under which the Maryland & Virginia Milk Producers Association operates.

61745 NUNEZ-SAMPER, M. Notas sobre la legislación y comprobación de helados. *An. de Bromatologia* 2:369-373. 1950. 389.8 An1

English summary.

61746 OLIVERO BLANCO, C. D. Normas generales que rigen las presentaciones ante la administración nacional. *Indus. Lech.* 33:134, 137-140, 142. (Cont.) Mar. 1951. 44.8 In26

Inspection in Argentine dairy plants.

61747 RICE, E. B. Cream defects—probable causes and prevention. *Queensland Agr. J.* 72:97-100. Feb. 1, 1951. 23 Q33

61748 RICHARDSON, G. A. Guernsey milk makes the honor roll. *Guernsey Breeders' J.* [Peterborough] 82:405-406, 435. June 6, 1951. 43.8 G93

61749 RITCHIE, E. C., and SMITH, G. "How" and "why" of Danish's grade A milk powder. *Food Engin.* 23(4):110-111. Apr. 1951. 389.8 F737

61750 SUDHOLT, H. Die molkereikontrolle in Westfalen u. Lippe. *Landwirtsch. Wchnbl. f. Westfalen u. Lippe* 108A:664-665. May 3, 1951. 18 L2346

61751 U. S. PRODUCTION AND MARKETING ADMIN. Grades for manufacturing milk. Washington, 1950. 4 p. 1.956 D14G75

61752 U. S. PRODUCTION AND MARKETING ADMIN. Grades of cream for use in the manufacture of butter. Washington, 1951. 2 p. 1.956 D14G752

61753 ZIJLSTRA, B., and others. The Netherlands regulations for controlling the quality of dried milk. *Nederlands Melk- en Zuiveltijdschr.* 5:51-71. Jan./Mar. 1951. 44.8 N283

P. Leuver, C. I. Kruisheer, and C. F. Vester, joint authors.

61754 ZIMMERMANN, F. L. Summary report of committee's findings up to date. (Condensed.) *J. Milk & Food Technol.* 14:73-74. Mar./Apr. 1951. 44.8 J824

New York State Joint Legislative Committee on Interstate Co-operation. Includes reference to milk inspection.

Packing and Packaging

61755 FROLOV, V. Galvanization of milk containers and equipment. (In Russian.) *Moloch. Promysh.* 11(10):44-45. Oct. 1950. 44.8 M734

61756 MAKAR'IN, A. Brushes for washing [milk] containers and implements. (In Russian.) *Moloch. Promysh.* 11(10):35-37. Oct. 1950. 44.8 M734

61757 MOLDAVAN, A. La valeur des capsules des bouteilles à lait comme moyen d'annonce. *Québec Lait.* 10:12-13. Jan. 1951. 44.8 Q3

61758 MOORE, H. The properties of glass in relation to its use as glass bottles for milk distribution. *Soc. Dairy Technol. J.* 4:160-165. Apr. 1951. 44.8 So12

61759 SEDDON, E. The production of glass bottles for dairy purposes. *Soc. Dairy Technol. J.* 4:166-175. Apr. 1951. 44.8 So12

Includes discussion.

61760 SLATER, L. E. What it takes to make a major processing innovation. *Food Engin.* 23(5):82-85. May 1951. 389.8 F737

Dairy products packaging.

61761 STARNES, J. R. Economies and advantages of the universal glass milk bottle. *South. Dairy Prod. J.* 49(5):31, 94-96. May 1951. 44.8 So83

61762 STOATE, N. P. Considerations governing the design of milk cans. *Soc. Dairy Technol. J.* 4:151-160. Apr. 1951. 44.8 So12

Includes discussion.

61763 SWETT, C. Cheese waxes. *Butter, Cheese & Milk Prod. J.* 42(6):33-34. June 1951. 286.85 B98Bu

Prices, Price Control, and Rationing

61764 BARON, D. Do Canadians want milk? *Farm-er's Mag.* 48(5):11, 58-59. May 1951. 7 C165

Prices of dairy products.

61765 BERUBE, B. En attendant le nouveau prix de soutien du beurre. *Terre de Chez Nous* 23(9):3. Apr. 25, 1951. 7 T27

Canada.

61766 GRUBBS, P. Your milk and its price; questions come up daily regarding workings of the Federal Milk Order. *Ky. Farm Bur. News* 14(11):2. Feb. 1951. 275.293 Kentucky

61767 JANOWSKI, H., PARAINGAUX, P., and DER-RUA, J. Étude des facteurs de qualité pour le paiement du lait. *Tech. Lait.* 7(76):15-17, 19-25, 27-29, 31-33, 35-37, 39-46. (Concl.) Feb. 23, 1951. 44.8 Of2

61768 KLAIBER, W. So steht es um den badischen milchpreis! *Bauern Ztg.* 4(10):5-6. (Concl.) Mar. 9, 1951. 18 B324

61769 MAHN. Buttergrosshandel erwartet berück-sichtigung berechtigter forderungen; bei neuregelung der butterpreise kann die erhöhung fast sämtlicher unkosten-faktoren des handels nicht übergangen werden. *Milch-Fettwaren-Eierhandel* 3:141. May 8, 1951. 286.85 M59 Germany.

61770 PRITCHARD, N. T. Producer butterfat differ-entials in fluid milk markets. *J. Farm Econ.* 33:251-257. May 1951. 280.8 J822

61771 SPENCER, L., and SCOTT, R. Costs, margins and producer prices in concentrated milk. *Amer. Milk Rev.* 13(6):14, 16. June 1951. 44.8 Am38

61772 VIAL, E. E. What about prices? *Ice Cream Field* 57(6):140-142. June 1951. 389.8 Ic23

Milk price control.

Processing and Storage

61773 AMERICAN DRY MILK INSTITUTE. Census of dry milk distribution 1950. Chicago, 1951. 20 p. 44.9 Am35C

61774 ATACK, F. W. L'emploi de colorants pour aliments dans les produits laitiers. *Québec Lait.* 10(4):28. Apr. 1951. 44.8 Q3

61775 ATKINSON, E. The making of Roquefort cheese. *Country Life* [London] 109:1878-1879. June 15, 1951. 80 C83

61776 AVILA, M. A. Quesos fundidos. *Res* 19:25756-25757. Feb. 20, 1951. 286.85 R31

61777 BABCOCK, C. J. 2 to 1 it's milk. *Butter, Cheese & Milk Prod. J.* 42(6):32. June 1951. 286.85 B98Bu

Concentrated milk.

61778 BARBER, F. W. HTST pasteurization of ice cream mixes. *Ice Cream Rev.* 34(11):130, 132-133. June 1951. 389.8 Ic22

61779 BARTLETT, R. W. A midwesterner takes a look at concentrated milk. *Amer. Milk Rev.* 13(6):22, 24. June 1951. 44.8 Am38

61780 BELANGER, J. L. Enquête sur la neutralisa-tion de la crème dans la province de Québec en 1949. *Québec Lait.* 10(3):19. Mar. 1951. 44.8 Q3

61781 BELL, R. W., and MUCHA, T. J. Heating as a means of preventing an oxidized flavor in milk during frozen storage. *J. Dairy Sci.* 34:432-437. May 1951. 44.8 J822

- 61782 BLOOMBERG, R., and HESSEY, F. E. Canned fresh milk now a reality. *Food Engin.* 23(6):71-74. June 1951. 389.8 F737
- 61783 BRIGGS, J. T. Cleaning and sterilising a large-scale plant. *Ice Cream Indus.* 27:511. May 1951. 389.8 Ic24
- Ice cream plant.
- 61784 BRIGGS, J. T. Function and working of the "vacreator." *Ice Cream Indus.* 27:510. May 1951. 389.8 Ic24
- In ice cream manufacture.
- 61785 BRYANT, C. B. A. Team work merits this accomplishment. *Popkess' Dairyman's J.* 38:6,11,14. Apr. 1951. 44.8 D142
- Sanitation in the dairy industry.
- 61786 CABRAS, F. Hygienic manufacture of sheep's milk cheese. (In Italian.) *Agr. Tosc.* 6:131-133. Apr. 1951. 16 Ag827
- 61787 CALBERT, H. E. "Wonder drugs"—a new headache for the dairy industry. *Butter, Cheese & Milk Prod. J.* 42(5):24-26,46. Ref. May 1951. 286.85 B98Bu
- Effects of antibiotics on dairy starters.
- 61788 CARPENTER, J. Modern wholesale ice cream manufacture (vi). *Biscuit Maker & Plant Baker* 2:86-88. Mar. 1951. 389.8 B54
- 61789 CHULKOV, D. Increasing the storage capacity for storing dairy products. (In Russian.) *Moloch. Promysh.* 11(10):42. Oct. 1950. 44.8 M734
- 61790 COLAM, E. E. F. Cream in ice cream. *Ice Cream Indus.* Year Book 1951:49-52. 389.8 Ic28
- 61791 COURCELLES, M. Sur certaines particularités du matériel des nouvelles laiteries suédoises. *Vie Lait.* 7(129):1-2. Apr. 10, 1951. 44.8 V67
- 61792 CROUCH, E. E. Milk cooling at the receiving station. *Refrig. J.* 4(9):48-52. Mar. 1951. 295.8 R255
- 61793 DAHLE, C. D. Sources of condensed milk for ice cream. *Confectionery-Ice Cream World* 45(22):36. June 4, 1951. 389.8 C767
- 61794 DAVIS, J. G. Ultimos progresos en equipos para la industria lechera. *Indus. Lech.* 33:143-145,147,149-150. Mar. 1951. 44.8 In26
- 61795 DECKER, C. W. Strawberry ice cream. *Ice Cream Rev.* 34(11):144,146,148,150. Ref. June 1951. 389.8 Ic22
- Manufacture.
- 61796 DEGOUX, P. Conservateurs à crème glacée à deux températures. *Rev. Prat. du Froid* 6(4):11-13. Jan. 1951. 295.8 R323
- 61797 DEHAVEN, G. New receiving room techniques developed in California. *Amer. Milk Rev.* 13(6):34,36,38, 89. June 1951. 44.8 Am38
- 61798 DUMAIS, R. L'effet nuisible de la pénicilline dans le lait sur les ferments lactiques et le fromage Cheddar. *Québec Lait.* 10(3):14-16. Mar. 1951. 44.8 Q3
- 61799 ECK, A. La fabrication du beurre en Allemagne. *Vie Lait.* 7(127):1-2. Mar. 15, 1951. 44.8 V67
- 61800 ECK, A. Les fromageries allemandes. *Vie Lait.* 7(129):1-2. Apr. 10, 1951. 44.8 V67
- 61801 ESMOND, C. W. What the industry is thinking about concentrated milk. *Amer. Milk Rev.* 13(6):18. June 1951. 44.8 Am38
- 61802 FARMER, E. C. Statistical quality control in ice cream manufacture. *Canad. Dairy & Ice Cream J.* 30(5):46,48,50,72,74. May 1951. 44.8 C162
- 61803 FEAGAN, J. Milk Board research laboratories; proper methods of cleaning and sterilising dairy equipment. *Milk Bd. J.* 2:152-153,155. Mar. 15, 1951. 44.8 M5934
- 61804 FIORE, A. Why not coffee? *Coffee & Tea Indus.* 74(5):64,72. May 1951. 389.8 Sp4
- Ice cream.
- 61805 FREEMAN, T. R. Formulating a well-balanced ice cream. *Ice Cream Rev.* 34(11):62. June 1951. 389.8 Ic22
- 61806 FUSSELL, G. E. Old-time dairy utensils. *Dairyman* 68:209,211. Apr. 1951. 44.8 D1426
- 61807 GARKUSHA, N. A brigade of high quality. (In Russian.) *Moloch. Promysh.* 11(10):21. Oct. 1950. 44.8 M734
- Butter manufacture at Zvenigorodka factory in Ukraine.
- 61808 GENNARO, E. L. Flavored milk, a stimulant to greater sales. *South. Dairy Prod. J.* 49(5):30,86-87. May 1951. 44.8 So83
- 61809 GOODMAN, F. L. Refrigeration in dairy product factories. 4-6. *Refrig. J.* 4(6):1028,1030,1032,1034, 1036,1038,1040;(7):42,44,46,48-49;(8):10,12,14,16,18;(9):32,34,36,38,40,42-46. Dec. 1950-Mar. 1951. 295.8 R255
- 61810 GOODWILLIE, D. F. Concentrated milk industry. *Ontario Milk Prod.* 26:281-282,309. Apr.-May 1951. 44.8 On8
- Condensed and evaporated milk.
- 61811 GREBNEV, I. Effort to improve the keeping quality of butter. (In Russian.) *Moloch. Promysh.* 11(10):20. Oct. 1950. 44.8 M734
- 61812 GUILFOYLE, J. M. Lait concentré. *Québec Lait.* 10:22-23. Jan. 1951. 44.8 Q3
- 61813 HABERMELL, V. Proper storage of ingredients. 5. Storage of milk products. *Canad. Baker* 64(4):23-24. Apr. 1951. 389.8 C166
- 61814 HARPER, F. C. Dairy floors and the disposal of effluent from them. *Soc. Dairy Technol. J.* 4:184-190. Apr. 1951. 44.8 So12
- Includes discussion.
- 61815 HAVIGHORST, C. R. Better ice cream by fast, capacity-plus hardening. *Food Engin.* 23(5):72-74. May 1951. 389.8 F737
- 61816 HIGGINBOTTOM, C. The can immersion and surface-cooling of milk on the farm. *Dairy Indus.* 16:453. May 1951. 44.8 D1427
- 61817 HILLS, G. L., VINNELL, L. J., and ITZEROTT, G. Precipitation trials "new way" buttermaking process. *Austral. Dairy Rev.* 19(3):14-17,25-26. Mar. 1, 1951. 44.8 Au73
- 61818 HOLLAND, R. F. The manufacture of concentrated milk. *Amer. Milk Rev.* 13(6):26,28. June 1951. 44.8 Am38
- 61819 HOOD, E. G., and GIBSON, C. A. Mould control in the cheese factory curing-room. *Canada. Dept. Agr. P.* 854,8 p. Dec. 1950. 7 C16Pu
- 61820 HOSTETTLER, H. Die wissenschaftliche forschung an der Eidg. Milchwirtschaftlichen und Bakteriologischen Anstalt Liebefeld im verlaufe der letzten drei jahre. *Schweiz. Zentbl. f. Milchwirt.* 40:31-32,64-65. Feb. 9, Mar. 16, 1951. 44.8 Sch93
- 61821 HUMPHRISS, E. Mix formulae calculation. *Ice Cream Indus.* Year Book 1951:75-80. 389.8 Ic28
- 61822 HUMPHRISS, E. Overrun—some relevant considerations. *Dairy Indus.* 16:468-469. May 1951. 44.8 D1427
- 61823 JACQUET, J., DELACROIX, J., and GONDOUIN, H. Etude sur les accidents provoqués en fromagerie de Camembert par la présence de pénicilline dans le lait. *Acad. d'Agr. de France. Compt. Rend.* 37:189-195. 1951. 14 P215Bc
- 61824 KEUNE, O. Melkhygiene muss demonstriert werden. *Hannoversche Land- u. Forstwirt. Ztg.* 104:269. Mar. 24, 1951. 18 H194
- 61825 KISER, W. R. Production problems in fruit and nut ice cream. *South. Dairy Prod. J.* 49(6):32,134-136. June 1951. 44.8 So83
- 61826 KRISHNASWAMY, M. A., and BABEL, F. J. Blacetyl production by cultures of lactic acid-producing streptococci. *J. Dairy Sci.* 34:374-385. Ref. May 1951. 44.8 J822
- 61827 LAFARGE. La production fromagère en France. VIII. La Tome de Brach. *Unité Paysanne* 6(280):3. Apr. 7, 1951. 14 Un3
- 61828 LEMBKE. Zur hygiene der molkereimilch. *Molk.-Ztg.* 5:265-266. Mar. 15, 1951. 44.8 M735
- 61829 LE ROI, D. Hard-pressed cheeses. 3. *Milk Indus.* 31(11):76-81. May 1951. 44.8 M593
- 61830 LUK'ANOV, N., and SHAKHOV, D. Systems of industrial processes of butter and cheese making factories and of separator sections. (In Russian.) *Moloch. Promysh.* 11(10):4-14;(11):11-20. Oct.-Nov. 1950. 44.8 M734
- 61831 MANITOBA. DEPT. OF AGRICULTURE AND IMMIGRATION. Water cooling for sweet cream. *Manitoba. Dept. Agr. & Immigr. P.* 241,4 p. Mar. 1951. 275.29 M313
- 61832 MARRACINO, R. The southern livestock-cheese problem. (In Italian.) *Latte* 25:59-60. (Cont.) Feb. 1951. 44.8 L35
- Problems of cheese manufacture in Italy.
- 61833 MARTIN, A. L'hygiène à l'établissement laiter. *Québec Lait.* 10(4):18-21. Apr. 1951. 44.8 Q3
- Sanitary processes.
- 61834 MENGERBIER, H. Der speisequark mit sahnemilch. *Molk.-Ztg.* 5:275. Mar. 15, 1951. 44.8 M735
- 61835 MILEVICH, A. New method for processing miscellaneous butter. (In Russian.) *Moloch. Promysh.* 11(10):43-44. Oct. 1950. 44.8 M734
- Butter oil.
- 61836 MOCQUOT, M. Conseils aux gruyéristes pour la fabrication de fromages ouverts. *Jura Agr. (n.s.)* 76:1. June 1, 1951. 14 J97
- 61837 MOHR, W., and JÜNGER, R. Prüfung der reinigungswirkung von reinigungs- und desinfektionsmitteln bei der kannenwäsche mit bürste von hand. *Milch-wissenschaft* 6:157-161. (Concl.) Ref. May 1951. 44.8 M5933
- English summary.

- 61838 MOLDAVAN, A. Comment utiliser la laveuse à immersion. Québec Lait. 10(3):18. Mar.1951. 44.8 Q3
In milk pasteurization.
- 61839 MORGAN, M. E., and NELSON, F. E. The distribution of certain amino acids in soluble fractions of milk cultures of *Streptococcus lactis*. J. Dairy Sci. 34: 446-456. Ref. May 1951. 44.8 J822
- 61840 MORTENSEN, M. Lacto—a "yogurt sherbet" of 40 years ago. Ice Cream Rev. 34(11):134,136,138. June 1951. 389.8 Ic22
Sour milk sherbet.
- 61841 MUCHA, T. J., and BELL, R. W. Separation and recombination as a means of deferring an oxidized (cardboard) flavor in milk during frozen storage. U. S. Bur. Dairy Indus. BDI-Inf-121,2 p. June 1951. 1.973 D4B34
Abstract of a paper presented at the meeting of the American Dairy Science Association, Knoxville, Tenn., June 6-8, 1951.
- 61842 MYRICK, N. Concentrated milk—spur truck or main line. Amer. Milk Rev. 13(6):8,10,12,20,80-81. June 1951. 44.8 Am38
- 61843 NEWELL, G. Cottage cheese provides further source of valuable milk bacteria. Food Canada 11(3):16, 18. Mar.1951. 389.8 F7323
Sweet curd method of manufacture.
- 61844 NEWELL, G. In bacteriology techniques lie the secret of yogurt production. Food Canada 11(2):9-10,12, 14. Feb.1951. 389.8 F7323
- 61845 PARKER, R. B., and ELLIKER, P. R. Destruction of lactic acid streptococcus bacteriophage by hypochlorite and quaternary ammonium compounds. J. Milk & Food Technol. 14:52-54. Ref. Mar./Apr.1951. 44.8 J824
- 61846 PARRY, M. T. The trade through 1950; great steps forward in hygiene. Ice Cream Indus. Year Book 1951:12-14. 389.8 Ic28
- 61847 PASCOE, J. V. The influence of cooling on the biological properties of milk. (Extr.) Refrig. J. 4(9):47-48,46. Mar.1951. 295.8 R255
- 61848 PETERSON, C. A. Nuts for ice cream. Ice Cream Rev. 34(11):82,84. June 1951. 389.8 Ic22
Similar title in Ice Cream Field 57(6):132-133. June 1951 389.8 Ic23; Confectionery-Ice Cream World 45(22):26,38. June 4,1951. 389.8 C767
- 61849 PETTE, J. W., and LOKEMA, H. Yoghurt. IV-V. (In Dutch.) Nederlands Melk- en Zuivelijdschr. 5: 14-45. Jan./Mar.1951. 44.8 N283
English summary.
IV, Proportion of bacterial types in yoghurt [cultures]; V, Firmness and whey separation of milk yoghurt.
- 61850 POSTHUMUS, G. Flow diagrams of pasteurisers. Nederlands Melk- en Zuivelijdschr. 5:1-9. Jan./Mar.1951. 44.8 N283
- 61851 PRITCHARD, A. C. Milk cooling on the farm. Refrig. J. 4(9):53,55-58. Mar.1951. 295.8 R255
- 61852 RIBEIRO, J. A. Don't let your cheese heat; advice on avoiding abnormal fermentation in cheese. (In Portuguese.) B. do Leite 4(44):5-6. Feb.1951. 44.8 B633
- 61853 RIBEIRO, J. A. Technology of manufacturing powdered milk. (In Portuguese.) B. do Leite 4(44):7-9. (Cont.) Feb.1951. 44.8 B633
- 61854 ROSS, O. E. A study in producing citrus flavored sherbets and ices. South. Dairy Prod. J. 49(5):38, 40,42. May 1951. 44.8 So83
- 61855 SÄITNER, M. Butterherstellung, erfahrung und technik. Ed. 6, rev. and enl. Kempten, Volkswirtschaftlicher Verlag, 1950. 55 p. 44 Sa26
- 61856 SCOTT, R. Penicillin and cheesemaking. Dairy Indus. 16:440-443. Ref. May 1951. 44.8 D1427
- 61857 SHEPHERD, E. Care with cream. Ice Cream Indus. 27:505-506. May 1951. 389.8 Ic24
As an ingredient in ice cream.
- 61858 SHEPHERD, E. The trade through 1950: Cleaners and sterilisers. Ice Cream Indus. Year Book 1951:19-21. 389.8 Ic28
- 61859 SMILLIE, D. M. Detergents—their use in the farm dairy. Dairy Indus. 16:444-449. May 1951. 44.8 D1427
- 61860 SPEER, W. A. Dairyman and doctor two of a kind. Calif. Dairyman 31(10):12-13. June 16,1951. 44.8 C12
Sanitation in the dairy industry.
- 61861 SUTTON, K. H. Das Mojonnier- verfahren für milcheindickung. Milchwissenschaft 6:205-207. June 1951. 44.8 M5933
English summary.
- 61862 SWITCH to continuous. Food Engin. 23(4):98-99, 177-179. Apr.1951. 389.8 F737
Butter manufacture.
- 61863 TAPP, F. C. Ice cream powders and their use; standards order emphasises need of analytical data. Ice Cream Indus. 27:499-501. May 1951. 389.8 Ic24
- 61864 THURSTON, A. S. Milk powder industry. Canad. Food Indus. 22(5):23-24. May 1951. 286.83 C166
- 61865 TOLLENAAR, F. D. The inhibition of oxidative defects in cold-stored butter by some tetraalkylthiuramdisulfides (preliminary report). Nederlands Melk- en Zuivelijdschr. 5:46-50. Jan./Mar.1951. 44.8 N283
Tetramethylthiuramdisulfide and tetraethylthiuramdisulfide.
- 61866 TRENDTEL, F. Wünsche für wasser- und milchhygienische lehrschauen. Hannoversche Land- u. Forstwirt. Ztg. 104:292. Mar.31,1951. 18 H194
- 61867 TROUT, G. M. Care of milk in the home. Amer. Milk Rev. 13(6):48-49,89. June 1951. 44.8 Am38
- 61868 TROUT, G. M. Concentrated milk. Mich. Milk Messenger 33:1,6. May 1951. 44.8 M582
- 61869 VESELY, L. The problem of research. (In Italian.) Latte 25:55. Feb.1951. 44.8 L35
- 61870 VOSKUIL, W. C. Putting the squeeze on milk! New concentrated milk product promises more milk money for Wisconsin dairymen. Wis. Agr. & Farmer 78 (9):7. May 5,1951. 6 W751
- 61871 WALKER, L. J. Modern cheese-making methods. Soc. Dairy Technol. J. 4:199-205. Apr.1951. 44.8 So12
Includes discussion.
- 61872 WAYWELL, J. Tables and technical data for the ice cream manufacturer. Ice Cream Indus. Year Book 1951:71-74. 389.8 Ic28
- 61873 WAYWELL, J. The trade through 1950: recipes revised to improve quality and storage properties. Ice Cream Indus. Year Book 1951:22-25. 389.8 Ic28
- 61874 WEBB, B. H. New milk preservation processes and their potentialities. Canad. Dairy & Ice Cream J. 30(5):31-34. Ref. May 1951. 44.8 C162
- 61875 WILDASIN, H. L., and DOAN, F. J. Some additional influences affecting the stability of concentrated milk in frozen storage. J. Dairy Sci. 34:438-445. Ref. May 1951. 44.8 J822
- 61876 WILKES, D. Effective use of flavors in ice cream in a war-time economy. Confectionery-Ice Cream World 45(21):26-27. May 28,1951. 389.8 C767
- 61877 ZAMARAIEV, S. Adaptation of butter making equipment of continuous action. (In Russian.) Moloch. Promysh. 11(10):39-41. Oct.1950. 44.8 M734

Statistics

- 61878 RISHER, F. W. Dairying in Florida. For Sale, Want & Exch. B. 3(12):1,4. Apr.16,1951. 280.38 F74
Statistics.
- 61879 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition, and income from milk, 1949-50, by J. L. Wilson and H. M. Walters. Washington, 1951. 13 p. 1.942 D22F22

FEED AND FORAGE CROPS

- 61880 ARENDS, W. R. The growth and responsibility of the feed industry. Calif. Hay, Grain & Feed Dealers Assoc. Annu. Conv. 27:5-6. Apr.1951. 389.79 C12
Also in Grain & Feed Rev. 40(10):20. June 1951. 280.28 C78; Feedstuffs 23(22):26-28. June 2,1951. 286.81 F322
- 61881 BARNETT, A. J. G. The estimation of lactic acid in silage. Biochem. J. 48:lvii-lviii. Apr.1951. 382 B52
- 61882 BEVIN, F. G. The manufacture and use of compounds. Inst. Corn & Agr. Merchants. J. 3:9-13. Spring 1951. 10 In7
Compound animal feeding stuffs.
- 61883 BRANNAN, C. F. Production to meet the test. Butchers' Advocate 129(17):8-10,19. Apr.25,1951. 286.85 B97
Feed production program.
- 61884 BREZINA, F. Productos y sub-productos de la destilación del maíz: forraje seco de la vinaza. Indus. Azucarera 56:110-111. Apr.1951. 65.8 In22
- 61885 CARPENTER, A. W. Thaw follows feed price freeze. East. Feed Merchant 2(4):25,53. Apr.1951. 389.78 Ea7
- 61886 EALES, H. C. Progress report on the standardization or code for fish meal before the annual convention of California Hay, Grain and Feed Dealers Association in San Francisco, April 20, 1951. Calif. Hay, Grain & Feed Dealers Assoc. Annu. Conv. 27:19-20. Apr.1951. 389.79 C12

- 61887 EBLING, D. Another idea; a new way to store grass silage and it works. *Sealtest Dairyman* 5(2):9. Mar./Apr. 1951. 44.8 Sel
- 61888 ELLIOTT, J. A. Start now to put up winter feed reserve. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(5):19. May 1951. 6 P945G
- 61889 FRANKE, J. A. P. Feed distribution in the framework of the general agricultural policy of Netherlands. (In Dutch.) *Nederland. Landb.-Com. Cent. Bur. Meded.* 35:17-24. Jan. 1951. 12 N287
- 61890 GERMANY (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Ertragsschätzung einiger futterpflanzen im hauptfruchtbaue 1950. Germany. Statist. Bundesamt. Statist. Ber. 3(4/16A), 4 p. Dec. 18, 1950. 265 V58
- Statistics.
- 61891 GIBSON, J. How to boost agriculture—and benefit yourself. *Feedstuffs* 23(22) 50-51. June 2, 1951. 286.81 F322
- Promotion for the feed industry.
- 61892 HAUCK, D. Durch zweckmässigen futterbau zum leistungsfutter. *Württemb. Wchnbl. f. Landwirt.* 118:360-361. May 5, 1951. 18 W96
- 61893 HOLDER, R. C. The competitive situation in the sale of fish meal and condensed fish solubles. *Amer. Feed & Grain Dealer* 35(4):26, 47. May 1951. 298.8 C83
- Also in *Feedstuffs* 23(20):24, 26. May 19, 1951. 286.81 F322
- 61894 KENTUCKY. AGRICULTURAL EXPERIMENT STATION. FEED AND FERTILIZER DEPT. Quarterly report on official feed samples analyzed. *Ky. Agr. Expt. Sta. Regulat. B.* 89, 27 p. Apr. 1951. 100 K41
- 61895 KIESER, E. H. The feed outlook—as we see it now. *Grain & Feed J. Consolidated* 106(11):23. June 13, 1951. 298.8 G762
- 61896 MCGINNIS, J. What's new in poultry nutrition. *Feedstuffs* 23(20):40, 42. May 19, 1951. 286.81 F322
- In the feed industry.
- 61897 MCNEAL, C. D. The feed industry outlook this year and next. *Grain & Feed J. Consolidated* 106(9):34-36. May 9, 1951. 298.8 G762
- Also in *Feedstuffs* 23(20):28-30. May 19, 1951. 286.81 F322
- 61898 MEAD, R. U. I favor "percentage" mark-ups. *East. Feed Merchant* 2(6):32-33, 48. June 1951. 389.78 Ea7
- 61899 MISSOURI. STATE DEPT. OF AGRICULTURE. Report of analyses of commercial feed stuffs for 1949. Jefferson City, 1950. 212 p. 389.79 M69
- 61900 MONTANA. AGRICULTURAL EXPERIMENT STATION. Commercial feeds report for 1950. *Mont. Agr. Expt. Sta. B.* 472, 56 p. Dec. 1950. 100 M76
- The Commercial Feeds Law and feed analysis.
- 61901 MOULE, G. R. The aerial transport of feed for floodbound sheep. *Queensland Agr. J.* 72:101-115. Feb. 1, 1951. 23 Q33
- 61902 NARRAMORE, M. A consumer education program that works! *Amer. Feed & Grain Dealer* 35(4):16-17. May 1951. 298.8 C83
- Feed industry.
- 61903 RADTKE, R. Kartoffelgrossdämpfanlage und zuckerfabrik. *Hannoversche Land- u. Forstwirt. Ztg.* 103:1009-1010. Nov. 11, 1950. 18 H194
- Processing for feed.
- 61904 SANFORD, F. B. The amazing fish meal industry. *Feedstuffs* 23(23):18, 20, 22-24. June 9, 1951. 286.81 F322
- 61905 SHVARTSEPEL', E. On improving the technological [milling and crushing] equipment of the combined-feed factories. (In Russian.) *Miasnaia Indus. SSSR.* 21(6):21-26. Nov./Dec. 1950. 50.8 M58
- 61906 SILCOX, C. N. Bag supply gets shorter—market climbs. *G. L. F. Week. Serv. Sched.* 15(42):3. Apr. 1951. 280.28 G113W
- Feed bags.
- 61907 SOUTH AFRICAN BUR. OF STANDARDS. Specification for poultry feeds. Pretoria, Standards Council, 1950. 36 p. 300.9 S08
- 61908 SYNGE, R. L. M. Methods for isolating ω -amino-acids: γ -aminobutyric acid from rye grass. *Biochem. J.* 48:429-435. Ref. Apr. 1951. 382 B52
- 61909 VAN RYPER, G. S. Farm level selling pays. *East. Feed Merchant* 2(6):30-31, 50-51. June 1951. 389.78 Ea7
- Feeds.
- 61910 WARD, H. H. The Association of Green Crop Driers. *Milling* 116:364-365. Apr. 14, 1951. 298.8 M622
- 61911 WILSON, E. Feedingstuffs outlook is grim. *Poultry [London]* 108:390. May 15, 1951. 47.8 P869

61912 WISWESSER. Das häckseln von rauhfutter und seine lagerung. *Bad. Landwirt. Wchnbl.* 118:222. Apr. 7, 1951. 18 B142

FIBERS AND TEXTILES

- 61913 ABBEY, W. Despite adverse weather conditions, Texas valley to harvest record crop. *Cotton Digest* 23(39):9. June 16, 1951. 286.82 C822
- 61914 ALBERTARIO, P. The price of hemp must be determined on the basis of the market situation. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 25:1-2bis. Apr. 14, 1951. 281.8 Ag3
- 61915 ALEXANDER, P., and others. Esterification of the carboxyl groups in wool. *Biochem. J.* 48:629-637. Ref. May 1951. 382 B52
- D. Carter, C. Earland, and O. E. Ford, joint authors.
- 61916 ALEXANDER, P., CARTER, D., and JOHNSON, K. G. Formation by formaldehyde of a cross-link between lysine and tyrosine residues in wool. *Biochem. J.* 48:435-441. Ref. Apr. 1951. 382 B52
- 61917 ALEXANDER, P., GOUGH, D., and HUDSON, R. F. The reaction of oxidizing agents with wool. 3-4, *Biochem. J.* 48:20-27, 504-511. Ref. Jan., Apr. 1951. 382 B52
- 3, The influence of the morphology on the rate of reaction; 4, The reactivity of tyrosine, by P. Alexander and D. Gough.
- 61918 AMATRUDA, A. Vicara, the fiber that improves the blend. *Textile Forum* 8(2):15-18. Apr. 1951. 304.8 T3191
- 61919 ANDERSON, S. L., and PALMER, R. C. The effect of non-circular cross-section on fibre diameter measurement of wool by the profile method. *Textile Inst. J.* 42:P114-P116. Mar. 1951. 73.9 T31
- 61920 AUSTRALIA. BUR. OF AGRICULTURAL ECONOMICS. Wool outlook as at October 31, 1950. Canberra, 1950. 44 p. 45.9 Au79W
- 61921 BIGGAR, J. T. M. The wool textile industry in India. *World Wool Digest* 2(8):10-13. May 9, 1951. 304.8 W89
- 61922 BIGGIN, R. E. Mechanical testing of wool tops. *Textile J. Austral.* 26:11-12, 14-16, 19. Mar. 20, 1951. 304.8 T3134
- 61923 BISSONNET, A. P. Prosperity of Pakistan depends largely on jute and cotton. *Foreign Trade* 9:987-989. June 2, 1951. 286.8 C162
- 61924 BLACKSHAW, S. Fibers in cotton yarn cross-sections. *Rayon & Synthetic Textiles* 32(5):50, 52. May 1951. 304.8 R21
- 61925 BOGDAN, J. F., and FENG, I. Questionnaire on nep control practice in industry reveals interesting information. *Textile Forum* 8(2):26-27. Apr. 1951. 304.8 T3191
- Cotton.
- 61926 BOGEA, J. P. History of cotton in Ceará. (In Portuguese.) *Lavoura* 54:39-40. Sept./Oct. 1950. 9.2 L39
- 61927 BOWLES, C. E. Farmers buy a compress; South Texas growers, through co-op gins, compress and marketing association, now control their cotton from farm to mill. *Prog. Farmer, Tex. Ed.* 66(6):16. June 1951. 6 T311
- 61928 BRAY, R. J., and CARTER, E. G. Wool fibre is still supreme; but synthetics have price advantage. *Wool Rec. & Textile World* 79:1745-1746. May 24, 1951. 45.8 W884
- Summary of a paper entitled: Trends in Wool Research.
- 61929 BUCK, W. M., and SLAGSVOLD, P. L. Why shrinkage reports may vary for identical lots of wool. *Mktg. Activ.* 14(2):10-12. Feb. 1951. 1.942 A8M34
- 61930 BUURSMA, S. Les fibres végétales. (In Dutch.) *Econ. Statist. Ber.* 36:262-265. Apr. 4, 1951. 280.8 Ec722
- French summary, p. 255.
- 61931 CALIFORNIA COTTON COOPERATIVE ASSOCIATION. Cotton from California. Bakersfield, Calif., 1950. 16 p. 281.372 C12
- 61932 CAMPAIN, A. L. The cost of raw wool in textiles. *So. Austral. Dept. Agr. J.* 54:329-331. Feb. 1951. 23 S084
- 61933 CASTRO, G. P. Ramle decortication. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(365):20-25. Apr. 1951. 9.2 B733
- 61934 CENTOLA, G. The solubility of cellulose. (In Italian.) *Indus. della Carta* 5:13-18. Feb. 1951. 302.8 In22
- 61935 CHAPRON, C. L'évolution du marché de la laine. *Unité Paysanne* 6(280):1.6. Apr. 7, 1951. 14 Un3
- 61936 CHESTERS, C. C. *News of textiles and related materials.* Research [London] 4:102-107. Ref. Mar. 1951. 472 R31

- 61937 DALL, W. B. Keen shortage of American cotton in sight. *Indian Textile J.* 61:268-271,296. Feb.1951. 304.8 In2
- 61938 DALY, J. A. Cotton trade pessimistic over cellings; optimistic of heavy Carolina rains. *Cotton Digest* 23(39):11. June 16,1951. 286.82 C822
- 61939 DAS, D. B., MITRA, M. K., and WAREHAM, J. F. The colour of raw jute. *Sci. & Cult.* 16:357-359. Ref. Feb.1951. 475 Sci24
- 61940 DAS, D. B., MITRA, M. K., and WAREHAM, J. F. On the composition of bimli and mesta fibres (*Hibiscus cannabinus* L.) *Sci. & Cult.* 16:117-118. Sept. 1950. 475 Sci24
- 61941 DAVIDSON'S cordage, twine and duck trade, 43d, 1951. Ridgewood, N. J.,1950? 338 p. 304.8 D29 Directory.
- 61942 DE KLERK, J. C. The South African woolen textile industry. *Farming So. Africa* 26:99-100. Mar. 1951. 24 So842
- 61943 DICKER, R. Le froissement des fibres textiles et les techniques d'infroissabilisation. *Rayonne et Fibres Synthétiques* 7(2):55-58; (3):13-18;(4):12-16;(5):51-55. (Cont.) Ref. Feb.15-May.15,1951. 304.8 R214
- 61944 DURAND-REVILLE, L. Le problème cotonnier en A.E.F. *Marchés Colon.* 7:817-818. Mar.24,1951. 286.8 M33
- 61945 EVANS, M. E. Chardonnet's mechanical silkworm; this French scientist, whose curiosity ranged from the eye of a bird to the diet of a silkworm, fathered the man-made fibers of rayon. *Du Pont Mag.* 45(3):24-26. June/July 1951. 309.8 D92
- 61946 EYRE, N. Identification of fibres. 1-2. *Textile Mercury & Argus* 124:845,847,849,896,899. May 18,25, 1951. 304.8 T318
- 61947 FEIBUS, L. Textile waste may be converted into valuable products. *Textile Forum* 8(2):13-14. Apr. 1951. 304.8 T3191
- 61948 FINCH, R. B. Interfiber stress and its transmission. I-II. *Textile Res. J.* 21:375-392. June 1951. 304.8 T293
- I, Measurement of the contact area between fibers under pressure; II, Theory of the pressure distribution and contact area between fibers.
- 61949 FRAENKEL, M. La formation des prix du coton et de la laine. (In Dutch.) *Econ.-Statis. Ber.* 36:256-258. Apr.4,1951. 280.8 Ec722
- French summary, p. 255.
- 61950 FRANCE. DIRECTION DE LA DOCUMENTATION. Le lin et l'industrie linière française. France. Dir. de la Doc. Notes et Études Doc. 1459,30 p. Apr.4, 1951. 280.9 F843
- 61951 GARRARD, W. M. Crop survey: Delta cotton crop planted and on the way to a successful season. *Cotton Digest* 23(35):8. May 19,1951. 286.82 C822
- 61952 GERDES, F. L. Laboratory-test and field-study information of interest to Alabama ginners. *Washington, U. S. Prod. & Mktg. Admin.*,1951. 10 p. 1.9422 C2G31
- Address at meeting of the Alabama Cotton Ginners' Association, Birmingham, Mar. 29, 1951.
- 61953 GERY, R. Du nouveau sur le marché de la laine? *Coopération* 21:16-17. Apr.1951. 280.28 C7845
- 61954 GOMES, A. O. Rearmament and the rise in wool. (In Portuguese.) *Observador Econ. e Financ.* 16(181):43-44. Feb.1951. 280.8 Ob72
- Great Britain.
- 61955 GOCSSENS, L. Applications de la statistique mathématique; comparaison de deux types de peigneuses (combing machines). *Rayonne et Fibres et Synthétiques* 7(4):91-103 (To be cont.) Apr.15,1951. 304.8 R214
- English summary.
- 61956 GOULBERGH, M. The textile industry in British India. (In Flemish.) *Textielwezen* 7(5):16-19. May 1951. 304.8 T3147
- 61957 GRALEN, N., LAGERMALM, G., and PHILIP, B. Diskussion über "Die Subcutis-membran, eine kürzlich entdeckte morphologische Komponente der Wollfaser von P. Alexander." *Melliand Textilber.* 32:350-352. Ref. May 1951. 304.8 T312
- Includes discussion.
- 61958 GROVER, E. B. Controlling waste along with neeps. *Textile B.* 77(5):65-66,68. May 1951. 304.8 So82
- Cotton.
- 61959 GRUBER, H. Günstige lage für flachs und hanf! *Kärntner Bauer* 101:75. Feb.15,1951. 19 K14
- 61960 GUSLER, G. The "golden fleece" is here! High wool prices warrant sheep expansion—wool consumption is ahead of production. *Nebr. Farmer* 93(7):1,26-27. Apr.7,1951. 6 N27
- 61961 HAARER, A. E. Ramie, a "wonder weed" yields a distinctive fibre. *New Commonwealth* 21:663-665. June 1951. 280.8 C88
- 61962 HAMBY, D. S. Testing—and its uses in better manufacturing. *Textile B.* 77(4):66-71,73. Apr.1951. 304.8 So82
- Fiber testing.
- 61963 HERMANS, P. H., and KAST, W. Über den streckvorgang bei künstlichen zellulosefasern. *Kolloid-Z.* 121:21-32. Feb.1951. 384 Z315
- 61964 HILL, D. W. Textiles. In Dunsheath, P., ed. *A century of technology, 1851-1951*, p.90-102. London, 1951. 277.171 D92
- Includes spinning and new fibers.
- 61965 HOPKINS, G. E. Carding disentangles, straightens wool fibers in their transition to woolen or worsted yarn. *Woolfacts Educ.* 1951:3. May/June 1951. 304.8 W885
- 61966 INDIRIZZI dei lanifici italiani per alfabeto e per località [Directory of wool manufacturers, arranged alphabetically and by locality]. Roma, E.L.S.A., 1950. 202 p. 304 In23
- 61967 L'INDUSTRIE cotonnière, un des éléments-clés de l'économie française. *Économie* 7(297,sup),8 p. Apr.19,1951. 280.8 Ec726
- 61968 INTERNATIONAL COTTON ADVISORY COMMITTEE. Statement of the United States Delegation to the tenth plenary meeting, Lahore, Pakistan, on the United States cotton situation, February 1951. Washington, 1951. 23 p. 286.3729 In82
- 61969 INTERNATIONAL COTTON ADVISORY COMMITTEE. SECRETARIAT. Tentative statistical tabulation for consideration by Cotton-Cotton linters Committee of the International Materials Conference. Washington? 1951. 11 p. 286.372 In82
- 61970 JACKENDOFF, R. Increased demand for wool creates worldwide problem. *Textile Forum* 8(2):9-11. Apr.1951. 304.8 T3191
- 61971 JEANMAIRE, H. La industria sedera francesa. *Trab. Nac.* 1579:91-92. Mar.1951. 280.8 T672
- 61972 KAST, W. Netzstruktur und orientierung von zellulosefasern. *Makromolekulare Chem.* 6:114-126. Mar.1951. 384 M28
- 61973 KAST, W. Röntgenstrukturuntersuchungen an zellulosefasern. II. *Melliand Textilber.* 32:361-363. May 1951. 304.8 T312
- English summary.
- 61974 KASWELL, E. R., and PLATT, M. M. Mechanics of elastic performance of textile materials. VII. Mechanical properties of hard fibers with reference to their use in cordage structures. *Textile Res. J.* 21:263-276. Ref. May 1951. 304.8 T293
- 61975 KENNEDY, R. K. Dynel possesses unique combination of characteristics. *Textile Forum* 8(2):35,37. Apr.1951. 304.8 T3191
- 61976 KLERK, J. C. DE. South Africa a potential source of fibers. (In Afrikaans.) *Landbouweekblad* 32 (1658):18. Apr.25,1951. 24 L232
- 61977 KOCH, P. A. Unterscheidung von reifer und unreifer bzw. toter baumwolle. *Textil-Rundschau* 6:169-175. Ref. Apr.1951. 304.8 T3139
- Properties of the fiber.
- 61978 KONIG, J. A propos du gonflement des fibres cellulose artificielles. *Rayonne et Fibres Synthétiques* 7(3):29-32. Mar.15,1951. 304.8 R214
- 61979 LANE, A. W. Bag outlook for 1951. *Oil Mill Gaz.* 55(10):28-30. Apr.1951. 307.8 O153
- Jute.
- 61980 LANG, W. R. The textile future of wool. *Past. Rev.* 61:257-258. Mar.16,1951. 23 Au75
- 61981 LAROSE, P. An aid to the measurement of fibre diameter. *Textile Inst. J.* 42:P104-P106. Mar.1951. 73.9 T31
- 61982 LAUER, K. Zur kenntnis der zellulosefasern. 15-18. *Kolloid-Z.* 121:33-39,135-140. Ref. Feb.-Mar.1951. 384 Z315
- 61983 LAVELEYE, P. DE. Le marché mondial des principales matières premières textiles. *Rayonne et Fibres Synthétiques* 7(2):59-72. Feb.15,1951. 304.8 R214
- 61984 LEINWEBER, W. F., JR. An analysis of fiber blending. *Textile Age* 15(6):50-53. June 1951. 304.8 T3132
- 61985 LINDBERG, J. Fundamental textile research in USA and England. (In Swedish.) *Textil och Konfektion* 8(2):20-21,35-36. (To be cont.) Mar.1951. 304.8 T3192
- English summary.
- 61986 LUNA ERCILLA, C. A. La extracción de fibras vegetales. *Bolsa de Cereales, Buenos Aires. Rev.* 38 (1985):22,24. Mar.1,1951. 287 B866
- 61987 LUSK, M. Special fabric finishes. *Wash. State Col. Ext. Mimeog.* 973,3 p. Mar.21,1951. 275.29 W27Mi
- 61988 MCCAFFREY, G. Will British cotton stage a come-back? *Canad. Business* 24(6):58-59,140,142,144. June 1951. 287 C162

- 61989 MCHARDY, J. L. Fluctuations in the wool market: work of the British Wool Commission and the Joint Organisation. *Merino Breeders' J.* 13(2):12-13, 45. Apr. 1951. 45.8 So8
- 61990 MACMILLAN, W. G., and SEN GUPTA, A. B. Effect of partial acetylation on jute. *Nature [London]* 167:775. May 12, 1951. 472 N21
- 61991 MAFERA, F. The Italian textile market within the framework of world conditions. (In Italian.) *Mondo Tessile* 6:57-59. Feb. 1951. 304.8 M742
- 61992 MARFATIA, K. R. East African cotton quality incentive scheme; what it is and how it will work. *Indian Textile J.* 61:285-286. Feb. 1951. 304.8 In2 Grading.
- 61993 MARTI NICOLAU, L. La madera incorporada a la industria textil. *Cult. Mod.* 34:98-99. Mar. 1951. 15 C89
- Use of various types of wood in manufacture of textile fibers.
- 61994 MERKEL, C. M. Follow the 4 points to better ginning. *Cotton Gin & Oil Mill Press* 52(12):13-14. June 9, 1951. 304.8 C822
- 61995 MONCRIEFF, R. W. The mechanics of wool felting. *Textile Mfr.* 77:242-245. (Concl.) May 1951. 304.8 T3126
- 61996 MOORE, V. P. Some elements of cotton quality as affected by ginning. *Cotton Gin & Oil Mill Press* 52(12):24, 28, 30. June 9, 1951. 304.8 C822
- 61997 MORROW, M. G. Cotton still textile king. *Sci. News Let.* 59:378-379. June 16, 1951. 470 Sci24
- 61998 MORTON, W. E. The spinning value of raw cotton. *Textile Res. J.* 21:259-262. Ref. May 1951. 304.8 T293
- 61999 MUROGA, K. Spinners need more cotton. *Oriental Econ.* 18:154-155. Feb. 24, 1951. 280.8 Or4 Japan.
- 62000 NAYUDU, K. S. Co-operative marketing of cotton in the U. S. A.; the Cotton Producers' Association, Atlanta, Georgia. *Indian Co-op. Rev.* 16:301-318. Oct./Dec. 1950. 280.28 In2
- 62001 NEVELL, T. P. The oxidation of cotton cellulose by nitrogen dioxide. *Textile Inst. J.* 42:T91-T129. Ref. Mar. 1951. 73.9 T31
- 62002 NEVELL, T. P. A qualitative X-ray study of the oxidation of cotton cellulose by nitrogen dioxide. *Textile Inst. J.* 42:T130-T140. Ref. Mar. 1951. 73.9 T31
- 62003 NOPITSCH, M. Bakterielle schäden an textilien und ihre verhütung. II. *Melliand Textilber.* 32:344-346. May 1951. 304.8 T312 English summary.
- 62004 OLDHAM MASTER COTTON SPINNERS' ASSOCIATION. Report of the committee for year ended December 31st, 1950 together with lists of the committee and members. Oldham, 1951. 146 p. 72.9 OL1
- 62005 OLEMAN, V. E. Effect of opening and picking on the staple length of cotton. *Textile B.* 77(5):68, 70. May 1951. 304.8 So82
- 62006 OLIVER, J. G. World rayon production and consumption. *Skinner's Silk & Rayon Rec.* 25:546, 548, 550, 553. Apr. 1951. 304.8 S132 Statistics.
- 62007 PATTYN, J. The straw flax supply in 1950. II. (In Flemish.) *Textielwezen* 7(5):12-14. May 1951. 304.8 T3147 Belgium.
- 62008 PEDRAZA, R. Comentarios al artículo: un aparato barato para medir la humedad del algodón. *Agr. Trop.* 7(4):55-58. Apr. 15, 1951. 26 Ag8
- 62009 PHILLIPS, J. K. The effect of gage length on fiber strength measurements. *Textile Res. J.* 21:287-288. May 1951. 304.8 T293
- 62010 PIEPER, E. Le perlon. *Rayonne et Fibres Synthétiques* 7(2):43-49. Feb. 15, 1951. 304.8 R214
- 62011 PRUNTY, M., JR. Recent quantitative changes in the cotton regions of the Southeastern States. *Econ. Geog.* 27:189-208. Ref. July 1951. 278.8 Ec7
- 62012 QUAAS, K. Filature simplifiée et améliorée de la fibrane avec le nouveau banc d'étréage ZL a deux lanieres. *Rayonne et Fibres Synthétiques* 7(5):59-62. May 15, 1951. 304.8 R214
- 62013 QUIG, J. B. What's ahead for the chemical fibres? *Textile J. Austral.* 26:66, 102-103. Mar. 20, 1951. 304.8 T3134
- 62014 RADCLIFFE, J. W. Woollen & worsted yarn manufacture. Manchester, Emmott, 1950. 421 p. 304 R11W Wool fiber processing.
- 62015 REED, S. Hard fiber rope. *South. Power & Indus.* 69(6):72, 76, 78, 80, 82, 112-113. June 1951. 291.8 So8
- 62016 REICHE, P. A. Istles, Mauritius- und Neuseelandhanf—produktion, handel und absatz. *Melliand Textilber.* 32:343-344. May 1951. 304.8 T312 Bromelia, New Zealand fiberlily, and Furcrea.
- 62017 RICHARDS, R. E. The wool situation. *Wis. Coop. Wool Growers News* 16(9):3. Apr. 1951. 280.28 W882
- 62018 ROELOFSEN, P. A. Contradictory data on spiral structures in the secondary cell wall of fibers of flax, hemp, and ramie. *Textile Res. J.* 21:412-418. Ref. June 1951. 304.8 T293
- 62019 ROSS, J. E., JR. Some observations on the economic aspects of ginning operations. *Cotton Gin & Oil Mill Press* 52(11):11-12. May 26, 1951. 304.8 C822 Also in *Cotton Digest* 23(39):8, 20. June 16, 1951. 286.82 C822
- 62020 SÁNCHEZ HERNANDO, F. La ficha de análisis de lanas. *Ganadería [Madrid]* 9:69-70. Feb. 1951. 49 G15
- 62021 SCHAEFFER, A. Einwirkung von alkali auf cel-lulose. *Textil-Rundschaу* 6:159-168. Ref. Apr. 1951. 304.8 T3139
- 62022 SCHMIDT, F. Wie steht es um den hanfanbau? *Hannoversche Land- u. Forstwirtschaft. Ztg.* 104:293. Mar. 31, 1951. 18 H194
- 62023 SCHULZ, E. Das interessiert den flachs-anbauer. *Versorgung* 5:8. Jan. 1951. 280.8 V61 Russian Zone of Germany.
- 62024 SCHURINGA, G. J., SCHOONEVELDT, C., and KONINGS, T. The reaction of combined cystine of wool with sodium bisulfite. *Textile Res. J.* 21:281-285. Ref. May 1951. 304.8 T293
- 62025 SEN, K. R. Measurement of the complexity of jute. *Indian Textile J.* 61:290-292. Feb. 1951. 304.8 In2 304.8 In2
- 62026 SHEARD, G. E. Efficiency factors in worsted ring spinning. *Textile Mfr.* 77:211-215. May 1951. 304.8 T3126
- 62027 SHINN, W. E., SINK, C. B., and PARKER, M. E. A review of the literature: cotton yarn sizing materials, preparation and practices. *Textile B.* 77(4):85-86, 90-91. Ref. Apr. 1951. 304.8 So82
- 62028 SIGNER, R., PFISTER, H., and STUDER, H. Elektronenmikroskopie der oberfläche von textilfasern. *Makromolekulare Chem.* 6:15-24. Mar. 1951. 384 M28 English summary.
- 62029 SPEAKMAN, J. B. Some possibilities in wool processing. (Sum.) *Dyer* 105:633. May 18, 1951. 306.8 D98
- 62030 SPOERRY, R. Textile industry in Switzerland continues to expand despite uncertain world economic conditions. *Textile Forum* 8(2):23, 25. Apr. 1951. 304.8 T3191
- 62031 STEELE, R. O., and others. Review of textile research and development during 1950. *Textile Res. J.* 21:293-373. Ref. May 1951. 304.8 T293 H. Wakeham, J. H. Wakelin, H. J. White, Jr., C. H. Reichardt, K. L. Turner, and C. Messler, joint authors.
- 62032 STEIWER, W. H. Position of the National Wool Growers Association on the extension of the Defense Production Act; a summary of the statement made by President W. H. Steiwer before the Senate and House Banking and Currency Committees, May 25 and 26, 1951. *Natl. Wool Grower* 41(6):17-18. June 1951. 45.8 N21N
- 62033 STRANG, P. M. The theory of carding. I. *Whitin Rev.* 18(2):25-30. Mar./Apr. 1951. 304.8 W58 Cotton.
- 62034 SYNTHETIC fibers. *Chem. & Engin. News* 29:2552-2557. June 25, 1951. 381 J825N
- 62035 TOWNEND, P. P. Crimp in wool. *Wool Rev.* 23(361):31. May 1951. 45.8 W886
- 62036 TOWNSEND, M. W. H., and COX, D. R. The analysis of yarn irregularity. *Textile Inst. J.* 42:P107-P113. Mar. 1951. 73.9 T31
- 62037 TRAILL, D. Background to "ardil." (Sum.) *Dyer* 105:631. May 18, 1951. 306.8 D98
- 62038 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report, on the accounts of the S. A. Wool Disposals Organization, for the accounting year 1st July, 1948 to 30th June, 1949. Pretoria, 1950. 23 p. 281.3459 So8
- 62039 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Test methods for measuring shrinkage in laundering of knit rayon fabrics. Washington, 1951? 3 p. 1.982 A2T282
- 62040 U. S. PRODUCTION AND MARKETING ADMIN. General guide for the purchase and acceptance of extra long staple cotton to meet requirements of the United States Government for stockpile purposes. Washington, 1951. 1 p. 1.956 A2G284
- 62041 U. S. PRODUCTION AND MARKETING ADMIN. Market outlets for cotton in knit goods, by J. H. McLure. Washington, 1951. 17 p. 1.956 C82M3442

62042 VIEIRA, G. V. N. The domestic wool industry. (In Portuguese.) *Lavoura* 54:24-27. Sept./Oct. 1950. 9.2 L39

Brazil.

62043 VOGEL, F. Die arbeiten von Prof. Dr.-ing. E. Elöd über die erschwerung von naturseide. *Melliand Textilber.* 32:376-377. May 1951. 304.8 T312

62044 WALKER, W. A. M. Jute and the jute industry. *World Crops* 3:127-130,138. Apr. 1951. 281.8 W892

62045 WARD, J. M., and others. Quality and fiber characteristics of mechanically harvested cotton of the High Plains, 1949. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1370, 5 p. May 16, 1951. 100 T31P

L. E. Hessler, D. L. Jones, and W. E. Paulson, joint authors.

62046 WEGENER, W., and QUESTEL, R. Untersuchungen über die ursache der zerstörung von nativen faserstoffen durch mikroorganismen. I *Melliand Textilber.* 32:346-349. Ref. May 1951. 304.8 T312

English summary.

Fungi.

62047 WILKINSON, C. R. Modern wool scouring. *Dyer* 105:627-629. (To be cont.) May 18, 1951. 306.8 D98

62048 WILLIAMS, A. E. Finishing treatments: iodinated wool. *Textile Mercury & Argus* 124:852,855. May 18, 1951. 304.8 T318

62049 WOLF, H. W. Quantitative determination of nylon, orlon and fiber V in wool blends. *Amer. Dyestuff Rptr.* 40:273-276. Apr. 30, 1951. 306.8 Am3

62050 WRIGHT, J. W. Developments in research on cotton. *Amer. Assoc. Textile Technol. Papers* 6:116-124. June 1951. 304.9 Am33

Includes discussion.

62051 YEHA, A. E. Le développement de l'industrie textile en Egypte. *Soc. Belge d'Etudes et d'Expansion. B. Bimes.* 145:253-256. Mar./Apr. 1951. 280.8 So17

62052 ZAHN, H. Über die reaktion von 1,3-difluor-4,6-dinitrobenzol mit faserproteinen und aminosäuren. 1. *Kolloid-Z.* 121:39-45. Ref. Feb. 1951. 384 Z315

62053 ZENTLER, A. P., and FRAZER, S. B. La laine devant un dilemne. *Monit. Textile* 13:547,549,551,553. May 1951. 304.8 M74

FRUITS, VEGETABLES, AND NUTS

62054 ALLNUTT, R. B. Pineapple possibilities in the Leeward Islands. *Caribbean Comm. Mon. B.* 4:535-537. Oct. 1950. 280.9 C19

62055 ARNOLDT, P. G. Gemüseerfassung und -versorgung im jahre 1951. *Versorgung* 5:6-7. Jan. 1951. 280.8 V61

Russian Zone of Germany.

62056 BEAUSOLEIL, J. E. J. The development of the Gros Michel banana industry. *Agr. Soc. Trinidad & Tobago. Proc.* 50:373-376. Dec. 1950. 8 T73

62057 BERRY, T. Blueberries, a new western crop for which demand always is ahead of supply. *Oreg. Grange B.* 50(21,illus.sect.):3,9,11. Apr. 5, 1951. 6 Or3

62058 BOUILLANNE, P. Enquête sur l'abricotier, le commerce et l'industrie de l'abricot dans le Roussillon (13 au 16 octobre 1950); enseignements à tirer pour la Tunisie. *Tunisie Agr.* 52:21-29. Jan. 1951. 24 T832

62059 BURKE, J. H. Observations on the citrus industry of Cyprus. *U. S. Off. Foreign Agr. Relat. FCF-4-51,17 p.* Apr. 6, 1951. 1.943 F7637

62060 CALIFORNIA PRUNE AND APRICOT GROWERS ASSOCIATION. Prunes: a Sunsweet study. What's New Home Econ. 15(10):97-112. June 1951. 321.8 W55

62061 CALZECCHI-ONESTI, A. Economic aspects of Italian horticulture. (In Italian.) *Italia Agr.* 88:179-186. Apr. 1951. 16 It1

62062 CAVINA, R. Present importance of the manioc in Brazil. (In Portuguese.) *Selec. Agr.* 6(58):55-57. Feb. 1951. 9.2 Se4

62063 CHAN, G. S. Arrowroot and its commercial possibilities in Bataan. *Philippines. Bur. Plant Indus. Plant Indus. Digest* 13(5):19-23. May 1950. 25 P544P

62064 CHARLEY, V. L. S. Sources, production and distribution of pectin. *Chem. & Indus.* 21:394-400. Ref. May 26, 1951. 382 M31C

62065 CHENG, C. Y. Formosa, land of pineapple. *West. Canner & Packer* 43(5):15-17. May 1, 1951. 286.83 W522

The industry.

62066 COSENTINO, S. The fruit and vegetable problem in its most important aspects. (In Italian.) *Cam. di Com. Indus. e Agr. Bari. B. (n.s.)* 35(4):7-10. Apr. 1951. 287 B232

62067 COUPIN, A. Préambule. *Tunisie Agr.* 52:3-4. Jan. 1951. 24 T832

Apricot industry in Tunisia.

62068 CROSSA-RAYNAUD, P. L'experimentation fruitière au cours de la campagne 1950; de quelques résultats concernant la culture de l'abricotier en Tunisie. *Tunisie Agr.* 52:5-20. Jan. 1951. 24 T832

The industry.

62069 CRUMP, S. Kern County, Calif., ranks fifth in vegetable value. *Mkt. Growers J.* 80(6):10-11. June 1951. 6 M34

62070 CURTIS, R. B. The Australian dried fruits industry. *Fruit World & Mkt. Grower* 52(3):17,19. Mar. 10, 1951. 80 F948

62071 DETTMER, F. Ein jahr starker wirtschaftspolitischer spannungen für den erwerbsobstbau. *Landpost* 5(8):3-4. Feb. 24, 1951. 18 L2329

Germany.

62072 DIAT, L. The provocative apricot. *Gourmet* 11(6):26-27,32-35. June 1951. 389.8 G74

Includes something on the history of its use.

62073 ESHBACH, C. E. Officially in the records at last. *New Eng. Homestead* 124(5):33-35. Mar. 10, 1951. 6 N442

Massachusetts vegetable industry.

62074 ESTES, C. W., EWALD, G. E., and WILCOX, E. C. Wisconsin potato production, storage & marketing. *Wis. Dept. Agr. Spec. B.* 4,66 p. Jan. 1951. 2 W752S

62075 FANELLI, L. The almond is in flower. (In Italian.) *Mondo Agr.* 2(5):5. Feb. 4, 1951. 16 M74

The industry in Italy.

62076 GOODRICH, H. Melon time—a preview of summer. *West. Grower & Shipper* 22(7):27,46-47. June 1951. 280.38 W52

62077 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. MARKETING DIV. Report on the production, marketing and transport of Italian cauliflowers. London, 1950. 34 p. 280.391 G79

62078 GUZZINI, D. Citrus activities and essential oils in Reggio Calabria. (In Italian.) *Mondo Agr.* 2(13):4. Apr. 1, 1951. 16 M74

62079 GUZZINI, D. Fruit of all seasons for Christmas and New Year's. (In Italian.) *Mondo Agr.* 1(26):4. Dec. 24, 1950. 16 M74

62080 GUZZINI, D. Grapes at Dolceacqua. (In Italian.) *Mondo Agr.* 2(2):4. Jan. 14, 1951. 16 M74

62081 HASSELBACH, W. VON. Sind wirklich 2 million t kartoffeln zuviel? *Kartoffelwirtschaft* 4:97-98. Mar. 9, 1951. 286.83 K14

Germany.

62082 HOBSON, K. Prospects good for potato and pea growers; beef cattle on increase. *Nowest. Farm News* 34(14):5. Apr. 5, 1951. 275.293 N81

62083 HOTZ, E. Mehr süßmost in den anstalten und heimen! *Schweiz. Z. f. Obst- u. Weinbau* 60:192-194. May 19, 1951. 80 Sch9

62084 JEATER, J. G. A flourishing N.S.W. industry: where does the banana grow? *Commerce [Sydney]* 40:81-82. Mar. 1951. 287 Sy2J

62085 KEARNEY, C. F. Frozen food requirements for 1951. (Sum.) *Ice & Refrig.* 120(6):56,58. June 1951. 295.8 Ic2

62086 KERR, J. Know your ingredients: nuts. *Brit. Baker* 122:694-695,721. (Cont.) May 11-18, 1951. 389.8 B772

62087 KOCH, Der gemüsebau in Weser-Ems in gegenwart und zukunft. *Landwirtbl. Weser-Ems* 98:384-385. May 3, 1951. 18 L2345

62088 KRIECHBAUMER, R. Obstausstellung der siedlergruppe Keferfeld. *Siedler* 6:3-4. Jan./Feb. 1951. 19 Si1

62089 MASSMANN, P. "Kartoffel-lenkung" und ihre folgen. *Kartoffelwirtschaft* 4:93-95,104-105. (Cont.) Mar. 9-16, 1951. 286.83 K14

Germany.

62090 MILLER, H. W., JR. Changing apple production and marketing methods in West Virginia. *Mich. State Hort. Soc. Annu. Rpt.* 80:49-52. 1950, pub. 1951. 81 M58

62091 MOLDAVAN, A. Chicory milk has \$ale\$ possibilities. *Canad. Food Indus.* 22(6):21. June 1951. 286.83 C166

62092 MULDER, G. The apple, the fruit that brings color to life. (In Dutch.) *Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit* 1950:42-46. Dec. 1950. 286.28 V22

62093 NORBURY, C. P. Future trends in apple and pear production. *Gt. Brit. Min. Agr. Agriculture* 58:14-18. Apr. 1951. 10 G79J

- 62094 PLASSCHE, A. W. VAN DE. Last year and the future. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:3-7. Jan. 1951. 86 N384
Horticulture in the Netherlands.
- 62095 RICE, W. S. Drop in apricot production; larger prune, freestone peach crops likely. *Sunsweet Standard* 35:8-9, 14. June 1951. 286.83 Su7
- 62096 ROBIN, F. L'évolution de la production fruitière française. *Agr. Prat.* 115:242-244. May 1951. 14 J82
- 62097 SIROTTI, G. Viticulture of Ravenna. (In Italian.) *Romagna Agr. e Zootec.* 36(5):1-2. Apr. 1951. 16 R66
The industry.
- 62098 SPOON, W. Les jus d'agrumes au Surinam. *Fruits & Dérivés* 12:37-40. First Q. 1951. 389.68 J98
English summary.
The industry.
- 62099 STÖY, O. Thoughts at the turn of the year. (In Swedish.) *Sveriges Pomol. För Fruktdlaren* 1951:14-16. 86 Sv2F
The fruit industry in Sweden.
- 62100 WERNECK, H. Bausteine zur geschichte des obstbaues in Oberösterreich. 2. Obst u. Gart. 6:10-11. Jan. 1951. 80 Ob75
- 62101 WESTERMANN, W. Berlin ruft zum frühjahrstreffen 1951. *Kartoffelwirtschaft* 4:49-50. Feb. 16, 1951. 286.83 K14
- 62102 WESTERMANN, W. Zur lage des kartoffelhandels. *Kartoffelwirtschaft* 4:95-97. Mar. 9, 1951. 286.83 K14
Germany.
- Analysis and Composition**
- 62103 BECKMANN, C. O., and ROGER, M. The question of the branching enzyme in potatoes. *J. Biol. Chem.* 190:467-480. Ref. June 1951. 381 J824
- 62104 CASARES, R., and LOPEZ HERRERA, C. Estudio bromatológico de los higos secos españoles. *An. de Bromatologia* 2:281-318. Ref. 1950. 389.8 An1
English summary.
- 62105 CASTILLO ROYO, J. DEL. El garbanzo y su composición química. *Cult. Mod.* 34:86. Mar. 1951. 15 C89
- 62106 CAUSEY, K., and FENTON, F. Effect of reheating on palatability, nutritive value, and bacterial count of frozen cooked foods. I. Vegetables. *Amer. Dietet. Assoc. J.* 27:390-395. Ref. May 1951. 389.8 Am34
- 62107 CHANDLER, B. V., and KEFFORD, J. F. The chemistry of bitterness in orange juice. *Austral. J. Sci.* 13:112-113. Feb. 1951. 475 Au72
- 62108 CHRISTENSEN, E. V. Some comments on pectin and pectin splitting enzymes. (In Danish.) *Dansk Tidsskr. for Farm.* 25:109-144. Ref. Apr. 1951. 396.8 D23
English summary.
- 62109 CRAFT, C. C., and HEINZE, P. H. Association of specific gravity with weight of individual tubers in late crop potatoes. *Amer. Potato J.* 28:580-582. Apr. 1951. 75.8 P842
- 62110 DIMICK, K. P., PONTING, J. D., and MAKOWER, B. Heat inactivation of polyphenolase in fruit purees. *Food Technol.* 5:237-241. Ref. June 1951. 389.8 F7398
- 62111 DUPAIGNE, P., and BOGDANSKI, K. Le mécanisme du brunissement des pommes et produits dérivés. 1-2. *Fruits & Dérivés* 11:45-48; 12:33-36. Ref. Fourth Q. 1950-First Q. 1951. 389.68 J98
English summary.
- 62112 EMERSON, O. H. Bitter principles of citrus. II. Relation of nomilin and obacunone. *Amer. Chem. Soc. J.* 73:2621-2623. June 1951. 381 Am33J
- 62113 FABIAN, F. W., and others. Black raspberry mold studies prove molds withstand fungicides, do not aid decomposition. 3. *Canner* 112(20):16, 18-20. May 19, 1951. 286.83 C16
E. S. Beneke, F. J. Erickson, and R. Floate, joint authors.
- 62114 GEISE, C. E., HOMEYER, P. G., and TISCHER, R. G. A comparison of three methods for determination of moisture in sweet corn. *Food Technol.* 5:250-253. June 1951. 389.8 F7398
- 62115 HENRY, R. E., STRODTZ, N. H., and MURDOCK, D. I. An exploratory study of respiration rates of microorganisms in orange juice as a possible index of population. *Food Technol.* 5:233-237. June 1951. 389.8 F7398
- 62116 JONES, J. K. N. The chemical composition and properties of pectins. *Chem. & Indust.* 1951:430-431. June 9, 1951. 382 M31C
- 62117 KNIGHT, C. We believe in specific gravity. *Potato Chipper* 10(11):36. June 1951. 75.8 P844
- 62118 KOROTKEVICH, A. V., GAIWORONSKAIA, Z. I., and KRAVCHENKO, A. P. Tannide reserves of the grape and conditions for their conversion into wine. (In Russian.) *Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Vinodel. Sborn.* 3:26-42. 1950. 390.1 Ak1
- 62119 KRAMER, A. Faster quality check for snap beans; fiber check can be speeded and simplified by using Waring blender, and results compare favorably to FDA method. *Food Packer* 32(6):32-33. June 1951. 286.83 C165
- 62120 KRAMER, A., and others. New shear-press predicts quality of canned limas. *Food Engin.* 23(4):112-113, 187. Apr. 1951. 389.8 F737
K. Aamlid, R. B. Guyer, and H. Rogers, joint authors.
- 62121 MATTSON, S., and others. Factors determining the composition and cookability of peas. *Acta Agr. Scand.* 1:40-61. 1950. 11 Ac82
E. Åkerberg, E. Eriksson, E. Koutler-Andersson, and K. Vahtras, joint authors.
- 62122 ULMANN, M. Chromatographische versuche zum abbau der kartoffelstärke durch malzamyase. *Biochem. Z.* 321:377-387. Mar. 21, 1951. 384 B522
- 62123 WARD, A. C., and BOGGS, M. M. Comparison of scoring results for two and four samples of corn per taste session. *Food Technol.* 5:219-220. June 1951. 389.8 F7398
Frozen corn.
- 62124 WHITEMAN, T. M., and WRIGHT, R. C. Specific gravity of conditioned and non-conditioned potatoes as related to color and yield of chips. *Potato Chipper* 10(11):48, 50. June 1951. 75.8 P844
- Consumption and Utilization**
- 62125 BUSH, R. What shall we do with our culls? *Grower [London]* 35:1106-1107. June 2, 1951. 286.83 M34
Apples.
- 62126 KLUGE, T. O. 50 million inspectors pass on dried fruit products. *Sunsweet Standard* 34(11):4. Apr. 1951. 286.83 Su7
- 62127 MONEY, R. W. The industrial uses of pectin. *Chem. & Indust.* 1951:412-414. Ref. June 2, 1951. 382 M31C
- 62128 TIEDJENS, V. A. Sell only quality truck crops; feed the rest. *Prog. Farmer, Carolinas-Va.* Ed. 66(5):16, 108. May 1951. 6 P945
- Distribution, Marketing, and Transportation**
- 62129 ALMEIRA, O. DE. Glowing cooperatives of Rio de Janeiro citriculture. (In Portuguese.) *Divulg. Coop.* 16:5-6, 12, 14-16. Feb. 1951. 280.28 R47
- 62130 BAKKEN, H. H., and ROWAN, W. S. Marketing potatoes in Wisconsin. *Wis. Agr. Expt. Sta. Res. B.* 173, 22 p. Apr. 1951. 100 W75
- 62131 BECKMAN, H. Publicity for Comice and Nells via newspapers. *Pear Growers League. Annu.* 1951:31. 286.3939 P31
- 62132 BECKMAN, H. Status of canning fall and winter pear marketing order. *Pear Growers League. Annu.* 1951:39. 286.3939 P31
- 62133 BENVENIGNI, L. De l'influence du prélèvement de raisin de table sur la qualité du moût. *Rev. Romande d'Agr. de Viticult. et d'Arboricult.* 7:7-8. Jan. 1951. 17 J82A
- 62134 BOARDMAN, R. E. Advertising fruit and vegetables. *Fruit World & Mkt. Grower* 52(3):38-41. Mar. 10, 1951. 80 F948
- 62135 BODO, F. Obstauförderung - kommerziell gesehen. *Obst u. Gart.* 5:182-184. Dec. 1950. 80 Ob75
- 62136 BORN, P. Zur lage am pflanzkartoffelmarkt in Rheinland-Pfalz. *Kartoffelwirtschaft* 4:27-28. Jan. 26, 1951. 286.83 K14
- 62137 BRITISH COLUMBIA FRUIT GROWERS' ASSOCIATION. CONTRACT COMMITTEE. Three-party contract as submitted to British Columbia's tree fruit industry. *Country Life [Vernon]* 35(3):26-30. Mar. 1951. 7 C832
- 62138 BUNTIN, J. New truck volume reports fill out produce supply picture. *Mktg. Activ.* 14(2):13-14. Feb. 1951. 1.942 A8M34
- 62139 CALIFORNIA. DEPT. OF AGRICULTURE. BUR. OF MARKETS. Marketing order for lemon products, effective March 10, 1951. *Sacramento, 1951.* 22 p. 280.3939 C123ML
- 62140 CALIFORNIA. DEPT. OF AGRICULTURE. BUR. OF MARKETS. Marketing order for standard lima beans, effective March 10, 1951. *Sacramento, 1951.* 17 p. 280.3919 C122Ma
- 62141 CECCARELLI, G. Looking toward the new associations for viticulture. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:36-37. Feb. 15, 1951. 16 C72
Marketing.

- 62142 COLE, F. E. A closer than usual look at the record; a study of twenty-five years of apple receipts and McIntosh prices on Faneuil Hall market, Boston, Mass. U. Agr. Ext. Spec. C. 181, 14 p. Apr. 1951. 275.29 M381Sc
- 62143 COPPLE, H. Record ad drive pushes record apple crop. West. Fruit Grower 5(3):16. Mar. 1951. 95.8 G762
- 62144 DE LONG, E. More orderly marketing of future cherry crops. Mich. State Hort. Soc. Annu. Rpt. 80: 78-79. 1950, pub. 1951. 81 M58
- 62145 DERIABIN, D. Transportation of acorns by railroad cars. (In Russian.) Lesn. Khoz. 3(10):73-77. Oct. 1950. 99.8 L5622
- 62146 FIELDING, A. M. Western railroads studying watermelon losses. Packer 57(27):11. June 9, 1951. 286.8 N483
- 62147 FLETCHER, T. E. Suggestions for expanding the marketing of pecans by auction and getting the cooperation of buyers. Soeast. Pecan Growers Assoc. Proc. 44: 95-96, 98. 1951. 94.69 G29
- 62148 GAMBLE, W. More orderly marketing of future cherry crops. Mich. State Hort. Soc. Annu. Rpt. 80: 78. 1950, pub. 1951. 81 M58
- 62149 GELLER, G. A description of fresh Bartlett pear marketing programs. Pear Growers League. Annu. 1951:43, 45, 47. 286.3939 P31
- 62150 HUGHES, T. J. Florida Citrus Mutual is here to stay. Fla. Grower 59(1243):6, 14-15. June 1951. 80 F6622
- 62151 JACKSON, E. A. Let's progress with the times. Pear Growers League. Annu. 1951:5. 286.3939 P31
- Work of the Pear Growers League.
- 62152 JONES, W. O. A case study in risk distribution: the California lettuce industry. J. Farm Econ. 33: 235-241. May 1951. 280.8 J822
- 62153 KROSS, J. L. A marketing program for strawberry producers. J. Farm Econ. 33:242-248. May 1951. 280.8 J822
- 62154 LEIGH, W. E. The Federal marketing agreement for pecans in its second year. Soeast. Pecan Growers Assoc. Proc. 44:98-101. 1951. 94.69 G29
- 62155 LEWIS, C. B. Marketing fruit for profit. Del. State Bd. Agr. B. 40(5):98-100. 1951. 2 D37B
- 62156 LUTHI, H. Zahlen aus der verwertung der kernobsternte 1950 durch unsere gewerblichen mostereibetriebe. Schweiz. Z. f. Obst- u. Weinbau 60:212-213. June 2, 1951. 80 Sch9
- 62157 MOGGE, N. W. California growers start promotion on Comice and Nellis. Pear Growers League. Annu. 1951:23, 25. 286.3939 P31
- 62158 MOYSE, R. E. Opportunity for Comice and Nellis in San Francisco. Pear Growers League. Annu. 1951:51. 286.3939 P31
- 62159 NATIONAL LEAGUE OF WHOLESALE FRESH FRUIT AND VEGETABLE DISTRIBUTORS. Annual report of the secretary to the 59th annual convention, Baltimore, Md., February 12-13-14-15, 1951. Washington, 1951. 32 p. 287 N214A
- 62160 PENTZER, W. T. Refrigeration of fruits and vegetables from field to prepackager. Pre-Pack-Age 4(9):13-16. May 1951. 280.38 P91
- 62161 PUNJAB CO-OPERATIVE FRUIT DEVELOPMENT BOARD. Annual report, 1949. Punjab Fruit J. 14 (48):5-11. (To be cont.) Apr./July 1950. 80 P962
- Presented by M. N. Ahmad.
- 62162 PUNJAB CO-OPERATIVE FRUIT DEVELOPMENT BOARD. Proceedings of the 15th annual general meeting, 5th May 1950. Punjab Fruit J. 14(48):13-16. Apr./July 1950. 80 P962
- 62163 RENK, O. Beurteilung und auslegung von kauf- oder lieferungsverträgen über kartoffeln aus der zeit vom 1. juli bis 15. november 1950. Kartoffelwirtschaft 4:25-27. Jan. 26, 1951. 286.83 K14
- Germany.
- 62164 RHODES, N. Those first steps are important in marketing watermelons. For Sale, Want & Exch. B. 4(2):1, 4. May 15, 1951. 280.38 F74
- 62165 ROGERS, A. J. More orderly marketing of future cherry crops. Mich. State Hort. Soc. Annu. Rpt. 80:80-82. 1950, pub. 1951. 81 M58
- 62166 ROTH, H. Ist eine erhöhung des speisekartoffelverbrauchs möglich? Kartoffelwirtschaft 4:98-99. Mar. 9, 1951. 286.83 K14
- Germany.
- 62167 RYALL, A. L., and ALLEN, F. W. Transit ripening of early season Bartlett pears. Blue Anchor 28(2):10-15. May 1951. 286.83 B62
- 62168 SAMUELS, J. K. California cooperatives consolidate to cut costs. Citrus Mag. 13(10):21, 31. June 1951. 80 C498
- Also in News Farmer Coop. 18(2):5, 19-20. May 1951. 166.2 N47
- 62169 SHAY, F. M. Association growth, gain in public esteem in recent years pointed out. Sunsweet Standard 35:6, 13. June 1951. 286.83 Su7
- California Prune and Apricot Growers Association.
- 62170 SINGLETON, G. There's a market for frozen leafy vegetables. Quick Frozen Foods 13(10):62. May 1951. 389.8 Q4
- 62171 STAPLETON, E. J. NJVGA develops new patterns in production, marketing. Mkt. Growers J. 80 (5):18-19. May 1951. 6 M34
- National Junior Vegetable Growers Association.
- 62172 SWART, H. J. DE. The potato dealer and his product. I-II. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 5(11):12-13; (12):19, 21. Mar. 16-23, 1951. 286.28 V22
- Diseases.
- 62173 WESTBERG, F. Four-way job for Bartlett pear promotion. West. Fruit Grower 5(3):33. Mar. 1951. 95.8 G762
- 62174 WESTERN REGIONAL POTATO MARKETING PROJECT. Significance of quality loss in marketing early Idaho-Oregon potatoes. Oreg. Agr. Expt. Sta. B. 495, 31 p. Jan. 1951. 100 Or3
- 62175 WILLIAMSON, H. D. Buying fruits and vegetables for the American stores. Del. State Bd. Agr. B. 40(5):34-41. 1951. 2 D37B
- Grading, Inspection, Standardization, and Quality
- 62176 BARBIERI, R. Improve the quality of the industrial tomato. (In Italian.) Mezzogiorno Agr. 7(8):1-2. Feb. 25/Mar. 3, 1951. 16 M57
- 62177 BERRY, L. T. Shipping point inspection in Virginia. East. Fruit Grower 14(3):6, 18. May 1951. 80 Ea73
- Apples.
- 62178 CATHCART, W. H. What pie bakers need; improve processed fruit by checking apple seed cell parts, cherry pits, off-color fruits, excess sugar. Food Packer 32(6):38-39, 71. June 1951. 286.83 C165
- 62179 CLARK, L. Fruit and the farmer. I. A call for quality. Farmers Wk. [London] 34(21):59. May 25, 1951. 10 F2226
- Production of better fruit under the British Apple and Pear Marketing Scheme.
- 62180 CLARKE, B. W. Selecting tomatoes for products manufacture. Canning Trade 73(39):9-10, 21. Apr. 16, 1951. 286.83 T67
- 62181 DICKEY, J. B. R. Cooking quality in potatoes. Pa. Farmer 144:352, 370, 383. Apr. 28, 1951. 6 P383
- 62182 MERORY, J. Fruity character, discreet note of pit real factors in cherry flavor. Amer. Bottler 92 (606):124. June 1951. 389.8 So8
- 62183 NORMAND. Normalisation et contrôle de la qualité des fruits et légumes en régime international. Colon Franç. de Tunisie (ser. 7) 44(2197):1, 3. May 12, 1951. 24 C712
- 62184 PERRY, F. J. Administration of the processed fruit and vegetable regulations. Food Canada 11(1):20, 22, 24. Jan. 1951. 389.8 F7323
- 62185 PERRY, F. J. Quality improvement in '50 tomato pack. Food Canada 11(4):42, 44-45. Apr. 1951. 389.8 F7323
- 62186 RUDOLFS, W., FALK, L. L., and RAGOTZKIE, R. A. Contamination of vegetables grown in polluted soil. II-IV. Sewage & Indus. Wastes 23:478-485, 656-660, 739-751. Apr.-June 1951. 293.8 Se8
- II, Field and laboratory studies on Endamoeba cysts; III, Field studies on Ascaris eggs; IV, Bacterial contamination.
- 62187 SLAMP, K. R. Enforcing Pennsylvania's potato law. Guide Post 28(6):10-11. June 1951. 75.8 G94
- 62188 TOSCO, U. Some data on damage to citrus arriving at Turin, in connection with typical commercial varieties and a study of the reasons for their greater resistance and immunity. (In Italian.) Riv. di Frutticoltura. 13:73-103. Ref. Apr. 1951. 80 R52
- English summary.
- 62189 U. S. PRODUCTION AND MARKETING ADMIN. Inspection of strawberries. Washington, 1951. 11 p. 1.956 F94In743
- 62190 VOGT. Die ergebnisse der pflanzkartoffel- anerkennung 1950. Hannoversche Land- u. Forstwirts. Ztg. 103:1016-1017. Nov. 11, 1950. 18 H194
- 62191 WAHHAB, A. Browning of foods-II. Fruit juices and concentrates. Punjab Fruit J. 14(48):28-34. Ref. Apr./July 1950. 80 P962

62192 WITEBSKY, R. G., and BURR, H. K. Modified flotation method speeds frozen pea maturity grading. *Food Packer* 32(6):36-37. June 1951. 286.83 C165

Packing and Packaging

62193 CARLSEN, E. W. Pre-bagged apples; the Washington State Apple Commission sums up a two-year study of costs and efficiencies in pre-packaging. *Mod. Packaging* 24(9):110-113,188. May 1951. 309.8 M72

62194 COMPIN, M. La S. N. C. F. et le probleme des emballages. *Fruits & Dérivés* 11:31-32. Fourth Q. 1950. 389.68 J98

English summary.

French National Railways Company and problems of packing fruit and vegetables.

62195 FIRST prepackaging conference and exposition declared outstanding success. *Pre-Pack-Age* 4(8):9-14, 16-22,24-32. Apr.1951. 280.38 P91

Full-length report of the conference of the Produce Pre-packaging Association.

62196 FUERST, B. D. Why Dromedary's package was redesigned this way. *Food Packer* 32(6):57. June 1951. 286.83 C165

Fruit products packaging.

62197 GILDEHAUS, E. J. Wrap up your product; pre-packaging increases farmers' share of consumers' food dollars. *Elect. Farm* 24(6):7-8,33-34. June/July 1951. 335.8 EL27

Vegetables.

62198 HAUCK, C. Packaging pays! *Mkt. Growers J.* 80(5):10,13,35. May 1951. 6 M34

62199 HAUSNER, F. Verpackung des obstes. *Obst u. Gart.* 5:165-166. Nov.1950. 80 Ob75

Austria.

62200 HAWKINS, A. D. His packaged produce keeps housewives happy. *Mkt. Growers J.* 80(5):20-21. May 1951. 6 M34

Prepackaging vegetables.

62201 HOCKMAN, R. The chain store looks at pre-packaging. *Pre-Pack-Age* 4(9):21-24. May 1951. 280.38 P91

Fruit and vegetables.

62202 LUTZ, J. M., FINDLEN, H., and RAMSEY, G. B. Quality of Red River Valley potatoes in various types of consumer packages. *Amer. Potato J.* 28:589-602. May 1951. 75.8 P842

62203 MCKENZIE, R. I. Are pre-packaged vegetables here to stay? *Family Herald & Wk. Star* 82(19):14. May 10,1951. 7 F21

62204 MATTO, J. DEL. Notes sur le "papier crown au diphenyl." *Fruits* 6:62. Feb.1951. 80 F9492

For citrus wrapping.

62205 RASMUSSEN, M. P. Some observations on the packaging of apples in consumer units at country points. *N. Y. Agr. Col. A. E.* 777,15 p. May 1951. 281.9 C81

62206 REBOUR, H. L'expédition des agrumes en containers. *Fruits et Primeurs de l'Afrique du Nord* 21:172-173. May 1951. 80 F9482

62207 WARD, C. J. Packaging trade in overseas markets. *Austral. Dried Fruits News* 26:19-21. Jan./Feb.1951. 286.83 Au72

Prices, Price Control, and Rationing

62208 ADAIR, W. Potato prices and orderly marketing. *Farming News & No. Brit. Agr.* 103(15):3. Apr.13, 1951. 10 N82

62209 BOUWMAN, J. The maximum price for ware potatoes. (In Dutch.) *Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit* 5(3):1-2. Jan.19,1951. 286.28 V22

Netherlands.

62210 BRABHAM, C. T. Is the housewife exploited by fruit and vegetable prices? *Queensland Prod.* 32(24):17-18;(25):18-20;(26):17-18. Dec.13-27,1950. 23 Q35

62211 BRANDOW, G. E., and KURYLOSKI, D. S. Variation of wholesale prices of Pennsylvania vegetables at Philadelphia. *Pa. Agr. Expt. Sta. J. Ser. Paper* 1609, 12 p. Aug.1950. 100 P381J

62212 HOOS, S. Canned fruit price factors are numerous. *Pear Growers League. Annu.* 1951:9-11,13. 286.3939 P31

62213 HOOS, S. Statistical analysis of the annual average F.O.B. prices of California canned asparagus, 1925-26 to 1950-51. *Giannini Found. Agr. Econ. Mimeog. Rpt.* 112,8 p. Apr.1951. 281.9 G34M

62214 WILCOX, F. R. Citrus prices. *Fruit & Veg. Rev.* 13(3):13. June 1951. 80 C1224

Processing and Storage

62215 AHMAD, M. N. Technology of grapefruit in the United States of America. *Punjab Fruit J.* 14(48):17-21. Apr./July 1950. 80 P962

Processing, including processing of waste for feed.

62216 BAUMHART, C. "Sleeping apples" point way to better demand and prices; growers in New York State use new process to preserve apple crop till spring; method is best with McIntosh. *Goodyear Farm Prog.* 7(1):1.4. 1951. 6 G63

62217 BECKMAN, H. V. What led to the canning Bartlett pear pro-rate program. *Pear Growers League. Annu.* 1951:33,35. 286.3939 P31

62218 BIRCH, W. Jams. *Chem. & Indus.* 1951:364-366. May 12,1951. 382 M31C

62219 BLAYN, D. Jus de fruits-bolissons et jus de fruits industriels. *Fruits & Dérivés* 11:51-52. Fourth Q. 1950. 389.68 J98

Preparation.

62220 BLUMER, T. E., PARRIN, F. W., and PETERSON, G. T. The effect of sterilization temperatures on color of tomato juice. *South. Canner & Packer* 12(4):12-16,21-22. Apr.10,1951. 389.8 So82

62221 BOEKE, J. E., HERINGA, J. N., and HIELE, T. VAN. Fumigation with carbon dioxide and with methyl-bromide for control of rodents in fruit stores. (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 14:28-50. Ref. Jan.1951. 86 N384

English summary.

62222 CAUL, J. F., and SJOSTROM, L. B. Effects of replacing sucrose in blackberry and raspberry packs. *Quick Frozen Foods* 13(10):59-61,111. May 1951. 389.8 Q4

62223 CHARBONNEAU, W. H. Charbonneau blends glassed apple products; apple varieties used to produce standard color for juice and cider. *West. Canner & Packer* 43(5):33,36. May 1,1951. 286.83 W522

62224 COONEY, J. What are the latest inside facts on the new ice method of produce display? *Fresh Fruit & Veg. Merchandising* 4(10):12-13. Mar.1951. 286.28 F89

Vegetables.

62225 DHINGRA, D. R., and others. Preparation of citric acid from Citrus aurantium or Karana khatta. *Indian J. Pharm.* 12:351-352. Dec.1950. 396.8 In23

G. N. Gupta, V. N. Nigam, and R. Singh, joint authors.

62226 DULLUM, N., and RASMUSSEN, P. M. Apple-storage experiments 1940-48. (In Danish.) *Tidsskr. f. Planteavl* 54:249-317. 1951. 11 T439

English summary.

62227 FALCH, J. Die obstillagerung. *Landwirtschaft* 1951:16-17. Jan.1951. 19 L235

62228 GERHARDT, F., and SAINSBURY, G. F. Purifying air in storage rooms. *Ice & Refrig.* 120(6):17-26. Ref. June 1951. 295.8 Ic2

Fruit storage.

62229 GRAMLICH, B. Arktische kälte in der sommerglut. *Landfrau* 5(12):16-17. Dec.1950. 18 L2337

Fruit and vegetable freezing.

62230 HARDING, P. L., and others. Storage test of Florida oranges 1950. *Citrus Indus.* 32(6):16-18. (Cont.) June 1951. 80 C49

J. S. Wiant, W. A. Radspinner, M. B. Sunday, and J. Kaufman, joint authors.

62231 HAUSNER, F. Die dauerkohlernte und lagerung. *Obst u. Gart.* 5:155-156. Oct.1950. 80 Ob75

62232 HUBBARD, W. W. Proper storage needed to save New Brunswick's apple crop. *Marit. Farmer & Coop. Dairymen* 56(14):3,6,33. Apr.17,1951. 7 C77

62233 JONES, F. W. Cold storage reports confusing—Dept. official promises change. *Frosted Food Field* 12(4):11. May 1951. 389.8 F922

Frozen fruit and vegetables.

62234 JONG, W. H. DE. Storage of potatoes. (In Dutch.) *Landbode* 5(10):15. Mar.10,1951. 12 L234

Netherlands.

62235 KIDD, F., and WEST, C. The refrigerated gas storage of apples. *Refrig. J.* 4(8):20-22,24,26,28,30;(9):20,22-23. (Concl.) Ref. Feb.-Mar.1951. 295.8 R255

62236 KOPETZ, L. M. Die lagerung und vorbehandlung von kartoffelsaatgut. *Kärntner Bauer* 101:107-109. Mar.1,1951. 19 K14

62237 LAMBRECHT, E. G. Capsicums from California. *Coffee & Tea Indus.* 74(6):75-76. June 1951. 389.8 Sp4

Processing.

62238 LOFTHAUG, O. Winter storage of some vegetables. (In Norwegian.) *Kolonihagen* 21:15-17. Feb.1951. 80 K83

Norway.

62239 MALLEA, O. S. La industria de fermentación cítrica en la Argentina. Indus. y quím. 12:264-279,282. Ref. Nov./Dec.1950. 385 In28
English summary.

62240 MEKHANIK, F. A. Prolonged storage of [citrus] fruit in acetylene for museum purposes. (In Russian.) Priroda 39(12):56. Dec.1950. 410 P933

62241 MORENO MORA, J. Aprovechamiento industrial de las naranjas. Cult. Mod. 34:51-52. Feb.1951. 15 C89

Orange juice, pectin, and marmalade manufacture.

62242 NATIONAL ASSOCIATION OF FROZEN FOOD PACKERS. Frozen food pack statistics: 1950. 1-2. Washington,1951. 2 v. 389.9 N2123
1, Fruit; 2, Vegetables.

62243 NATIONAL CANNERS ASSOCIATION. DIV. OF STATISTICS. 1950 California-Arizona citrus pack. Washington,1951. 1 p. 389.9 N2146Cal

62244 NAVELLIER, E. D'anciennes carrières parisiennes au service des fruits de France et d'Outre-Mer. Fruits 6:21-24. Jan.1951. 80 F9492
For storage.

62245 NETO, P. Tomato paste (home manufacturing process). (In Portuguese.) Soc. Rur. Bras. Rev. 30(361): 46-47. Dec.1950. 9.2 B733

62246 NICOLAISEN-SCUPIN, L. Der derzeitige stand der gaskühlagerung von obst und gemüse in forschung und praxis. Früchte u. Gemüse Markt 3:22-23,25. Ref. Mar.30,1951. 286.83 F9425

62247 OLIVEIRA, J. V. DE. Preservation of fruits by electricity. (In Portuguese.) Seleg. Agr. 6(58):45-46. Feb.1951. 9.2 Se4

62248 ORTON, E. C. Developments in sultana drying. Austral. Dried Fruits News 26:28-29. Jan./Feb.1951. 286.83 Au72

62249 ORTON, E. C. The effect of age on cold dip. Austral. Dried Fruits News 26:29. Jan./Feb.1951. 286.83 Au72
Sultanas.

62250 PICHON, A. Jus et boissons de mirabelles. Fruits & Dérivés 12:12-14. First Q.1951. 389.68 J98
Manufacture.

62251 PIKE, M. Freezing fruits and vegetables. Hoard's Dairyman 96:444. May 25,1951. 44.8 H65

62252 RAI, N. What the refrigeration industry means to horticultural production. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(35):8. May 19,1951. 281.8 Ag3

62253 SAINSBURY, G. F. Improved fruit cooling methods. Refrig. Engin. 59:464-469,506,508-509. May 1951. 295.9 Am32J

62254 SANTOS P., C. Energia para la industria cítrica. Hacienda 46(6):31-32. June 1951. 6 H11
The frozen concentrated citrus juice industry in Florida.

62255 SCHMIDT, Genossenschaftliche krautverwertung. Landwirtschaft 1951:13-14. Jan.1951. 19 L235
Cooperative sauerkraut manufacture in Austria.

62256 SKEPPER, A. H., and DAVISON, J. R. Dehydration of fruits other than prunes. Agr. Gaz. N. S. Wales 62:125-128. (Cont.) Mar.1,1951. 23 N472

62257 SMITH, W. L., JR. Effect of initial storage temperature on weight loss, decay, and surface browning of new potatoes. (Abs.) Phytopathology 41:565. June 1951. 464.8 P56

62258 SOUTH AUSTRALIA. DEPT. OF AGRICULTURE. DRIED FRUITS PROCESSING COMMITTEE: Dehydration of apricots, peaches. So. Austral. Dept. Agr. J. 54:349-352. Feb.1951. 23 So84

Based on the work of D. McBean and J. Shipton.

62259 SOUTH AUSTRALIA. DEPT. OF AGRICULTURE. DRIED FRUITS PROCESSING COMMITTEE. Preparation of sugared fruits. So. Austral. Dept. Agr. J. 54:353-356. Feb.1951. 23 So84

Based on the work of D. McBean and J. Shipton.

62260 STRACHAN, C. C. Rapid method for determining calcium in apple-firming baths. Canad. Food Indus. 22(6):25,27. June 1951. 286.83 C166

62261 TORCOL, J. Sous-produits de la fabrication des jus d'agrumes. Fruits & Dérivés 11:53. Fourth Q. 1950. 389.68 J98

62262 TOWNSEND, C. T. Problems in the processing of fruits. South. Canner & Packer 12(5):10-11,19-20. May 10,1951. 389.8 So82

62263 TRECCANI, C. P. Present state of research on cold storage of apples and pears. (In Italian.) Riv. di Frutticoltura. 13:104-134. Ref. Apr.1951. 80 R52
English summary.

62264 TRI-STATE PACKERS' ASSOCIATION. 15th annual Tri-State directory of vegetable-fruit-seafood processors, 1951. Easton, Md.,1951. 148 p. 275 T73

62265 VALLY, G. La banane antillaise et son conditionnement. Marchés Colon. 7:875-876. Mar.31,1951. 286.8 M33

Care and handling for quality.

62266 VEIGA, A. DE A. Dehydration of vegetables. (In Portuguese.) Soc. Rur. Bras. Rev. 31(364):54. Mar. 1951. 9.2 B733

62267 WALKER, W. A., WORTHINGTON, O. J., and WIEGAND, E. H. More storage time for grapes. Ice & Refrig. 120(6):31-33. (Cont.) June 1951. 295.8 Ic2

62268 WILCOX, M. S., and EZELL, B. D. Storage temperature and the development of internal cork in sweet potatoes. Phytopathology 41:477-479. May 1951. 464.8 P56

62269 WINTER, J. D., NYLUND, R. E., and LEGUN, A. F. Refrigeration is key to corn quality; sweet corn held under 40 F from farm to consumer is a high quality product and is best when unhusked, rather than prepackaged. Refrig. Engin. 59:354-357,398,406. Apr.1951. 295.9 Am32J

62270 WOODRUFF, J. G. Canning Southern field peas. South. Canner & Packer 12(5):6-9,21. May 10,1951. 389.8 So82

62271 WRIGHT, C. E. New treatment ups fruit life. Food Engin. 23(6):88-89,157-158. June 1951. 389.8 F737
Gas treatment.

62272 ZWEEDE, A. K. Actuele vraagstukken bij de bewaring en verwerking van tuinbouwproducten [Current questions in the preservation and processing of horticultural products]. Inst. v. Onder. op het Gebied van Verwerking van Fruit en Groenten. Overdruk 28,98 p. Ref. May 22/26,1950. 389.9 W12

Statistics

62273 BAREISS, G. So geht das kartoffellegen leichter! Württemb. Wchnbl. f. Landwirt. 118:344-345. Apr. 28,1951. 18 W96

Acreage and equipment.

62274 CALIFORNIA. AGRICULTURAL EXPERIMENT STATION, BERKELEY. Statistics on California cling-stone peaches, by S. Hoos and I. Dubov. Berkeley,1950. 20 p. 281.393 C12S

62275 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. La structure et les rendements du vignoble de l'Hérault. France. Inst. Natl. de la Statis. et des Etudes Econ. Etudes et Conjoncture. Econ. Franç. 6(2):37-57. Mar./Apr.1951. 280.8 F84

62276 PEARSON, F. A., MYERS, W. I., and WARREN, S. W. Crop yields in New York State. 2. Truck crops for the fresh market. N. Y. Agr. Col. Farm Econ. 180:4686-4698. Apr.1951. 280.8 C812

62277 PETERSEN, W. Ist die kartoffelanbaufläche schon zu gross? Hannoversche Land- u. Forstwirt. Ztg. 103:985. Nov.4,1950. 18 H194

62278 SAMARAKIS, B. A. Der weinbau der welt nach dem kriege. Österr. Weinztg. 6:33. (Cont.) Mar.10,1951. 390.8 Os7

Grape areas in various countries.

62279 WIRTH. Die ernte von wintergemüse in Württemberg-Baden 1950. Statis. Monatsh. Württemberg-Baden 4:401. Dec.1950. 265 St24

Statistics.

GRAIN AND GRAIN PRODUCTS

62280 ADDINGTON, H. A. The London Corn Exchange. Inst. Corn & Agr. Merchants. J. 3:5-8. Spring 1951. 10 In7

62281 ALBERTARIO, P. Outlook on cereals. (In Italian.) Molini d'Italia 2:6-7. Jan.1951. 298.8 M73
English summary.

62282 ALVAREZ MERINO, M. Debe modificarse el actual sistema de cupos forzosos. Agr. Burgales 18(194): 10-12. Feb.1951. 15 Ag86

Grain and feed.

62283 ANDERSON, J. A. Research procedure for studying grain grading problems. (Abs.) Chem. Canada 3: 94. May 1951. 381 C4236

62284 ANDREWS, R. O. Grain storage and handling. 2. The farmer's point of view. In Gt. Brit. Ministry of Agriculture and Fisheries. Fixed equipment of the farm, p.50-55. London,H. M. Stationery Off.,1950. 10 G79F1
Includes discussion.

62285 BAEHR, H. A. Wheat and flour requirements of Latin America. Nowest. Miller 245(15):33-37. Apr.10, 1951. 298.8 N81

62286 BARRACANO, P. The locality for wheat delivery to the mills. (In Italian.) Molini d'Italia 1:82-85. June 1950. 298.8 M73
English summary.

- 62287 BEEVERS, H. An L-glutamic acid decarboxylase from barley. *Biochem. J.* 48:132-137. Feb. 1951. 382 B52
- 62288 BENEDETTI, U. DE. The system of rice pools. (In Italian.) *Gior. di Agr.* 61:89-90. Mar. 25, 1951. 16 H1G Italy.
- 62289 BISERTE, G., and SCRIBAN, R. Les protides du malt. *Soc. de Chim. Biol. B.* 33:114-119. Ref. 1951. 383 Sol
- 62290 BLACKBURN, J. Instrumentation control for flour and feed mill equipment. *Amer. Miller & Processor* 79(6):73-74, 77-78. June 1951. 298.8 Am32
- 62291 BOGGS, M. M., and others. Frozen cooked rice. *Food Technol.* 5:230-232. June 1951. 389.8 F7398
- C. E. Sinnott, O. R. Vasak, and E. B. Kester, joint authors.
- 62292 BONINO, U. For a greater utilization of hard wheat in the production of alimentary paste. (In Italian.) *Molini d'Italia* 1:86-87. June 1950. 298.8 M73 English summary.
- 62293 BOSS, S. Record carryover of local grains; nationally the 1951 crop outlook is more encouraging than was indicated earlier. *Coop. Poultryman* 16(6):6, 13-15. June 1951. 47.8 C782
- 62294 BOSTROM, C. E. Rationing? Yes, but what kind? (Excerpts.) *Grain & Feed J. Consolidated* 106(9):15, 17. May 9, 1951. 298.8 G762
- With reference to the grain industry.
- 62295 BRITISH GUIANA. RICE MARKETING BOARD. Report for the period 1st October, 1948, to 30th September, 1949. Georgetown, 1950. 15 p. 59.9 B773
- 62296 BROWN, R. H. The Ohio picture. *Grain & Feed J. Consolidated* 106(11):17. June 13, 1951. 298.8 G762
- Ohio Grain, Mill and Feed Dealers Association.
- 62297 BUCHWALD, J. Ganzkorn-behandlungsverfahren für rogen. *Müllerei* 4:205-206. Mar. 24, 1951. 298.8 M91
- 62298 BUNDESANSTALT FÜR GETREIDEVERARBEITUNG, DETMOLD. Jahresbericht 1950-51, 44. bericht. *Getreide, Mehl u. Brot.* 5:33-35. Mar. 1951. 298.8 G33
- 62299 BUSS, J. P. Die stellung des Oberrheins in der deutschen getreidewirtschaft. In *Ernährungsdienst. Festschrift zum 2. Deutschen Getreidehandelstag*, p. 30, 32. Hannover, 1951. 286.359 Er6
- 62300 CAMPBELL, P. N., WORK, T. S., and MELLANBY, E. The isolation of a toxic substance from agenzized wheat flour. *Biochem. J.* 48:106-113. Ref. Jan. 1951. 382 B52
- 62301 CASHMORE, W. H. Grain storage and handling. 1. General aspects. In *Gt. Brit. Ministry of Agriculture and Fisheries. Fixed equipment of the farm*, p. 45-50. London, H. M. Stationery Off., 1950. 10 G79F1
- 62302 CHERNEY, V. Proper storage of ingredients. 4. Storage of malt. *Canad. Baker* 64(4):22-23. Apr. 1951. 389.8 C166
- 62303 CLAUZEL, M. La situation mondiale de la riziculture et les progrès de la culture du riz en France. *Prob. Econ.* 169:1-3. Mar. 27, 1951. 280.8 P948
- 62304 CORNELSEN, F. A. Erhöhte krisenempfindlichkeit in Rheinland-Pfalz. In *Ernährungsdienst. Festschrift zum 2. Deutschen Getreidehandelstag*, p. 32, 34. Hannover, 1951. 286.359 Er6
- Grain industry.
- 62305 CUENCA, L. Del trigo al pan. *Tolva* 8:479-481. Dec. 1950. 59.8 T58T
- Quality of Spanish flour.
- 62306 DAVIS, C. F. Aids in reporting flour absorption to a 14% moisture basis. *Amer. Assoc. Cereal Chem. Trans.* 9:31-35. Jan. 1951. 59.9 Am3T
- 62307 DIEMAIR, W., and JANECKE, H. Sobre el reconocimiento de las sustancias amargas en la desecación de la avena. *An. de Bromatologia* 2:341-347. 1950. 389.8 An1
- 62308 DOMINICAN REPUBLIC. SECRETARIA DE ESTADO DE AGRICULTURA, PECUARIA Y COLONIZACION. SECCION DE ECONOMIA Y BIENESTAR RURAL. Boletín estadístico, arroz, año 1950. San Cristóbal, 1950. 50 p. 254.8 D7122
- 62309 DULUTH BOARD OF TRADE. Annual report; list of members and firm and corporation members and individuals who do business in their own names, for the year ending December 31, 1950. Duluth, 1951. 34 p. 287 D88R
- Statistics on grain dealings.
- 62310 DURHAM, R. K. Properties of flours milled from selected wheat varieties. *Amer. Assoc. Cereal Chem. Trans.* 9:39-48. Jan. 1951. 59.9 Am3T
- 62311 ELLING, H. R., and MILNER, M. Influence of wheat variety, malt, and shortening on the characteristics of chemically leavened biscuits. *Cereal Chem.* 28:207-218. May 1951. 59.8 C33
- 62312 ERNÄHRUNGSDIENST. Festschrift zum 2. Deutschen Getreidehandelstag, 1951, Hannover. Hannover, 1951. 34 p. 286.359 Er6
- 62313 ESSERY, R. E. Phytase activity and phosphate partition during malting. *Inst. Brewing. J.* 57:125-130. Mar./Apr. 1951. 390.9 In7
- 62314 FRANCE. DIRECTION DE LA DOCUMENTATION. Le marché mondial du blé. France. Dir. de la Doc. Notes et Études Doc. 1465, 36 p. Apr. 17, 1951. 280.9 F843
- Includes statistics.
- 62315 FRASER, J. R. National flour survey 1946-1950. *J. Sci. Food & Agr.* 2:193-198. Ref. May 1951. 382 Sol2
- Analysis and classes of British flour.
- 62316 FREVERT, A. An eminent success at the start Crippen won instant favor. *Right Off Cob* 6(4):4-6. Apr. 1951. 59.8 R44
- Grain and seed cleaner.
- 62317 GAY, T. Wheat making the grade. *Bakers' Natl. Assoc. Rev.* 68:840-841. June 8, 1951. 389.8 N214
- Grading in Australia.
- 62318 GEISS, H. Kornkammer Niedersachsen. In *Ernährungsdienst. Festschrift zum 2. Deutschen Getreidehandelstag*, p. 24, 26. Hannover, 1951. 286.359 Er6
- 62319 GILE, B. M., and QUINN, O. B. Cooperative rice marketing in Louisiana. *La. Rur. Econ.* 13(2):2-3, 5-7. May 1951. 281.8 L93
- 62320 GLABAU, C. A. Cereal chemists varied program covers milling and baking subjects. *Bakers Wk.* 150(11):38-40, 52, 66. June 11, 1951. 389.8 B172
- Report of meeting of the American Association of Cereal Chemists.
- 62321 GÖPP, K. Äussere merkmale einer guten braugerste. *Hannoversche Land- u. Forstwirt. Ztg.* 103:339. Oct. 21, 1950. 18 H194
- Quality factors.
- 62322 GÖPP, K. Wo lohnt der braugerstenanbau? *Hannoversche Land- u. Forstwirt. Ztg.* 103:1113. Dec. 9, 1950. 18 H194
- Area.
- 62323 GORGEN, R. E. Dust filters as applied to the milling industry. *Milling* 116:367, 372. Apr. 14, 1951. 298.8 M622
- 62324 GRAY, W. D. Milling's golden era. *Nowest. Miller (Milling Prod. Sect.)* 245(15):17a-19a; (19):3a-3a. Apr. 10, May 8, 1951. 298.8 N81
- Equipment.
- 62325 GT. BRIT. MINISTRY OF TRANSPORT. Supplement to memorandum relating to grain cargoes, 1947. London, H. M. Stationery Off., 1950. 22 p. 280.359 G793
- 62326 HAGBERG, S. Some methods for determining the amylase activity of cereals and their mill products. *Amer. Assoc. Cereal Chem. Trans.* 9:53-64. Jan. 1951. 59.9 Am3T
- 62327 HAMANN, K. Ein schritt voran. *Versorgung* 5:1-3. Jan. 1951. 280.8 V61
- Rationing of grain and legumes in the Russian Zone of Germany.
- 62328 HANEKE. Die verbreitung der winterweizen-sorten in der Deutschen Demokratischen Republik; nach den ergebnissen der agrarberichterstattung 1950. *Statis. Praxis* 6:40-42. Mar. 1951. 251.8 St25
- Statistics.
- 62329 HARTARD EBERT, M. Siembras y cosechas de maíz. *Campesino [Santiago]* 83(3):29. Mar. 1951. 9.3 Sol2
- Statistics for Chile.
- 62330 HEIZER, H. K., and others. Studies concerning mixograph standardization. *Amer. Assoc. Cereal Chem. Trans.* 9:16-25. Jan. 1951. 59.9 Am3T
- L. Moser, C. E. Bode, W. T. Yamazaki, and L. T. Kissell, joint authors.
- 62331 HIERONYMUS, T. A. Effects of future trading on grain prices. *Ill. Farm Econ.* 190/191:1150-1155. Mar./Apr. 1951. 275.28 IL5
- 62332 HUNTER, I. R., HOUSTON, D. F., and KESTER, E. B. Development of free fatty acids during storage of brown (husked) rice. *Cereal Chem.* 28:232-239. Ref. May 1951. 59.8 C33
- 62333 HUTCHINSON, J. B., MARTIN, H. F., and MORAN, T. Location and destruction of lipase in oats. *Nature [London]* 167:758-759. May 12, 1951. 472 N21

- 62334 HUTCHISON, A. O. Barley. Inst. Corn & Agr. Merchants. J. 3:29-31. Spring 1951. 10 In7
Barley quality from the point of view of the malster.
- 62335 IVES, N. C. Nuevo sistema para el secamiento de granos en los Trópicos Americanos. Rev. Nac de Agr. 45(550):37-44. Feb. 1951. 9.4 R32
- 62336 KANSAS CITY, MO. BOARD OF TRADE. Annual statistical report for the year 1950. Kansas City, 1951. 45 p. 287 K13
Grain statistics.
- 62337 KENT, N. L., and JONES, C. R. The cellular structure of flour. Milling 116:480,482. May 12, 1951. 298.8 M622
- 62338 KUEHN, H. E. Impressions of European milling. Mod. Miller & Bakers News 78(11):18-20. May 26, 1951. 298.8 M72
- 62339 LENGLEBERT, J. L'utilisation moderne des vieux moulins de Hollande. Rustica 24:322,324. Apr. 8, 1951. 14 R92
- 62340 LOMA, J. L. DE LA. La producción mundial de trigo despues de la última guerra. Tierra [Mexico] 6: 529-531,574-575. Oct. 1950. 8 T445
- 62341 LÜCK, G. Der deutsche getreidehandel—struktur, lage und aufgaben. In Ernährungsdienst. Festschrift zum 2. Deutschen Getreidehandelstag, p.13-14. Hannover, 1951. 286.359 Er6
- 62342 MCCORMICK, C. J. Rice in a changing world. Washington, U. S. D. A., Off. Sec., 1951. 10 p. 1.91 A2M132
Talk before convention of the National Rice Industries, Houston, Apr. 24, 1951.
- 62343 MALETURE, G., and VO-KIM-TY. Granulometrie des sous-produits de l'usinage du riz. French Indochina. Off. Indochin. du Riz. Arch. 29,41 p. 1950. 59.9 In292A
- 62344 MALT RESEARCH INSTITUTE. Industrial evaluation of five varieties of barley grown in 1948. Malt Res. Inst. P. 9,16 p. Dec. 1950. 390.9 M29
Malting barley.
- 62345 MALT RESEARCH INSTITUTE. Industrial evaluation of four varieties of barley grown in 1949. Malt Res. Inst. P. 10,17 p. Jan. 1951. 390.9 M29
Malting barley.
- 62346 MARCUS, P. Les caractéristiques des blés de la récolte 1950 en Moselle. École Colon. d'Agr. de Tunis. Assoc. Amicale des Anciens Elèves. B. Périod. 126:35-37. Jan./Feb. 1951. 24 T833B
- 62347 MARTIN, G. La situation céréalière de l'Eure au début de l'année. Eure Agr. 214:3. Apr. 11, 1951. 14 Eu7
- 62348 MARZI, G. DE. The consumption of rice. (In Italian.) Glor. di Agr. 61:139. May 6, 1951. 16 ItIG Italy.
- 62349 MARZI, G. DE. Wheat stocks and the market regulation. (In Italian.) Molini d'Italia 2:54-55. Feb. 1951. 298.8 M73
English summary.
- 62350 MATZ, S. A., and MILNER, M. Inhibition of respiration and preservation of damp wheat by means of organic chemicals. Cereal Chem. 28:196-207. May 1951. 59.8 C33
- 62351 MAURITIUS. GRANARY DEPT. Annual report for the financial year 1949-50. Port Louis, 1950. 4 p. 284.29 M442
- 62352 MEREDITH, W. O. S., BASS, E. J., and ANDERSON, J. A. Some characteristics of barley, malt and wort gums. Cereal Chem. 28:177-188. Ref. May 1951. 59.8 C33
- 62353 MILLER, H., EDGAR, J., and WHITESIDE, A. G. O. A small scale dough expansion test for the estimation of wheat quality. Cereal Chem. 28:188-195. May 1951. 59.8 C33
- 62354 MILWAUKEE GRAIN EXCHANGE. Ninety-third annual report, fiscal year 1950-1951. Milwaukee, 1951. 63 p. 287 M64R
Contains grain statistics.
- 62355 MITCHELL, W. A., and ZILLMANN, E. The effect of fatty acids on starch and flour viscosity. Amer. Assoc. Cereal Chem. Trans. 9:64-79. Ref. Jan. 1951. 59.9 Am3T
- 62356 MODEST. Die rechtslage beim handel mit brotgetreide und mehl. Landwarenkaufmann 10:1-2. In Ernährungsdienst 6(29). Mar. 10, 1951. 389.8 Er62
Germany.
- 62357 NAMEK, M., and EL-GINDY, M. M. Minerals in Egyptian cereals: a study of the effect of variety and environment on: pH, ash, calcium, magnesium, potassium, and phosphorus in wheat and maize. Amer. Assoc. Cereal Chem. Trans. 9:13-16. Jan. 1951. 59.9 Am3T
- 62358 NORTON, L. J. Time to re-examine our wheat price policy. Farm Policy Forum 4(6):20-22. June 1951. 281.8 F2274
- 62359 PINCHIN, R. J. Proper storage of ingredients. 3. Storage of flour. Canad. Baker. 64(4):20-22. Apr. 1951. 389.8 C166
- 62360 PLATE, R. Getreidehaushalt und kartoffelverwertung 1950/51; überlegungen zur deutschen getreidepolitik. In Ernährungsdienst. Festschrift zum 2. Deutschen Getreidehandelstag, p.16,18,20. Hannover, 1951. 286.359 Er6
- 62361 REPSOLD, K. Brazilian wheat. (In Portuguese.) Assoc. Com. do Amazonas. B. 10(11):14-19. Oct. 1950. 286.9 As7B
Situation and outlook.
- 62362 REPSOLD, K. Wheat—first storehouses, then mills. (In Portuguese.) Lavoura 54:15-16. Sept./Oct. 1950. 9.2 L39
Brazil.
- 62363 ROBERTS, A. Pointers on profitable grinding and mixing operations. Nowest. Miller (Milling Prod. Sect.) 245(19):20a-22a. May 8, 1951. 298.8 N81
- 62364 RODRIGO, S. Curiosos hábitos tiene la quinua, conocida por arrozillo americano. Mundo Agr. 2(19):40-41. Dec. 1950. 9 M92
Analysis and uses.
- 62365 ROHRLICH, M. Die nicotinsäure im getreide. Die Wissenschaftliche Mülerei 3:17-21. Ref. In Mülerei 4(11). Mar. 17, 1951. 298.8 M91
- 62366 ROLOFF, F. Getreide-saatgut-erzeugung. Hannoversche Land- u. Forstwirtschaft. Ztg. 103:913-914. Oct. 14, 1950. 18 H194
- 62367 ROSAMOND, T. B. Screening the nation's food supply against foreign boddes. Biscuit Maker & Plant Baker 2:111-113. Apr. 1951. 389.8 B54
Flour sifting and examination of food by X-ray.
- 62368 ROWE, P. A. Wild rice processing grows in Manitoba. Food Canada 11(3):32. Mar. 1951. 389.8 F7323
- 62369 SAENZ-LASCANO-RUIZ, MME. Contribution a l'étude des riz gluants. French Indochina. Off. Indochin. du Riz. Arch. 26,41 p. 1950. 59.9 In292A
- 62370 SCHIEFERENZ, J. Getreidewirtschaftliche probleme in Nordrhein-Westfalen. In Ernährungsdienst. Festschrift zum 2. Deutschen Getreidehandelstag, p.26,28. Hannover, 1951. 286.359 Er6
- 62371 SCHILL, L. Sitzen die bauern auf ihrem geldsack? Ungeheuerliche vorwürfe gegen die landwirtschaft wegen des brotgetreidemangels; wer ist schuld? Bauern Ztg. 4(11):1-2. Mar. 16, 1951. 18 B324
Bread grain prices in Germany.
- 62372 SCHMORL, K. Kolloide in der mülerei und bäckerei. Mülerei 4:207-208. (Cont.) Mar. 24, 1951. 298.8 M91
- 62373 SCHOFIELD, M. Maize in history. Food Mfr. 26:194-196. May 1, 1951. 389.8 F736
- 62374 SCHWALLING, O. Hamburger getreidemarkt in funktion. In Ernährungsdienst. Festschrift zum 2. Deutschen Getreidehandelstag, p.22,24. Hannover, 1951. 286.359 Er6
- 62375 SCOTT, I. W. Consumers will pay more for top quality corn. Mkt. Growers J. 80(6):28-29. June 1951. 6 M34
- 62376 SEEBORG, E. F., and BARMORE, M. A. Suggestions for improving the uniformity of Bühler experimental milling. Amer. Assoc. Cereal Chem. Trans. 9:25-30. Jan. 1951. 59.9 Am3T
Also in Nowest. Miller (Milling Prod. Sect.) 245(19):8a-10a. May 8, 1951. 298.8 N81
- 62377 SEEMANN, P., and ULRICH, H. Über die kenntlichmachung der backmehle. Mülerei 4:203-204. Mar. 24, 1951. 298.8 M91
- 62378 SHEDD, C. K. Le stockage et la conservation à la ferme du maïs insuffisamment mûr ou très humide. Agriculture [Paris] 15:101-105. Apr. 1951. 14 Ag823
- 62379 SMILEY, K. L., and others. Biosynthesis of riboflavin, L. bulgaricus factor, and other growth factors; laboratory and pilot plant studies of biosynthesis by A. gossypii cultivated on grain stillage media. Indus. & Engin. Chem. 43:1380-1384. Ref. June 1951. 381 J825
M. Sobolov, F. L. Austin, R. A. Rasmussen, M. B. Smith, J. M. Van Lanen, L. Stone, and C. S. Boruff, joint authors. Ashbya gossypii.
- 62380 STRASZHEIM, R. Who produced the 1950 corn crop? Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers 1951:1-2. Feb. 23, 1951. 275.29 In2Em
Acreage and yield by States.
- 62381 THOMAS, G. C. Balanced research programs. Food Processing 12(6):9,80. June 1951. 389.8 F7320
Research at General Mills.
- 62382 TRIPLETT, J. F. Conditions in extreme Southwest Winter Wheat Belt and area producing grain sorghums. Grain Prod. News 3(10):11-12. Apr. 1951. 286.81 G764
Marketing situation.

62383 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Shortage of boxcars for transportation of grain. Hearing, 82d Cong., 1st sess. on methods to alleviate shortage of boxcars for movement of wet grain, February 21, 1951. Washington, 1951. 39 p.

62384 U. S. PRODUCTION AND MARKETING ADMIN. Rice: acreage, yield, and production, United States [1919-1950]. Washington, 1950. 2 p. 1.956 G76R365

62385 U. S. PRODUCTION AND MARKETING ADMIN. U. S. average support prices for grains and other commodities under the administration of the Grain Branch, 1933-50. Washington, 1950. 5 p. 1.956 G76Un35

62386 URION, E., LEJEUNE, G., and FRONSACQ-COLLIN, M. Variations saisonnières dans la composition protéique des graines de céréales stockées. Soc. de Chim. Biol. B. 33:120-132. 1951. 383 So1

62387 VAN CLEVE, R. How does your grain go? Ill. Agr. Assoc. Rec. 29(5):23-25. May 1951. 6 IL62

62388 VOGT. Zweite durchführungsverordnung zum getreidegesetz. Mülerei 4:214. Mar. 24, 1951. 298.8 M91 Germany.

62389 WARD, A. Flour quality—strength and gassing qualities. IV. Milling 116:470,472. May 12, 1951. 298.8 M622

62390 WATSON, SIR J. S., and SWALLOW, F. H. W. The place of education in the corn trade. Milling 116:476,478. May 12, 1951. 298.8 M622

62391 WILLIAMS, J. British viewpoint: flour milling—an art or a science? Nowest. Miller (Milling Prod. Sect.) 245(15):12a-16a. Apr. 10, 1951. 298.8 N81

HONEY AND BEESWAX

62392 BABCOCK, F. A. Revolutionizing the re-use of 60-lb. honey cans. Gleanings Bee Cult. 79:346-347. June 1951. 424.8 G47

62393 BRICE, B. A., and others. Permanent glass color standards for honey. Canning Trade 73(47):7-8. June 11, 1951. 286.83 T67

A. Turner, Jr., J. W. White, Jr., F. L. Southerland, L. S. Fenn, and E. P. Bostwick, joint authors.

62394 BROWN, E., COOMES, T. J., and JARVIS, M. W. Beeswax from Zanzibar. Colon. Plant & Anim. Prod. 1:230-231. 1950. 472 C71

62395 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Honey and beeswax charts: production, foreign trade and price. Berkeley, Calif., 1950. 9 p. 275.2 C12Hon

62396 DYCE, E. J. Equipment for determining moisture content of honey. Gleanings Bee Cult. 79:342-343. June 1951. 424.8 G47

62397 FREDERIC, M. Barman, un hidromiel! ICA; Indus. y Com. de la Aliment. 5(61):11. Dec. 1950. 286.8 Ic1

62398 MAINELLI, M. A suave product: honey. (In Italian.) Colt. e Gior. Vinic. Ital. 97:54-55. Feb. 28, 1951. 16 C72

62399 MEDICI, M. El taller es el complemento del apilario. Mundo Agr. 2(19):61. Dec. 1950. 9 M92

Extraction equipment.

62400 VIEITEZ, E. El polen de las mieles de Galicia. An. de Edafología y Fisiol. Veg. 10:79-99. Jan./Feb. 1951. 506 Sp12

English summary.

LIVESTOCK AND LIVESTOCK PRODUCTS

62401 ANASTASIA, P. Un riesgo: la abundancia de ovinos. Uruguay. Min. de Ganad. y Agr. B. Inform. 370:3-4. May 10, 1951. 9.9 G15B

62402 BARRAZA, F. Las industrias pecuarias en la Provincia de Coquimbo. Campesino [Santiago] 83(3):58-62. Mar. 1951. 9.3 So12

62403 BLANCO BLANCO, A. Mas sobre la ley que prohíbe la matanza de vaquillas. Agrario 15(420):24,32. Jan. 1951. 9.8 Ag85

Chile.

62404 BOTTUM, J. C. The hog situation for 1951. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers 1951:1-2. Apr. 26, 1951. 275.29 In2Em

62405 CALDER, A. Some problems facing the pig industry. London Corn C. 108(19):5;(20):6. (Concl.) Mar. 5-9, 1951. 286.81 L84

Also in Land Agents' Rec. 126:330,337,361-362. (Cont.) Feb. 12-19, Mar. 12, 1951. 10 L222

62406 CHRISTENSEN, R. P., and MIGHELL, R. L. Food production strategy and the protein-feed balance. J. Farm Econ. 33:183-191. May 1951. 280.8 J822

Possibilities of adjustments in livestock production.

62407 CORTINA, J. M. El Dr. José M. Cortina informa sobre economía ganadera. Rev. Ganad. [Habana] 11(6):5-6,58. June 1951. 49 R321

Address to the Cuban Economy Board.

62408 DOANE AGRICULTURAL SERV. Here is a common sense program to increase meat production. Natl. Live Stock Prod. 29(9):4,15. June 1951. 280.38 N21

Livestock policy.

62409 FRENCH, H. W. Unfinished cattle on the increase. Amer. Cattle Prod. 33:12-13,37. June 1951. 49 P94

62410 FRENCH, M. H. East African hides and skins industry. Leather Trade's Rev. 99:333-336,463-466,579-582;100:517-520. Feb. 14, Mar. 7, 21, May 30, 1951. 303.8 L48

62411 FRERS, E. G. La familia ganadera es una sola. Criadores de Holando 1(12):49-50. Sept. 1950. 43.8 C86

Argentina.

62412 FURLONG, J. R. Hides and skins, a growing industry in the British Colonies. World Crops 2:349-353. Aug. 1950. 281.8 W892

62413 GAGE, R. D., JR. A history of a farm community's growth into the cattle business. Miss. Banker 35(11):43-44,46,48. Apr. 1951. 284.8 M69

62414 GERLAUGH, P. Beef production patterns are very elastic. Corn Belt Livestock Feeder 3(8):12-14. May 1951. 280.38 C81

62415 KUTIKOV, S. I. Novyi Shliakh Collective Farm [in Chernigov Region] at a higher level. (In Russian.) Sotsialist. Zhivotnovod. 12(12):75-78. Dec. 1950. 49 So71

Chiefly on fulfillment of Three-Year Plan in livestock production.

62416 MANN, D. H. Few sheepmen have ewes for sale. Utah Farmer 71:367,394. May 3, 1951. 6 D45

62417 MANNING, E. S. The meat picture. Canad. Food Indus. 22(5):21-22. May 1951. 286.83 C166

62418 MEAT AND ALLIED TRADES' FEDERATION OF AUSTRALIA. Meat in Australia. Sydney, 1950. 32 p. 50 M462

62419 MIELCK, O. Das schwein in der ernährungs-wirtschaft. Tierzüchter 3:68-71. Feb. 5, 1951. 49 T445

Swine and pork industry in various countries.

62420 MILLER, E. A short wait for improvement in U. S. raw stock output. (Excerpts.) Shoe & Leather Rptr. 260(6):55-59. Nov. 11, 1950. 303.8 Sh8

62421 MOFFETT, B. W. Sheep raising gaining new farm interest; current income seen higher than for beef cattle herds—breeds of sheep analyzed. Farm & Gard. [Watertown] 1951:1,5. Mar. 31, 1951. 6 F234

62422 PETERSON, A. G. The Government program on hog bristles. (Abs.) Brushware 53(6):27. Apr. 1951. 300.8 B79

62423 QUEENSLAND. MEAT INDUSTRY BOARD. Year book, 1950. Brisbane, 1951. 27 p. 286.3509 Q3

62424 SERTOLI, A. Livestock situation and prospects for the coming year. (In Italian.) Rass. Econ. della Prov. di Sondrio 3(12):31-33. Dec. 1950. 287 So5

62425 SQUIBB, R. L. Incremento de la producción de carne de marrano y de manteca en Guatemala. Asoc. Gen. de Agr. B. 291:1,6. Mar. 31, 1951. 8 As52

62426 STREET, A. G. Planning a shortage? Farmers Wk. [London] 34(19):43. May 11, 1951. 10 F2226

Shift of British price emphasis from milk to beef may cause dairy heifer shortage.

62427 THORNE, G. B. Trends in livestock and meats; high consumer interest in meat represents a ground swell of interest for animal agriculture that has been developing for a number of years. Shorthorn World 36(5):7-8,41-45. May 10, 1951. 43.8 Sh8

62428 TRETSVEN, J. O. Hog production in Montana in the changing 50s. Mont. Farmer-Stockman 38(15):7,51. Apr. 1, 1951. 6 M764

62429 TRUNOV, A. V. Rukovodstvo po zagotovke, ubofu i obrabotke krolikov [Manual on procurement, slaughtering, and processing of rabbits]. Moskva, Pishchepromizdat, 1951. 38 p. 40.2 T77

62430 VALDIVIA MADRIGAL, G. DE. El problema de la carne. Rev. Ganad. [Habana] 11(6):3-5. June 1951. 49 R321

Cuba.

62431 VOORHIES, E. C. Western livestock slaughter; California producers gain by increased western demand caused by population growth and high spendable income. Calif. Agr. [Calif. Sta.] 5(5):2. May 1951. 100 C12Cag

62432 WHITMORE, R. Fur classes and resolutions. Small Stock Mag. 35(5):26-27. May 1951. 48.8 P442

Exhibits.

62433 WILKEN, C. H. The importance of livestock in our standards of living. *Feedstuffs* 23(21):50-55. May 26, 1951. 286.81 F322

Livestock in relation to prices and economic conditions.

62434 WOLFF, R. G. Genesis of the meat picture. *Business Screen Mag.* 12(3):33. May/June 1951. 332.8 B96

Discusses "This is Life," the documentary film on the meat industry.

Analysis and Composition

62435 HYDE, G. R., MITTON, R. G., and MUSGRAVE, A. J. A study of mould growth on pyrogallol-tanned leather and the associated changes of chemical composition and physical properties. *Soc. Leather Trades' Chem. J.* 35:82-103. Ref. Mar. 1951. 303.9 S012

62436 KAPLAN, E., and BUCK, T. C., JR. Detection of horse meat by the biological precipitin test. *J. Milk & Food Technol.* 14:66-67. Mar./Apr. 1951. 44.8 J824

62437 KAZAKOV, A. M. Mikrobiologiya miasa i miasoproduktov [Microbiology of meat and meat products]. Moskva, Pishchepromizdat, 1950. 142 p. 448.2 K182

62438 KELCH, F. Praktisch wichtige fragen in der bakteriologischen fleischuntersuchung. Berlin u. Münch. Tierärztl. Wchnschr. 1951:76-77. Apr. 1951. 41.8 B45

62439 LOLLAR, R. M. The mold resistance of leather. *Shoe & Leather Rptr.* 261(7):15,17-18. Feb. 17, 1951. 303.8 Sh7

62440 MARTÍ GUELL, S., and VILLANUA, L. Análisis y tipificación de productos chacineros. *An. de Bromatología* 2:321-325. 1950. 389.8 An1
English summary.

62441 SCHWEIGERT, B. S., BENNETT, B. A., and GUTHNECK, B. T. Further studies on the amino acid composition of pork and lamb cuts. *J. Biol. Chem.* 190: 697-703. Ref. June 1951. 381 J824

62442 SOKOLOV, A., and MIRKIN, E. On the chemical analysis of [animal] fat quality. (In Russian.) *Miasnaia Indus. SSSR.* 21(6):69-70. Nov./Dec. 1950. 50.8 M58

62443 VICKERS, R. A., III. A method for measuring puncture resistance of leather and other materials. *Amer. Leather Chem. Assoc. J.* 46:363-366. June 1951. 303.9 Am32

62444 VILLANUA, L. Métodos de determinación del agua en productos chacineros. *An. de Bromatología* 2: 361-367. Ref. 1950. 389.8 An1
English summary.

62445 ZAHN, H. Sammelreferat über histologie, feinstruktur, chemie und technologie der keratine. *Leder* 2:8-14. (Cont.) Jan. 15, 1951. 303.8 L492

62446 ZIMMERMAN, E. W., and PANGBORN, E. F. Determination of grease in leather. *Amer. Leather Chem. Assoc. J.* 46:342-350. June 1951. 303.9 Am32

62447 ZINOV'EV, A. Objective indicators of oxidative spoilage of [animal] fats are necessary. (In Russian.) *Miasnaia Indus. SSSR.* 21(6):70-71. Nov./Dec. 1950. 50.8 M58

Consumption and Utilization

62448 ARMOUR AND COMPANY, CHICAGO. CONSUMER SERV. DEPT. Beef study guide. Chicago, 1950. 6 p. 389.9 Ar52

62449 ARMOUR AND COMPANY, CHICAGO. CONSUMER SERV. DEPT. Canned meat study guide. Chicago, 1950. 8 p. 389.9 Ar52

62450 ARMOUR AND COMPANY, CHICAGO. CONSUMER SERV. DEPT. Study guide for ham and bacon. Chicago, 1950. 8 p. 389.9 Ar52

62451 ARMOUR AND COMPANY, CHICAGO. CONSUMER SERV. DEPT. Study guide for sausage and ready-to-serve-meats. Chicago, 1950. 6 p. 389.9 Ar52

62452 CASSO, H. J. Consumption of meats in Baton Rouge. *La. Rur. Econ.* 13(2):1,4-5. May 1951. 281.8 L93

Distribution, Marketing, and Transportation

62453 ADAIR, W. The latest meat-marketing plan [Great Britain]. *Farming News & No. Brit. Agr.* 103(18): 3. May 4, 1951. 10 N82

62454 BOWES, C. G. Merchandising luncheon meats. *Natl. Grocers B.* 38(6):42,78. June 1951. 286.83 N214

62455 CANADA. DEPT. OF AGRICULTURE. MARKETING SERV. MARKETS INFORMATION SECT. Thirty-first annual livestock market review, 1950. Ottawa, 1951. 100 p. 280.39 C16A

62456 FARMERS CHINCHILLA COOPERATIVE OF AMERICA. Articles of incorporation, [by-laws, and marketing contract]. *Natl. Chinchilla Breeder* 7(3):10-14. May 1951. 412.628 N21

62457 FILC, P. Mängel in erfassung und aufkauf und was sie lehren. *Versorgung* 5:53-54. Mar. 1951. 280.8 V61

Livestock products in the Russian Zone of Germany.

62458 GIGSTEAD, G. Marketing problems of Midwest Fur Producers Association. *Natl. Fur News* 23(5):17,23. June 1951. 412.628 R59

62459 LAZAROVICH, G. On organizing an accounting system in the livestock procurement agencies. (In Russian.) *Miasnaia Indus. SSSR.* 21(6):57-59. Nov./Dec. 1950. 50.8 M58

62460 MCAULIFFE, W. S. Care needed in marketing of pigs in hot weather. *Austral. Dairy Rev.* 19(3):30. Mar. 1, 1951. 44.8 Au73

62461 MEYER, E. Marktlage, pferdeerzeugung und bedarfsdeckung. *Hannoversche Land- u. Forstwirtschaft.* 104:51,86-87. (Concl.) Jan. 20-27, 1951. 18 H194

62462 NATIONAL LIVE STOCK AND MEAT BOARD. Telling the story of lamb to the Nation; a Meat Board report. *Natl. Wool Grower* 41(6):14-16. June 1951. 45.8 N21N

62463 PATTERSON, J. H. Raw materials and markets. *Shoe & Leather Rptr.* 260(6):28,30,75-76. Nov. 11, 1950. 303.8 Sh7

62464 PURCELL, J. C. When should I market my grass-fed steers? *Va. Agr. Col. Ext. Va. Farm Econ.* 126:8-12. Feb. 1951. 275.29 V813

62465 RANDELL, C. G. Jobs ahead for South's livestock co-ops. *News Farmer Coop.* 18(2):8-10. May 1951. 166.2 N47

62466 RHODES, G. Summary interstate truck movement, Florida livestock, year 1950. *For Sale, Want & Exch. B.* 3(9):1. Mar. 1, 1951. 280.38 F74
Statistics.

62467 SAMPIER, J. Producer agencies handled 203,397 decks or \$829 million in '50. *Natl. Live Stock Prod.* 29(8):14-15,19. May 1951. 280.38 N21
Cooperative livestock marketing.

62468 THOMPSON, S. H. Good cattle feeders watch seasonal trend as marketing guide. *Natl. Live Stock Prod.* 29(9):6,12. June 1951. 280.38 N21
Beef and cattle prices.

62469 U. S. BUR. OF AGRICULTURAL ECONOMICS. Interstate movement of dairy cattle, 11 Northeastern States, 1950, by J. L. Wilson, and H. M. Walters. Washington, 1951. 9 p. 1.941 M1St2

Grading, Inspection, Standardization, and Quality

62470 BOWES, J. H. and MORSE, G. O. The yellowing of pickled sheepskins. *Soc. Leather Trades' Chem. J.* 35:133-142. Apr. 1951. 303.9 S012

62471 ENGEL, L. Poisoned pork. *Nation* 172:461-463. May 19, 1951. 280.8 N215
Control of trichinosis.

62472 GROEN, G. P. Mutation Mink Breeders Association trade-marks and advertising policies. *Natl. Fur News* 23(5):17,20. June 1951. 412.628 R59

62473 LANDON, H. I. Trade marks—use and misuse. *Natl. Fur News* 23(5):16,20. June 1951. 412.628 R59
Mink furs.

62474 MCMEKAN, C. P., and WALKER, D. E. Judging beef carcasses by measurement. *Past. Rev.* 60: 795-797. Aug. 16, 1950. 23 Au75

62475 MAKEEV, M. In the effort to improve the quality of livestock. (In Russian.) *Miasnaia Indus. SSSR.* 21(6):60-63. Nov./Dec. 1950. 50.8 M58

Stavropol regional livestock procurement agency.

62476 NEWELL, P. F. People want beef; it is impossible to obtain good quality beef from animals of poor conformation which lack finish; cattle to be slaughtered should be in prime health. *Breeder-Stockman* 13:9-10. June 1951. 49 V81

62477 REUL, H. Fleischbeschau, einmal anders gesehen. Berlin u. Münch. Tierärztl. Wchnschr. 1951: 77-78. Apr. 1951. 41.8 B45

62478 RITTER, K. Vortelle bei der ablieferung von sauen. *Freie Bauer* 6(10):3. Mar. 11, 1951. 18 F88
Grades in Germany.

62479 SCHILL, L. Das neue vieh- und fleischgesetz. *Bauern Ztg.* 4(10):2,8. Mar. 9, 1951. 18 B324
Germany.

62480 STANYON, J. H. Trichinosis in Sudbury, Ontario. *Canad. J. Pub. Health* 42:179-184. May 1951. 449.8 P964

Ten cases traced to infected pork.

62481 U. S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE. Fur labeling. Hearings, 82d Cong., 1st sess. on H. R. 2321, a bill to protect consumers and others against misbranding, false advertising, and false invoicing of fur products and furs, Apr. 17, 18, 19 and 20, 1951. Washington, 1951. 182 p.

62482 U. S. PRODUCTION AND MARKETING ADMIN. Official United States standards for grades of slaughter cattle (Title 7, Ch. I, Pt. 53, Sections 53.201-53.206 of the Code of Federal Regulations). U. S. Prod. & Mktg. Admin. Serv. & Regulat. Announc. 112,7 p. Dec.1950. 1 M348

62483 U. S. PRODUCTION AND MARKETING ADMIN. Rules and regulations of the Secretary of Agriculture governing the grading and certification of meats, prepared meats, and meat products; and Administrator's instructions thereunder (Title 7, Ch.I, subch. C, pt. 53 of the Code of Federal Regulations). U. S. Prod. & Mktg. Admin. Serv. & Regulat. Announc. 98,10 p. Jan.1951. 1 M348. Also amendment No. 1, effective Apr. 23, 1951.

62484 WIŚNIEWSKI, J. A case of mass meat poisoning of people caused by *Salmonella*. (In Polish.) Med. Weter. 7:135. Feb.1951. 41.8 M463

Packing and Packaging

62485 TRULLINGER, J. D. Movie stars and middle class rub elbows, buy wax-dipped meat at Tarzana plant. West. Locker 12(2):5-7,13. May 1951. 389.8 P112

62486 WINTER, J. D., and HUSTRULID, A. Flavor factors in frozen-food wraps; a comprehensive study on the effect of various packaging materials on desiccation and flavor of frozen ground beef. Mod. Packaging 24(9): 133-137,184,186. Ref. May 1951. 309.8 M72

Prices, Price Control, and Rationing

62487 BLACKLEY, S. R. Hides are now a valuable product. Farmer & Stock-Breeder 65(3209):39,41. Apr. 24,1951. 10 F228

Great Britain.

62488 CONWAY, H. M. Government control rapidly sabotaging future meat supply. Natl. Live Stock Prod. 29(9):8-9. June 1951. 280.38 N21

Price control.

62489 CONWAY, H. M. Live stock markets being less dominated by price inflation. Natl. Live Stock Prod. 29(8):5,19. May 1951. 280.38 N21

62490 CORN BELT LIVESTOCK FEEDERS ASSOCIATION. Beef price roll-backs will bring shortages. Corn Belt Livestock Feeder 3(8):6-8. May 1951. 280.38 C81

62491 GAY, S. B. Any price controls on leather should be on industry basis. (Excerpts.) Shoe & Leather Rptr. 260(6):67. Nov.11,1950. 303.8 Sh7

62492 GLASHOFF, J. Schweinepreise und bussgeld-bescheide. Hannoversche Land- u. Forstwirt. Ztg. 103: 1054. Nov.25,1950. 18 H194

62493 HEIDENHEIMER, A. J. Behind the meat strike. New Repub. 124(26):18-21. June 25,1951. 280.8 N42

Price control.

62494 HOLBERT, J. C. Will we or will we not continue to have price controls on beef? Aberdeen-Angus J. 32(11):37,101-102. June 1951. 43.8 Ab3

62495 HUSH, H. Rollback made talk at stockyards; "no right to reduce fat cattle prices after feeders are bought," says farmer. Wallaces' Farmer & Iowa Homestead 76(10):8. May 19,1951. 6 W15

62496 RUSSELL, J. S. Late season, beef cattle roll-back pinch farmer. Iowa Farm & Home Register 1951: 12H-14H. May 6,1951. 6 Io94

62497 SANDIFER, T. N. Beef control program depends on Congress. Natl. Live Stock Prod. 29(9):7. June 1951. 280.38 N21

Price control.

62498 SINCLAIR, T. G. Packing company official speaks against controls. Hoosier Farmer 36(5):43. May 1951. 280.82 H76

Meat price controls.

62499 TIFFANY, A. Squeeze is on! Veteran cattle feeders say they are going out of business. Prairie Farmer, Gen. Ed. 123(10):42-43. May 19,1951. 6 P883

62500 TURNER, SIR, H. Deficiency payments for fat stock. Farmer & Stock-Breeder 65(3214):41,43. May 29, 1951. 10 F228

Guaranteed meat price scheme in Britain when quality will again be a decisive factor in meat marketing.

Processing and Storage

62501 AMERICAN MEAT INSTITUTE, CHICAGO. DEPT. OF PUBLIC RELATIONS. The meat packing industry. Chicago,1950. 15 p. 50 Am35

62502 BANERJEE, M. Dressing and dyeing fur skins. Tanner 5(10):23-24. Mar.1951. 303.8 T15

62503 BOREN, F. W., and MACKINTOSH, D. L. Freezing and storing of meat in a home storage unit. II. Quick Frozen Foods 13(10):123-124,132. Ref. May 1951. 389.8 Q4

62504 CARLSON, J. L. Solvent extraction saves \$\$\$ Food Engin. 23(6):102-104. June 1951. 389.8 F737

Processing of cracklings.

62505 CHEN, P. S. Syntans and newer tanning methods. Leather Mfr. 62(6):9-10. (Cont.) June 1951. 303.8 L484

62506 CLARK, R. The importance of research. Butchers Advocate 129(20):8-9. May 16,1951. 286.85 B97

Meat packing industry.

62507 COX, W. Quality control. Shoe & Leather Rptr. 260(7):41-42. Nov.18,1950. 303.8 Sh7

In hides and skins processing.

62508 DAVIES, R. E. Pigs and bacon curing; a practical manual on the various methods of feeding pigs, curing hams and bacon, and utilising the by-products of swine. Ed. 4, rev. London, Tech. Press,1950. 119 p. 46 D28

62509 DAVIS, R. W. Displaying fresh meat with ice. Ice & Refrig. 120(6):50. June 1951. 295.8 Ic2

62510 DAWSON, W. O. Synthetic tanning. Shoe & Leather Rptr. 260(7):44. Nov.18,1950. 303.8 Sh7

62511 DEMPSEY, M., HUMPHREYS, G. H. W., and ROBERTSON, M. E. The movement of natural grease in ox hides during the manufacture of sole leather. Soc. Leather Trades' Chem. J. 35:117-133. Ref. Apr.1951. 303.9 Sol2

62512 FLATNITZER, L. Alte und neue verfahren der fleischverarbeitung. Kärntner Bauer 101:121-122. Mar. 1,1951. 19 K14

62513 FURRER, J. J. Proper handling of rabbit pelts for gains. Small Stock Mag. 35(6):10. June 1951. 48.8 P442

Also in Calif. Rabbits Mag. 14(11):3. June 1951. 40.28 Sa5

62514 GNIDA, N. Hundreds of tons of additional production. (In Russian.) Miasnafa Indus. SSSR. 21(6):29. Nov./Dec.1950. 50.8 M58

Policy of Biiskii Meat Combine.

62515 GOETZ, A. W. Certain phases of beam house objectives and practices. Tanner 5(10):15-17. (To be cont.) Mar.1951. 303.8 T15

62516 GRANSTEDT, O., and VAN DEUSEN, H. M. The world's most versatile tanner. Leather & Shoes 121(23):8-9,40-42. June 9,1951. 303.8 H53

Tanning of pelts at the American Museum of Natural History.

62517 GUSAKOVSKIĬ, Z., and OCHKIN, V. Some problems in canned meat production. (In Russian.) Miasnafa Indus. SSSR. 21(6):13-16. Nov./Dec.1950. 50.8 M58

62518 HAINES, R. B., and BATE-SMITH, E. C. The handling of meat in small refrigerators. Gt. Brit. Dept. Sci. & Indus. Res. Food Invest. L. 4,4 p. 1951. 389.9 G792L

62519 HICKS, T. G. Getting the most from leather dryers. II. Shoe & Leather Rptr. 260(11):22-24. Dec.16, 1950. 303.8 Sh7

62520 HINER, R. L., GADDIS, A. M., and HANKINS, O. G. Effect of methods of protection on palatability of freezer-stored meat. Food Technol. 5:223-229. Ref. June 1951. 389.8 F7398

62521 HOWARD, J. H. The isolation of hydroxyproline and proline from collagen. Amer. Leather Chem. Assoc. J. 46:374-378. Ref. June 1951. 303.9 Am32

62522 INNES, R. F. The effect of the liming and of the tanning process on the incidence of greasy bends. Soc. Leather Trades' Chem. J. 35:104-107. Mar.1951. 303.9 Sol2

62523 KENNEDY, S. J. Military specifications. Shoe & Leather Rptr. 260(7):42-44. Nov.18,1950. 303.8 Sh7

Tanning.

62524 KRITZINGER, C. C. A new approach to beam-house processes. Amer. Leather Chem. Assoc. J. 46: 350-362. Ref. June 1951. 303.9 Am32

62525 KUNTZEL, A. Langsame oder schnelle gerbverfahren bei der herstellung pflanzlich gegerbter unterleder? Leder 2:83-85. (Concl.) Apr.15,1951. 303.8 L492

62526 LEUPOLD, A. Wursttrocknen durch künstliche kühlung. Kälte 4:49. Mar.1951. 295.8 K122

62527 LOLLAR, R. M. Fungicides on leather. Shoe & Leather Rptr. 260(7):40-41. Nov.18,1950. 303.8 Sh7

62528 MALCOM, L. E. Quick bacon cure saves 17 days, reduces investment. Food Engin. 23(5):60-62. May 1951. 389.8 F737

62529 ORTHMANN, A. C. Rawhide—its manufacture and uses; specific tanning processes for specific types of rawhide. Leather & Shoes 121(23):14,43-44. June 9,1951. 303.8 H53

- 62530 PETROVSKIĬ, V. Master M. S. Damaev's method of melting out fats. (In Russian.) *Miasnaia Indus. SSSR*. 21(6):17-20. Nov./Dec.1950. 50.8 M58
Animal fats.
- 62531 RAJA, S. Leather and tanning in other countries. *Tanner* 5(10):18-20. (Cont.) Mar.1951. 303.8 T15
- 62532 REIMERS. Die freibankfleischverarbeitung. *Hannoversche Land- u. Forstwirt. Ztg.* 104:300. Mar.31, 1951. 18 H194
- 62533 SCHUBERT, A. Tanning in 2,000 A. D. *Leather & Shoes* 121(18):8,32. May 5, 1951. 303.8 H53
- 62534 SOMERVILLE, I. C. Chrome & zirconium leather. *Shoe & Leather Rptr.* 261(3):19. Jan.20, 1951. 303.8 Sh7
- 62535 SOROCKIN, I. We are learning the advanced methods of work. (In Russian.) *Miasnaia Indus. SSSR*. 21(6):6-12. Nov./Dec.1950. 50.8 M58
Sausage manufacture mainly.
- 62536 THEIS, E. R. Chrome tannage. *Shoe & Leather Rptr.* 260(7):39-40. Nov.18, 1950. 303.8 Sh7
- 62537 THOMPSON, A. J. An improved bacon smoking technique. *Food Mfr.* 26:187-189. May 1, 1951. 389.8 F736
- 62538 TOENNIES, A. L. Cure your own pork and save money. *Mo. Col. Farmer* 43(4):8-9. Jan.1951. 6 M691
- 62539 ZINNER, J. Cutting and curing pork. *Ala. Farmer* 30(5):5-6. Feb.1951. 276.8 AL1
- Statistics
- 62540 THE AUSTRALIAN meat industry; a statistical survey. *Meat Prod. & Exporter* 5(3):1,3-8. Mar.1951. 286.3509 Au7M
- 62541 BERTL, H. Entwicklung des viehbestandes in Niederösterreich. *Landwirtschaft* 1951:66-67. Feb.1951. 19 L235
Statistics.
- 62542 CANADA. BUR. OF STATISTICS. AGRICULTURE DIV. Live stock and animal products statistics, 1949. Ottawa, 1951. 88 p. 253 C334
- 62543 CHICAGO DAILY DROVERS JOURNAL. *Drovers Journal* year book of figures of the livestock trade. Ed. 50, for the year 1950. Chicago, Corn Belt Pub., 1951. 110 p. 49 C431
- 62544 NIESCHULZ. Viehzählung dezember 1950. *Hannoversche Land- u. Forstwirt. Ztg.* 104:49. Jan.20, 1951. 18 H194
- 62545 SOUTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. South Carolina livestock, dairy, and poultry statistics. S. C. Agr. Expt. Sta. C. 79,41 p. Jan. 1951. 100 So8
- 62546 U. S. BUR. OF AGRICULTURAL ECONOMICS. Animal units of livestock fed annually, 1947-48 to 1950-51. U. S. Bur. Agr. Econ. F. M. 64, rev.(sup), 10 p. Apr. 1951. 1.941 L6F22
- 62547 U. S. BUR. OF AGRICULTURAL ECONOMICS. Cattle on feed, April 1, 1951. Washington, 1951. 2 p. 1.9 Ec742Caf
- 62548 U. S. BUR. OF AGRICULTURAL ECONOMICS. Meat animals—farm production and income, 1949-50. Washington, 1951. 8 p. Apr.26, 1951. 1.9 Ec71Fp
- OILS AND OILSEEDS
- 62549 ALTSCHUL, A. M. Future program of research on cottonseed meal. *Cottonseed Nutr. & Processors Conf. Proc.* 1950:44-50. 1951? 1.9321 S2P943
- 62550 AMERICAN OIL CHEMISTS' SOCIETY. LITERATURE REVIEW COMMITTEE. Annual review of literature on fats, oils, and soaps. I-II. *Amer. Oil Chem. Soc. J.* 28:198-215, 246-267. May-June 1951. 307.8 J82
M. M. Piskur, chairman.
- 62551 ANGELIDIS, A. D. Britain ends African peanut scheme. *Foreign Agr.* 15:106-108. May 1951. 1.9 Ec7For
- 62552 ARTHUR, J. C., JR. Utilization research on peanut meal and protein at the Southern Regional Research Laboratory. *Peanut J. & Nut World* 30(8):21-22, 53. Ref. June 1951. 77.8 P313
- 62553 BARDI, E. Rosemary, humble plant pharmacologically rich. (In Italian.) *Riv. Ital. Essenze-Profumi-Plante Officinali-Olii Veg.-Saponi* 33:120-124, 143. Ref. Mar.15, 1951. 308.8 R52
Extraction and composition of the essential oil.
- 62554 BENGTSOON, N. Baudouin test carried out with addition of paraffin oil. (In Swedish.) *Sweden. Stat. Landbrkem. Kontanst. Meddel.* 12:18-19. 1951. 385 St6
Sesame oil analysis.
- 62555 BERLITZER, H. Fortschritte der seifenfabrikation und ölraffination. *Seifen-Öle-Fette-Wachse* 77:112-114. (Concl.) Mar.14, 1951. 307.8 Se4
- 62556 BLACK, H. C., and MATTIL, K. F. Edible soybean oil products. In Markley, K. S., ed. *Soybeans and soybean products*, v.2, p.787-831. Ref. New York, Interscience, 1951. 60.3 M34
- 62557 BODMAN, J. W., JAMES, E. M., and RINI, S. J. Processing of edible soybean oil. In Markley, K. S., ed. *Soybeans and soybean products*, v.2, p.649-726. Ref. New York, Interscience, 1951. 60.3 M34
- 62558 BOLAM, I. J., and EARLE, F. R. Sieve analysis of ground soybeans and soy flour. *Amer. Oil Chem. Soc. J.* 28:194-195. May 1951. 307.8 J82
- 62559 BRABANT-SMITH, A. M. K. Color in margarine. I-III. *Canad. J. Technol.* 29:290-309. Ref. June 1951. 470 C16F
I, Evaluation of color using the Lovibond tintometer; II, An indirect method for measurement of color in terms of the Lovibond color system; III, Effect of storage conditions.
- 62560 BRADLEY, T. F. Nonedible soybean oil products. In Markley, K. S., ed. *Soybeans and soybean products*, v.2, p.853-890. New York, Interscience, 1951. 60.3 M34
- 62561 BRIMHALL, B., and SPRAGUE, G. F. Unsaturation of corn oil—inheritance and maturity studies. *Cereal Chem.* 28:225-231. May 1951. 59.8 C33
Iodine number.
- 62562 BROCK, F. H. Developments in soy flours for the baking industry. *Canad. Food Indus.* 22(6):31. June 1951. 286.83 C166
- 62563 BUDOWSKI, P. La palma oleaginosa africana (*Elaeis guineensis*). *Agr. Venezol.* 15(148):8-9. Dec.1950. 9.95 Ag8
Processing and utilization.
- 62564 BURNETT, R. S. Soybean protein food products. In Markley, K. S., ed. *Soybeans and soybean products*, v.2, p.949-1002. Ref. New York, Interscience, 1951. 60.3 M34
- 62565 BURNETT, R. S. Soybean protein industrial products. In Markley, K. S., ed. *Soybeans and soybean products*, v.2, p.1003-1053. Ref. New York, Interscience, 1951. 60.3 M34
- 62566 BUURSMAN, S. Sunflowers as an agricultural crop. (In Dutch.) *Nieuwe Veldbode* 17:334. Feb.15, 1951. 12 V542N
History, economic importance, and culture.
- 62567 CASARES-BESCANSA, R. Determinación de la humedad en las grasas (nota de laboratorio). *An. de Bromatologia* 2:319-320. 1950. 389.8 An1
English summary.
- 62568 CASARES-BESCANSA, R. Sobre la determinación de la cantidad de grasa en los "turbios de aceite" (nota de laboratorio). *An. de Bromatologia* 2:375-377. 1950. 389.8 An1
English summary.
- 62569 CATTON, D. S. Raw materials used by the Canadian paint industry. *Paint Mfr.* 21:127-133. Apr. 1951. 306.8 P162
Discusses types of vegetable oils.
- 62570 CHRISTIAN, R. Recent process changes for improvements of the industry. *Oil Mill Gaz.* 55(10):23-25. Apr.1951. 307.8 O153
Oilseed processing equipment.
- 62571 COLE, L. Handling seed previous to crushing. *Oil Mill Gaz.* 55(10):18-19. Apr.1951. 307.8 O153
- 62572 COTTONSEED NUTRITIONISTS AND PROCESSORS CONFERENCE, SOUTHERN REGIONAL RESEARCH LABORATORY, 1950. Proceedings of a Research Conference on Processing as Related to Cottonseed Meal Nutrition at the Southern Regional Research Laboratory, Nov. 13-14, 1950. New Orleans? 1951? 68 p. 1.9321 S2P943
- 62573 DANCO, G. J. Essential oil and "the squeeze?" *Coffee & Tea Indus.* 74(5):61. May 1951. 389.8 Sp4
- 62574 DAVIS, F. O. The importance of good separation in the huller room. *Oil Mill Gaz.* 55(10):20-21. Apr. 1951. 307.8 O153
Cottonseed processing.
- 62575 D'EAUBONNE, G. L'industrie des matières aromatiques, son importance économique et sociale. *Fruits & Dérivés* 12:5-6. First Q.1951. 389.68 J98
Includes essential oils and flavorings in France.
- 62576 DECOSSAS, K. M., DECKBAR, F. A. JR., and HECKER, J. L. Viscosities of cottonseed and peanut oil-hexane miscellans in English units. U. S. Bur. Agr. & Indus. Chem. AIC-304,6 p. 1951? 1.932 A2A82
- 62577 DROPE, V. A. Proper storage of ingredients. I. Fats and oils. *Canad. Baker* 64(4):19-20. Apr.1951. 389.8 C166
- 62578 DUPERTUYS, M. L., and BAUDOUIN, N. Le tourteau de lin en Tunisie. *B. Econ. et Social de la Tunisie* 50:54-55. Mar.1951. 280.8 B874
The industry.

- 62579 ELLIS, N. K. Peppermint chewin' gum and stick candy. *Chemurg. Digest* 10(5):12-15. May 1951. 381 N213Na
The peppermint industry.
- 62580 ETHERIDGE, W. C. Soybeans grew big in Missouri last year. *Soybean Digest* 11(8):12-13. June 1951. 60.38 So9
Statistics.
- 62581 FALKENBERG, A. J. Progress in solvent extraction of vegetable oils. *Oil Mill Gaz.* 55(10):36-37. Apr. 1951. 307.8 Oi53
Also in *Soybean Digest* 11(7):22-23. May 1951. 60.38 So9
- 62582 FIEDLER, H. P. Der nachweis autoxydativer prozesse in fetten und ölen. 2. Seifen-Öle-Fette-Wachse 77:137-138. Mar. 28, 1951. 307.8 Se4
- 62583 FLETCHER, A. L. Know your ingredients: margarines. *Brit. Baker* 122(11):390-392. Mar. 16, 1951. 389.8 B772
- 62584 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. AGRICULTURE DIV. A survey of oils and fats in Guatemala, by K. S. Markley. Washington, 1950. 30 p. Ref. 307 F73S
- 62585 FRANÇOIS, A. Les ressources de l'Allemagne en corps gras. *Oléagineux* 6:227-231. Apr. 1951. 77.8 OL2
- 62586 GAROGLIO, P. G. Tecnología de los aceites vegetales, con especial referencia al aceite de oliva, v. 2. Mendoza, Argentina, Universidad Nacional de Cuyo, 1950. 1377 p. 307 G19
- 62587 GARWOOD, J. The utility of the peanut. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(365):28-29. Apr. 1951. 9.2 B733
- 62588 GASTROCK, E. A. The pigment gland-fractionation process. *Cottonseed Nutr. & Processors Conf. Proc.* 1950:14-17. 1951? 1.9321 S2P943
Cottonseed processing.
- 62589 GRACE, N. H., and ZUCKERMAN, A. Canadian erucic acid oils. VII. Preparation of sulphated and hydroxy acids from rapeseed oil acids. *Canad. J. Technol.* 29:276-289. Ref. June 1951. 470 C16F
- 62590 GRACE, N. H. Oil seeds in peace and war economy. *Canad. Food Indus.* 22(6):28-30. June 1951. 286.83 C166
The industry in Canada.
- 62591 GROSS, I. C. Who wants yellow oleomargarine? *Pa. Grange News* 48:1,4. Apr. 1951. 6 P38
- 62592 GUENTHER, E. Recent developments in essential oils. II-IV. *Soap & Sanit. Chem.* 27(4):42-45, 90, 151; (5):35-38, 81; (6):37-39. Apr. June 1951. 307.8 Sol2
- 62593 GUPTA, B. G. The neglected cottonseed. *Oils & Oilseeds J.* 3(10):13-14. Apr. 1951. 307.8 Oi54
The industry in India.
- 62594 HACKFORTH-JONES, G. J. Oil of bergamot. *Soap, Perfumery & Cosmetics* 24:341-344. Apr. 1951. 307.8 Sol3
- 62595 HAFNER, F. H. Nutritional value of soybean proteins, the processor's responsibilities. *Soybean Digest* 11(8):18-20. June 1951. 60.38 So9
- 62596 HELLER, H. Zur verwertung der traubenholunderöle. *Seifen-Öle-Fette-Wachse* 77:161-162. Apr. 11, 1951. 307.8 Se4
Sambucus racemosa.
- 62597 HILDITCH, T. P. Drying oils. *Paint Indus. Mag.* 66(4):13-16. Ref. Apr. 1951. 306.8 D84
- 62598 HOGREFE, C. Handling of meal for storage, sacked and bulk. *Oil Mill Gaz.* 55(10):25-26. Apr. 1951. 307.8 Oi53
Cottonseed meal.
- 62599 HOLMES, R. L., MCKINNEY, R. S., and MINOR, J. C. The equilibrium moisture content of tung fruit and its components at different relative humidities. *Amer. Oil Chem. Soc. J.* 28:218-220. May 1951. 307.8 J82
- 62600 HOPPER, T. H. Review of methods of analysis of cottonseed meals. *Cottonseed Nutr. & Processors Conf. Proc.* 1950:11-14. 1951? 1.9321 S2P943
Also in *Oil Mill Gaz.* 55(9):15-16. Mar. 1951. 307.8 Oi53
- 62601 HURST, F. Co-ops help in switch to soybeans. *News Farmer Coop.* 18(2):11, 14. May 1951. 166.2 N47
- 62602 JENSEN, E. A., and others. The storage of cottonseed. IX. Behavior of cottonseed during storage under mill conditions. *Amer. Oil Chem. Soc. J.* 28:241-245. Ref. June 1951. 307.8 J82
M. G. Lambou, F. R. Andrews, R. Y. Mayne, M. L. Karon, M. E. Curet, F. B. Wilcox, A. M. Altschul, W. Newby, and W. F. Bollens, joint authors.
- 62603 JESSEE, J. Perfume album. New York, Perfume Prod. Press, 1951. 188 p. 308 J49
Contains data on essential oil sources.
- 62604 KAUFMANN, H. P., and STRÜBER, K. Molekülvergrößerungen auf dem fettgebiet V: katalytische beeinflussung der öltrocknung. 1. Fette u. Seifen 53:142-145. Mar. 1951. 384 C422
- 62605 KELLER, J. C. 1951 support price higher. *Peanut J. & Nut World* 30(8):25, 52. June 1951. 77.8 P313
- 62606 KELLER, J. C. Peanut acreage allotments increased for 1951 crop. *Peanut J. & Nut World* 30(7):27, 52-53. May 1951. 77.8 P313
- 62607 KESTERSON, J. W., and HENDRICKSON, R. An improved manometric technique for evaluating the oxidative stability of coldpressed orange oil. *Food Technol.* 5:220-222. June 1951. 389.8 F7398
- 62608 KNIGHT, H. B., EDDY, C. R., and SWERN, D. Reactions of fatty materials with oxygen. VIII. *Amer. Oil Chem. Soc. J.* 28:188-192. Ref. May 1951. 307.8 J82
- 62609 KUIKEN, K. A. The effect of processing variables on the availability of the essential amino acids in cottonseed meal. (Abs.) *Cottonseed Nutr. & Processors Conf. Proc.* 1950:43-44. 1951? 1.9321 S2P943
- 62610 LAHEY, E. A. Fattening on futures. *New Repub.* 124(21):11-12. May 21, 1951. 280.8 N42
Discusses futures in soybeans and other agricultural commodities.
- 62611 LANGHURST, L. F. Solvent extraction processes. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p. 541-590. Ref. New York, Interscience, 1951. 60.3 M34
- 62612 LEHMAN, R. W., and EMBREE, N. D. Soybean oil by-products. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p. 833-852. Ref. New York, Interscience, 1951. 60.3 M34
- 62613 LOMBARD, R. L'insaponifiable des corps gras. I. *Oléagineux* 6:195-202. Apr. 1951. 77.8 OL2
- 62614 MAJORELLE, A. Les matériels modernes d'oléification et l'équipement des nouvelles huileries co-opératives. B. *Econ. et Social de la Tunisie* 50:39-49. (Cont.) Mar. 1951. 280.8 B874
- 62615 MANFREDINI, E. G. Essence of juniper returns to favor. (In Italian.) *Riv. Ital. Essenze-Profumi-Plante Officinali-Olii Veg.-Saponi* 33:129-134. Ref. Mar. 15, 1951. 308.8 R52
- 62616 MARKLEY, K. S., ed. *Soybeans and soybean products*, v. 2. New York, Interscience, 1951. 604 p. 60.3 M34
- 62617 MARKLEY, K. S. Vegetable oil crops as food, feed, and industrial raw materials. *Cotton Gin & Oil Mill Press* 52(11):18-21, 47-53. May 26, 1951. 304.8 C822
- 62618 MARTIN, G. The modern soap and detergent industry. Ed. 3, rev. by E. I. Cooke. London, Tech. Press, 1950-51. 2 v. 307 M36M
V.1 contains chapters on oils and fats and their analysis.
- 62619 MARTINEZ-MORENO, J. Planung und organisation der fettforschung in Spanien. *Fette u. Seifen* 53:125-129. Mar. 1951. 384 C422
- 62620 MERRILL, W. Copra operations and outlook for 1951. *Oil Mill Gaz.* 55(10):33-35. Apr. 1951. 307.8 Oi53
Includes discussion.
- 62621 MORITZ, F. L. Soybeans in State's top cash crop bracket. *Mo. Farmer* 43(4):3, 14-15. Apr. 1951. 6 M696
- 62622 NATIONAL OIL MILL SUPERINTENDENTS ASSOCIATION. Minutes of the fourth divisional meeting, Alexandria Hotel, Los Angeles, California, March 10-11, 1951. *Oil Mill Gaz.* 55(10):15-43. Apr. 1951. 307.8 Oi53
- 62623 NAVES, Y. R. Sweet orange oil from French Guinea. *Soap, Perfumery & Cosmetics* 24:345-347. Apr. 1951. 307.8 Sol3
- 62624 PARRISH, J. L. Gold nuggets of the Wiregrass. *Ala. Farmer* 30(5):1. Feb. 1951. 276.8 AL1
Peanuts.
- 62625 PAXTON, G. Thinks colored oleo would impair pure food code. *Pa. Holstein* 10(2):9. Apr. 1951. 43.8 P38
- 62626 PRICHARD, G. L. The castor bean program. *Cargill Crop B.* 26(6):15-17. May 17, 1951. 281.8 C19
- 62627 RILEY, J. P. The seed oil of *Ongekoka* Gore Engler. I. *Chem. Soc. J.* 1951:1346-1348. May 1951. 382 L84J
Chemistry.
- 62628 RODRIG, A. Die bedeutung des ölfruchtanbaues. *Kärntner Bauer* 101:208. Apr. 15, 1951. 19 K14
- 62629 ROMANO, E. DDT, chlordane and hexachlorocyclohexane content of oil from olive plantings treated with antacids [for *Dacus oleae*]. (In Italian.) *Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III.* P. 36, 6 p. 1950. 105.4 R66

62630 ROMPIETTI, A. Brief notes on Libian olive culture. (In Italian.) Riv. di Agr. Subtrop. e Trop. 45 (1/3):47-61. (To be cont.) Jan./Mar.1951. 26 Ag82

62631 ROWE, P. A. Manitoba sunflower seeds converted to edible oils. Food Canada 11(3):9-10,12. Mar. 1951. 389.8 F7323

62632 SAINT-QUENTIN, M. Une richesse qui disparaît: l'olivier. Rustica 24:415. May 6,1951. 14 R92 France.

62633 SCHEIFELE, B. F. H. Lacktrane und moderne verfahren der Ölveredelung. Fette u. Seifen 53:201-205. Apr.1951. 384 C422

62634 SCHMIDT-LAMBERG, H. Atlantikwirtschaft im sektor seifen, öl und fette. Seifen-Öle-Fette-Wachse 77:167-168. Apr.11,1951. 307.8 S44

62635 SCOTT, C. W. Operations for better lint. Oil Mill Gaz. 55(10):19-20. Apr.1951. 307.8 O153 Cottonseed.

62636 SINDICATO VERTICAL DEL OLIVO. La coyuntura general de las grasas y aceites en los diferentes países del mundo, v. 1. Madrid,1950. 221 p. 286.88 S16

62637 SINDICATO VERTICAL DEL OLIVO. Estadísticas oleícolas, v. I. Madrid,1950. 210 p. 286.88 S16E

Olive and other oils.

62638 SISLEY, J. P. L'industrie des corps gras alimentaires. Rev. des Ferment. et des Indus. Aliment. 6:28-31,48-52. Feb.,Apr.1951. 390.08 R32

62639 SMITH, C. T. A new continuous solvent extractor for oleaginous substances. Amer. Oil Chem. Soc. J. 28:274-277. June 1951. 307.8 J82

62640 SMITH, J. M., and VAN DUYN, F. O. Other soybean products. In Markley, K. S., ed. Soybeans and soybean products, v.2,p.1055-1078. Ref. New York, Interscience,1951. 60.3 M34

62641 STANLEY, J. Production and utilization of lecithin. In Markley, K. S., ed. Soybeans and soybean products, v.2,p.593-647. Ref. New York,Interscience, 1951. 60.3 M34

62642 STRAYER, G. M. What is ahead in soybean chemistry. Chemurg. Digest 10(6):25-29. June 1951. 381 N213Na

62643 TAMBORINI, H. The importance of proper sampling to successful cottonseed processing. Oil Mill Gaz. 55(10):21-23. Apr.1951. 307.8 O153

62644 THALER, H. Über den nachweis der künstlichen färbung von fetten. Fette u. Seifen 53:132-133. Mar.1951. 384 C422

62645 THOMPSON, H., CECIL, S. R., and WOODROOF, J. G. Storage of edible peanuts. Ga. Agr. Expt. Sta. B. 268,43 p. Ref. Mar.1951. 100 G29S

62646 THURBER, F. H. Effect of processing conditions on chemical properties of cottonseed meal. Cottonseed Nutr. & Processors Conf. Proc. 1950:17-23. 1951? 1.9321 S2P943

Discussion.

62647 TOTTOLI, M. Modern process for extraction of oil from oilseeds. (Condensed.) Oils & Oilseeds J. 3(10):15-19. Apr.1951. 307.8 O154

62648 TRABAUD, L. Ciste-labdanum oil. Soap, Perfumery & Cosmetics 24:449-452. Ref. May 1951. 307.8 S13

Cistus ladaniferus.

62649 VIDYARTHI, S. D. Prospects of cotton seed oil industry in India. Oils & Oilseeds J. 3(9):7-9,22. Mar. 1951. 307.8 O154

62650 VIENNOT, J. Note technologique sur l'épuration des huiles de palme. Marchés Colon. 7:852-853. Mar. 24,1951.

62651 WALKER, D. D. Extraction of distillers' dried grains in a soybean solvent extraction plant. Amer. Oil Chem. Soc. J. 28:195-197. May 1951. 307.8 J82

62652 WALSH, R. M. World fats and oils situation. Soybean Digest 11(8):14,17. June 1951. 60.38 S09

62653 WARREN, R. F. Hydrogenation yields fatty alcohols. Chem. Engin. 58(6):117-119. June 1951. 381 EL2

Hydrogenation of fats and fatty acids.

62654 WEBSTER, J. R. La planta industrializadora de aceitunas más importante del mundo. Siembra [Madrid] 7(2):17-21. Feb.1951. 15 S11

Lindsay Ripe Olive Co., Lindsay, California.

62655 WESEMANN, H. P. Current situation for essential oils. Confectionery-Ice Cream World 45(21):8,28. May 28,1951. 389.8 C767

62656 WILLIAMSON, L. Some aspects of the oxidation of the drying oils. Oil & Colour Chem. Assoc. J. 34:119-129. Ref. Mar.1951. 306.9 O15

Includes discussion.

62657 WRIGHT, C. E. Sell that oil in citrus seeds. Food Engin. 23(5):102. May 1951. 389.8 F737

62658 XANDRI TAGÜENÁ, J. M. La extracción de aceites de pepitas de uva. Siembra [Madrid] 7(3):6-9. Mar.1951. 15 S11

62659 YAZICIOGLU, T. Türkische pflanzenöle. Fette u. Seifen 53:189-190. Apr.1951. 384 C422

POULTRY AND POULTRY PRODUCTS

62660 ALTHOUSE, S. L. Retailers get "hep" at PENB [Poultry and Egg National Board] schools. Hatchery & Feed 25(6):10,38-39. June 1951. 47.8 H28

62661 ARMOUR AND COMPANY, CHICAGO. CONSUMER SERV. DEPT. Study guide for quick-frozen table-dressed poultry. Chicago,1950. 12 p. 389.9 Ar52

62662 BAKER, R. L. Effect of order on choice. J. Farm Econ. 33:257-259. May 1951. 280.8 J822

In questionnaires concerning factors a farmer would consider in determining the number of chicks to buy.

62663 BAKER, R. L., and GOLDMAN, A. S. Habits, preferences and demands of Des Moines egg consumers. Poultry Sci. 30:329-339. Ref. May 1951. 47.8 Am33P

62664 BAKER, R. L., and JUDGE, G. Timing and quality mean more egg dollars. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:169-171. May 1951. 275.28 Io94

62665 BERRY, L. H. Broiler future looks bright. Amer. Egg & Poultry Rev. 12(5):88-92. May 1951. 47.8 Am38

62666 BIANCHI, L. E. Necessary comparisons. (In Portuguese.) Chacaras e Quintais 83:409-411. Apr.15, 1951. 9.2 C34

Poultry industry in São Paulo.

62667 BIANCHI, L. E. Poultry raising is an important agricultural industry. (In Portuguese.) Chacaras e Quintais 83:572-573. May 15,1951. 9.2 C34

Brazil.

62668 BLAKE, R. C. The trend of world egg markets. Poultry Farmer [Sydney] 18(32):26-27. Feb.10,1951. 280.28 Or32

62669 BRANT, A. W. What do we mean by heat damage to eggs? Poultry Tribune 57(6):7,14-15. June 1951. 47.8 P8642

62670 BROWNELL, A. Two hens work for you. Poultry Digest 10:337-338. June 1951. 47.8 N219

U. S. egg consumption.

62671 BUCK, J. T. Egg production and marketing practices in commercial areas of Virginia. Va. Agr. Col. Ext. Va. Farm Econ. 126:4-6. Feb.1951. 275.29 V813

62672 CANADA. BUR. OF STATISTICS. Production of poultry and eggs, 1950. Ottawa,1951. 26 p. 253 S23P

62673 CANESTRARI, R. Our [Italian] egg production deficient. (In Italian.) Mezzogiorno Agr. 7(15):3. Apr.15/21,1951. 16 M57

62674 CLARKE, M. C. A pattern for future broiler operations? U. S. Egg & Poultry Mag. 57(6):8-9,24,26, 28,30. June 1951. 286.83 Eg3

62675 EASTWOOD, R. A. Economics of raising broilers and costs and margins of slaughtering poultry in fifteen co-operative wholesale poultry slaughtering plants, 1947-1948. Ithaca,1951. 242 p. 281.347 Ea7

Typewritten.

Thesis - Cornell University.

62676 ELOFF, H. P. Purchasing chicks. (In Afrikaans.) S. A. P. A. Poultry B. 15(163):9. Apr.1951. 47.8 So89

62677 FITZPATRICK, L. J. Selling ice for poultry cooling. Ice & Refrig. 120(6):49-50. June 1951. 295.8 Ic2

62678 FLETCHER, D. A., and JOHNS, C. K. Three years experience in grading frozen egg in Canada. Poultry Sci. 30:445-448. May 1951. 47.8 Am33P

62679 FLOREA, J. H. Sell at retail. Hatchery & Feed 25(6):11,35-37. June 1951. 47.8 H28

62680 FRAZIER, H. Poultry industry in Utah. Utah Econ. & Business Rev. 11(4):4-5. Apr.1951. 280.8 Ut1

62681 GEMMILL, A. V. Mechanizing clinches quality. Food Engin. 23(4):120-122,176-177. Apr.1951. 389.8 F737

Poultry freezing.

62682 GEURDEN, L. Les possibilités de l'aviculture au Congo Belge. Cour. Agr. 16(6):1-2,4. Mar.14,1951. 24 C83

62683 GILLIES, F. Market trends in the poultry industry. Queensland Co-op. 1951:29,32-33,35-37. Jan. 1951. 280.28 Q3

Eggs.

- 62684 GISH, C. L. Increasing your egg sales. *Colo. Grocer* 16(4):15. Apr. 1951. 286.28 C71
- 62685 GUSLER, G. Poultry will pay off better in the year ahead. *Mont. Farmer - Stockman* 38(11):23. Feb. 1, 1951. 6 M764
- 62686 GUYER, R. Poultry sells better when it's packaged right. (Condensed.) *U. S. Egg & Poultry Mag.* 57(6):12-17. June 1951. 286.83 Eg3
- 62687 HADLINGTON, E. The development of the poultry industry in New South Wales; fifty years of progress. *Agr. Gaz. N. S. Wales* 62:161-165. Mar. 1, 1951. 23 N472
- 62688 HARVEY, J. R. Developments in the poultry industry. *Times Survey Brit. Agr.* 1951:2-3. Mar. 1951. 10 T48
- 62689 HEIM. Gedanken zum marktanteil deutscher eier. *Milch- Fettwaren- Eierhandel* 3(21,sup.):4-5. Mar. 16, 1951. 286.85 M59
- 62690 HURD, A. Why so few eggs? *Country Life* [London] 109:1473. May 11, 1951. 80 C83
- 62691 JOHNDREW, O. F., JR. Progress in shell egg packaging. *Co-op. Poultryman* 16(5):26,28-29. May 1951. 47.8 C782
- 62692 JOHNSON, E. A. The egg and the poultryman. *Co-op. Poultryman* 16(5):7-13. May 1951. 47.8 C782
- 62693 KASTNER, F. Die gross-aktion der deutschen elerwirtschaft. Eier-, Wild-, Geflügel- u. Honig-Markt 3(11):1-2. Mar. 1, 1951. 280.38 E13
- 62694 KOHLS, R. L. The poultry and egg outlook for 1951. *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:5-6,8. Feb. 23, 1951. 275.29 In2Em
- 62695 KULLMANN, C. E. Eierland Frankreich. *Eier-, Wild-, Geflügel- u. Honig-Markt* 3(6):4-5. Feb. 8, 1951. 280.38 E13
- 62696 LANDRETH, W. A. A national marketing plan for Canadian poultry products. *Canada Poultryman* 37(7): 5,14-15. July 1950. 47.8 C166
- 62697 LARZELERE, H. E., and SHEPPARD, C. C. Methods of measuring changes in egg quality in terms of physical grade and economic value. *Poultry Sci.* 30:389-392. May 1951. 47.8 Am33P
- 62698 LITTLE, S. J. Hatching egg business is expanding in W. N. C. [Western North Carolina]. *Farmers Fed. News* 31(6):3,6-7. Feb. 1951. 280.28 F225
- 62699 LORENZ, F. W. Ultra violet lamps for egg-canning. *Co-op. Poultryman* 16(5):25. May 1951. 47.8 C782
- 62700 MCCLASKEY, G. D. Grading develops a better egg market. *Poultry Tribune* 57(5):8,17. May 1951. 47.8 P8642
- In Kansas.
- 62701 MCLEOD, A. N. Marketing of Long Island ducks, 1948. *N. Y. Agr. Col. A. E.* 726,45 p. June 1950. 281.9 C81
- 62702 MESCHINI, C. The arithmetic of poultry keeping. (In Italian.) *Mondo Agr.* 2(4):4. Jan. 28, 1951. 16 M74
- Statistics of the Italian poultry industry.
- 62703 MOORE, A. C. Make the most of your surplus stock. *Poultry* [London] 108:328. Apr. 24, 1951. 47.8 P869
- Marketing meat birds.
- 62704 NEUMANN, M. Pflichten und rechte in der elerwirtschaft. *Milch- Fettwaren- Eierhandel* 3(21,sup.): 1. Mar. 16, 1951. 286.85 M59
- Germany.
- 62705 PANKOVA, F., and SHKLÍAR, K. Accelerated methods of chemical and bacteriological testing of egg pulp. (In Russian.) *Miashnâ Indus. SSSR.* 21(6):76-78. Nov./Dec. 1950. 50.8 M58
- 62706 PEASEGOOD, J. Eggs should travel on their sides. *Poultry* [London] 108:350. May 1, 1951. 47.8 P869
- 62707 PEELE, F. E. Pack up those day-old turkeys; there's a right and wrong way to box the youngsters for travel. *Mod. Poultry Keeping* 64:505. May 9, 1951. 47.8 Eg3
- 62708 PETERSON, G. A. Fewer egg pick-ups needn't lower quality. *News Farmer Coop.* 18(2):18. May 1951. 166.2 N47
- 62709 RAUSTADT, R. P. Egg institute method teaches quality and marketing. *Agr. Leaders' Digest* 32(5):17-18. May 1951. 275.28 Am3
- 62710 RIST, E. Wann kommt endlich die elerverordnung; Bayern und die elerverordnung. *Eier-, Wild-, Geflügel- u. Honig-Markt* 3(6):1-2. Feb. 8, 1951. 280.38 E13
- 62711 ROY, J. B. La coopérative des produits avicoles de Marleville fait de nouveaux progrès. *Avicult. Québécois* 6(5):13-15. May 1951. 47.8 Av55
- 62712 SALEWSKI. Niedersachsen fördert das deutsche ei. *Milch- Fettwaren- Eierhandel* 3(21,sup.):6-7. Mar. 16, 1951. 286.85 M59
- 62713 SCHIEFERENZ, J. Von der eierkiste zum eierkarton. *Milch- Fettwaren- Eierhandel* 3(21,sup.):7-8. Mar. 16, 1951. 286.85 M59
- 62714 SCHIEFERENZ, J. Wie wird die elerversorgung im jahre 1951? *Milch- Fettwaren- Eierhandel* 3(21,sup.):2. Mar. 16, 1951. 286.85 M59
- Germany.
- 62715 SCHINDLER, F. R. Can producers get more money for quality eggs? *Co-op. Poultryman* 16(5):20-21. May 1951. 47.8 C782
- 62716 SCHMIDT, W. Der wert der eierpreisnotierung. *Milch- Fettwaren- Eierhandel* 3(21,sup.):2-3. Mar. 16, 1951. 286.85 M59
- Germany.
- 62717 SMALL, C. J. Egg production in Denmark has now regained prewar volume. *Foreign Trade* 9:867-868. May 19, 1951. 286.8 C162
- 62718 SNEEK, Y. A. VAN P. TE. The future of Dutch poultry. X. (In Dutch.) *Pluimveeteelt* 4(5):6. Mar. 2, 1951. 47.8 P722
- 62719 STADELMAN, W. J., and JENSEN, L. S. A study of egg quality on the farm. *Poultry Sci.* 30:367-371. May 1951. 47.8 Am33P
- 62720 TABER, H. E. Eastern iced poultry. *Amer. Egg & Poultry Rev.* 12(5):2-3. May 1951. 47.8 Am38
- 62721 U. S. PRODUCTION AND MARKETING ADMIN. Specifications for export fibre drums for dried whole eggs, approximately 175-pounds capacity. Washington, 1950? 2 p. 1.956 P86Sp34
- 62722 WARREN, C. What direction prices? *Coop. Poultryman* 16(6):17-18. June 1951. 47.8 C782
- Eggs.
- 62723 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Training aid for judging frozen poultry. *Wash. State Col. Ext. Mimeog.* 656,1 p. Mar. 1951. 275.29 W27M1
- 62724 WATSON, SIR J. S. The feeding-stuffs problem. *Times Survey Brit. Agr.* 1951:1-2. Mar. 1951. 10 T48
- 62725 WESSELS-HOLTMANN, H. Der weg zum standardisierten ei. *Milch- Fettwaren- Eierhandel* 3(21,sup.):6. Mar. 16, 1951. 286.85 M59
- Germany.
- 62726 WILHELM, L. A. Changes in the chicken business. *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:7-8. Mar. 23, 1951. 275.29 In2Em
- 62727 WILHELM, L. A. The impact of certain technological changes on the nature and efficiency of the poultry industry. Lafayette? 1951. 193 p. Film 140
- Thesis - Purdue University
- 62728 WILSON, E. This is one free market we can do without. *Poultry* [London] 108:308. Apr. 17, 1951. 47.8 P869
- Selling eggs.
- 62729 WINTER, A. R., BURKART, B., and WRINKLE, C. Analyses of frozen egg products. *Poultry Sci.* 30:372-380. Ref. May 1951. 47.8 Am33P

RUBBER AND RUBBER SUBSTITUTES

- 62730 AMERICAN CHEMICAL SOCIETY. RUBBER DIV. September, New York meeting. *India Rubber World* 124:328-336. June 1951. 305.8 In2
- Report and abstracts of papers at the fifty-ninth meeting.
- 62731 ARIANO, R. L'influence des caoutchoucs en poudre sur les propriétés mécaniques des bitumes pour revêtements routiers. *Rev. Gén. du Caoutchouc* 28:273-275. Apr. 1951. 305.8 R32
- English summary.
- 62732 BELDERBOS, C. La Belgique en face du caoutchouc. *Soc. Belge d'Etudes et d'Expansion. B. Bimes.* 145:204-208. Mar./Apr. 1951. 280.8 So17
- 62733 BLAINE, G. Flexible educational models; a new use for rubber and synthetic materials. *Rubber Age & Synthetics* 32:89-90. May 1951. 305.8 R824
- 62734 BLIZARD, R. B. Visco-elasticity of rubber. *J. Appl. Phys.* 22:730-735. June 1951. 334.8 P563
- 62735 BOWLER, W. W. Water vapor permeability and sorption of Hevea latex films. (Abs.) *India Rubber World* 124:335. June 1951. 305.8 In2
- 62736 BRAAK, H. R. Extraction and preparation of gutta-percha on the "Tjipetir" estate (Pusat Perkebunan Negara). (In Dutch.) *Bergcultures* 20:79,81,83-84. Feb. 16, 1951. 22.5 B45

62737 CAYRE, P. L'incorporation des peptisants au latex. Rev. Gén. du Caoutchouc 28:276-278. Apr. 1951. 305.8 R32

English summary.

62738 COTTON, F. H., and LEE, K. O. Effects of antioxidants on rate of breakdown of rubber during mastilation. India-Rubber J. 120:825-826. May 26, 1951. 305.8 In21

62739 DWIGHT, M. Rubber reclaiming. Rubber Age & Synthetics 32:92-94. May 1951. 305.8 R824

62740 FABRE, R. Le marché international du caoutchouc. Marchés Colon. 7:763-765. Mar. 17, 1951. 286.8 M33

62741 FABRE, R. Temps présent et à venir. Rev. Gén. du Caoutchouc 28:241-246. Apr. 1951. 305.8 R32
Text also in English.
Rubber industry.

62742 GILS, G. E. VAN. Studies on the yellow fraction of latex. (Abs.) India Rubber World 124:335. June 1951. 305.8 In2

62743 HARRIS, T. F. Brazilian consumption of rubber now greater than production. Foreign Trade 9:869-871. May 19, 1951. 286.8 C162

62744 HUBLIN, R. Les principaux sujets de recherches de l'Institut Français du Caoutchouc. Rev. Gén. du Caoutchouc 28:223-227. Apr. 1951. 305.8 R32
Text also in English.

62745 LAUZIÈRES, J. DE. Les plantations indochinoises de caoutchouc et la guerre. Nouvelle Rev. Franc. d'Outre-Mer (n.s.) 43:38-39. Mar. 1951. 280.8 B873

62746 LE BRAS, J. Caoutchoucs spécifiés et progrès techniques. Rev. Gén. du Caoutchouc 28:230-233. Apr. 1951. 305.8 R32

Text also in English.

62747 MARVIN, S. Dynamic properties of rubber. (Abs.) India Rubber World 124:330. June 1951. 305.8 In2

62748 MURPHY, E. A. Review of recent progress in latex technology. (Abs.) India Rubber World 124:334. June 1951. 305.8 In2

62749 PADIRAC, R. DE. Pourquoi l'Institut Français du Caoutchouc? Rev. Gén. du Caoutchouc 28:217-221. Apr. 1951. 305.8 R32

Text also in English.

62750 PICKETT, F. N. Mr. Bevan, M. Wilson, and rubber. Rubber Age & Synthetics 32:96. May 1951. 305.8 R824

62751 RESEARCH ASSOCIATION OF BRITISH RUBBER MANUFACTURERS. Annual report for 1950, thirty-first year. Croydon, 1951. 36 p. 305.9 R312

62752 SCHOOF, M. Évolution technique de la culture et de la production du caoutchouc au Congo Belge. Rev. Gén. du Caoutchouc 28:234-240. Apr. 1951. 305.8 R32

Text also in English.

62753 SEMON, W. L. How the rubber industry uses farm products. Chemurg. Digest 10(6):22-25. June 1951. 381 N213Na

Raw materials for synthetic rubber.

62754 STEVENS, H. P. Coagulation or gelling. Rubber Devlpmt. 4:34-35. Mar. 1951. 305.8 R828

62755 SYKES, J. H. M. A unique factory; rubber manufacture in South Wales. Rubber Age & Synthetics 32:101-102. May 1951. 305.8 R824

62756 VALTIER, E. Le xélat 50 latex positif de caoutchouc. Rev. Gén. du Caoutchouc 28:309-312. May 1951. 305.8 R32

SEEDS

62757 BALDER, O. G. Sortenbenennung und werbung. Saatgut-Wirt. 3:7-8. Jan. 1951. 61.8 Sa1
Germany.

62758 BEARD, D. F., MYERS, W., and FORTENBERRY, B. W. Seed certification. 4. West. Feed & Seed 6(5):22,31-32. May 1951. 389.78 W52

62759 BITTERHOFF, G. Ursachen des zusammenbruchs des gemüsesamenmarktes. Saatgut-Wirt. 3:5-7. Jan. 1951. 61.8 Sa1
Germany.

62760 BOHNE, W. Zum letzten male: "neues saatgut-gesetz." Saatgut-Wirt. 3:12. Jan. 1951. 61.8 Sa1

62761 CASARES, R., GARCIA OLMEDO, R., and PERALTA, T. Estudio sobre la composición de la semilla de "Trigonella foenum graecum." An. de Bromatologia 2:353-360. Ref. 1950. 389.8 An1
English summary.

62762 DENMARK. STATSFØRØKONTROLLEN. Report from the Danish State Seed Testing Station for the 78th working year from the 1st July 1949-30th June 1950. (In Danish.) Tidsskr. f. Planteavl 54:185-248. 1951. 11 T439
English summary.

62763 ECKHOFF, Die saatgutvermehrung 1950 im gebiet der Landwirtschaftskammer Hannover. Hannover-sche Land- u. Forstwirt. Ztg. 104:109-110. Feb. 3, 1951. 18 H194

Statistical.

62764 FINNELL, H. E., and others. Seed certification. 3. West. Feed & Seed 6(4):22,45. Apr. 1951. 389.78 W52

C. Porter, J. Oakley, K. E. Beesen, and D. F. Beard, joint authors.

62765 FRANKS, G. M. Not dry enough! Seed moisture guardian stops ravisher of germination, profits. (Extr.) South. Seedsman 14(5):25,37. May 1951. 61.8 So8

62766 HEIM, J. Look for the blue tag. Purdue Agr. 42(6):3,18. Mar. 1951. 6 P97

Seed certification in Indiana.

62767 INGLIS, H. A. Certification of seed with "compulsory" certification. Seed World 68(8):12,40-41. Apr. 20, 1951. Se52

62768 JOHNSON, A. A., and others. Interstate certification of seeds. Seed World 68(7):12,48-49. Apr. 6, 1951. 61.8 Se52

F. Parsons, H. E. Finnell, and D. F. Beard, joint authors.

62769 LIND, I. Grower to grower, hardy champion seeds. News Farmer Coop. 18(2):12-14. May 1951. 166.2 N47

Legume and grass seed cooperatives.

62770 NIESER, O. Der gehalt an kultur- und unkraut-samen in den im jahre 1948 untersuchten proben. Saatgut-Wirt. 3:13-15. Jan. 1951. 61.8 Sa1

62771 PAL, B. P., and MUKHERJI, D. K. Seed testing. Sci. & Cult. 16:43-51. Ref. Aug. 1950. 475 Sci24

62772 PENNSYLVANIA. DEPT. OF AGRICULTURE. Seed analyses report for the year 1950. Pa. Dept. Agr. B. 34(1), 20 p. Jan./Feb. 1951. 2 P38B

62773 PETERS, B. G. Now every seedsman can afford dryomatic seed moisture control. South. Seedsman 14(5):25,37. May 1951. 61.8 So8

62774 RUPP, E. Hurry-up seed plan; National [Seed] Foundation set to increase new grass-legume stocks quickly. Mo. Rur. 92(7):14-15. Apr. 14, 1951. 6 R8891

62775 SCHÖBER, K. Steigert die erzeugung von feldsämereien. Pflug 4:37-38. Feb. 1951. 19 P48
Austria.

62776 SCHWASS, R. H. Assessing the value of low-germinating seed. New Zeal. J. Agr. 82:225. Mar. 1951. 23 N48J

Method for comparing the relative price of seed having different germination capacity.

62777 STIRLAND, L. L. Seed treatment increases sales and satisfaction. (Excerpts.) West. Feed & Seed 6(5):17,30-31. May 1951. 389.78 W52

62778 U. S. BUR. OF AGRICULTURAL ECONOMICS. Acreage and production of vegetable seeds in 1950 and 1951. Washington, 1951. 8 p. 1.941 S3V52

62779 WEDEKIND, R. Gedanken zur anerkennung von gemüsesamen. Saatgut-Wirt. 3:12-13. Jan. 1951. 61.8 Sa1

62780 WRIGHT, W. H. Standardized tests of seeds. Grain & Feed J. Consolidated 106(11):21-22. June 13, 1951. 298.8 G762

SUGAR AND SIRUPS

62781 AHLFELD, H. Considerations regarding the world sugar consumption. F. O. Licht's Sugar Inform. Serv. 82:1-2. Jan. 31, 1951. 66.8 L61
Statistics.

62782 AHLFELD, H. The German sugar supply and the net-exports to the world free market. F. O. Licht's Sugar Inform. Serv. 83(2):1-2. Mar. 1, 1951. 66.8 L61

62783 AHLFELD, H. Westeuropa zuckerwirtschaftlich gesehen. F. O. Licht Internat. Zuckerber. Ber. 90:49-50. May 16, 1951. 66.8 L61A

62784 AMERICAN SUGAR REFINING COMPANY. Annual report, 1950. New York, 1950. 39 p. 65.9 Am3

62785 ASOCIACIÓN DE TÉCNICOS AZUCAREROS DE CUBA. Proceedings of the XXIII annual conference. Habana, 1949. 394 p. 65.9 As5

62786 BAQUERO, G. On behalf of a permanent solution to Cuba's sugar problem. Asoc. de Téc. Azucareros de Cuba. Proc. 23:1-8. 1949. 65.9 As5

62787 BARNES, A. C. Sugar—mainstay of the British West Indies. I. World Crops 2:325-327. Aug. 1950. 281.8 W892

62788 BERNAL CERICE, R. The value of sugar yield charts. Asoc. de Téc. Azucareros de Cuba. Proc. 23:253-257. 1949. 65.9 As5

62789 BLISS, L. R. Refractory juices from the agricultural standpoint. Asoc. de Téc. Azucareros de Cuba. Proc. 23:33-54. Ref. 1949. 65.9 As5

- 62790 BLISS, L. R. Refractory juices from the physicochemical standpoint. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:205-223. Ref. 1949. 65.9 As5
- 62791 BRAZIL. INSTITUTO DO ACUCAR E DO ALCOOL. SEÇÃO DE ESTATÍSTICA. Alcool e álcool-motor: produção e consumo, safra de 1948/49, ano civil de 1949 (janeiro a dezembro) [Alcohol and motor-alcohol: production and consumption, crop of 1948/49, calendar year of 1949 (January to December)]. Rio de Janeiro, 1950. 28 p. 390.9 In72
- 62792 CARRERAS LEDÓN, A., and ZAYAS GONZÁLEZ, F. A. A financial study of sugar cane as a raw material for chemical industries. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:383-394. Ref. 1949. 65.9 As5
- 62793 CARRERAS LEDÓN, A., and ZAYAS GONZÁLEZ, F. A. The use of cane sugar and its derivatives in the industrial preparation of surface active agents. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:343-352. Ref. 1949. 65.9 As5
- 62794 CHOQUETTE, C. L'industrie de l'éclairer et aujourd'hui. *B. des Agr.* 47(4):12-14. Apr. 1951. 7 B872
Canada.
- 62795 DELDEN, E. Modern boiling and its control. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:191-203. 1949. 65.9 As5
- 62796 DE WHALLEY, H. C. S., ALBON, N., and GROSS, D. Applications of paper chromatographic methods in the sugar and allied industries. *Analyst* 76:287-300. Ref. May 1951. 382 An1
Includes discussion.
- 62797 DOHERTY, W. H. The Government's sugar program. *Sugar B.* 29:229,237-239. May 1, 1951. 65.9 Am32
- 62798 EFFERSON, J. N. What is a fair and reasonable price for sugar? *Sugar J.* 13(12):21-23,40-42. May 1951. 65.8 Su391
- 62799 FIGUEIRÊDO FILHO, J. DE. Sugar crust in the nutrition of the interior. (In Portuguese.) *Selec. Agr.* 6(59):55-58. Mar. 1951. 9.2 Se4
Brazil.
- 62800 FIOL VILLAGELIÚ, J. L. Notes on proposed amendments to the Sugar Coordination Act. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:153-170. 1949. 65.9 As5
- 62801 FUNDORA, G. Notes on the manufacture of raw sugar. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:245-248. 1949. 65.9 As5
- 62802 GONÇALVES, P. A. A Louisiana sugar factory. (In Portuguese.) *Lav. Arroz.* 5(51):23-24,26-27. Mar. 1951. 59.8 L39
- 62803 GONZÁLEZ MAIZ, J. C. Technical improvements in the Cuban sugar industry. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:225-244. 1949. 65.9 As5
- 62804 GREIDANUS, G. International sugar market. (In Dutch.) *Econ.-Statist. Ber.* 36:66-70. Jan. 24, 1951. 280.8 Ec722
French summary, p. 63.
- 62805 GUILBEAU, W. F., BLACK, C. L., and MARTIN, L. F. A study of the processing of sugarcane on a pilot plant scale. *Sugar B.* 29:214-219. Apr. 15, 1951. 65.9 Am32
- 62806 HONIG, P. Results of and problems in the purification of mill juice. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:173-181. 1949. 65.9 As5
- 62807 HONRODT, E. A. Die zuckerindustrie im wandel der zeiten. *Hannoversche Land- u. Forstwirtschaft.* 103:1182,1184. Dec. 23, 1950. 18 H194
- 62808 KRNO, J. Growth of corn syrup use. *Internat. Confectioner* 61:48. May 1951. 389.8 In214
- 62809 LAMBORN & CO. How to stop sugar hoarders. New York, 1950. 1 p. 65 L173
- 62810 LIMA ROMERO, J. J. Correct liming of juices. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:249-252. 1949. 65.9 As5
- 62811 MAIER, E. A. Louisiana sugar cane production is efficient. *Sugar J.* 13(12):30,52-55. May 1951. 65.8 Su391
- 62812 MARCHETTI, O. A propos of the "bitter sugar." (In Italian.) *Mondo Agr.* 1(26):2,4. Dec. 24, 1950. 16 M74
Sugar beet industry in Italy.
- 62813 MARTIN, L. F. Utilization of by-products of Louisiana sugarcane. *Sugar J.* 13(12):26-27,46,48,50,52. May 1951. 65.8 Su391
- 62814 MEADE, G. P. Sugar refinery practice in Louisiana. *Sugar J.* 13(12):24-25,42,44,46. May 1951. 65.8 Su391
- 62815 NELSON, T. J. Proper storage of ingredients. 6. Storage of sugar. *Canad. Baker* 64(4):24-25. Apr. 1951. 389.8 C166
- 62816 NIESTRATH, E. C. Sugar house practice in Louisiana. *Sugar J.* 13(12):32,34,36,54-55. May 1951. 65.8 Su391
- 62817 O'BRIEN, C. H. History of Australian sugar industry; the Maryborough district. *Austral. Sugar J.* 42:861,863,865,867,869,871. (Cont.) Mar. 15, 1951. 65.8 Au7
- 62818 OCHOA, G. E. A new juice weighing method. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:265-266. 1949. 65.9 As5
- 62819 ORTH, B. Rückblick auf die zuckerrübenkampagne 1950. *Landbote* 5(20):4. May 19, 1951. 18 L2336
Germany.
- 62820 OWEN, W. L. A process for imparting essential vitamins to refined sugars. *Sugar J.* 14:21-24,33-34. June 1951. 65.8 Su391
- 62821 PÉREZ ALONSO, S. Grinding capacity of sugar mills. A rational formula. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:273-283. 1949. 65.9 As5
- 62822 RAO, P. S., and BERI, R. M. Analysis of sugars using paper chromatography (capillary ascent). *Cur. Sci.* 20:99. Apr. 1951. 475 Sci23
- 62823 RATCLIFF, S. O. Why set limits? *Farmers Wk. [London]* 34(22):55. June 1, 1951. 10 F2226
Expansion vs. restriction of the sugar beet industry in Great Britain.
- 62824 REICH, G. T. Production of solid carbon dioxide from fermentation gas. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:327-342. Ref. 1949. 65.9 As5
From molasses.
- 62825 ROMÁN-MARTÍNEZ, F. What sugar cane means to Puerto Rico. *N. Y. Agr. Col. Farm Econ.* 180:4706-4707. Apr. 1951. 280.8 C812
- 62826 SHNITNIKOV, V. N. Fir tree sugar. (In Russian.) *Priroda* 39(11):88-89. Nov. 1950. 410 P933
Utilization of honeydew.
- 62827 SOUTH PORTO RICO SUGAR CO. 50th anniversary report. New York, 1950. 23 p. 65.9 So84
- 62828 SUGAR policy. (In Portuguese.) *Observador Econ. e Financ.* 16(181):82-85. Feb. 1951. 280.8 Ob72
Addresses by F. P. de Queiroz and S. B. Tavares. Brazil.
- 62829 TEJADA, J. DE D. Azúcar en México. *Cuba Econ. y Financ.* 26(302):31-34. May 1951. 286.8 C892
The industry.
- 62830 TOLMIE, N. Partnerships can be profitable. *Sugar Beet* 10:14-15. Mar. 1951. 66.8 Su34B
Contracts.
- 62831 VAIL, J. S. Sugaring time—prelude to spring. *Sealtest Dairyman* 5(2):10-11. Mar./Apr. 1951. 44.8 Se1
- 62832 VÁZQUEZ, E. A. Precalentamiento de la caña de azúcar en la extracción del guarapo. *Asoc. de Téc. Azucareros de Cuba. B. Ofic.* 9:297-304. Oct. 1950. 65.9 As5B
- 62833 VÁZQUEZ, E. A. The utilization of molasses. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:309-326. 1949. 65.9 As5
- 62834 VÁZQUEZ ALEMÁN, J. M. Determination of glucose in cane juice by the Folin-Wu method. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:259-263. 1949. 65.9 As5
- 62835 VECCHI, G. DE. But how much bitterness in this sugar beet! (In Italian.) *Mondo Agr.* 2(16):3. Apr. 22, 1951. 16 M74
Italy.
- 62836 VILLIERS, O. D. DE. Reduced mill extraction. *So. African Sugar J.* 35:157,159. Mar. 1951. 65.8 So8
- 62837 WEBRE, A. L. The fabrication of good quality raw sugars. *Asoc. de Téc. Azucareros de Cuba. Proc.* 23:183-190. 1949. 65.9 As5
- 62838 WIGGINS, L. F. Recent trends in the sugar industry of the British West Indies. *Brit. J. Nutr.* 4:69-73. Ref. 1950. 389.8 B773
- 62839 WILLCOX, O. W. Next: sugar cane diffusion? *Sugar* 46(5):28-30. May 1951. 65.8 F11

TOBACCO

- 62840 BRUNELLI, A. A. La humedad en el tabaco. *Chacra* 21(246):48-49. May 1951. 9 C34
- 62841 BUFTON, V. E., HINTZMAN, A. J., and GOODELL, M. R. Wisconsin tobacco production and marketing. *Wis. Dept. Agr. B.* 305,72 p. Jan./Feb. 1951. 2 W752Bu
- 62842 CRAWSHAW, N. Greek tobacco industry in the doldrums. *Tobacco [London]* 71(846):45,102. June 1951. 286.89 T553

62843 DEWEY, A. W., and COUTU, A. J. Cigar leaf marketing studies. 1. Market reporting for Connecticut Valley binder tobacco. Conn. (Storrs) Agr. Expt. Sta. B. 265,36 p. Nov.1950. 100 C76S

62844 FREYSOLDT, G. Die dunklen exoten. Süddeut. Tabakztg. 61(14):3. Apr.6,1951. 286.89 Su2 Tobacco industry.

62845 GUGNONI, G. Qualitative research on tobaccos. (In Italian.) Chim. e l'Indus. 33:129-132. Ref. Mar.1951. 385 G43

62846 GUTEWORT, H. Die schnittbreite beim pfeifen-tabak. Süddeut. Tabakztg. 61(21):1. May 25,1951. 286.89 Su2 Regulation.

62847 GUTIERREZ, M. E. Tobacco research, United States-Philippines:tobacco trade reciprocity, home and world markets. Philippines, Bur. Plant Indus. Plant Indus. Digest 13(5):2-18. May 1950. 25 P544P

62848 HAUCK. Bestrebungen im qualitätsstabakbau gestern-heute! Bad. Landwirt. Wchnbl. 118:186-187. Mar.24,1951. 18 B142 The industry.

62849 HELLENIC TOBACCO BOARD. Greek tobacco. Athens,1950. 32 p. 69 H362

62850 INDIAN CENTRAL TOBACCO COMMITTEE. Indian tobacco, its uses. Rev. Madras,1950. 16 p. 69 In22

Varieties, uses, and trade.

62851 MARDIN, C. La question du tabac en Turquie. (In Turkish.) Türkiye Cumhuriyeti Ziraat Bankası. Uç Ayda Bir Çıkar 19:173-184. July/Sept.1950. 280.9 T842

62852 ROME. ISTITUTO NAZIONALE DI ECONOMIA AGRARIA. Tobacco. (In Italian.) Riv. di Econ. Agr. 6: 3-31. 1951. 281.8 R52

English summary.

Economic aspects in Italy.

62853 TANNER, A. E. Tobacco from the grower to the smoker, rev. by A. G. Barr. Ed. 5. London, Pitman, 1950. 109 p. (Common Comm. & Indus.) 69 T15T

62854 U. S. PRODUCTION AND MARKETING ADMIN. Plan for testing and scoring the burn of cigar-leaf tobacco. Rev. Washington,1950. 3 p. 1.956 T55P69

62855 VAN ROOYEN, C. F., and PEENS, J. F. Air-curing of tobacco and handling of the cured leaf. Farming So. Africa 26:78-79. Mar.1951. 24 So842

62856 VEN, R. VAN DER. The European Tobacco Conference in Rome 10-13 September 1950. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:89-98. Feb.1951. 86 N384

English summary.

62857 WEEKS, L. T. Tobacco growers work together. South. Planter 112(6):24. June 1951. 6 So89

Flue-Cured Tobacco Cooperative Stabilization Corporation.

MISCELLANEOUS PRODUCTS

62858 BAISTROCCHI, A. Is the licorice root destined to disappear? (In Italian.) Mezzogiorno Agr. 7(16):1-2. Apr.22/28,1951. 16 M57

62859 BANKS, A. The freezing and cold storage of herrings. Mod. Refrig. 54:96-98. Apr.1951. 295.8 M72

62860 BAUERNFEIND, J. C., SMITH, E. G., and SIEMERS, G. F. Commercial processing of frozen fish with ascorbic acid. Food Technol. 5:254-260. Ref. June 1951. 389.8 F7398

62861 BAUERNFEIND, J. C. Processing and storing ascorbic acid-treated fish products. Natl. Fisheries Inst. Fisheries Ybk. 1951:97-99,101. 414.9 N21Y

62862 BLOOMBERG, R. Pack diced salmon in 4-lb. cans. Food Engin. 23(5):93. May 1951. 389.8 F737

62863 CARAPPELLE, E. La salazon y la conserva en aceite, en Italia. Indus. Conserv. 17:48-50. Feb.1951. 389.8 In24

Fish.

62864 CROWTHER, H. E. Control of fish spoilage by icing and freezing. U. S. Fish & Wildlife Serv. Com. Fisheries Rev. 13(3):6-10. Mar.1951. 157.5 F532

62865 DREOSTI, G. M. The chemist and fish preservation. So. African Indus. Chem. 4:233-238. Dec.1950. 385 So8

62866 LANGFORD, M. G. Flaxseed and safflower seed operations in northern California. Oil Mill Gaz. 55(10):37-38. Apr.1951. 307.8 O153

Deals with the safflower industry.

62867 LE MAY, D. G. The 1950 hop crop. Inst. Brewing. J. 57:117-119. Mar./Apr.1951. 390.9 In7

62868 LUYCKX, E. La culture du houblon en Belgique. Rev. de l'Agr. 4:451-462. Apr.1951. 13 R322

English summary.

The industry.

62869 MEHREN, G. L. Marketing problems. Hopper 7(12):5-8. Mar.1951. 70.8 H77

62870 PUNCOCHAR, J. F. Freezing fish at sea. Fishing Gaz. 68(4):58,69. Apr.1951. 286.85 F53

62871 REAY, G. A., and SHEWAN, J. M. The preservation of fresh herrings. Fishing News 1981:12-14. Apr. 7,1951. 414.8 F532

62872 STEVENSON, V. Ten golden rules for marketing flowers. Smallholder 85(2136):11. Apr.27,1951. 10 Sml

62873 THOMPSON, G., JR. Wholesale flower prices in upstate New York 1949-50 (preliminary). N. Y. Agr. Col. A. E. 766,5 p. Jan.1951. 281.9 C81

62874 TRESSLER, D. K., and LEMON, J. M. Marine products of commerce; their acquisition, handling, biological aspects and the science and technology of their preparation and preservation. Ed. 2, rev. and enl. New York, Reinhold, 1951. 782 p. 414 T72 Chapters on algae and fish processing.

62875 TUTTLE, E. E. Possibilities in connection with control of new hop acreage. Hopper 7(12):10-11;8(1): 10-11. Mar.-Apr.1951. 70.8 H77

62876 VERMEULEN, C. Le houblon belge. Petit J. du Brasseur 59:364-365. May 11,1951. 390.8 P44

62877 WERNER, H. Zur verwendung polymerisierter seetieröle als speiseöle. Fette u. Seifen 53:133-134. Mar.1951. 384 C422

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

62878 AMERICAN ECONOMIC ASSOCIATION. Papers and proceedings of the sixty-third annual meeting, Chicago, Illinois, December 27-30, 1950. Amer. Econ. Rev. 41(2),816 p. May 1951. 280.8 Am32

62879 AVERDAM. Das oldenburger landvolk kämpft um seine lebensrechte. Oldenburger Landvolk 1951:17-19. In Landwirtbl. Weser-Ems 98(10). Mar.8,1951. 18 L2345

On prices, insurance, and taxation.

62880 BISSONNET, A. P. Economic conditions in Pakistan improved during the past year. Foreign Trade 9:890-894. May 26,1951. 286.8 C162

Agricultural.

62881 BRIZI, A. Economia agraria [Agricultural economics]. Ed. 2. Firenze, Macri, 1950. 339 p. 281.176 B77

62882 CAMARA, A. A. A program for the S. E. R. (In Portuguese.) Cooperativismo [Rio de Janeiro] 5(58):2. 8. Apr.1951. 280.28 C7856

Serviço de Economia Rural.

62883 CASTILLO, C. M. El Fair Deal y la política económica-agrícola en los Estados Unidos. II. Costa Rica. Ofic. de Coordinación Econ. Solidarismo y Racionalización 3(21):10-13. Jan./Feb.1951. 280.9 C82

62884 CHERBONNIER, E. G. An invisible product. (Condensed.) Chemurg. Digest 10(5):10. May 1951. 381 N213Na

Relations between agriculture and industry.

62885 ENGINE, S. A. The economic picture the soybean farmer faces. Soybean Digest 11(7):12. May 1951. 60.38 So9

62886 FRIETEMA, H. J. Het vraagstuk van de Europese economische integratie en de landbouw [The question of European economic integration and agriculture]. Leiden, Kroese, 1951? 32 p. 281.17 F912

62887 HALPIN, J. Guns, food & democracy. Cornell Countryman 48(7):6,22-23. Apr.1951. 6 C81

Economic conditions.

62888 HART, A. G. Defense without inflation, with recommendations of the Committee on Economic Stabilization. New York, Twentieth Century Fund, 1951. 186 p. 280.12 H252

62889 HOLLAND, C. D. Siam's rapid economic recovery. Gt. Brit. & East 67(1817):27. May 1951. 286.8 N27

Agricultural.

62890 JESNESS, O. B. Defense and the farmer. Minn. U. Agr. Ext. Farm Business Notes 329:1-2. Mar.30,1951. 275.29 M663

Economic conditions.

62891 MARFAN J., A. La Corporación de Fomento de la Producción—Chile (La Corporation pour l'Encouragement de la Production du Chili) Soc. Belge d'Etudes et d'Expansion. B. Bimes. 145:232-237. Mar./Apr.1951. 280.8 So17

62892 MARGULIES, R. Die wirtschaftspolitik des jahres 1950. In Ernährungsdienst. Festschrift zum 2. Deutschen Getreidehandelstag, p.12-13. Hannover,1951. 286.359 Er6

62893 MEDICI, G. Prospects of economic integration between Italian and French agriculture. (In Italian.) Agr. Ital. 2:78-79. Feb.15,1951. 16 Ag822

62894 MONACO, T. G. A. A. Cournot on agricultural economy. (In Italian.) Riv. di Econ. Agr. 6:124-129. 1951. 281.8 R52

English summary.

62895 MOORE, C. H. The business situation and outlook. Sowest. Shippers Adv. Bd. Proc. 28:21-23. June 8, 1951. 289.29 So83

Agricultural.

62896 ORGANISATION FOR EUROPEAN ECONOMIC COOPERATION. The Organisation for European Economic Co-operation; two years of economic cooperation. Ed. 2. Paris,1950. 46 p. 280.9 Or36Or

62897 PESATA, H. Was will der handel noch? Burgenländische Bauernbündler 4(8):2-3. Apr.10,1951. 19 B91

Cooperation and the relationship between industry and agriculture.

62898 POWELL, H. C. A land agent's bookshelf. IV. The land: its economics, politics, sociology and history. Land Agents' Soc. J. 50:195-198. May 1950. 282.9 L22

62899 RAAB, J. Die Verbindung von landwirtschaft und gewerbe. Bayern in Zahlen 5:5-6. Jan.1951. 265 B34

62900 REINKE, L. Der wirtschaftliche notstand des heimischen bauerntums. (Extr.) Landwirtbl. Weser-Ems 98:383-384. May 3,1951. 18 L2345

62901 SALA ROCA, E. Economía agraria en la última campaña. Cult. Mod. 34:84-85. Mar.1951. 15 C89

Spain.

62902 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Activities of the Department of Agriculture. Hearings, 82d Cong., 1st sess.; volume 1, Farm prices and farm income, April 24, 1951; Commodity Credit Corporation and Production and Marketing Administration, April 26 and 27, 1951; Rural Electrification Administration, May 2, 3, and 9, 1951. Washington,1951. 148 p.

62903 WOODHOUSE, C. G. The economic stabilization program and the rural family. Ext. Serv. Rev. 22: 52. Apr.1951. 1 Ex892Ex

AGRICULTURAL FINANCE

62904 CUNNION, D. O. The big rural market for drug store products. Amer. Druggist 123(6):56-57,102, 104. June 1951. 396.8 Am32

62905 D'ACHENKO, V. P. Financial aid of the Soviet Government to the collective farm system. (In Russian.) In Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR, p.218-271. Moskva,Gos. Izd-vo Polit. Lit-ry,1951. 281.179 L31V

62906 DRUCE, P. C. Financing the farm business. Agr. Gaz. N. S. Wales 62:129-134. Mar.1,1951. 23 N472

62907 LEBEL, L. Les caisses populaires et l'épargne chez les jeunes. I-II. Terre de Chez Nous 23(6):10; (8):6. Apr.4,18,1951. 7 T27

Canada.

62908 MURPHY, D. How much does it cost to start farming? Iowa Bur. Farmer 15(5):14-15. May 1951. 275.293 Iowa

62909 READ, H. E. G. The finance of estate management. Land Agents' Soc. J. 50:148-156. Apr.1951. 282.9 L22

62910 SALTER, R. G. The financial aspect of capital improvements and additions to the fixed equipment of agricultural land. Land Agents' Soc. J. 50:20-22. Jan.1951. 282.9 L22

Credit

62911 ALLEN, J. M. Short term loans for crop expenses. Rhodesian Tobacco J. 3:106-107. Feb.1951. 69.8 R34

For tobacco in Australia.

62912 BANCO AGRICOLA DEL PERU. Memoria, año social 1.º de octubre de 1949 a 30 de setiembre de 1950. Vida Agr. 28:157,159,161,163,165,167,169-170. Feb.1951. 9.8 V66

62913 BEINKE. Kredite in der landwirtschaft—ein recht schwieriges kapitel. Landwirtbl. Weser-Ems 1950: 1076-1077. Dec.21,1950. 18 L2345

62914 BERG, S. O. Interest rates on short-term bank loans to farmers. Minn. U. Agr. Ext. Farm Business Notes 329:3. Mar.30,1951. 275.29 M663

62915 BURKETT, W. K., and PARSONS, K. H. Buying farms with hundred-percent loans: an analysis of the Farm Security Administration loan experience in Wisconsin. Land Econ. 27:151-168. May 1951. 282.8 J82

62916 BUTLER, E. What's wrong with Federal Land Banks? Prog. Farmer, Tex. Ed. 66(5):17,101. May 1951. 6 T311

62917 CHATER, S. W. How American farmers obtain ample credit. Primary Prod. [Sydney] 27(4):21,24. Feb.23,1951. 23 P93

62918 COLLISSON, C. F. 50 years of progress in agriculture emphasizes influence of banker. Com. West 101(23):25,108-109. June 9,1951. 286.8 C733

62919 COMBS, L. R. When bankers favor conservation loans. Banking 43(12):72. June 1951. 284.8 Am3

62920 CRAMOIS, A. Le crédit agricole mutuel au service des jeunes agriculteurs. France. Min. de l'Agr. Rev. Etudes & Monog. 55:29,31. Feb.1951. 281.8 F84

62921 CROULEY, D. E. Cattle feeder financing. Banking 44:58-59. July 1951. 284.8 Am3

62922 DUGGAN, I. W. Credit co-ops help deter inflation. News Farmer Coop. 18(2):4. May 1951. 166.2 N47

62923 DUGGAN, I. W. No shortage of cooperative credit for production purposes. Grain Prod. News 3(10): 15. Apr.1951. 286.81 G764

62924 EVOLUCION de la actividad crediticia del Banco Agrícola y Pecuário. Banco Agr. y Pecuário. Rev. 18/19:62-70. July 1950. 284.29 B224R

Venezuela.

62925 FADER, B. Rural public relations gets big boost at Appleton [Minn.] bank's party. Com. West 101 (13,1.e.14):8. Apr.7,1951. 286.8 C733

62926 FARRINGTON, R. L. Credit on tap for increased co-op needs. Grain Prod. News 3(10):22-23. Apr.1951. 286.81 G764

62927 FONDARD, L. Le crédit agricole. Bouches du Rhône Agr. 23(1048):16. Apr.2,1951. 14 B662

62928 GÓMEZ RAMÍREZ, C. A. Fundamentales reformas requiere el servicio de crédito agrícola. Rev. Agr. y Ganad. 13(133):18. Feb.1951. 9.4 R327

Colombia.

62929 HYDERABAD. CO-OPERATIVE. DEPT. Rural credit societies in Hyderabad State. Indian Co-op. Rev. 16:344-346. Oct./Dec.1950. 280.28 In2

62930 JANDOLO, E. Credit and the Southern Bank. (In Italian.) Mondo Agr. 2(14):1-2. Apr.8,1951. 16 M74

Italy.

62931 JONES, L. A. Short-term farm debt rising. Agr. Situation 35(4):5-6. Apr.1951. 1 Ec7Ag

62932 JONES, S. V. How to get it from the Government. New York, Dutton, 1951. 104 p. 280.12 J72

Includes methods of obtaining farm credit and public land.

62933 KAMARAJU, V., Agricultural indebtedness in India—with special reference to Madras. Madras J. Co-op. 42:336-342. Dec.1950. 280.28 M26

62934 LELAND, R. M. In New England; country banking. Burroughs Clearing House 35(9):29-31,77-79. June 1951. 284.8 B94

62935 LUPPINO, P. Obtaining a better solution to the problem of agricultural credit. (In Italian.) Mezzogiorno Agr. 7(7):1-2. Feb.17/24,1951. 16 M57

Italy.

62936 LUZ FILHO, F. Cooperation, agricultural credit, and colonization. (In Portuguese.) Lavoura 54: 31-34. Sept./Oct.1950. 9.2 L39

Brazil.

62937 MENEZES, R. B. DE. Considerations concerning agricultural credit. (In Portuguese.) Cooperativismo [Rio de Janeiro] 5(58):7. Apr.1951. 280.28 C7856

62938 MILLER, C. A., JR. Financing the cotton merchant. Miss. Banker 35(11):73-78. Apr.1951. 284.8 M69

62939 MORA DAVILA, N. El banco y el crédito rural. Rev. Agr. y Ganad. 13(132):27-28. Jan.1951. 9.4 R327

Colombia.

62940 MORITZ, F. L. An influence in today's agriculture is the country banker. Mo. Farmer 43(5):3,12. May 1951. 6 M696

62941 MUSTOE, N. E. Capital money for agricultural improvements. Roy. Inst. Chartered Surveyors. J. 30: 825-828. Apr. 1951. 282.9 C38J

62942 PALLASTRELLI. Agricultural credit is insufficient. (In Italian.) Glor. di Agr. 61:139. May 6, 1951. 16 H1G Italy.

62943 PRODUCTION CREDIT CORPORATION PRESENTS. Conference, Washington, D. C., March 5-8, 1951. Washington, U. S. Farm Credit Admin., 1951. 34 p. 1.955 P2C76

62944 RAJA, P. S. K. Some suggestions to the land mortgage banks. Madras J. Co-op. 42:467-469. Mar. 1951. 280.28 M26

62945 RICE, S. T. Short-term financing of commercial broiler production. J. Farm Econ. 33:248-251. May 1951. 280.8 J822

62946 ROBINSON, A. E. An agricultural bank is possible and offers farmers collective help. Straight Furrow 10(4):6-7. Feb. 1951. 281.8 St8 New Zealand.

62947 RURAL AND INDUSTRIES BANK OF WESTERN AUSTRALIA. Annual report and balance sheet for the year ended 30th September, 1950. Perth, 1951. 284.29 R88

62948 SERPIERI, A. Agricultural credit. (In Italian.) Mondo Agr. 2(13):1. Apr. 1, 1951. 16 M74 Italy.

Also in Bologna Agr. 4(7):1. Apr. 5, 1951. 16 B634

62949 TAPP, J. W. Fundamentals of financing production are a must. Pear Growers League. Annu. 1951:17, 19. 286.3939 P31

Fruit.

62950 VALDÉS FONTECILLA, M. La producción debe ser estimulada con créditos razonables, con precios justos y con libertad. Campesino [Santiago] 83(3):14-15. Mar. 1951. 9.3 Sol2 Chile.

62951 VENKATARATNAM, B. Problems of our land mortgage banks. Madras J. Co-op. 42:470-474. Mar. 1951. 280.28 M26

62952 WILLY, W. M. Country bank adjustments. (Digest.) Ark. Banker 35(2):18-20. May 1951. 284.8 Ar4

62953 WIRNSHOFER, J. Entwicklung und stand der grundverschuldung in Bayern. Bayern in Zahlen 5:18-20. Jan. 1951. 265 B34

Income

62954 ANIS, M. A. A study of the national income of Egypt. Egypte Contemporaine 261/262, 926 p. 1950. 270 Eg95

Contains a chapter on the agricultural income.

62955 BOOTH, H. A. Farm incomes. Land Agents' Soc. J. 50:199. May 1950. 282.9 L22 Great Britain.

62956 COLLISON, C. F. Wealth Belt farmers continue to line blue jeans with green stuff. Com. West 101(14, i.e. 15):28. Apr. 14, 1951. 286.8 C733

62957 CONFERENCE ON RESEARCH IN INCOME AND WEALTH. Studies in income and wealth, v. 13. New York, Natl. Bur. Econ. Res., 1951. 587 p. 284 C765 Includes data on farm income.

62958 KOFFSKY, N. M., and LEAR, J. E. Size distribution of farm operators' income in 1946. Natl. Bur. Econ. Res. Studies Income & Wealth 13:220-264. 1951. 284 C765

Discussion by H. Barger, A. R. Eckler, and C. Warburton.

62959 PEACH, W. N. The measurement of county income in Oklahoma. Sowest. Social Sci. Q. 31:267-274. Mar. 1951. 280.8 So82

62960 REID, M. G. Distribution of nonmoney income. Natl. Bur. Econ. Res. Studies Income & Wealth 13:125-185. 1951. 284 C765

Discussion by E. F. Denison.

Includes home-produced food and farmer-occupied dwellings.

62961 WASSON, R., HURWITZ, A., and SCHWEIGER, L. Field surveys of consumer income: an appraisal. Natl. Bur. Econ. Res. Studies Income & Wealth 13:482-559. 1951. 284 C765

Discussion by W. Vickrey and A. R. Eckler. Includes farm income.

Inflation

62962 BOTTUM, J. C. Inflation and what we can do about it. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers 1951:1-3. Mar. 23, 1951. 275.29 In2Em

62963 CHAPRON, C. De l'inflation à l'échelle mobile; quels objectifs poursuit la C. G. T.? Unité Paysanne 6(283):1.6. Apr. 28, 1951. 14 Un3 France.

62964 GUSLER, G. How much inflation is ahead? Nebr. Farmer 93(11):8, 43. June 2, 1951. 6 N27

Insurance

62965 ANSELMINI, A. More on the unified contributions. II. (In Italian.) Mondo Agr. 1(23):1. Dec. 3, 1950. 16 M74 Italy.

62966 BERNASCONI, G. Unified contributions in reversal. (In Italian.) Terra [Firenze] 62(12):1. Mar. 25, 1951. 16 T274

62967 BRATTON, C. A. Social security for farm workers. N. Y. Agr. Col. A. E. 765, 2 p. 1951? 281.9 C81

62968 CHILANTI, P. The insurance reform. (In Italian.) Agr. Ital. 2:177-179. Apr. 1, 1951. 16 Ag822 Social insurance.

62969 CHIOCCI, A. Suspension of the redraft of unified payments in share farming and farming. (In Italian.) Mondo Agr. 2(6):4. Feb. 11, 1951. 16 M74 Italy.

62970 DEVOTO, L. Still more on the cassation sentence on "unified contributions." (In Italian.) Informatore Agr. 7(3):2. Feb. 1, 1951. 281.8 In32

62971 GARRISON, C. S. How does social security affect the veterinarian. Fed. Vet. 8(2):4-5. Mar. 1951. 41.9 N212Na

62972 KÖSTER, A. Hab und gut richtig versichern! Hannoversche Land- u. Forstwirtschaft. Ztg. 104:276, 294. (Cont.) Mar. 24-31, 1951. 18 H194

Deals with fire insurance, crops, and equipment.

62973 MACKAY, R. L. The new social security tax affecting horsemen; when Congress increased individual and corporate taxes in September of 1950 it also broadened the Social Security Act to include farm laborers, domestics and self-employed; new provisions took effect January 1. Thoroughbred Rec. 153(22):8-9, 24. June 2, 1951. 42.8 T39

62974 PACINI, G. The dispute on unified contributions. (In Italian.) Terra [Firenze] 62(11):1. Mar. 18, 1951. 16 T274

62975 UHLIRS, J. Die land- und forstwirtschaftlichen sozialversicherungsträger. Landarb. Arch. 6:10-17. Jan. 1951. 283.8 L23 Austria.

62976 VINCENT, W. What is your policy? Mich. State Col. Agr. Ext. Mich. Farm Econ. 100:1. Apr. 1951. 275.29 M58A Insurance.

62977 WILKINSON, R. R. Crop-hail insurance—the policy and loss adjustment. Mich. State Hort. Soc. Annu. Rpt. 80:83-85. 1950, pub. 1951. 81 M58

Taxation

62978 BARBER, E. L. Taxing farm income for stability. Farm Policy Forum 4(6):23-27. June 1951. 281.8 F2274

62979 BITZER, J. Die branntweinnachsteuer von 1946 und ihre höhe seit der währungsumstellung. Branntweinwirtschaft 5:97. Mar. 25, 1951. 390.8 B7322 Germany.

62980 BITZER, J. Trinkbranntweinherstellung und zollverwaltung. Branntweinwirtschaft 5:68-69. Feb. 25, 1951. 390.8 B7322 Germany.

62981 BLANCHET, R. Bénéfices agricoles: procédure d'imposition. Rev. de Lég. Agr. 4:5-9. Jan./Feb. 1951. 281.8 R325 France.

62982 CHAMBERLAIN, R. S. The pre-conquest tribute and service system of the Maya as preparation for the Spanish repartimiento-encomienda in Yucatan. U. Miami Hispanic-Amer. Studies 10, 31 p. Jan. 1951. 280.9 M584

62983 KRAFFT, O. Über das wesen des branntweinaufschlags. Branntweinwirtschaft 5:99-102. Mar. 25, 1951. 390.8 B7322 Germany.

62984 LE CLAIR, P. La situation des agriculteurs au regard des taxes sur le chiffre d'affaires et des taxes parafiscales. Rev. de Lég. Agr. 4:9-12. Jan./Feb. 1951. 281.8 R325

62985 MEIJERS. Deductions for depreciation on agricultural lands. II. (In Dutch.) Zeeuwsch Landtbl. 39 (2058):4. Feb. 17, 1951. 12 Z2

62986 MIRÓ ESPLUGAS, M. Impuestos que gravan el consumo del vino. Cóm. Ofic. Sind. Agr. de Barcelona. B. 6:43-44. Feb. 1951. 15 C14 Spain.

62987 PETIT-LAURENT, V. S. Cultivateurs: pour payer moins d'impôts, voici comment faire, page par page. Foyer Rur. [Paris] 177(sup.), 8 p. Mar. 16, 1951. 14 F83

62988 RAINOLDI, G. Unjustified application of the property tax to agricultural leases. (In Italian.) Rass. Econ. della Prov. di Sondrio 4(1/2):15. Jan./Feb. 1951. 287 So5

62989 REHWINKEL. Steuerliche entlastung. Landwirtsch. Weser-Ems 98:339-340. Apr. 19, 1951. 18 L2345

62990 ROSENAU. Landarbeiter-wohnungsbau; steuervergünstigungen. Hannoversche Land- u. Forstwirtschaft. 104:60-61. Jan. 20, 1951. 18 H194

62991 SAILER. Erhöhte umsatzsteuer für die badische landwirtschaft. Bauern Ztg. 4(12):5. (Concl.) Mar. 22, 1951. 18 B324

62992 SEXAUER, F. H. A farmer looks at taxes. Sheep & Goat Raiser 31(8):15-16. May 1951. 45.8 Sh3

62993 SIJTSMA, P. Taxation questions. 9-10, 14, 16. (In Dutch.) Friesch Landtbl. 48:194, 214, 282, 314. Mar. 23-30, Apr. 27, May 11, 1951. 12 F91

62994 SOUZA, A. O. DE. Multiple sale taxes still. II. (In Portuguese.) Lav. Arroz. 5(51):17-20. Mar. 1951. 59.8 L39

Includes rice.

62995 STORM, E. Der steuernotstand der landwirtschaft. Hannoversche Land- u. Forstwirtschaft. Ztg. 103:960. Oct. 28, 1950. 18 H194

62996 STRUNZ, H. Steuerstrafen müssen nicht sein! Österr. Bauernbündler 7(17):4. (Concl.) Apr. 28, 1951. 19 Os7

62997 STRUNZ, H. Warum weinverbrauchsabgabe? Landwirtschaft 1951:15-16. Jan. 1951. 19 L235 Austria.

62998 TÖBLER, H. W. You may claim a tax refund. Hoard's Dairyman 96:427. May 25, 1951. 44.8 H65 Capital gains on dairy cattle.

62999 TUCCI, M. The revision of agricultural returns. (In Italian.) Mondo Agr. 2(7):1. Feb. 18, 1951. 16 M74

For taxation purposes in Italy.

63000 VOORHIS, J. Cooperatives: enemies would tax them to death. 2. Rur. Electr. 9(8):18-19. May 1951. 335.8 N21

63001 WICKHAM-BOYNTON, M. W. Agricultural taxation: with special reference to landowning companies and bloodstock farms. Land Agent's Soc. J. 49:447-454. Oct. 1950. 282.9 L22 Great Britain.

63002 WISER, R. B. Impact of taxation upon farmers. Calif. Farm Bur. Mon., North. Ed. 32(5):1, 3. May 1, 1951. 275.293 California

AGRICULTURAL LABOR AND WAGES

63003 ARMBRUSTER, L. S. On the drafting of farm boys. Sugar Beet J. 16:80. May/June 1951. 66.8 Su38

63004 BAUMGARTEN, O. Gedanken zum 1. mai 1951. Deut. Landwirt. 2:225. May 1951. 18 D4822 Labor conference.

63005 BERTSCH, M. Wasted steps. Prairie Farmer, Gen. Ed. 123(10):5, 46. May 19, 1951. 6 P883

63006 BOLGOV, A. V. The workday and its role in collective farm production. (In Russian.) In Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR, p. 272-310. Moskva, Gos. Izd-vo Polit. Lit-ry, 1951. 281.179 L31V

63007 CAESAR-WEIGEL, H. Das tagewerk der landfrau. Ed. 6, rev. & enl. Berlin, Michaelis, 1950. 396 p. 321 C11

Contains chapters on the farm family, education of women, and farm work done by women.

63008 CORT, J. C. Farmers without farms. Commonwealth 54:211-213. June 8, 1951. 280.8 C735 Problems of migratory labor.

63009 DONIA, J. The results of the agricultural laborers' law in the Province of Drenthe. (In Dutch.) Pacht 11:98-108. Apr. 1951. 282.8 P11

63010 FLORES, E. Los braceros y la política de fomento económico. Rev. de Econ. 14(2):12-15. Feb. 1951. 280.8 R3293

Problems connected with the emigration of Mexican laborers to the United States.

63011 GERIBELLO, E. P. The farm worker and the right to holidays. (In Portuguese.) Soc. Rur. Bras. Rev. 31(364):48-49. Mar. 1951. 9.2 B733

63012 GERIBELLO, E. P. The farmer and the right to holidays. (In Portuguese.) Soc. Rur. Bras. Rev. 31(365):32-33. Apr. 1951. 9.2 B733

63013 GLASOW, W. Arbeitseinsparung beim vereinzeln von zuckerrüben. Neue Mitt. f. die Landwirt. 6:276-278. May 5, 1951. 18 N39

63014 GROOT, B. C. DE. Unification of labor legislation for all of Indonesia. (In Dutch.) Bergcultures 20:121, 123, 125. (Concl.) Apr. 1, 1951. 22.5 B45

63015 HARVEY, G. R. Plan farm labor needs early. Hoosier Farmer 36(5):14. May 1951. 280.82 H76

63016 HASIWAR, H. Darkness in the valley. Amer. Fed. 58(6):23-25, 31. June 1951. 283.8 Am32

Problems involved in the importation of Mexican labor in the Imperial Valley.

63017 HOMB, T. Arbeidsforbruket i melkeproduksjonen [Labor utilization in the milk production]. Norges Landbrhøgsk. Føringforsøk Flygebl. 21:8 p. 1950. 104 N763

63018 HOMB, T. Work studies in milk production on 8 farms in eastern part of Norway. (In Norwegian.) Forsk. og Forsøk i Landbr. 1:447-471. 1950. 11 F772 English summary.

63019 INTERNATIONAL LABOUR CONFERENCE. Thirty-fourth session, Geneva, 1951; report of the Director-General; first item on the agenda. Geneva, 1951. 154 p. 283.9 In8R

Includes agricultural labor.

63020 KAAS, J. Die n.-b. landarbeitsordnung. Landwirtschaft 1951:83-84, 126-127. (Cont.) Mar.-Apr. 1951. 19 L235 Austria.

63021 KAYE, A. Labour and the farm. Anthroposophical Agr. Found. Notes & Corresp. (n.s.) 3:18. Spring 1951. 10 An8

63022 KINCAID, S. C. Lots of help. Pa. Farmer 144:427, 460. May 26, 1951. 6 P383

Prison labor on the Allegheny County Workhouse Farm as described by the farm manager.

63023 KOCH, H. Was will die Jugendhilfe Land? Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:13-15. Feb. 1951. 18 N11 Germany.

63024 KREHER, G. Termine, zeitspannen und arbeitsvoranschläge in der nordwestdeutschen landwirtschaft. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 10, 84 p. 1950. 18 K96

63025 LABOR-MANAGEMENT RELATIONS. Farm labor; list of selected readings for high school students and teachers, Urbana, U. Illinois, 1950. 6 p. v. 3, No. 3, Nov. 1950. 241.3 L11

63026 LARIONOV, G. Engineer Kovalev's method in agriculture [for increasing labor productivity]. (In Russian.) Mashinno-Traktornaf Sta. 10(12):1-6. Dec. 1950. 58.8 M11

63027 LENTZ, J. H. Arbeitswirtschaft in der landwirtschaft. Hannoversche Land- u. Forstwirtschaft. Ztg. 104:64-65. Jan. 20, 1951. 18 H194

63028 MANICACCI, J. Le problème des salaires à Madagascar. Marchés Colon. 7:812-814. Mar. 24, 1951. 286.8 M33

63029 MARYLAND. DEPT. OF EMPLOYMENT SECURITY. DIV. OF EMPLOYMENT SERV. The Maryland farm labor program, 1948-1949. Baltimore, 1950. 32 p. 283 M3632

63030 MATTHEIS, E. W. Let's fix a rate schedule for custom work! N. J. Farm & Gard 22(5):18, 81. May 1951. 6 G162

63031 MEDICI, G. Relations between occupational distribution of population, average per capita income, and agricultural unemployment. (In Italian.) Riv. di Econ. Agr. 6:32-70. 1951. 281.8 R52 English summary.

Italy.

63032 MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION DIV. A recommended program for the Michigan Extension Service in the field of farm labor. Washington, U. S. Ext. Serv., 1951. 10 p. 1.913 S2R24

63033 MOORE, C. B. Mexican labor. West. Grower & Shipper 22(7):8, 11, 14-15. June 1951. 280.38 W52

63034 MORKOVIN, N. V pomoshch' brigadiru traktornoi brigady [An aid for the worker of the tractor brigade]. Novosibirsk, Novosibirskoe Obl. Gos. Izd-vo, 1950. 61 p. (Biblioteka Mekhanizatorov v Polevodstve) 283 M822

63035 OXFORD UNIVERSITY. AGRICULTURAL ECONOMICS RESEARCH INSTITUTE. Manpower in agriculture. Westminster Bank Rev. 1951:17-19. May 1951. 286.8 W52

- 63036 PAGANI, A. The labor system in Alfonsine. (In Italian.) *Mondo Agr.* 1(25):3. Dec.17,1950. 16 M74
- 63037 PATERSON, R. What is the real cost of labour [Great Britain]? *Farmers Wk.* [London] 34(21):63. May 25,1951. 10 F2226
- 63038 PIERSON, D. Division of labor in a rural community of Sao Paulo. (In Portuguese.) *Observador Econ. e Financ.* 16(181):78-81. Feb.1951. 280.8 Ob72
- 63039 RINTELEN, P., and POTTHOFF, H. Untersuchungen über den arbeitseinsatz und die arbeitsleistung der frau in bäuerlichen betrießen von Westfalen und Lippe. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:669-670,705-706. May 3-10,1951. 18 L2346
- 63040 ROS MARINE, M. La cuestion social en el campo; el trabajador y el salario en la agricultura. *Cám. Ofic. Sind. Agr. de Barcelona. B.* 6:35-37. Feb.1951. 15 C14 Spain.
- 63041 ROSE, O. S. The reduction of spring labour in sugar beet. *Agr. Mach. J.* 5(4):42,44. Apr.1951. 58.8 Ag86
- 63042 SCHUMACHER. Zum neuen melkertarif. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:585. Apr.19,1951. 18 L2346 Wage agreements.
- 63043 SEISE, A. Investigation of labor standards and cost of culture and harvesting of sugar beets. (In Swedish.) *Lantarbetsgivaren* 1950(6):6-7. Nov.1950. 20 L292 Finland.
- 63044 SHOTWELL, L. R. On behalf of young migrants. *Survey* 87:162-164. Apr.1951. 280.8 C37
- 63045 STARK, D. To have and to hold—migrant labor. *Mich. Farmer* 215:445. May 19,1951. 6 M58
- 63046 STRANTZ, A. VON. Der arbeitsplan. *Land-frauenarbeit* 1951:57-58. Feb.24,1951. 18 L2347
- 63047 STRÖHLE, G. Fremde arbeitskräfte? *Land-frauenarbeit* 1951:25-27. Jan.27,1951. 18 L2347 Germany.
- 63048 TERÁEVA, A. P. Socialist organization and payment of labor on collective farms. (In Russian.) In *Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR*, p.311-352. Moskva, Gos. Izd-vo Polit. Lit-ry, 1951. 281.179 L31V
- 63049 TOLBERT, W. H. Today's labor problems. (Condensed.) *Calif. Citrog.* 36:333-335. June 1951. 80 C125
- 63050 U. S. BUR. OF EMPLOYMENT SECURITY. SPECIAL FARM LABOR COMMITTEE. Minutes and recommendations, defense planning meeting, September 26-27, 1950. Washington, 1950? various pagings. 158.31 M66
- 63051 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Impact of military inductions upon agriculture. Hearings, 82d Cong., 1st sess. on the manpower situation as it affects agriculture, February 26, 27, and 28, 1951. Washington, 1951. 126 p.
- 63052 U. S. FARM PLACEMENT SERV. Guide to seasonal farm work areas in the Eastern Seaboard States. Rev. Washington, 1951. folder. 158.31 G942
- 63053 URTUBEY, R. El movimiento confederado, la Comisión Nacional de Trabajo Rural y los salarios para la campaña agrícola 1950-51. Buenos Aires y La Pampa 108:7,9-13. Feb.1951. 9 B868
- 63054 VINING, K. Help's scarce: poultrymen have to cut corners so one man can do work of two. *Prairie Farmer*, Mich. Ed. 123(7):65-66. Apr.7,1951. 6 P883A
- 63055 WADSWORTH, V. W. Native labour in agriculture. *Rhodesia Agr. J.* 47:486-493. Nov./Dec.1950. 24 R34 Labor use and mechanization on farms in the maize-growing areas, Southern Rhodesia.
- 63056 WISER, R. B. Hay-baling "ain't" farming! Or is it? *Calif. Farm Bur. Mon.* 32(4):8. Apr.1,1951. 275.293 California
- 63057 WRANGEL, E. GRÄFIN. Frauenarbeit und beratung in den bäuerlichen familienbetrieben. *Landfrau-enarbeit* 1951:49-50. Feb.17,1951. 18 L2347 Germany.
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS**
- 63058 ANDALO, G. New paths. (In Italian.) *Mondo Agr.* 2(16):1-2. Apr.22,1951. 16 M74 Italian agricultural policy.
- 63059 ANNUARIO generale dell'agricoltura italiana [General yearbook of Italian agriculture], 1951. Roma, 1950. 281.8 An72 Contains lists of organizations, statistics, and legal provisions.
- 63060 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCIÓN GENERAL DE FOMENTO AGRÍCOLA. Labor en el año 1949. Argentina. Dir. Gen. de Fomento Agr. B. de Prod. y Fomento Agr. 2(18):11-30. (Concl.) Dec.1950. 9 Ar35
- 63061 ARTAUD. Refrain. *Terre d'Oc* 33:155-157. May 1951. 14 Ar5 Production of fuel alcohol as a means of adjusting the various problems of agriculture.
- 63062 AUDIDIER, L. Faut-il accroître la productivité? *Potasse* 25:42-44. Mar.1951. 57.8 P84 Policy for France.
- 63063 BANDINI, M. The European agricultural situation: productive capacity. (In Italian.) *Glor. di Agr.* 61:121. Apr.22,1951. 16 It1G
- 63064 BAUER. Osterwünsche der bauernschaft. *Burgeländische Bauernbündler* 4(7):1-2. Mar.24,1951. 19 B91 Agricultural policy.
- 63065 BÉRARD, H. Le problème agricole du ravitaillement des populations dans l'extrême Sud de Madagascar. *Agron. Trop.* 6:146-162. (To be cont.) Mar./Apr.1951. 26 Ag86 Installment discusses geographic conditions in agriculture.
- 63066 BERESFORD, J. T. Wanted: new expansion programme; Livestock Rearing Act only first step towards security against hunger. *Farmer & Stock-Breeder* 65(3210):39,41. May 1,1951. 10 F228 In Great Britain.
- 63067 BERTHAULT. La situation agricole en Algérie. *Inform. Marocaine* 529:1,6. Mar.3,1951. 281.8 In3
- 63068 BERTUZZI, A. Industrialization of the South on an agriculture base. (In Italian.) *Colt. e Glor. Vinc.* Ital. 97:38-39. Feb.15,1951. 16 C72
- 63069 BEST, B. Southeast Missouri, a bootheel that isn't buried in the mud. *Mo. Col. Farmer* 43(6):6-7. Mar.1951. 6 M691 Farming in the area.
- 63070 BLETON, C. Agriculture en Chaouia. *Chambre d'Agr. de Casablanca. B.* 22(240):3-5. Apr.1951. 24 C26
- 63071 BOGER, L. L. Bright outlook for agriculture during the next 10 years. *Capper's Farmer* 62(6):19, 72-73. June 1951. 6 M693
- 63072 BOOTH, J. F. Canadian agriculture at the middle of the century. *Econ. Annal.* 21:53-58. June 1951. 281.8 Ec72
- 63073 BOREL, A. La future législation agricole suisse. *Soc. Belge d'Etudes et d'Expansion. B. Bimes.* 145:355-360. Mar./Apr.1951. 280.8 So17
- 63074 BRAUMANN, F. Der ackerbau, die mutter aller künste. *Kärntner Bauer* 101:238-239. May 1,1951. 19 K14 Literary quotations on agriculture.
- 63075 BRIMELOW, T. Cuba; economic and commercial conditions in Cuba. London, Board of Trade, 1950. 89 p. (Overseas Econ. Surveys.) 254.8 C8952 Includes agriculture.
- 63076 BRISEBOIS, D. Ressources—possibilités—orientation agricole. *Liberation Paysanne* 8(312):5-7. May 17,1951. 14 L61 France.
- 63077 BROWN, H. Progress farm folks planned. *Prog. Farmer*, Ga.-Ala.-Fla. Ed. 66(6):16. June 1951. 6 P945G Farm program in Walker County, Georgia.
- 63078 BUHLE. Mehr erzeugen—sicherer leben! Eindrücke von der internationalen landwirtschaftlichen tagung in Bonn. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:727-728. May 17,1951. 18 L2346
- 63079 BUTTERWORTH, C. E. Good prospects ahead for Ethiopia as development plans proceed. *Foreign Trade* 9:874-875. May 19,1951. 286.8 C162 Agricultural.
- 63080 CASTAGNA, R. El Perú en su economía y en su industria. *Indus. y Quím.* 13:8-15. Mar.1951. 385 In28 Includes discussion of agriculture.
- 63081 CHAPMAN, P. W. Luxuriant Louisiana, out-gaining the Nation in diversified agriculture, business, and industry. *Prog. Farmer*, Miss.-Ark.-La. Ed. 66(5):46,49,51-52. May 1951. 6 So81
- 63082 CHICAGO. UNIVERSITY. GRADUATE LIBRARY SCHOOL. LIBRARY CONFERENCE. Bibliographic organization; papers presented before the fifteenth annual Conference of the Graduate Library School, July 24-29, 1950. Chicago, U. Chicago Press, 1951. 275 p. (The U. Chicago Studies Libr. Sci.) 240 C43 Partial contents: The preparation of the Bibliography of Agriculture, by M. C. Schindler.

- 63083 CHOQUETTE, C. Abitibi, terre d'abondance. *B. des Agr.* 47(4):16-17, 86. Apr. 1951. 7 B872 Agriculture.
- 63084 CLOUSTON, D., and JAMIESON, G. J. More food from the hills. *Roy. Highland & Agr. Soc. Scot. Trans.* (ser.5)62:30-45. 1950. 10 H536 Productive capacity and policy for agriculture.
- 63085 CONNELL, C. G. Recent changes in the law of Scotland affecting agriculture and the law of landlord and tenant. *Roy. Highland & Agr. Soc. Scot. Trans.* (ser.5)62:17-29. 1950. 10 H536
- 63086 CUMMINGS, G. La agricultura, clave del bienestar de los pueblos. *Ceres* [Valladolid]16(178):17. Apr. 1, 1951. 15 C33 suppl. Agricultural policy and mechanization in Great Britain.
- 63087 DEGRAFF, H. The food needs of the country and the public relations of agriculture. *Metrop. Milk Prod. News* 11(5):2,8. (To be cont.) May 1951. 280,28 M56
- 63088 DORION, P. A. L'île d'Orléans. *Foyer Rur.* [Montreal] 10(6):6-7. Mar. 1951. 7 F83 Agricultural.
- 63089 DØSSING, P. Productiveness of Danish agriculture. (In Danish.) *Tolvmandsbladet* 23:87-96. Apr. 1951. 11 T58
- 63090 DYES, E. Baldwin County's perpetual harvest. *Ala. Farmer* 30(5):7-8. Feb. 1951. 276,8 AL1
- 63091 L'ECONOMIE luxembourgeoise en 1950. Luxembourg. *Serv. d'Études et de Doc. Econ. et Off. de la Statis. Gén. B.* 1:219-276. Oct./Dec. 1950. 258 L972B Includes agriculture.
- 63092 EDWARDS, L. Our food from farm to table. Ed. 2, rev. London, Methuen, 1951. 72 p. 32 Ed9
- 63093 FELLNER, C. DE. Some problems of Greek agriculture. *World Crops* 3:211-214. June 1951. 281,8 W892
- 63094 FERGUSON, F. Have you weighed your farm lately? *Mich. Farmer* 215:397,437. May 5, 1951. 6 M58 Balanced farming.
- 63095 FITE, G. C. The agricultural issue in the presidential campaign of 1928. *Miss. Val. Hist. Rev.* 37:653-672. Mar. 1951. 134,8 M69 Government aid to agriculture.
- 63096 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. UNITED KINGDOM. Report to the food and agriculture organisation by the United Kingdom for 1949-50. London, 1950. 116 p. 389,9 G795
- 63097 FORESTIER, R. Nouvelle orientation de la politique agricole des États-Unis. *France. Min. de l'Agr. Rev. Études & Monog.* 55:33-37. Feb. 1951. 281,8 F84
- 63098 FORGET, M. J. L'agriculture belge en présence des problèmes internationaux. *Rev. de l'Agr.* 4:379-405. Apr. 1951. 13 R322 English summary.
- 63099 FRANCE. DIRECTION DE LA DOCUMENTATION. L'équipement de l'Afrique Occidentale Française. *France. Dir. de la Doc. Notes et Études Doc.* 1462,110 p. Apr. 11, 1951. 280,9 F843 Discusses the agricultural program.
- 63100 FRANCE. DIRECTION DE LA DOCUMENTATION. La Nouvelle-Zélande. 1. *France. Dir. de la Doc. Notes et Études Doc.* 1471,24 p. Apr. 26, 1951. 280,9 F843 Includes agriculture.
- 63101 FRANCE. DIRECTION DE LA DOCUMENTATION. La situation économique et la mise en valeur de l'Afrique Équatoriale Française. *France. Dir. de la Doc. Notes et Études Doc.* 1461,66 p. Apr. 9, 1951. 280,9 F843 Contains chapters on agriculture, forestry, prices, and wages.
- 63102 FRIEDMANN, G. How to improve the lot of our mountain areas. (In Italian.) *Italia Agr.* 88:191-198. Apr. 1951. 16 It1
- 63103 FRIENDS COMMITTEE ON NATIONAL LEGISLATION. American surpluses in a hungry world; a report of an agricultural seminar. Washington, 1950. 47 p. 281,12 F91 American Friends Service Committee, joint author. Agricultural policy.
- 63104 GIST, N. P., and others. Missouri, its resources, people, and institutions. Columbia, Curators U. Missouri, 1950. 605 p. Ref. 280,047 G44 T. C. Morelock, C. M. Tucker, and W. F. English, joint authors. Includes agriculture.
- 63105 GRAEBNER, N. A. Point Four and East Asia. *Farm Policy Forum* 4(5):16-20. May 1951. 281,8 F2274
- 63106 GT. BRIT. CHANCELLOR OF THE EXCHEQUER. Economic survey for 1951. London, 1951. 46 p. 280,171 G791 Includes agriculture.
- 63107 GT. BRIT. COLONIAL DEVELOPMENT CORPORATION. Report and accounts for 1950. London, 1951. 62 p. 280,9 G7933 Agricultural.
- 63108 GRENIUK, P. Review of Polish agricultural literature. (In Czech.) *Interagra* 4:514-536. 1950. 28 In825 English summary.
- 63109 GROOT, D. A. DE. Agriculture in America. (In Dutch.) *Groninger Landtbl.* 29(17):11-12. Apr. 28, 1951. 12 G892
- 63110 GUERIN, D. Agriculture et capitalisme aux États-Unis. Paris, 1951. 281,12 G93 Les Temps Modernes. Paris. année 6, no. 63, jan. 1951, p. 1258-1283; année 6, no. 64, fév. 1951, p. 1418-1441.
- 63111 HAMBIDGE, G. The fourth point is peace. *Farm Policy Forum* 4(5):14-16. May 1951. 281,8 F2274 The Point Four Program.
- 63112 HERMES, A. Bundesregierung und landwirtschaft. *Landpost* 5(11):1-2. Mar. 17, 1951. 18 L2348 Germany.
- 63113 HEROLD, H. Bäuerliche handelsgenossenschaften und fünfjahrplan. *Versorgung* 5:54-56. Mar. 1951. 280,8 V61 Provision of supplies to farmers by the Vereinigung der Gegenseitigen Bauernhilfe (Bäuerliche Handelsgenossenschaften e. G.), in the Russian Zone of Germany.
- 63114 HILL, H. K. Balanced higher production. *Mktg. Activ.* 14(2):3-5. Feb. 1951. 1,942 A8M34
- 63115 HOBSON, K. Keeping up on the farm outlook. *Wash. State Col. Ext. C.* 189,6 p.-folder. Apr. 26, 1951. 275,29 W27C
- 63116 HOFFMAN, H. T. Economic progress of Venezuela. *Vital Speeches* 17:502-512. June 1, 1951. 280,8 V83 Includes agricultural planning.
- 63117 HOMAN, J. L. Europese landbouwpolitiek; 2^e rapport ingediend bij de Europese Beweging [European agricultural policy; 2d report presented before the European Movement]. Assen, Van Gorcum, 1951. 80 p. (Practische Onderzoekingen op Sociaal-Economisch en Planologisch Gebied. Z 1) 281,17 H75
- 63118 HOOD, G., and others. Agriculture in Oregon's coastal and Lower Columbia counties. *Oreg. Dept. Agr. Agr. B.* 169:3-10. Mar. 1951. 2 Or3 W. G. Nibler, G. H. Jenkins, R. M. Knox, G. Thompson, and H. G. Smith, joint authors.
- 63119 HOWALD, O. Bauernpolitik und bauernkultur. *Agrarpolit. Rev.* 7:258-273. Mar. 1951. 281,8 Ag824 Switzerland.
- 63120 ILLANES ABBOTT, E. Nos falta sólo aprovechar lo que Dios nos dejó en exceso en este clima maravilloso. *Campesino* [Santiago] 83(3):33,35. Mar. 1951. 9,3 So12 Aspects of Chilean agriculture.
- 63121 INSTITUTE OF INTER-AMERICAN AFFAIRS. Action techniques for aiding small farms. *Inter-Amer. Conf. Agr. U. S. Paper* 16,20 p. Dec. 1950. 5 In820A
- 63122 ITALY. COMITATO PER LA DIVULGAZIONE DEL PIANO MARSHALL. Manuale dell'agricoltore [Farmer's manual]. Roma? 1950? 32 p. (Che cos'è l'E.R.P., 2.) 281,176 It13
- 63123 JAKHADE, V. M. Food production in Murbad Taluka. I. Reserve Bank India. *B.* 5:11-30. (To be cont.) Jan. 1951. 284,9 R31B A survey of agriculture.
- 63124 JORDAN, A. A visit to the new Czechoslovakia. *Interagra* 4:506-507. 1950. 28 In825 Agricultural observations.
- 63125 KARAVAEV, A. A. Triumph of the collective farm system and advancement of agriculture in U. S. S. R. (In Russian.) In *Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR*, p. 45-106. Moskva, Gos. Izd-vo Polit. Lit-ry, 1951. 281,179 L31V
- 63126 KARNAUKHOVA, E. S. Distribution of socialist agriculture. (In Russian.) In *Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR*, p. 398-453. Moskva, Gos. Izd-vo Polit. Lit-ry, 1951. 281,179 L31V
- 63127 KASCH, W. Die natürlichen anbaubereiche der Deutschen Demokratischen Republik u. die den anbau bedingenden natürlichen faktoren. *Deut. Landwirt.* 2:254-259. May 1951. 18 D4822
- 63128 KEYSER, J. S. La politique agricole et le crédit à l'agriculture. (In Dutch.) *Econ.-Statis. Ber.* 36:332-333. May 2, 1951. 280,8 Ec722 French summary, p. 331. Netherlands.

- 63129 KIND, W. Rationalisierung-eine notwendigkeit für die deutsche landwirtschaft. Agrarpolit. Rev. 7:312-314. Mar.1951. 281.8 Ag824
- 63130 KING, L. T. Our changing South. Commonweal 54:231-232. June 15,1951. 280.8 C735 Agricultural.
- 63131 KINNERSLEY, D. J. Agricultural development in France. Westralian Farmers Co-op. Gaz. 20:155-157, 159. Mar.1951. 280.28 W522
- 63132 KOLEHMAINEN, J. I. Haven in the woods; the story of the Finns in Wisconsin. Madison, State Hist. Soc. Wis., 1951. 177 p. Ref. 138 K83 Includes discussion of agriculture and farming.
- 63133 KONCZEWSKI, C. L'agriculture danoise. Agr. Prat. 115:251-252. May 1951. 14 J82
- 63134 KRAMER, M. Die landwirtschaft in der Sowjetischen Besatzungszone; produktionsmöglichkeiten und produktionsergebnisse. Bonn, Bundesministerium für Gesamtdeutsche Fragen, 1951. 78 p. 281.175 K863
- 63135 KRIEGER, F. Allgäuer alpwirtschaft, einst und jetzt. Kempten, Volkswirtschaftlicher Verlag, 1950. 52 p. 33.27 K89
- 63136 KÜBEL-SCHLITZ. Agrarpolitik in der wende. Deut. Landwirt. Presse 74:99. Apr.21,1951. 18 D482
- 63137 LEVIE, E. L. Agricultural production and saving. Agr. Econ. 2(4):22-24. Dec.1950. 281.8 Ag832 Agricultural policy for Israel.
- 63138 LIBBY, W. C. Aroostook has a future. M. P. G. News 5(9):5-6. Apr.1951. 75.8 M11 Agricultural.
- 63139 LOPEZ, F. The [Philippine] Government's five-year program of agricultural and economic development. Agr. & Indus. Life 13(3):4-5, 20-21, 31. Mar.1951. 25 Ag8
- 63140 MCCONKEY, O. M. Agriculture in Korea. Farmer's Mag. 48(2):9, 62-63. Feb.1951. 7 C165
- 63141 MCCORMICK, C. J. How mobilization affects the farmer. Washington, U. S. D. A., Off. Sec. 1951. 18 p. 1.91 A2M132 Talk at meeting of State Extension and Experiment Station Editors, Washington, D. C., May 7, 1951.
- 63142 MCCULLOUGH, W. B. Argentina initiates three-year plan to encourage agriculture. Foreign Trade 9:794-797. May 12, 1951. 286.8 C162
- 63143 MCFALL, J. R. New Alberta laws of concern to farmers. West. Farm Leader 16:146. May 18, 1951. 280.28 W52
- 63144 MACFARLANE, D. L. Agriculture and defence. Canad. Countryman 40(1):5, 34. Ref. Jan.13, 1951. 7 C833 Farm situation.
- 63145 MACFARLANE, D. L. A review of Canadian farm policy. Farm Policy Forum 4(5):5-8. May 1951. 281.8 F2274
- 63146 MAIER-BODE, F. W. Erfüllt die deutsche landwirtschaft ihre pflicht? Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:583-584. Apr.19, 1951. 18 L2346 Productive capacity.
- 63147 MAIER-BODE, F. W. Zusammenfassungen und schlussfolgerungen der internationalen landwirtschaftstagung in Bonn. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:729-730. May 17, 1951. 18 L2346
- 63148 MARASSI, A. The Peruvian East and the Tingo Maria Agricultural Experiment Station. (In Italian.) Riv. di Agr. Subtrop. e Trop. 45(1/3):62-84. (To be cont.) Jan./Mar.1951. 26 Ag82
- 63149 MAYCOCK, S. A., ed. The smallholder encyclopaedia. New ed. London, Pearson, 1950. 776 p. 30.1 M45
- 63150 MEZERIK, A. G. The pursuit of plenty; the story of man's expanding domain. New York, Harper, 1950. 209 p. 280.12 M57P Natural resources utilization; contains scattered references to agriculture.
- 63151 MILLER, H. I. Agriculture's responsibilities in national defense. Soeast. Poultryman 4(4):5, 22-25. Apr.1951. 47.8 So872 Also in Va. Poultryman 5(4):5, 22-25. Apr.1951. 47.8 V812
- 63152 MOLTCHANOVSKY, V. Deux problèmes fondamentaux de l'agriculture soviétique. Agence France-Presse. Inform. et Doc. 333:24-25. Mar.3, 1951. 280.9 Ag3
- 63153 MORGANDO, A. Agricultural production in Piedmont in 1950. (In Italian.) Colt. e Gior. Vinic. Ital. 97:53-54. Feb.28, 1951. 16 C72
- 63154 NEUMARK, D. The importance of agriculture in Caribbean economy. (Extr.) Caribbean Comn. Mon. B. 4:635-640. Jan.1951. 280.9 C19
- 63155 NEW ZEALAND. (In Dutch.) Groninger Landtbl. 29(11):2;(12):12. Mar.17-24, 1951. 12 G892 Agriculture.
- 63156 NOBLE, T. A. F. The economic development of the Highlands. Manchester Sch. Econ. & Social Studies 19:190-211. May 1951. 280.8 M313 Problems of Scottish agriculture.
- 63157 OERTZEN, VON. Agrarprogramm und frühjahrsbestellung. Deut. Landwirt. Presse 74:83. Mar.17, 1951. 18 D482
- 63158 O'FAOLAIN, S. A new life for old Calabria. Commonweal 54:139-141. May 18, 1951. 280.8 C735 Agricultural rehabilitation of the region.
- 63159 OPASO, V. Ha carecido la agricultura de una protección semejante a la otorgada a la industria. Campesino [Santiago] 83(3):36-37. Mar.1951. 9.3 So12 Chile.
- 63160 OSSA, R. La producción agrícola no puede seguir soportando por más tiempo un clima de inseguridad. Campesino [Santiago] 83(3):11, 13. Mar.1951. 9.3 So12 Chile.
- 63161 PARKS, W. R. Political and administrative guide-lines in developing public agricultural policies. J. Farm Econ. 33:157-168. May 1951. 280.8 J822
- 63162 PARSONS, F. L. Looking ahead in farming for the next 20 years. Farm Policy Forum 4(6):5-8. June 1951. 281.8 F2274
- 63163 PATTON, J. G. Agriculture's goal: full production. Farm Policy Forum 4(5):24-27. May 1951. 281.8 F2274
- 63164 PENNSYLVANIA. DEPT. OF AGRICULTURE. Directory of information. Pa. Dept. Agr. B. 636, 35 p. May/June 1951. 2 P38B List of publications and directory.
- 63165 PERNOLL, E. Die deutsche landwirtschaft beim bundeskanzler. Landpost 5(8):5. Feb.24, 1951. 18 L2329
- 63166 PETRICEVIC, J. Zur produktivitätssteigerung in der schweizerischen landwirtschaft. Agrarpolit. Rev. 7:274-282. Mar.1951. 281.8 Ag824
- 63167 PETROCCHI, C. Controllers and controlled. (In Italian.) Mondo Agr. 2(8):1-2. Feb.25, 1951. 16 M74 Italy.
- 63168 PFLIMLIN, P. Le vote des crédits affectés à l'agriculture. (Extr.) France. Min. de l'Agr. B. d'Inform. (n.s.):155-A-A5. Dec.25, 1950/Jan.1, 1951. 281.9 F843 French agricultural policy.
- 63169 PHILLIPS, R. W. Essential steps in national agricultural development. (Sum.) In U. S. Extension Serv. Conference report on Extension experiences around the world, p.6-7. Washington, 1951. 1 Ex892C
- 63170 PLUYGERS, L. A. The economic aspect of nature protection in Indonesia. Econ. Rev. Indonesia 5: 12-14. Jan./Mar.1951. 280.8 Ec725 Outlook for agricultural production.
- 63171 POE, W. D. South Carolina's fourfold pattern of progress; a dynamic combination of agricultural, industrial, and educational advances promises balanced prosperity for the Palmetto State. Prog. Farmer, Carolinas-Va. Ed. 66(5):15, 106. May 1951. 6 P945
- 63172 RABITSCH, J. Bayern, Deutschlands agrarland. In Ernährungsdienst. Festschrift zum 2. Deutschen Getreidehandelstag, p.20, 22. Hannover, 1951. 286.359 Er6
- 63173 RENNE, R. R. Montana agriculture in the next half century. Mont. Farmer - Stockman 38(16):1, 8, 16. Apr.15, 1951. 6 M764
- 63174 RIGGS, F. W. The economics of Red China. Foreign Policy Rpts. 27:62-71. June 1, 1951. 280.9 F76R Problems of agriculture.
- 63175 ROBERTS, N. S. Sweden; economic and commercial conditions in Sweden. London, Board of Trade, 1950. 143 p. (Overseas Econ. Surveys) 257.3 G79 Includes agriculture and agricultural products.
- 63176 RÖMCKE-MOE, G. Production development in agriculture. (In Norwegian.) Tidsskr. f. det Norske Landbr. 1950:278-306. Nov./Dec.1950. 11 T433 Includes discussion.
- 63177 RONCHI, V. Italian agricultural production in relation to world production. (In Italian.) Mondo Agr. 2(16):5-6. Apr.22, 1951. 16 M74
- 63178 SACCO, P. Present aspects of Valle d'Aosta agriculture and livestock. (In Italian.) Mondo Agr. 1(23): 5. Dec.3, 1950. 16 M74
- 63179 SACCO, T. Who are the grantees of Somali-land? (In Italian.) Riv. Ital. Essenze, Profumi, Piante Officinali-Olii Veg., Saponi 33:70-71. Feb.15, 1951. 308.8 R52 Includes discussion of agriculture.

63180 SALLER, R. Le redressement du Plan d'Outre-Mer. II. La production agricole. Marchés Colon. 7:757-759. Mar.17,1951. 286.8 M33

63181 SCHENCK, H. E. Agriculture in our modern economy. (Sum.) Chemurg. Digest 10(6):14-15. June 1951. 381 N213Na

63182 SCHILL, L. Was war und was ist "Rhöndorf"? Bauern-Ztg. 4(15):1-2. Apr.13,1951. 18 B324
Observations on agricultural policy.

63183 SCHMIDT BARRIOS, E. Campaña de recuperación agrícola. Agrario 15(420):3-4. Jan.1951. 9.8 Ag85 Chile.

63184 SCHWARTZ, H. Russia's Soviet economy. New York, 1950. 592 p. (Prentice-Hall Econ. Ser.) 280.179 Sch9R

Contains chapters on agriculture.

63185 SILVEIRA, J. C. DA. Aspects of agricultural activity in Angola and Mozambique. (In Portuguese.) Agros [Lisboa] 34:109-118. Jan./Feb.1951. 15.5 Ag82

63186 SODRÉ, N. W. Regional study: the Missões region. (In Portuguese.) Observador Econ. e Financ. 15(180):33-41. Jan.1951. 280.8 Ob72
Includes agriculture.

63187 SOMMERAUER, W. Betriebswirtschaftliche Auswirkungen und Erfolg der Bodenmellorationen in einer Gemeinde des Aargauer Tafeljuras. Landwirt. Jahrb. der Schweiz 56:1-137. Ref. 1951. 71 L23
Aspects of an agricultural program.

63188 SPARKMAN, J. J. A farmer speaks to the United Nations. Town & Country Church 70:8-10. Apr. 1951. 281.28 T66
On agriculture.

63189 STANER, P. Cultures obligatoires. Soc. Belge d'Etudes et d'Expansion. B. Bimes. 145:242-248. Mar./Apr.1951. 280.8 So17
Belgian Congo.

63190 SUTTER, R. DE. Evolution de la productivité de l'agriculture belge. Rev. de l'Agr. 4:156-166. Feb. 1951. 13 R322
English summary.

63191 TORRES FILHO, A. Our agriculture. (In Portuguese.) Lavoura 54:35-38. Sept./Oct.1950. 9.2 L39 Brazil.

63192 UNION OF SOUTH AFRICA. DEPT. OF AGRICULTURE. DIV. OF ECONOMICS AND MARKETS. Agro-economic survey of the Union. (IV). (Diversified farming areas east of the Drakensberg Range). Union So. Africa. Dept. Agr. B. 309,120 p. 1950. 24 So84P

63193 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. World economic report 1949-50; preliminary edition. New York, 1951. 392 p. 280.9 Un3656
Includes agriculture and trade.

63194 VIA, M. G. 1942 is here again for farmers. South. Banker 95(4):64-65. Apr.1951. 284.8 So8
Situation and outlook in agriculture.

63195 VISCO, S. Agriculture and nutrition in Italy. (In Italian.) Quaderni della Nutr. 11:97-132. Ref. Apr. 1950. 389.8 Q2
English summary.

63196 WATSON, SIR J. S. Pressure of population on land resources. Gt. Brit. Min. Food. B. 592,20 p. Mar. 31,1951. 389.9 G79B

63197 WHITBY, H., and BEILBY, O. J. The agricultural output of Scotland. Scot. Dept. Agr. Scot. Agr. Econ. 1:7-12. 1950. 281.9 Sco3S

63198 WIBBERLEY, G. P. Changes in agriculture and their effect on the countryside. Land Agents' Soc. J. 49: 490-508. Nov.1950. 282.9 L22

Includes changes in land use in Great Britain.

63199 WIELEN, H. G. W. V. D. Maintenance of the peasantry. I. (In Dutch.) Gelders Landbbl. 14(13):5. Mar.31,1951. 12 G282
Europe.

Subsidies

63200 BLONDELLE, R. Ristournes, subventions—et poudre aux yeux. Bas-Rhin Agr. 19:213-214. May 12, 1951. 14 B29

Subsidies and prices.

63201 LIEBSCHER, H. Benötigen wir ein naturkatastrophen-beihilfengesetz? Kärntner Bauer 101:237. May 1,1951. 19 K14

63202 SAAR, J. Das Prinzip des milchwirtschaftlichen Ausgleichswesens. Kärntner Bauer 101:241-242. May 1, 1951. 19 K14

Milk equalization fund.

COST AND STANDARD OF LIVING

63203 LERA DE ISLA, A. La elevación del nivel de vida en el agro. Ceres [Valladolid] 16(178):31. Apr.1, 1951. 15 C33 suppl.
Spain.

63204 MAZZOCCHI-ALEMANNI, N. The problem of the "Caves" of Matera approaches a definitive solution. (In Italian.) Agr. Ital. 2:171-176. Apr.1,1951. 16 Ag822
Living conditions of rural population in homes hewn from the rock.

63205 TERRA, G. J. A. The standard of living in the Tropics. (In Dutch.) Landbouw [Bogor] 22:275-302. Ref. July/Sept.1950. 22.5 L23
English summary.

63206 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Economic problems families are facing. Washington? 1951. 1 p. 1.982 A2Ec72
Living costs.

FARM MANAGEMENT AND LAND ECONOMICS

63207 ABRAMOV, V. A. Construction of machine-tractor stations and their role in strengthening the collective farms. (In Russian.) In Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR, p.159-217. Moskva, Gos. Izd-vo Polit. Lit-ry, 1951. 281.179 L31V

63208 ANDERSON, J. R. Vocational rehabilitation of disabled veterans. Va. Agr. Col. Ext. Va. Farm Econ. 126:7-8. Feb.1951. 275.29 V813
As farmers.

63209 BAUM, E. L., and WALKUP, H. G. A further comment on profit maximization in fryer production. J. Farm Econ. 33:259-261. May 1951. 280.8 J822
Includes costs and returns.

63210 BAZEMORE, G. M. What an outside farm and ranch program can do for your bank. Atlantic Coast Line Agr. & Livestock Topics 3(4):1-4. Apr.1951. 6 At63

63211 BELL, R. E. La buena administración de las tierras públicas ayuda a la economía de los Estados Unidos. Res 19:25891. Apr.20,1951. 286.85 R31

63212 BERENDES, P. Grundsätzliches zum leistungvermögen. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A: 695-696. May 10,1951. 18 L2346
Management and production costs.

63213 BERNASCONI, G. Share farming crises. (In Italian.) Terra [Firenze] 62(20):1. May 20,1951. 16 T274
Italy.

63214 BLISS, R. K. Conservation farming will produce more food. Iowa State Watersheds B. 1(12):3-4. Apr.1951. 290.8 Io9

63215 BLOUNT, W. P. The economics of an English breakfast. Progress [London] 41(230):44-48. Spring 1951. 280.8 P949

Poultry and pig farm management.

63216 BRANDT, K. Otto Schiller's "Farming Cooperative;" a critical appraisal. Land Econ. 27:102-107. May 1951. 282.8 J82

63217 CARR, W. A. C. Cropping for self-sufficiency; the place of silage in Cheshire farming. Manx J. Agr. (n.s.)5(4):35-37,40-45. Apr.1951. 10 M312

63218 CASTELLO, F. La especialización en avicultura. Cult. Mod. 34:60-62. Feb.1951. 15 C89

63219 CERVI, B. Veamos como trabaja un arrendatario marquesano. Mundo Agr. 2(19):88. Dec.1950. 9 M92
Argentina.

63220 CHAPMAN, P. W. Programa de adiestramiento agrícola para veteranos de guerra. Agrario 15(420):15-16. Jan.1951. 9.8 Ag85
United States.

63221 CHAVEZ PORTILLO, D. La granja mixta de Villa Pitaslo en el Brasil. Campo [La Paz] 5(46):14-18. Feb.1951. 9.1 C15

63222 CLARKE, G. P. Solo farming. Canad. Countryman 40(7):5-6. Apr.14,1951. 7 C833

63223 CLEMENTS, H. F. La administración de los cañaverales. IV. Asoc. Gen. de Agr. B. 291:5. Mar.31, 1951. 8 As52

63224 CONKLIN, G. L. Trends in farm organization in Livingston County, 1908-1948. N. Y. Agr. Col. Farm Econ. 180:4699-4700. Apr.1951. 280.8 C812

63225 CORRIN, G. One-man farm. Anthroposophical Agr. Found. Notes & Corresp. (n.s.)3:7-11. Spring 1951. 10 An8

- 63226 CRANDALL, W. T. Dairy farming is big business. Dairyman's League News 35(11):6-7. May 29, 1951. 44.8 D1432
Management.
- 63227 DIMITROV, G. M. The resistance of the Bulgarian peasantry. Internatl. Peasant Union. B. 2: 6-8. Jan./Feb. 1951. 280.9 In822
To Communist collectivization.
- 63228 DOANE, D. H. Are you a buncher or a spreader outer? Breeder's Gaz. 116(5):7. May 1951. 49 B74
Livestock farm management and dispersed layouts.
- 63229 DRIEHAUS, K. Kowaljow-methode auch in MAS und volksgütern. Deut. Landwirt. 2:252-253. May 1951. 18 D4822
Russian Zone of Germany.
- 63230 DUMONT, R. La coopérative, forme d'avenir de l'exploitation agricole. Prob. Econ. 171:1-4. Apr. 10, 1951. 280.8 P948
- 63231 EMMONS, W. R. Father and son make farming team. South. Planter 112(4):8,20-21. Apr. 1951. 6 So89
- 63232 EVANS, G. L. B. Hill farming in central Wales. Brit. Agr. B. 4(13):15-20. May 1951. 10 B776
- 63233 FANNING, J. W. How much cotton in 1951? Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(3):16. Mar. 1951. 6 P945G
Principles of good and sound farming.
- 63234 FERNANDES, S. The small farmers. (In Portuguese.) Chacaras e Quintais 83:575. May 15, 1951. 9.2 C34
Brazil.
- 63235 FOX, L. A doctor cures a sick ranch. Humble Farm Family 7(11):6-9. Apr. 1951. 6 F233
Conservation farming.
- 63236 FRANKENA, H. J. Cattle feed supply on the mixed sandy farm. (In Dutch.) Nieuwe Veldbode 17:430-432. Mar. 22, 1951. 12 V542N
Management in the Netherlands.
- 63237 FREUND, G. Una visita a la estancia más austral del mundo. Buenos Aires y La Pampa 108:16-20. Feb. 1951. 9 B868
Sheep ranch on Picton Island.
- 63238 GAUL, Eine beispielwirtschaft auf niederungsmoorboden in der badischen Rheinebene. Bad. Landwirt. Wchnbl. 118:216-218. Apr. 7, 1951. 18 B142
Farm management.
- 63239 GHANI, Q. The Chittagong hill tracts. Pakistan 1(5):63-68. Winter 1950/51. 278.8 P17
Includes farming methods.
- 63240 GODNICK, N. The Benkendorfs come to Belvidere. N. J. Farm & Gard. 22(6):12-13, 54. June 1951. 6 G162
Management of a market garden in New Jersey.
- 63241 GORDIENKO, V. Ferma kolkhoza "Knasnyĭ Partizan" [Dairy farm of the Krasnyĭ Partizan Kolkhoz]. Novosibirsk, Novosibirskoe Obl. Gos. Izd-vo, 1950. 39 p. (Peredoviki Sel'skogo Khoziaistva) 43 G652
- 63242 GORDON, G. E. Dairy management to meet current problems. Calif. Dairyman 31(9):38. June 2, 1951. 44.8 C12
Dairy farm management.
- 63243 GORSHKOV, M. P. Diversified development of public economy of collective farms. (In Russian.) In Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR, p. 353-397. Moskva, Gos. Izd-vo Polit. Lit-ry, 1951. 281.179 L31V
- 63244 GOVIN, L. Images d'Amérique; une ferme au Middle-West. Génie Rur. 44:155-159. (Concl.) May 1951. 58.8 Au8
Includes farmhouse plans and figures on costs and returns.
- 63245 GT. BRIT. AGRICULTURAL IMPROVEMENT COUNCIL FOR ENGLAND AND WALES. Second report. London, 1950. 26 p. 10 G799
- 63246 GT. BRIT. MINISTRY OF LABOUR AND NATIONAL SERV. Agriculture & horticulture. Gt. Brit. Min. Labour & Natl. Serv. Careers Men & Women Ser. 3, rev., 55 p. Dec. 1950. 275.9 G7942
- 63247 GUSTAFSSON, H. Stavsjö farm. (In Swedish.) Väst-Närings-Nytt 7:10-14. 1951. 57.8 V47
Farm management.
- 63248 HAARER, A. E. Ranching to succeed Groundnuts Scheme; intensive farming a more practical proposition. Leather Trades' Rev. 99:173-174. Jan. 17, 1951. 303.8 L48
- 63249 HANEKE. Aufgabe und gestaltung der agrarberichterstattung. Statist. Praxis 6:19-21. Feb. 1951. 251.8 St25
- 63250 HARPER, D. A Briton looks at Denmark. Farmer & Stock-Breeder 65(3214):91. May 29, 1951. 10 F228
Farming in Denmark.
- 63251 HARTMANN, F. Wie bringe ich meine wirtschaft vorwärts? I-X. Freie Bauer 6(1):5;(2):5;(3):5;(4):5;(5):5;(6):5;(7):5;(8):5;(9):5;(10):5;(11):5. Jan. 7-Feb. 18, Mar. 4-18, 1951. 18 F88
Germany.
- 63252 HEFFNER, MRS. D. What do you know about public lands? Natl. Gard. 22(3/4):11-12, 32-33. Mar./Apr. 1951. 90.32 N21
- 63253 IBACH, D. B. Making changes feasible on small farms. Agr. Econ. Res. 3:53-57. Apr. 1951. 1 Ec7Agr
- 63254 KOVACS, I. Forms and methods of collectivization in Hungary. Internatl. Peasant Union. B. 2:8-13. Jan./Feb. 1951. 280.9 In822
- 63255 KRAEV, M. A. The agricultural artel as a fundamental form of the collective farm movement at the present day stage. (In Russian.) In Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR, p. 107-158. Moskva, Gos. Izd-vo Polit. Lit-ry, 1951. 281.179 L31V
- 63256 LAPTEV, I. D., ed. Voprosy kolkhoznogo stroitel'stva v SSSR [Problems in constructing the collective farm system in U.S.S.R.]. Moskva, Gos. Izd-vo Polit. Lit-ry, 1951. 487 p. 281.179 L31V
- 63257 LEDESMA, A. F., and LEDESMA, E. M. Psychology and the marginal farm. Rev. River Plate 109 (3071):15-17. Apr. 6, 1951. 286.8 R32
- 63258 LYLE, P. Sugar and food yeast. Brit. J. Nutr. 4:91-93. 1950. 389.8 B773
Discusses diversification of farming in the British West Indies and the manufacture of food yeast.
- 63259 MCCORMICK, C. J. Mobilization goals and the family farmer. Washington, U. S. D. A., Off. Sec., 1951. 13 p. 1.91 A2M132
Talk at the First Annual Conference, National Council on Agricultural Life and Labor, Washington, D. C., Apr. 26, 1951.
- 63260 MCLEOD, A. N. Production of Long Island ducks 1948. N. Y. Agr. Col. A. E. 750, 27 p. June 1950. 281.9 C81
Farm management aspects.
- 63261 MCWILLIAMS, R. C. On the farms of Great Britain. Rur. New-Yorker 101:370, 386. June 2, 1951. 6 R88
- 63262 MANITOBA. DEPT. OF MINES AND NATURAL RESOURCES. Annual report for period ending March 31st, 1950. Winnipeg? 1950. 134 p. 253.2 M31
Includes reports of the Lands and Forestry Branches.
- 63263 MARRERO, J. F. Principles and procedure of farm planning. In Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report, p. 182-183. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3
- 63264 MATHEU C., C. Mi experiencia como productor. Hacienda 46(6):38-39. June 1951. 6 H11
Dairy farm management.
- 63265 MEIKLEJOHN, A. K. M. Careers in agriculture. Manx J. Agr. (n.s.) 5(3):34-35. Jan. 1951. 10 M312
- 63266 MEIKLEJOHN, A. K. M. Crop husbandry. Manx J. Agr. (n.s.) 5(3):15, 17, 19, 21, 23, 25. Jan. 1951. 10 M312
Farming in the East of Scotland.
- 63267 MERCER, W. B. Farming today in England and Wales. Gt. Brit. Min. Agr. Agriculture 58:64-69. May 1951. 10 G79J
- 63268 MIKES, G. Milk and honey: Israel explored. London, Wingate, 1950. 159 p. 127 M585
Includes description of farm settlements.
- 63269 MINCHIN, C. Farming in the Falklands. Field 197:637-638. Apr. 28, 1951. 10 F45
- 63270 MÖLLER, T. Efficient poultry keeping on Uppland farm. (In Swedish.) Joel 1950:58-59, 62. 335.8 J59
Management.
- 63271 MORALES, J. O., KEEPPER, W. E., and GÓMEZ Q., F. Economic study of coffee plantations. (In Portuguese.) Fazenda 46(5):26-27. May 1951. 6 H11P
Includes costs.
- 63272 NOILHAN, H. Production et fertilité de la petite et moyenne exploitation agricole. Agrarpolit. Rev. 7:282-302. Mar. 1951. 281.8 Ag824
In various countries.
- 63273 NORDSTROM, G. A Swede looks at England. Farmer & Stock-Breeder 65(3214):90. May 29, 1951. 10 F228
Farming in England.

- 63274 PAGANINI, C. Share farming in the bill on leases. (In Italian.) *Gior. di Agr.* 61:93. Mar.25,1951. 16 ItIG Italy.
- 63275 PAULI, W. Wandlungen in der erforschung und beurteilung bäuerlicher betriebe. *Agrarpolit. Rev.* 7:255-258. Mar.1951. 281.8 Ag824
- 63276 PAYRE, G. Un forme de la collaboration franco-tunisienne dans une région agricole. *B. Econ. et Social de la Tunisie* 50:50-53. Mar.1951. 280.8 B874 Share farming contracts in Tunisia.
- 63277 PENDERS, J. M. A. What has American agriculture to tell us? I. (In Dutch.) *Landboude* 5(18):1. May 5,1951. 12 L234 Farming methods.
- 63278 PERRY, E. J. Management practices and labor-saving plans. *Guernsey Breeders' J.* [Peterborough] 82:221,260. May 16,1951. 43.8 G93
- 63279 PRAX, A. Metayage et société. *Prog. Agr. et Vitic.* 1951:246-250. May 6/13,1951. 14 P94
- 63280 PRONIN, D. The farming cooperative: a reply. *Land Econ.* 27:178-180. May 1951. 282.8 J82
- 63281 RAETHER, Emsländ. gemüsetreibereien vergrößern sich. *Landwirtsbl. Weser-Ems* 98:385-386. May 3,1951. 18 L2345
- 63282 RUOFF, F. Intensivierung durch rationalisierung. Vortrag auf der tagung der "Bodengesundheitsdienst Niedersachsen G. m. b. H." am 7. märz 1950 in Hannover. Hannover,1950. 40 p. 281.175 R872
- 63283 SCHILLER, O. Cultivation cooperative. II. (In Italian.) *Agr. Ital.* 2:70-73. Feb.1,1951. 16 Ag822
- 63284 SCHILLER, O. The farming cooperative: rejoinder. *Land Econ.* 27:180-182. May 1951. 282.8 J82
- 63285 SCHOCK, A. El terruño y el plan de Gobierno. Argentina. *Dir. Gen. de Tierras. Rev.* 3:3-5. June 1950. 282.9 Ar3R
- 63286 SCHÖLL, W. Gemeinschaftspflanzung im bäuerlichen obstbau. *Obstbau* 70:21. Feb.1,1951. 80 Ob73
- 63287 SCHULTZ, T. W. A framework for land economics—the long view. *J. Farm Econ.* 33:204-215. May 1951. 280.8 J822
- 63288 SERPIERI, A. Peasant and non-peasant enterprises in Italian agriculture. (In Italian.) *Riv. di Econ. Agr.* 6:71-82. 1951. 281.8 R52 English summary.
- 63289 SHEPILOV, D. T. Stalin - the creator of the collective farm system in U.S.S.R. (In Russian.) In *Laptev, I. D., ed. Voprosy kolkhoznogo stroitel'stva SSSR*, p.5-44. Moskva,Gos. Izd-vo Polit. Lit-ry,1951. 281.179 L31V
- 63290 SILLOCK, K. M. Planning the dairy farm. *Austral. Dairy Rev.* 19(4):10. Apr.2,1951. 44.8 Au73
- 63291 SLØGEDAL, H. The operation of Apelsvoll in 1950. (In Norwegian.) *Tidsskr. f. det Norske Landbr.* 1950:326-334. Nov./Dec.1950. 11 T433
- 63292 SMITH, C. S. Land with a capital L; a study of our marginal areas—what they need and what they can give. *Farmers Wk.* [London] 34(17):52,55,57; (19):53,55. Apr.27,May 11,1951. 10 F226 In England.
- 63293 SMITH, J. Festival farm. *Farmers' Wk.* [London] 34(18):48-49. May 4,1951. 10 F2226 Dolhendre in North Wales, where Festival visitors see what Britain is doing to restore hill farming.
- 63294 STEBBINS, G. H. Problems of the young would-be farmer. *Conn. Farmer* 5(12):9-10. (Cont.) May 1951. 6 C763
- 63295 STEPHENS, P. R. Farming in Canterbury. *New Zeal. J. Agr.* 82:109-117. (Concl.) Feb.1951. 23 N48J
- 63296 SUAREZ CAVIGLIA, O. R. Los arabes y la agricultura. *Res* 19:25853-25855. Apr.5,1951. 286.85 R31
- 63297 TERGAST, G. C. W. C. The problem of the extension of farm units in Indonesian agriculture, more especially in Java and Madura. (In Dutch.) *Landbouw [Bogor]* 22:357-407. Ref. July/Sept.1950. 22.5 L23 English summary.
- 63298 TERRA, A. Fundamentos de la inclusión de la aparcería en los beneficios del proyecto de ley sobre radicación mínima del productor rural. Uruguay. *Mín. de Ganad. y Agr. B. Inform.* 369:5. May 3,1951. 9.9 G15B
- 63299 THARP, M. M., and ELLIS, H. H. Father-son farm operating agreements. *U. S. D. A. Farmers' B.* 2026,37 p. Mar.1951. 1 Ag84F
- 63300 TOMLINSON, F. R. Economic study of fresh-milk farming in Natal, 1947-48. Union So. Africa. Dept. Agr. B. 314,66 p. 1951. 24 So84P Management and costs and returns.
- 63301 TOMLINSON, F. R. Economic study of fresh-milk farming in the Witwatersrand area, 1947-48. Union So. Africa. Dept. Agr. B. 315,36 p. 1951. 24 So84P Management and costs and returns.
- 63302 TURNER, SIR J. Agriculture. In *Dunsheath, P., ed. A century of technology, 1851-1951*, p.204-218. London,1951. 277.171 D92 Farming methods in Great Britain.
- 63303 U. S. PRODUCTION AND MARKETING ADMIN. Conservation and use of agricultural land resources. Washington,1951. 8 p. 1.956 A2Ag82 Conservation practices under the 1949 Agricultural Conservation Program.
- 63304 VOLIN, L. Soviet agricultural collectivism in peace and war. *Amer. Econ. Rev.* 41(2):465-474. May 1951. 280.8 Am32
- 63305 WARE, R. R. General principles of estate management under the Agriculture Act, 1947. In *Gt. Brit. Ministry of Agriculture and Fisheries. Fixed equipment of the farm*, p.9-13. London,H. M. Stationery Off.,1950. 10 G79F1
- 63306 WEBB, G. His acres grow bigger. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(4):15,148. Apr.1951. 6 P945G A long-time, whole farm plan brings increased yields.
- 63307 WEST, H. I. Baldwin [County, Ala.] quit one-crop farming, too. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(5):15,106. May 1951. 6 P945G
- 63308 WIEGERSMA, S. What should my child become? School and vocational guidance. (In Dutch.) *Friesch Landbbl.* 48:192-193. Mar.23,1951. 12 F91 Includes agriculture as an occupation.
- 63309 WISCONSIN. COMMISSIONERS OF THE PUBLIC LANDS. Biennial report for biennial fiscal term ending June 30, 1950. Madison,1950. 59 p. 282.9 W752
- 63310 WOOD, R. C. A note-book of tropical agriculture. Ed. 5. Trinidad B.W.I.,Imper. Col. Trop. Agr., 1950. 147 p. 38 W85
- 63311 WRIGHT, S. Agricultural methods in Pakistan. *Gt. Brit. & East* 67(1817):26. (Concl.) May 1951. 286.8 N27
- 63312 YOHE, R. S. Behind Holland's green dikes. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(3):87-88. Mar.1951. 6 P945G Farming.
- 63313 YOUNG, R. H. Group farming in Africa. *Agr. Econ.* 2(4):19. Dec.1950. 281.8 Ag832
- 63314 ZINKIN, T. Refugee Sikhs' "village of service;" a hopeful beginning in co-operative farming made by the inhabitants of a village in conditions quite different from those formerly known to them. *New Commonwealth* 21:598-601. May 1951. 280.8 C88 West Pakistan.

Bookkeeping and Records

- 63315 HOF, A. OP 'T. A farm inventory in the eighteenth century. (In Dutch.) *Zeeuwisch Landbbl.* 39(2052):4; (2053):6-7. Jan.6-13,1951. 12 Z2
- 63316 MITFUSHKIN, T. Preparation and examination of annual accounts of machine-tractor stations. (In Russian.) *Mashinno-Traktornaiâ Sta.* 10(12):10-17. Dec. 1950. 58.8 M11
- 63317 RECHHOLZ. Bestellungs- und düngungsfeldbuch. Hilstrup bei Münster (Westf.),Landwirtschaftsverlag,1950. 1 v. 30.61 R24

Costs and Returns

- 63318 BIFFL, K. Niederösterreichische landeswein-kost. *Landwirtschaft* 1951:55-56. Feb.1951. 19 L235
- 63319 BONNET, L. The more is not always the merrier. *Mod. Poultry Keeping* 64:560. May 23,1951. 47.8 Eg3 Costs and returns of poultry farming in Great Britain.
- 63320 BRANNAN, C. F. Food prices and farms returns. *Eggsaminer* 28(5):11,14. May 1951. 286.85 Eg32 From statement before the House Committee on Agriculture, April 24, 1951.
- 63321 BROUDRE. Der geldaufwand im ackerbau. *Deut. Landwirt. Presse* 74:102. Apr.21,1951. 18 D482
- 63322 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Alfalfa seed production, Riverside County, 1947 - 1949, by O. A. Harvey and W. Sullivan. Berkeley,1951? 6 p. 275.29 C12En Includes costs and income.
- 63323 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. First annual poultry management study, Placer County, 1950, by A. D. Reed and F. C. Rohrbacher. Berkeley, 1951? 11 p. 275.29 C12En

63324 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 alfalfa cost and management study, Antelope Valley, by W. Sullivan, and W. F. Ehlers. Berkeley? 1950? 9 p. 275.29 C12En

63325 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Sonoma County poultry egg production and management study, by A. Shultis, and V. Stratton. Berkeley? 1951. 9 p. 275.29 C12En

Includes costs and returns.

63326 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Solano poultry management study, 1950, by A. D. Reed, and R. L. Shreve. Berkeley? 1951? 6 p. 275.29 C12En

Chiefly costs and returns.

63327 CECIL, L. Every egg producers question—can I make it pay? Yes, if you can produce 75% of your eggs at winter price. Mod. Poultry Keeping 64:528. May 16, 1951. 47.8 Eg3

63328 COUNTRY LANDOWNERS' ASSOCIATION. Survey of landowners' expenditure and farm rents. Land Agents' Soc. J. 50:31-33. Jan. 1951. 282.9 L22

Great Britain.

63329 DINSDALE, D. H., and CARPENTER, E. M. Farm management survey report 1949-50 (northern counties). King's Col. Farm Econ. Br. Rpt. FMS 33,46 p. Feb. 1951. 281.9 K61R

Costs and returns.

63330 DYSART, N. M. Arizona dairymen buck a drought. Calif. Dairyman 31(10):10. June 16, 1951. 44.8 C12

Problems of costs and milk prices.

63331 FAWCETT, J. A. 425 margin from 56 birds. Mod. Poultry Keeping 64:476. May 2, 1951. 47.8 Eg3

63332 GT. BRIT. AGRICULTURAL LAND COMMISSION. Agriculture Act, 1947; accounts 1949-50. London, H. M. Stationery Off., 1951. 13 p. 282.9 G793A

Management and costs.

63333 HENDRY, G. F. The financial results of farming in 1948/49 (including a comparison with 1947/48). Scot. Dept. Agr. Scot. Agr. Econ. 1:13-22. 1950. 281.9 Sco3S

63334 HUNT, A. F. Rent, wages and net income—changes since 1938-39. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 5:18-21. Spring 1951. 281.9 N842

England.

63335 HUSEMANN, C. Die bodenleistungen einer marschwirtschaft (Infield) 1950. Landwirtsch. Weser-Ems 98:204-206. Mar. 8, 1951. 18 L2345

Yields and financial returns.

63336 JONES, R. B. The financial results of farming in the East Midlands in 1948-49 and 1949-50. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 5:4-10. Spring 1951. 281.9 N842

63337 JONES, R. B. The trend of milk production costs A. In 1945/46, 1946/47 and 1947/48. Scot. Dept. Agr. Scot. Agr. Econ. 1:35-39. 1950. 281.9 Sco3S

63338 LACOURCIERE, H. Le temps des sucres. Foyer Rur. [Montreal] 10(6):3,5,21. Mar. 1951. 7 F83

Includes costs and returns of maple sugar manufacture in Canada.

63339 MCPHERSON, W. W. Some fundamental economic concepts and economic analysis of costs. J. Farm Econ. 33:192-203. May 1951. 280.8 J822

63340 MANCHESTER. UNIVERSITY. AGRICULTURAL ECONOMICS DEPT. Poultry costs and returns. Manchester. U. Agr. Econ. Dept. B. 61/EC32,8 p. Apr. 1951. 10 V66

63341 MANCHESTER. UNIVERSITY. AGRICULTURAL ECONOMICS DEPT. Some pig costs, 1949-1950. Manchester. U. Agr. Econ. Dept. B. 59/EC 31,8 p. Dec. 1950. 10 V66

63342 MANSCHOT, J. J. Changes in the outlying land holding around the turn of the century. (In Dutch.) Gelders Landtbl. 14(3):16. (Concl.) Jan. 20, 1951. 12 G282

Costs and returns.

63343 MASSEGUES, J. M. Los precios en agricultura. Cult. Mod. 34:50-51. Feb. 1951. 15 C89

Costs and returns in Spain.

63344 MEJER, E. Rent as an item of farm expenditure. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 5:22-24. Spring 1951. 281.9 N842

England.

63345 MERCIER, E. Peut-on abaisser le prix de revient du lait. Québec Lait. 10:30-31. Jan. 1951. 44.8 Q3

63346 MOLLER A., E. La betarraga azucarera, la ordeña invernal y los costos de producción de la leche. Agr. Austral 19(216):15-18. Jan. 1951. 9.3 Ag842

Chile.

63347 MONTOYA, A. J. Normas a seguirse en la determinación de los costos de producción de lanas. Bolsa de Cereales, Buenos Aires. Rev. 38(1987):6,14,22,24, 26,28. Mar. 15, 1951. 287 B866

63348 NALSON, J. S. Milk production in the East Midlands: costs and returns in 1948-49 and 1949-50. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 5:11-15. Spring 1950. 281.9 N842

63349 PARVIN, D. W. Milk and beef production compared on small farms. Miss. Farm Res. [Miss. Sta.] 14(3):5. Mar. 1951. 100 M69M1

Receipts and expenditures.

63350 PETTIT, G. H. N., and CLARK, J. Some economic aspects of grass production and conservation; a study of conditions on 57 U.K. farms in 1948. Imper. Chem. Indus. Agr. Devlpmt. Dept. B. 1,35 p. 10 Im74

Includes details on grass, hay, and silage costs.

63351 ROBINSON, H. G. The economics of dairy farming. (Extr.) Scot. Farmer 59:705. Apr. 28, 1951. 10 Sco8

Costs and returns.

63352 SAVAGE, Z. Adequate citrus production records. Citrus Mag. 13(10):22-23. June 1951. 80 C498

Cost accounting.

63353 SHEMILT, H. J. The trend of milk production costs. B. In 1947/48 and 1948/49. Scot. Dept. Agr. Scot. Agr. Econ. 1:40-45. 1950. 281.9 Sco3S

63354 VREDELING, H. Le calcul du prix de revient du lait. (In Dutch.) Econ.-Statist. Ber. 36:320-322. Apr. 25, 1951. 280.8 Ec722

French summary.

63355 WAALKENS, E. H., and DUINKER, A. Remarks on the "farm type" as basis for estimation of cost price. (In Dutch.) Groninger Landtbl. 29(10):1-2. Mar. 10, 1951. 12 G892

63356 WALLACE, J. J. What can you do about farm costs? Iowa Farm & Home Register 1951:15H-16H. Apr. 1, 1951. 6 Io94

Land Settlement and Colonization

63357 BALDI, P. F. Emigration and agricultural colonization. 1. (In Italian.) Mondo Agr. 2(7):3. Feb. 18, 1951. 16 M74

Settlement in Peru.

63358 BALDI, P. F. Trips into Amazonia. (In Italian.) Mondo Agr. 2(8):3. Feb. 25, 1951. 16 M74

Settlement conditions in Peru.

63359 BOAVENTURA, F. T. Native settlements in Angola. (In Portuguese.) Agros [Lisboa] 34:39-50. Jan./Feb. 1951. 15.5 Ag82

63360 ESHKOL, L. Mass settlement in Israel; survey of achievements; development programme. Israel & Middle East 3:10-13. Jan./Mar. 1951. 286.8 P172

63361 HILL, H. L. Military resettlement in the Thal. Pakistan 1(5):45-49. Winter 1950/51. 278.8 P17

63362 LÓPEZ FÁBREGA, F. A. Plan de construcción de colonias agrícolas. Rev. de Agr. Com. e Indus. [Panama] 9(113/114):19-20. (To be cont.) Jan./Feb. 1951. 8 R3291

Panama.

63363 MONTANUCCI, M. The economic development of Colombia and Italian emigration. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statist. 4:5-26. Jan. 1951. 280.9 M587B

Includes settlement possibilities.

63364 QUATTROCCHI, N. Cooperation and Italian colonization in Brazil. (In Portuguese.) Lavoura 54:7-10. Sept./Oct. 1950. 9.2 L39

63365 QUEBEC. MINISTÈRE DE LA COLONISATION: Rapport pour l'exercice financier terminé le 31 mars, 1950. Québec, 1951. 88 p. 282.29 Q33

63366 RAINERI, C. Land for peasants beyond the Arctic Polar Circle. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(39):6-7. June 2, 1951. 281.9 Ag3

Finnish land settlement.

63367 SINGH, J. R. Peasant holding scheme in St. Lucia; unemployed labourers from abandoned military base put back on the land. New Commonwealth 21:688-689. June 1951. 280.8 C88

63368 VINE, R. An old district makes a new start; 14 soldier farms at Whangapoua. New Zeal. Farmer 72 (4):3-4. Apr. 12, 1951. 23 N484

Land Tenure

63369 ASHBY, A. W. How much rent can you afford to pay for accommodation land? Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 5:27-28. Spring 1951. 281.9 N842

England.

- 63370 BANDINI, M. Aspects of the land reform in the main zones of application. (In Italian.) *Agr. Ital.* 2: 52-55. Feb.1,1951. 16 Ag822
- 63371 BLACHEZ, P. R. La propriété de la terre et les dernières réformes agraires en Europe. *Agr. Prat.* 115:245-247. (Cont.) May 1951. 14 J82
- 63372 BRUGGE, G. J. TER. Exchange of holdings and water control. (In Dutch.) *Gelders Landtbl.* 14(3):13-14. Jan.20,1951. 12 G282
Includes discussion.
- 63373 BRUNT, C. Experiences in relation to the upkeep of leased farms. (In Dutch.) *Pacht* 11:108-111. Apr.1951. 282.8 P11
Netherlands.
- 63374 CALAN, L. DE. A propos des frais de remembrement. *Agr. Prat.* 115:253. May 1951. 14 J82
France.
- 63375 CANDIOLI, P. Integral land reclamation and the social problem. (In Italian.) *Agr. Ital.* 2:58-59. Feb. 1,1951. 16 Ag822
Chiefly land tenure.
- 63376 CARRIE, J. La structure et le mode de faire-valoir des exploitations mises en valeur par les étrangers. *France. Min. de l'Agr. Rev. Etudes & Monog.* 55:39-43,46-49,51-53,55-56. Feb.1951. 281.8 F84
Size groups.
- 63377 CASALINI, M. The land reform and agricultural cooperation. (In Italian.) *Agr. Ital.* 2:83-84. Feb.15,1951. 16 Ag822
- 63378 CASTRILIO, Z. Government acquisition of large landed estates. *Amer. Chamber Com. J.* 27:44-45. Feb.1951. 287 Am3P
For subdivision and settlement in the Philippines.
- 63379 CHAPRON, C. La fusion des kolkhozes. *Unité Paysanne* 6(281):1,6. Apr.14,1951. 14 Un3
- 63380 CHINI, A. On the reform of agricultural leases; the joke of indemnification for land improvements of tenants. (In Italian.) *Mondo Agr.* 2(10):5. Mar.11,1951. 16 M74
Italy.
- 63381 CINGANO, F. The agrarian reform in the China of Mao-tse. (In Italian.) *Mondo Econ.* 6(14):5. Apr.14,1951. 280.8 M742
- 63382 DAVIS, H. P. Ten commandments of country courtesy. *Md. Conserv.* 27(2):19. Summer 1950. 279.8 M36
Farmer-hunter relations.
- 63383 EVANS, D. H. Changes in landlords' expenditure and rents. Nottingham. U. Dept. Agr. Econ. *Farm Mangt. Notes* 5:15-18. Spring 1951. 281.9 N842
Great Britain.
- 63384 FAMULARO, N. On indemnification to lessors for land improvements. (In Italian.) *Mondo Agr.* 2(11):5. Mar.18,1951. 16 M74
Italy.
- 63385 FEDELE, V. Extension and reform of agricultural leases. (In Italian.) *Terra e Sole* 105:173-174,188. May 1951. 16 T273
Italy.
- 63386 FÉLICE, P. DE. L'exercice du droit de préemption. *Rev. de Lég. Agr.* 4:3-5. Jan./Feb.1951. 281.8 R325
France.
- 63387 FORDHAM, C. M. Companies and partnerships as farm tenants. *Land Agents' Soc. J.* 50:194-195. May 1950. 282.9 L22
- 63388 FRANCISCO, D. L. Big landed estates in the making in Mindanao. *Agr. & Indus. Life* 13(3):2-3,28. Mar.1951. 25 Ag8
- 63389 FRASSINETO, A. DI. The reform of share farming. (In Italian.) *Terra [Firenze]* 62(10):1. Mar.11, 1951. 16 T274
- 63390 GARCIA LAZO, R. El proyectado Instituto Financiero de Tierras y sus implicaciones. *Rev. Ganad. [Habana]* 11(6):17-18,45-47. June 1951. 49 R321
Land acquisition and settlement, Cuba.
- 63391 GONZALEZ GARCIA, P. De arrendamientos rústicos: la renta actual de la tierra y la pequeña propiedad. *Ceres [Valladolid]* 16(177):19,21. Mar.1,1951. 15 C33
- 63392 HARRIS, M. The new agricultural ladder. *Agr. Situation* 35(5):7-8. May 1951. 1 Ec7Ag
- 63393 HENRICI. Bietet der erbvertrag dem hoferben volle sicherheit? *Hannoversche Land- u. Forstwirt. Ztg.* 104:268. Mar.24,1951. 18 H194
- 63394 HOPF, W. Pacht- und gesellschaftsverträge in der landwirtschaft. *Allgäuer Bauernbl.* 19:140-141. Mar. 15,1951. 18 AL53
- 63395 HORNIDAY, M. Farm ownership in U. S. A. *Agr. Econ.* 2(4):15-16,18. Dec.1950. 281.8 Ag832
- 63396 JONG, S. H. DE. Le calcul du niveau du fermage en corrélation avec le niveau des prix des produits agricoles. (In Dutch.) *Econ.-Statist. Ber.* 36:207-209. Mar.14,1951. 280.8 Ec722
French summary, p. 199.
Netherlands.
- 63397 LADEJINSKY, W. I. The plow outbids the sword in Asia; how General MacArthur stole communist thunder in Japan with democratic land reform, our most potent weapon for peace. *Country Gent.* 61(6):27,65-68. June 1951. 6 C833
- 63398 LAS CASES, E. DE. Le statut du fermage à 5 ans. I-II. *Unité Paysanne* 6(281):4;(283):4. Apr.14,28,1951. 14 Un3
France.
- 63399 LYON, J. The zemindars and due process. *Nation* 172:468-469. May 19,1951. 280.8 N215
Land reform in India.
- 63400 MARANI, C. *Astacus fluviatilis* Fabr.,—commonly crab. (A propos of agricultural leases.) (In Italian.) *Mondo Agr.* 1(26):3. Dec.24,1950. 16 M74
Italy.
- 63401 MARIANI, M. Shareholding and forms of association in agriculture. (In Italian.) *Mondo Agr.* 1(23):1-2. Dec.3,1950. 16 M74
Italy.
- 63402 MASSOT, R. Le remembrement progresse en France. *J. de la France Agr.* 7:1449,1452. Mar.30/Apr. 5,1951. 14 J829
- 63403 MEDICI, G. Present and future of the farm holding. (In Italian.) *Mezzogiorno Agr.* 7(12):1-2. Mar. 25/31,1951. 16 M57
- 63404 MONTAGNE, R. Droit de préemption et surenchère sur adjudication. *Prog. Agr. et Vitic.* 1951:250-251. May 6/13,1951. 14 P94
- 63405 MONTAGNE, R. Préemption et surenchère de l'adjudicataire. *Prog. Agr. et Vitic.* 1951:277-279. May 20/27,1951. 14 P94
France.
- 63406 PAGANI, A. The agrarian reform in Calabria. (In Italian.) *Mezzogiorno Agr.* 7(15):1. Apr.15/21,1951. 16 M57
- 63407 PANERAI, A. More on the reform theme: meditations on article 10. (In Italian.) *Mondo Agr.* 2(15): 5. Apr.15,1951. 16 M74
Italy.
- 63408 PANERAI, A. Polemics on the land reform. (In Italian.) *Mondo Agr.* 2(7):5. Feb.18,1951. 16 M74
Italy.
- 63409 PANNUN, M. S. Agrarian reforms and Indian rural life. *Agr. Econ.* 2(4):5-7. Dec.1950. 281.8 Ag832
- 63410 PAPI, C. Inquires on the application of the expropriation law; distinction between agricultural and forest areas in the expropriation. (In Italian.) *Mondo Agr.* 2(11):5. Mar.18,1951. 16 M74
Italy.
- 63411 PLATZ, A. Flurbereinigung—ja oder nein? *Landbote* 4(51/52):9. Christmas 1950/New Year 1951. 18 L2336
Germany.
- 63412 PRESTIANNI, N. The Sicilian agrarian reform. (In Italian.) *Mondo Agr.* 2(13):1. Apr.1,1951. 16 M74
- 63413 RAAB, J. Die grundstückszersplitterung in Bayern. *Bayern in Zahlen* 5:3-4. Jan.1951. 265 B34
- 63414 RAPER, A. F. Some effects of land reform in thirteen Japanese villages. *J. Farm Econ.* 33:177-182. May 1951. 280.8 J822
- 63415 REINEKE. Die rechtsstellung der ehefrau nach der höfeordnung. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:656. May 3,1951. 18 L2346
- 63416 RICHARDSON, P. P. A comparison of the rents of horticultural and agricultural holdings. Nottingham. U. Dept. Agr. Econ. *Farm Mangt. Notes* 5:24-27. Spring 1951. 281.9 N842
England.
- 63417 ROWE, M. E. Leasehold reform. *Land Agents' Rec.* 126:329-330,339,341,361. (Cont.) Feb.12-19,Mar.12, 1951. 10 L222
In Great Britain.
- 63418 SCHULTE. Aktuelle fragen aus dem pachtrecht. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:693-694. May 10,1951. 18 L2346
- 63419 SERPIERI, A. Polemics on the expropriation reform. (In Italian.) *Mondo Agr.* 2(10):1. Mar.11,1951. 16 M74
Italy.
- 63420 SORBI, U. Land consolidation in Italy. (In Italian.) *Riv. di Econ. Agr.* 6:83-102. 1951. 281.8 R52
English summary.

POPULATION

63421 STIFEL. Was bringt das neue Bundesversorgungsgesetz? Hinterbliebenenrenten in der Landwirtschaft; die grund- und die ausgleichsrente. Bauern Ztg. 4(16):3-4. Apr.20,1951. 18 B324

Germany.

63422 TAYLOR, J. W. Louisiana land survey systems. *Sowest. Social Sci. Q.* 31:275-282. Mar.1951. 280.8 So82

63423 TESTA, J. The agrarian law, a matter of great responsibility. (In Portuguese.) São Paulo, Supt. dos Serv. do Café. B. 26:101-106. Feb.1951. 68.29 Sa63

63424 TOFANI, M. Land redistribution in Italy. (In Italian.) *Riv. di Econ. Agr.* 6:115-117. 1951. 281.8 R52

English summary.
Land reform.

63425 VOLIN, L. Soviet collective farm mergers. *Foreign Agr.* 15:95-99. May 1951. 1.9 Ec7For

63426 WILLIAMSON, M. B. Land reform in Japan. *J. Farm Econ.* 33:169-176. May 1951. 280.8 J822

Land Utilization

63427 BROWN, R. L. The revision problems of the ordinance survey. *Roy. Inst. Chartered Surveyors. Trans.* 83:70-80. In *Roy. Inst. Chartered Surveyors. J.* 30(10). Apr.1951. 282.9 C38J

Includes discussion.

63428 BUCHANAN, K., and HURWITZ, N. Land use in Natal. *Econ. Geog.* 27:222-237. July 1951. 278.8 Ec7

63429 COLLINS, B. J. Town and country planning, 1943-1951. *Roy. Inst. Chartered Surveyors. J.* 30:984-989. June 1951. 282.9 C38J

63430 FOSTER, C. Strip mines are bad neighbors. *Ill. Agr. Assoc. Rec.* 29(6):16-17. June 1951. 6 IL62
Proposed ordinance in Knox County, Illinois, to control strip mining.

63431 HAASE, G. Utilization of dykeland in the Maritime Provinces, 1949-50. *Econ. Annal.* 21:58-61. June 1951. 281.8 Ec72

63432 LEWIS, A. B. Land classification programme for the Caribbean area. In *Soils Conference, Puerto Rico, 1950. Soil science in the Caribbean; report*, p.159-162. Port of Spain, Caribbean Comm. Cent. Sec., 1950. 56.09 So3
Economic land use classification.

63433 LEWIS, A. B. A land improvement programme for the Caribbean. *Caribbean Comm. Mon. B.* 4:787-792. May 1951. 280.9 C19

Soil and land classification and farm management research.

63434 ROYAL INSTITUTION OF CHARTERED SURVEYORS, LONDON. A memorandum on the Town and Country Planning Act, 1947. Westminster, 1950. 59 p. 282.171 R81

63435 SHEIRA, A. Z. Land use in Egypt. *N. Y. Agr. Col. Farm Econ.* 180:4700-4702. Apr.1951. 280.8 C812

63436 WADHAM, S. M., and WOOD, G. L. Land utilization in Australia. Ed. 2, rev. Melbourne, U. Press, 1950. 376 p. 282.1992 W11

Australian Institute of International Affairs in cooperation with Institute of Pacific Relations.

Includes various aspects of agriculture.

63437 WIBBERLEY, G. P. Our shrinking farmland; within the next twenty years we may lose another million acres. *Farmer & Stock-Breeder* 65(3213):73-74. May 22, 1951. 10 F228

Disadvantages of town growth and building development to British agriculture.

Land Values and Valuation

63438 BOERENDONK, M. J. Farm appraisal. *Valuer* 11:250-255. Jan.1,1951. 282.8 V24

63439 CARMONY, F. A. What is land worth. *Tex. Farming & Citricult.* 27(11):6. May 1951. 80 T31

63440 COLLISON, C. F. Value of farm land jumps 14 per cent in one year, 8% in 6 months. *Com. West* 101(21):13. May 26,1951. 286.8 C733
Western States.

63441 METZNER. Zur einheitsbewertung des weinbauvermögens. *Weinbau* 6:159-160. Apr.1,1951. 390.8 W432

Germany.

63442 PEMBERTON, F. W. W. Rising values of agricultural land. *Times Survey Brit. Agr.* 1951:3. Mar. 1951. 10 T48

63443 PRIESSNITZ, E. Weiteres über die bodenschätzung. *Kärntner Bauer* 101:212-213. Apr.15,1951. 19 K14

63444 SCOFIELD, W. H. Who is in the land market? *Agr. Situation* 35(5):3-4. May 1951. 1 Ec7Ag

63445 WHORTON, W. J. Shall I sell the farm in '51? *Mo. Col. Farmer* 43(8):9,22. May 1951. 6 M691
Land price factors.

63446 GREULICH, H. Flucht vor der landarbeit. *Deut. Ztg.* 6(33):10. Apr.25,1951. 280.8 W742

63447 GROOTEN, R. L'évolution de la population active agricole et horticole en Belgique depuis 1856. *Rev. de l'Agr.* 4:426-441. Apr.1951. 13 R322

English summary.

63448 HAGOOD, M. J., and SIEGEL, J. S. Projections of the regional distribution of the population of the United States to 1975. *Agr. Econ. Res.* 3:14-52. Ref. Apr.1951. 1 Ec7Agr

63449 HERNÁNDEZ ROBREDO, L. La invasión urbana y la despoblación rural. *Siembra [Madrid]* 7(2):12-13. Feb.1951. 15 Si1

Spain.

63450 MEDICI, G. Composition of population and per capita production in modern states. (In Italian.) *Italia Agr.* 88:173-176. Apr.1951. 16 It1

Ratio of population and productivity in agriculture.

RURAL SOCIAL ORGANIZATION

63451 BANE, L. Vision and values in today's rural home life. *Christian Rur. Fellowship B.* 162:1-5. Apr. 1951. 281.29 C46

63452 CANONNE, F. Il faut réhabiliter la vie à la campagne. *Nord Agr.* 7(15):1. Feb.9,1951. 14 N75

France.

63453 CARRASCO, P. Las culturas indígenas de Oaxaca, México. *Amér. Indfg.* 11:99-114. Apr.1951. 446.9 In8A

English summary.

Touches upon the agricultural pattern.

63454 CRUXENT, J. M. Un grupo de Indios en los llanos del Estado Anzoátegui, Venezuela. *Amér. Indfg.* 11:115-128. Apr.1951. 446.9 In8A

English summary.

Includes the agricultural pattern.

63455 DANE, E. A house of my own. London, Methuen, 1950. 168 p. 281.2 D192
Rural life in France.

63456 DRAPER, C. R., and RUSSELL, D. Rural organization in Val Verde County, Texas. *Tex. Agr. Expt. Sta. Misc. P.* 71,27 p. Mar.1951. 100 T31M

63457 DUPOUY, W. La clase media en Venezuela. *Unión Panamer. Ofic. de Cien. Sociales. Mater. para el Estud. de la Cl. Media en la Amér. Latina* 5:68-102. 1951. 150.91 M41

Includes data on the rural population.

63458 EASTERBROOK, L. F. Making life worth while. *Brit. Farmer* 33:4. Mar.31,1951. 281.8 B77

Rural life.

63459 HAUKE, G. Stirbt die bäuerliche kultur? *Hannoversche Land- u. Forstwirt. Ztg.* 103:1112. Dec.9, 1950. 18 H194

63460 HILLES, H. T. Farm wanted. New York, Messner, 1951. 236 p. 281.2 H553

Rural life.

63461 HYAMS, E. S. From the waste land. London, Turnstile Press, 1950. 247 p. 91.14 H99

Rural life.

63462 KELSO, M. M. Changes bring new problems in Montana rural life. *Mont. Farmer - Stockman* 38(11):8-9. Feb.1,1951. 6 M764

63463 LOHMANN, F. Von der sterbenden landschaft. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:666. May 3, 1951. 18 L2346

63464 LOOMIS, C. P., and POWELL, R. M. Class status in rural Costa Rica—a peasant community compared with an hacienda community. *Unión Panamer. Ofic. de Cien. Sociales. Mater. para el Estud. de la Cl. Media en la Amér. Latina* 5:1-23. 1951. 150.91 M41

63465 MENDES SOBRINHO, O. T. Social problems in the rural zone. VI. (In Portuguese.) São Paulo, Supt. dos Serv. do Café. B. 26:113-131. Feb.1951. 68.29 Sa63

63466 OYLER, P. The generous earth. London, Hodder and Stoughton, 1950. 256 p. 281.2 Oy6

France.

63467 SKRABANEK, R. L. The influence of cultural backgrounds on farming practices in a Czech-American rural community. *Sowest. Social Sci. Q.* 31:258-266. Mar.1951. 280.8 So82

63468 SONNICHSEN, C. L. Cowboys and cattle kings; life on the range today. Norman, U. of Okla. Press, 1950. 316 p. 138 So5

63469 VIDART, D. Esquema de una sociología rural uruguaya. XXXV-XLII. Uruguay. Min. de Ganad. y Agr. B. Inform. 361:10;363:4;364:6;365:11;366:6;369:10;370:6;372:10. Mar.1,15-Apr.12, May 3-10,23,1951. 99.9 G15B

63470 YOUNG, G. Down Hoe Lane. Bognor Regis, Sussex, Arundel Press, 1950. 125 p. 281.2 Y84D

Human Ecology

63471 GAUS, J. M. Education for the emerging field of regional planning and development. *Social Forces* 29: 229-237. Mar. 1951. 280.8 J823

63472 NUNN, J. Geneva [County, Ala.] folks work together. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(4):18,121. Apr. 1951. 6 P945G

63473 RATCHFORD, B. U. Government action or private enterprise in river valley development: an economist's view. *Amer. Econ. Rev.* 41(2):299-306. May 1951. 280.8 Am32

63474 RAYER, P. J. Government action and private enterprise in river valley development: a public administrator's view. *Amer. Econ. Rev.* 41(2):289-298. May 1951. 280.8 Am32

63475 TENNESSEE VALLEY AGRICULTURAL CORRELATING COMMITTEE. Proceedings, thirty-fourth Valley-States Conference, November 29 and 30, 1950. Knoxville, 1951. 114 p. 1.913 C3V24

Institutions

63476 ALEX, P. Soll man die feste feiern, wie sie fallen? *Landfrauenarbeit* 1951:33-34. Feb. 3, 1951. 18 L2347

Education of youth.

63477 ALEXANDER, D. Warren County group ministry. *Rur. Church* 12(5):5-6. Dec. 1950/Jan. 1951. 281.28 R885

Iowa.

63478 BAÑUELOS, M. La medicina en la aldea: el médico de pueblo. I-II. *Ceres* [Valladolid] 16(177):9; (178):12-13. Mar. 1-Apr. 1, 1951. 15 C33suppl.

63479 BAUMGARTNER, E. Die bäuerin und ihre welt. *Prakt. Bäuerin* 1:9-16. 1950. 281.28 P88

63480 BECKER, Die landwirtschaftliche berufsschule in Nordbaden im jahre 1950. *Bad. Landwirt. Wchnbl.* 118: 174,188. (Concl.) Mar. 17-24, 1951. 18 B142

63481 BELSHAW, H. The cultural approach to agricultural world extension in relation to economic development. In *U. S. Extension Serv. Conference report on Extension experiences around the world*, p. 15-19. Washington, 1951. 1 Ex892C

63482 BHADURI, A. N. Organisational principles in agricultural extension work. *Sci. & Cult.* 16:187-191. Nov. 1950. 475 Sci24

India.

63483 BIEHLER, J. H. Zeitung und zeitschrift im bildungsgeschehen der landw. berufsschule. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:41-44. Apr. 1951. 18 N11

Germany.

63484 BLUM, J. The early history of the Russian peasantry. *J. Econ. Hist.* 11:153-158. Spring 1951. 277.8 J822

63485 BLÜMKE, Das versuchswesen und die praxis. *Deut. Landwirt. Presse* 74:73. (To be cont.) Mar. 17, 1951. 18 D482

Advisory services.

63486 BORKOWETZ, F. Die kinderbeihilfe. *Landarb. Arch.* 6:17-23. Jan. 1951. 283.8 L23

Austria.

63487 BRAUN, D. You'll find education and fun at Velshea. *Iowa Agr.* 50:20-21, 36. Apr. 1951. 6 Io9

A student-managed college festival at Iowa State College of Agriculture.

63488 BRÉTIGNIÈRE. Le concours agricole: les produits. *Acad. d'Agr. de France. Compt. Rend.* 37:213-215. 1951. 14 P215Bc

Includes discussion.

63489 BUTTON, D. J. The story of The Iowa Agriculturist. *Iowa Agr.* 50:11. Apr. 1951. 6 Io9

63490 CALDWELL, J. Shotguns and surveys in the quest for better health. *Res. & Farming* [N. C. Sta.] 9(3): 14-15. Winter 1951. 100 N81R

On the survey of health needs of rural North Carolina.

63491 CALIFORNIA STATE FAIR. Junior division, premium list, 1951. Sacramento, 1951. 143 p. 4.5 C122

63492 CINTRA, L. B. DE U. Cultural aspects of American agricultural development. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(363):46. Feb. 1951. 9.2 B733

Extension work.

63493 CLARK, R. M. Leaving or staying? *Agr. Educ. Mag.* 23:274, 284-285. June 1951. 275.8 Ag8

Teaching vocational agriculture.

63494 CLEMENT, L. L'éducation agricole en Suède. *Culture* 28:18-21. Apr. 1951. 14 C894

63495 COFER, E. Is your family posture conscious? *W. Va. Agr. Col. Ext. Good Living Ser.* 18. Strengthening the Home Front. Lesson 7, 6 p. n.d. 275.29 W522G

63496 DACOMBE, U. New farm institute course for girls. *Farmers Wk.* [London] 34(20):72-74. May 18, 1951. 10 F2226

Devon Farm Institute.

63497 DALMASSO, G. A conference on agricultural education. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:83-86. Mar. 31, 1951. 16 C72

63498 DAVIES, J. M. Farming and education. (Sum.) *Manx J. Agr.* (n.s.) 5(4):57-60. Apr. 1951. 10 M312

63499 DELIUS. Die diplomlandwirtin und die ländliche hauswirtschaft. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:29-30. Mar. 1951. 18 N11

Germany.

63500 DIXON, H. M. Economics extension work—trends and needs. Washington, U. S. Ext. Serv., 1951. 15 p. 1.913 E2D64

Paper delivered at Agricultural Economics Seminar, Cornell University, Ithaca, Mar. 12, 1951.

63501 DODD, N. E. World-wide need for extension. In *U. S. Extension Serv. Conference report on Extension experiences around the world*, p. 7. Washington, 1951. 1 Ex892C

63502 DOWDELL, G. R. State farm museum. Pa. *Farmer* 144:387, 421. May 12, 1951. 6 P383

63503 DUTTON, A. M. What it means to be a country parson. *Countryman* [Burford] 43:379. Summer 1951. 281.28 C832

England.

63504 ELKERTON, R. W. A land agent's book-shelf. *Land Agents' Soc. J.* 50:10-11. Jan. 1951. 282.9 L22

63505 FORDE, L. Agriculture and science in the National Schools. *Agr. Ireland* 8:85, 87-88, 113, 115-116. Apr.-May 1951. 10.5 Ag8

63506 FRITZ, V. Iowa State College, avenue of advancement. *Iowa Agr.* 50:12-15. Apr. 1951. 6 Io9

63507 FRY, J. M. Mid-century milestones. Pa. *Farmer* 144:349, 358. Apr. 28, 1951. 6 P383

Extension activities in Pennsylvania.

63508 FUENZALIDA, A. La vendimia une a los agricultores en una gran familia, que eleva un canto al trabajo. *Campeño* [Santiago] 83(3):9-10. Mar. 1951. 9.3 Sol2

Chile.

63509 FUNK, E. 4-H crafts—metalhammering, weaving. *Okla. Agr. Col. Ext. C.* 542, 15 p. n.d. 275.29 Ok41C

63510 GALLUP, G. Result demonstrations extend our frontiers. *Ext. Serv. Rev.* 22:60-61, 71. Apr. 1951. 1 Ex892Ex

Farm and home demonstration method of teaching in defense mobilization.

63511 GERMANY (FEDERAL REPUBLIC, 1949-). MINISTERIUM FÜR ARBEIT UND GESUNDHEITSWESEN. HAUPTABTEILUNG ARBEIT UND SOZIALWESEN. Berufsbilder von lehrberufen aus der land- und forstwirtschaft, schädlingsbekämpfung, hauswirtschaft. Berlin, Deutscher Zentralverlag, 1950. 47 p. (Its Sozialpolitik) 275.1 G31

63512 GREEN, J. Agricultural broadcasting in the English-speaking world. *Farmers' Club J.* 1951:44-63. 10 L84

Includes discussion.

63513 GROOM, B. E. Value of international exhibits. *No. Dakotan* 26(3):3. Mar. 1951. 6 N8132

63514 HAMLIN, H. M. Official relationships of agricultural advisory groups to their school systems. *Agr. Educ. Mag.* 23:276, 283. June 1951. 275.8 Ag8

63515 HAQ, M. S. Foreign students view Iowa State. *Iowa Agr.* 50:19, 47. Apr. 1951. 6 Io9

63516 HEBERMEHL, E. Begabtenklassen in der landwirtschaftlichen berufsschule? *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:17-19. Feb. 1951. 18 N11

Germany.

63517 HERNÁNDEZ C., S. El "Zamorano." *Rev. Ganad.* [San Salvador] 10(135):11-13, 22. Feb. 1951. 8 R3292

Escuela Agrícola Panamericana.

63518 HILL, C. W. Use of time for class instruction—too much or too little. *Agr. Educ. Mag.* 23:273, 285. June 1951. 275.8 Ag8

Future Farmers of America activities and vocational agricultural classes.

63519 HUNT, R. The guiding hand in Spencer County [Kentucky]. *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 66(6): 16, 93. June 1951. 6 P945K

County agents.

- 63520 HURD, A. The Bath and West Show reviewed. *Country Life* [London] 109:1799. June 8, 1951. 80 C83
- 63521 KADEK, M. Problems of the Latvian Academy of Sciences in 1950. (In Russian.) *Latv. PSR Zinātņu Akad. Vest.* 1:33-39. 1950. 511 R442
- 63522 KEIM, J. F. Communism and German youth. *Pa. Farmer* 144:442-443. May 26, 1951. 6 P383
- 63523 KENNARD, E. A. Understanding people of other lands. In U. S. Extension Serv. Conference report on Extension experiences around the world, p.9-15. Washington, 1951. 1 Ex892C
- 63524 KLEBER, G. Aus der arbeit einer mütter-schule. *Landfrauenarbeit* 1951:17-18. Jan. 20, 1951. 18 L2347
- Germany.
- 63525 KLEE, A. Beispielsbetrieb und werkunterricht an der landwirtschaftsschule. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:44-45. Apr. 1951. 18 N11
- Germany.
- 63526 KLEPS, G. Mehr aufbauschulen für die land-schuljugend. *Hannoversche Land- u. Forstwirt. Ztg.* 103:964. Oct. 28, 1950. 18 H194
- 63527 KNOX, M. C. The veteran farm trainee in Washington. *Agr. Educ. Mag.* 23:287. June 1951. 275.8 Ag8
- The Institutional On-Farm Training Program in the State of Washington.
- 63528 KOTZERKE. Die berufsausbildung zum prakti-schen landwirt. *Hannoversche Land- u. Forstwirt. Ztg.* 103:1060-1061. Nov. 25, 1950. 18 H194
- 63529 KUECK, E. The people are ready—are we? An experiment in rural Nebraska. *Rur. Church* 12(5):2-3. Dec. 1950/Jan. 1951. 281.28 R885
- Church activities.
- 63530 KUGLER, H. L. Here are ways to display magazines. *Better Farming Methods* 23(7):54,56. July 1951. 58.8 B46
- Extension work.
- 63531 KULL, R. R. You too, can be a county agent columnist. *Better Farming Methods* 23(6):10,12. June 1951. 58.8 B46
- 63532 KURZ, N. F. Here's what land grant colleges mean to ag students. *Mo. Col. Farmer* 43(6):14. Mar. 1951. 6 M691
- 63533 LENZ, A. Ein blick auf die kommende Wiener Frühjahrsmesse. *Landwirtschaft* 1951:44-45. Feb. 1951. 19 L235
- 63534 LOTZ. Gedanken zur vorbereitung und durch-führung von lehrfahrten. *Hannoversche Land- u. Forst-wirt. Ztg.* 104:84. Jan. 27, 1951. 18 H194
- 63535 LOWE, D. L. Lagrange Larger Parish. *Rur. Church* 12(5):3-4. Dec. 1950/Jan. 1951. 281.28 R885
- Indiana.
- 63536 MAAS. Der rundfunk im beratungsdienst. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:20-21. Feb. 1951. 18 N11
- Germany.
- 63537 MACKAY, D. M., and CRAM, J. S. An Ag Rep's diary. *Macdonald Col. J.* 11(7):14-16. Mar. 1951. 101 M144
- Extension work in Hants County, Nova Scotia.
- 63538 MCKAY, G. Remember the score card when building display booths. *Better Farming Methods* 23(7):12,14-15. July 1951. 58.8 B46
- 63539 MANN, D. Here's how you can start [a] com-munity health council. *Kans. Farmer* 88(8):8,32. Apr. 21, 1951. 6 K13
- 63540 MANN, D. Living up to better health. Let's see what they do about it at the Annual State 4-H Camp. *Kans. Farmer* 88(11):4,23. June 2, 1951. 6 K13
- 63541 MARTILLI, M. Greater impulse to profession-al instruction of peasants. (In Italian.) *Agr. Ital.* 2:60-61. Feb. 1, 1951. 16 Ag822
- 63542 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. The Extension Serv-ice in Massachusetts. *Mass. U. Agr. Ext. L.* 172, rev., 6 p. Mar. 1951. 275.29 M381L
- 63543 MATELA, A. G. Community improvement through the schools. *Plowman* 7:4-5, 39-40. Jan./Feb. 1951. 276.8 P72
- Philippines.
- 63544 MURPHY, F. D. Problems of rural medical care. *Minn. Med.* 34:433-436. May 1951. 448.8 M66
- 63545 NEUBAUER, E. Auf die jugend kommt es an. *Hannoversche Land- u. Forstwirt. Ztg.* 104:87. Jan. 27, 1951. 18 H194
- Education.
- 63546 NIEDERFRANK, E. J., and JOHNSTON, H. L. Health education for home demonstration work during these times. Washington, U. S. Ext. Serv., 1951. 4 p. 1.913 A5H34
- Presented at Home Demonstration Conference on "Strengthening Homes in The Emergency," Washington, D. C., Apr. 1951.
- 63547 NOEL-BUXTON, LORD. Time off to learn? There are at present few facilities for the technical ed-ucation of 90 per cent. of the people employed by the agri-cultural industry. Fuller production demands that this gap be filled. *Farmers Wk.* [London] 34(20):57. May 18, 1951. 10 F2226
- 63548 PAGANI, A. The faculty of agricultural sci-ences. (In Italian.) *Mondo Agr.* 2(14):3. Apr. 8, 1951. 16 M74
- Italy.
- 63549 PARRI, E. School and the young peasants. (In Italian.) *Lotte Contadine* 2(6):1-2. Apr. 10, 1951. 16 L91
- Italy.
- 63550 PERRON, M. A. Le premier journaliste agri-cole canadien-français. *Foyer Rur.* [Montreal] 10(6):4,24. Mar. 1951. 7 F83
- Joseph Perrault.
- 63551 PETRICH. Wirtschaftsberatung international gesehen! *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:33-34. Mar. 1951. 18 N11
- 63552 RICHARZ. Ein neues unterrichtsfach: "bäuer-liches werken." *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:25-26. Mar. 1951. 18 N11
- Shop work in agricultural schools in Germany.
- 63553 RITTER. Fortbildungslehrgang für landwirt-schaftslehrer. *Hannoversche Land- u. Forstwirt. Ztg.* 103:1061,1121. Nov. 25-Dec. 9, 1950. 18 H194
- 63554 ROBINSON, H. M. Talking good health; the fourth 'H'. *Esso Farm News* 10(3):20. May/June 1951. 6 Es72
- 63555 ROSSITER, F. J. The interest of the United States Department of Agriculture in the conference. In U. S. Extension Serv. Conference report on Extension experiences around the world, p.4-5. Washington, 1951. 1 Ex892C
- 63556 SCHALT, W. Mehr diplomgärtner als lehrer an landwirtschaftsschulen? *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:45-46. Apr. 1951. 18 N11
- Germany.
- 63557 SCHAUB, I. O. Extension work in Germany. In U. S. Extension Serv. Conference report on Extension experiences around the world, p.8-9. Washington, 1951. 1 Ex892C
- 63558 SCHLUP, L. A. Footnotes to the emergency job of extension information. Washington, U. S. Ext. Serv., 1951. 5 p. 1.913 I2Sch3
- Talk before Extension editors of the Eastern States, New York City, Apr. 25, 1951, as part of a panel discussion of the agricultural mobilization program.
- 63559 SCHMID, G. Zum besuch der landwirtschafts-schulen. *Württemb. Wchnbl. f. Landwirt.* 118:281. Apr. 7, 1951. 18 W96
- 63560 SCHNEEBERGER, P. Der amerikanische farmer und der österreichische bauer. *Landarb. Arch.* 6:125-129. Apr. 1951. 283.8 L23
- 63561 SCHWEIFER, K. Kulturförderung im Wald-viertel. *Landwirtschaft* 1951:45-46. Feb. 1951. 19 L235
- Education and agricultural policy.
- 63562 SKILBECK, D. Training for farming. *Times Survey Brit. Agr.* 1951:5. Mar. 1951. 10 T48
- 63563 STEINBÖCK, G. Unsere bauernjugend in Wien; 5 jahre "ländliches fortbildungswerk." *Landwirtschaft* 1951:123-125. Apr. 1951. 19 L235
- 63564 SUTTON, W. A., and CAIN, E. G. Awards! good or bad? *Prog. Farmer, Miss.-Ark.-La. Ed.* 66(5):29. May 1951. 6 So81
- 63565 THROM. Die mitarbeit der landwirtschaftl. berufsschule in der lehrlingsausbildung. *Nachr. f. Bera-tung u. Ausbild. in der Landwirt.* 4:26-27. Mar. 1951. 18 N11
- Germany.
- 63566 TORRES FILHO, A. The spread of professional agricultural education is fundamental to the economic ex-pansion of Brazil. (In Portuguese.) *Seleç. Agr.* 6(58):5-10. Feb. 1951. 9.2 Se4
- 63567 TURNER, W. Die ausbildung der landwirt-schaftsingenieure. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:19-20. Feb. 1951. 18 N11
- 63568 TUTTLE, D. Women of the world look to America. *Ext. Serv. Rev.* 22:54,71. Apr. 1951. 1 Ex892Ex

- 63569 UNDERWOOD, E. J. Agricultural education in Western Australia. *Westralian Farmers Co-op. Gaz.* 20: 141,143-144. Mar. 1951. 280.28 W522
- 63570 U. S. EXTENSION SERV. Conference report on Extension experiences around the world, Washington, D. C., May 16-20, 1949. Washington, 1951. 208 p. Ref. 1 Ex892C
- U. S. Office of Foreign Agricultural Relations cooperating.
- 63571 U. S. EXTENSION SERV. Rural areas and defense programs (Some current information for news letters, program planning, and other uses), by E. J. Niederfrank. Washington, 1951. 4 p. 1.913 A5R88
- 63572 U. S. OFF. OF EDUCATION. The advisory council for a department of vocational agriculture. U. S. Off. Educ. Vocat. Div. B. 243,28 p. 1951. 173 V85B
- 63573 VAN WAGENEN, J., JR. York Stater visits a Vermont town meeting. *Rur. New-Yorker* 101:282, 294-295. Apr. 21, 1951. 6 R88
- 63574 VISSER, D. F. Development of the Story County Cow College. *Iowa Agr.* 50:17,38,40-41. Apr. 1951. 6 I69
- Iowa State College of Agriculture.
- 63575 VRUWINK, H. J. County agents will find good office equipment saves valuable time. *Better Farming Methods* 23(7):26,28. July 1951. 58.8 B46
- 63576 WILSON, M. L. Scope and objectives of the conference. In U. S. Extension Serv. Conference report on Extension experiences around the world, p.2-4. Washington, 1951. 1 Ex892C
- 63577 ZULLIGER, H. Die erziehung der bauernjugend. *Prakt. Bäuerin* 1:60-94. 1950. 281.28 P88
- Germany.
- 63578 ZUTAVERN, O. Bericht über den einsatz eines beratungstechnikers. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:15-17. Feb. 1951. 18 N11
- Germany.
- Rural Organizations and Movements
- 63579 ABBING, C. P. Les réalisations coopératives agricoles en Hollande. *Inst. Prov. de Coop. Agr. B.* 5:13-28. Apr. 1951. 280.29 L62
- 63580 ABRAHAMSEN, M. A. Purchasing co-ops plan for defense. *News Farmer Coop.* 18(2):7,14-15. May 1951. 166.2 N47
- 63581 AHMED, A. Progress of the idea of multipurpose co-operative society. *Co-op. & Mktg. Rev.* 5:26-31. Jan. 1951. 280.28 C78243
- India.
- 63582 AUDIGE, B. L'organisation professionnelle et ses divers combats pour la survivance de son action. *Liberation Paysanne* 8(312):5. May 17, 1951. 14 L61
- France.
- 63583 BAKKEN, E. H. FFA and Boy Scouts—partners. *Better Farming Methods* 23(6):14,16. June 1951. 58.8 B46
- 63584 BOMBAY PROVINCIAL CO-OPERATIVE INSTITUTE. Proceedings of the Bombay Provincial Co-operative Conference, twentieth session, held at Dharwar on 4th and 5th November 1950. *Bombay Co-op. Q.* 34:149-198. Jan. 1951. 280.28 B63
- Includes discussion of agricultural cooperatives.
- 63585 BRIGGS, H. M. Young farmers in the Isle of Man. *Manx J. Agr. (n.s.)* 5(3):36-39. Jan. 1951. 10 M312
- Young Farmers' Clubs.
- 63586 BROSSARD, D. Co-operatives in the Caribbean: an area survey. (Sum.) *Caribbean Comn. Mon. B.* 4:716-722. Mar. 1951. 280.9 C19
- 63587 BROWN, H. Teamwork builds Walton County, Ga.] agriculture. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(3): 15,24. Mar. 1951. 6 P945G
- 63588 CASA PACHECO, MARQUÉS DE. La cooperación en el campo. *Ganadería [Madrid]* 9:76. Feb. 1951. 49 G15
- Agricultural cooperative in Badajoz.
- 63589 CASALINI, M. Agricultural technicians and cooperation. (In Italian.) *Mondo Agr.* 2(1):4. Jan. 7, 1951. 16 M74
- Italy.
- 63590 CASALINI, M. The National School of Agricultural Cooperation. (In Italian.) *Agr. Ital.* 2:179-180. Apr. 1, 1951. 16 Ag822
- 63591 CHAND, M. Co-operation in Asia and the Far East. *Rev. Internat. Coop.* 44:106-112. May 1951. 280.28 In8B
- 63592 CHAND, M. Co-operative movement in South-East Asia. *Indian Co-op. Rev.* 16:333-343. Oct./Dec. 1950. 280.28 In2
- 63593 CHASERANT, G. L'évolution économique et la concentration coopérative. *Bouches du Rhône Agr.* 23 (1048):1-2. Apr. 2, 1951. 14 B662
- 63594 DORNBERGER, P. Bauernmessen verbessern die versorgung auf dem lande. *Versorgung* 5:56-57. Mar. 1951. 280.8 V61
- Rural consumer cooperatives in the Russian Zone of Germany.
- 63595 DURHAM, B. Clifton [Texas] Future Farmers excel. *Future Farmer* 23(10):12-13. May 1951. 4 F983
- 63596 EASTERBROOK, L. F. Let's learn from each other. *Farmers' Wk. [London]* 34(18):51,53. May 4, 1951. 10 F2226
- 4-H Clubs of America.
- 63597 FIGUEROA FONTICOBÁ, L. Cooperativismo y haciendas por cooperación. *Comt. Nac. del Café. B.* 4: 291-332. July/Sept. 1950. 68.29 C732
- 63598 FLEISSNER, A. Bergbauern-arbeitsgemeinschaft! *Kärntner Bauer* 101:213-214. Apr. 15, 1951. 19 K14
- 63599 FONTANILLE, H. Les coopératives agricoles et le régime du salaire de leurs ouvriers. *Algérie Agr. et Vitic.* 29(1165):1. Apr. 28, 1951. 24 AL37
- 63600 FRIEDMANN, G. More on rural cooperation. II. (In Italian.) *Mondo Agr.* 2(2):3. Jan. 14, 1951. 16 M74
- Italy.
- 63601 FRUIT GROWERS SUPPLY CO. Annual report, 1950. Los Angeles, 1950. 40 p. 81 F94
- 63602 GABOTTO, L. A happy country; the miracles of cooperation in agriculture. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:34-36. Feb. 15, 1951. 16 C72
- Denmark.
- 63603 GRIMLEY, O. B. Co-operatives in Norway. *Oslo, Co-op. Union & Wholesale Soc., 1950.* 178 p. 280.2 G88C
- Includes agricultural cooperatives.
- 63604 GROVES, F. A story of co-operatives. *Wis. Country Mag.* 44(7):10-12. Apr. 1951. 276.8 St9
- History.
- 63605 HAUPTMANN, R. E. Our chapter keeps contact with former members in service. *Agr. Leaders' Digest* 32(5):12-13. May 1951. 275.28 Am3
- Future Farmers of America.
- 63606 HAY, D. G., and POLSON, R. A. Rural organizations in Oneida County, New York. N. Y. (Cornell) *Agr. Expt. Sta. B.* 871,56 p. 1951? 100 N48C
- 63607 HECKMAN, J. H. Who'll take the place of the "grand old men"? *Pacemaker* 9(10):2. May 15, 1951. 280.28 P113
- Cooperative organization management.
- 63608 HEIZER, J. M. Workshop looks for keys to better teaching. *News Farmer Coop.* 18(2):15. May 1951. 166.2 N47
- Farmer Cooperative Education Workshop at Louisville, Ky.
- 63609 HELINE, O. How should our co-ops be organized? *Farm Policy Forum* 4(5):21-24. May 1951. 281.8 F2274
- 63610 HOFFERBERT. Bis zum ende durchdenken! *Neue Mitt. f. die Landwirt.* 6:275-276. May 5, 1951. 18 N39
- Objectives of cooperatives and improved farming methods for Germany.
- 63611 HOWARD, R. W., and CAMP, B. They can take what's ahead. *Successful Farming* 49(6):45,71-73. June 1951. 6 Su12
- Activities of Junior Farm Bureau groups in Michigan.
- 63612 KNUTI, L. L. Educational objectives of the F.F.A. *Agr. Educ. Mag.* 23:271,287. June 1951. 275.8 Ag8
- 63613 KRISHNASAMY, O. R. The role of co-operation in rural welfare. *Madras J. Co-op.* 42:325-329. Dec. 1950. 280.28 M26
- 63614 LEBEAU, O. R. Nominating directors varies with co-ops. *Grain Prod. News* 3(10):13,23. Apr. 1951. 286.81 G764
- 63615 LIPSET, S. M. Agrarian socialism: the Cooperative Commonwealth Federation in Saskatchewan, a study in political sociology. Berkeley, U. Calif. Press, 1950. 315 p. 280.137 L66
- 63616 MONIN, P. L'avenir de la coopération en agriculture. *Unité Paysanne* 6(273):1,6. Feb. 17, 1951. 14 Un3
- 63617 MUDALIAR, M. V. A survey of co-operation in Madras. *Madras J. Co-op.* 42:330-335. Dec. 1950. 280.28 M26
- 63618 NATESAN, P. How to promote co-operation. *Madras J. Co-op.* 42:418-423. Feb. 1951. 280.28 M26

- 63619 NATIONAL FARMERS' UNION. Combined year book, 1951, comprising: annual report, list of office holders, agricultural statistics. London, 1951. 182, 77, 25 p. 280.83 N21R
- 63620 NEUTER, DE. Le financement des coopératives agricoles. Inst. Prov. de Coop. Agr. B. 5:29-43. Apr. 1951. 280.29 L62
- 63621 NEW SOUTH WALES. REGISTRAR OF CO-OPERATIVE SOCIETIES. Report for the year ended 30th June, 1948. Sydney, 1950. 27 p. 280.29 N47
- 63622 PEER, G. S. Getting necessary supplies. News Farmer Coop. 18(2):6, 21. May 1951. 166.2 N47
- 63623 PLANTE, A. Association professionnelle et coopératives. Terre de Chez Nous 23(7):8-9. Apr. 11, 1951. 7 T27
- Canada.
- 63624 RAJA, P. S. K. Alamuru in the co-operative field. Madras J. Co-op. 42:305-308. Dec. 1950. 280.28 M26
- 63625 RAJA, P. S. K. Our experience in the co-operative field. Madras J. Co-op. 42:436-440. Feb. 1951. 280.28 M26
- 63626 RAO, R. S. Advice to co-operators in Travancore-Cochin. Madras J. Co-op. 42:475-482. Mar. 1951. 280.28 M26
- 63627 REBIFFÉ, J. La coopération agricole aux Pays-Bas. Défense Agr. de la Beauce et du Perche 48: 185-186. May 5, 1951. 14 D36
- 63628 RONCHI, V. Discouraging historical organizational comparisons. (In Italian.) Mondo Agr. 2(1):1. Jan. 7, 1951. 16 M74
- Italy.
- 63629 ROTH, G. Farmers breathe life into dying town. Grain Prod. News 3(10):16-17. Apr. 1951. 286.81 G764
- Cooperatives in a South Dakota town.
- 63630 ROYAL HIGHLAND AND AGRICULTURAL SOCIETY OF SCOTLAND. Transactions; with an abstract of the proceedings at board and general meetings, and the premiums offered by the society in 1950; ser. 5, v. 62. Edinburgh, 1950. 353, 99, 87 p. 10 H536
- 63631 SCHOBEL, A. Die genossenschaftsrevision im dienste der bäuerlichen wirtschaft. Landwirtschaft 1951: 47-48. Feb. 1951. 19 L235
- Austria.
- 63632 SCHOBEL, A. Ratfissens gelöbnis und erfüllung, märz 1818-märz 1888. Landwirtschaft 1951:85-86. Mar. 1951. 19 L235
- 63633 SCHOBEL, A. Die volks- und staaterhaltende kraft der landwirtschaftlichen genossenschaften. Landwirtschaft 1951:8-9. Jan. 1951. 19 L235
- Austria.
- 63634 SERPIERI, A. Agricultural cooperation. (In Italian.) Mondo Agr. 2(8):1. Feb. 25, 1951. 16 M74
- Italy.
- 63635 SERPIERI, A. The cooperative sector. (In Italian.) Riv. di Econ. Agr. 6:103-114. 1951. 281.8 R52
- English summary.
- 63636 SIERAKOWSKY, H. Problems of the German co-operative movement. Rev. Internat. Coop. 44:120-124. May 1951. 280.28 In8B
- 63637 SMITH, J. G. Hatch your nest egg early. Future Farmer 23(9):16-17. Apr. 1951. 4 F983
- Plainview, Texas, Future Farmers of America and their projects.
- 63638 SOCIEDADE RURAL BRASILEIRA. Reports of Messrs. Francisco Malta Cardozo and Gabriel Pérez Figueredo, president and treasurer respectively, presented at the General Ordinary Assembly on March 1, 1951. (In Portuguese.) Soc. Rur. Bras. Rev. 31(364):18-32, 34, 36-39. Mar. 1951. 9.2 B733
- 63639 SÜHLER, G. Landjugend und ihre organisationen in Schweden. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:32-33. Mar. 1951. 18 N11
- 63640 SWEANY, H. P. F. F. A. objectives—is revision in order? Agr. Educ. Mag. 23:270-271. June 1951. 275.8 Ag8
- 63641 SYLVESTRE, I. Trois coopératives florissantes du Comté de Papineau. Ensemble! 12(3):15-21. Mar. 1951. 280.28 En7
- Agricultural.
- 63642 SZMIDT, W. Les coopératives agricoles de production en Bulgarie. (In Czech.) Interagra 4:375-402. 1950. 28 In825
- French summary.
- 63643 TORRES FILHO, A. Organization of the rural class. (In Portuguese.) Seleç. Agr. 6(59):5-10. Mar. 1951. 9.2 Se4
- Brazil.

- 63644 UGANDA. REGISTRAR OF CO-OPERATIVE SOCIETIES. Annual report for the year ended 31st December, 1949. Entebbe, 1950. 12 p. 280.29 Ug1
- 63645 U. S. EXTENSION SERV. 4-H Clubs build the citizens of tomorrow, by G. L. Warren. n.p. 1950. 7 p. 275.2 W252
- Published in the County Officer, May 1950.
- 63646 U. S. EXTENSION SERV. A suggestion for National 4-H Club Week, March 3-11, 1951, highlighting the 1951 4-H defense mobilization program. Washington, 1951. 2 p. 1.913 F3Su342
- 63647 VISOCCHI, V. Modern developments in agricultural cooperation. (In Italian.) Lotte Contadine 1(3): 5. Aug. 5, 1950. 16 L91
- 63648 VOORHIS, J. Cooperatives: bulwark of a free democracy. Rur. Electr. 9(7):15, 50. Apr. 1951. 335.8 N21
- 63649 WADHAM, S. M. The background of co-operation. Queensland Co-op. 5(13):11, 14. Dec. 14, 1950. 280.28 Q3
- 63650 WALLS, C. E. S. British Columbia Federation of Agriculture. Country Life [Vernon] 35(3):1-2, 20-21. Mar. 1951. 7 C832
- 63651 WATSON, G. L'agriculture et les organisations internationales. Rev. de l'Agr. 4:406-414. Apr. 1951. 13 R322
- English summary.

RURAL SOCIAL PSYCHOLOGY

- 63652 KOLB, J. H., and DAY, L. J. Interdependence in town & country relations in rural society. Wis. Agr. Expt. Sta. Res. B. 172, 52 p. Dec. 1950. 100 W75
- 63653 LANDIS, P. H. Two generations of rural and urban women appraise marital happiness. Wash. Agr. Expt. Sta. Rur. Sociol. Ser. Family 2, 20 p. Mar. 1951. 100 W27E
- 63654 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Movies of family living and healthy development. Wash. State. Col. Ext. Mimoeg. 1012, 1 p. Apr. 1951. 275.29 W27M1
- 63655 WILSON, C. M. Why farmers will stop communism. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(5):118. May 1951. 6 P945K

TRADE, FOREIGN AND INTERNATIONAL

- 63656 ALCARAZ LUNA, M. Los aceites esenciales revalorizan las exportaciones de plantas medicinales y aromáticas. Rev. Sind. de Estad. 5(20):14-16. Oct./Dec. 1950. 263 Es8B
- Spain.
- 63657 ANDERSSON, A. Fodder imports loss account. (In Swedish.) Sweden. Stat. Jordbrnamnd. Jordbrekon. Meddel. 13:55-58. Feb. 1951. 257.3 J76
- 63658 AUSTRIA. STATISTISCHES ZENTRALAMT. Statistik des aussenhandels Österreichs, 1950. Wien, 1951. 142 p. 266 St22S
- 63659 BARON, D. Bacon contracts and defaults. Farmer's Mag. 48(2):52. Feb. 1951. 7 C165
- Canadian-British contract.
- 63660 BEILBY, O. J. Trends in Irish cattle imports. Scot. Dept. Agr. Scot. Agr. Econ. 1:46-50. 1950. 281.9 Sco3S
- 63661 BISSONNET, A. P. Most important food crops in Pakistan are wheat and rice. Foreign Trade 9:1028-1029. June 9, 1951. 286.8 C162
- Trade.
- 63662 BOYD, G. A. Balancing of Guadeloupe trade depends on staple crop sales. Foreign Trade 9:1026-1027. June 9, 1951. 286.8 C162
- 63663 BREART, G. Pour l'organisation européenne des marchés agricoles, les invitations sont lancées. J. de la France Agr. 7:1449, 1451. Mar. 30/Apr. 5, 1951. 14 J829
- 63664 BUTTERWORTH, C. E. Large coffee exports assist in restoring Ethiopian economy. Foreign Trade 9:968-970. June 2, 1951. 286.8 C162
- 63665 BUTTERWORTH, C. E. Market opportunities provided by Ethiopian development projects. Foreign Trade 9:1030-1032. June 9, 1951. 286.8 C162
- Trade.
- 63666 CALLOW, E. H. Commonwealth contributions and British requirement of bacon. Brit. J. Nutr. 4:82-83. 1950. 389.8 B773
- 63667 CALZECCHI-ONESTI, A. Fruit and vegetable exports. (In Italian.) Glor. di Agr. 61:89. Mar. 25, 1951. 16 It1G
- Italy.

- 63668 CÁMARA OFICIAL DE COMERCIO Y NAVEGACIÓN DE BARCELONA. Memoria comercial del año 1949, tomo II. Barcelona, 1950. 453 p. 287 B23
Trade statistics.
- 63669 CANADA. BUR. OF STATISTICS. Exports, December, 1950 and twelve months ended December, 1950. Ottawa, 1951. 177 p. 253 St25Tep
- 63670 CANDIOLI, P. Trends in the fruit industry: exports. (In Italian.) Colt. e Gior. Vinic. Ital. 97:50-51. Feb. 28, 1951. 17 C72
- 63671 CAPSTICK, E. Commonwealth contributions and British requirement of dairy produce. Brit. J. Nutr. 4:86-88. 1950. 389.8 B773
- 63672 CEYLON CHAMBER OF COMMERCE. Annual report and accounts 1950. Colombo, 1950. 87 p. 287 C33A
Includes trade statistics for agricultural products.
- 63673 CHAPRON, C. Où le problème des prix cesse d'être un problème économique; l'agriculture française doit-elle produire pour exporter? Unité Paysanne 6(282):1,6. Apr. 21, 1951. 14 Un3
- 63674 CLARKE, C. H. Commonwealth contributions and British requirement of edible fats and oils. Brit. J. Nutr. 4:88-91. 1950. 389.8 B773
- 63675 COCOA—Brazil's third export product. II. So. Amer. J. 149:187. Apr. 21, 1951. 280.8 So86
- 63676 CRAMSIE, A. V. Post mortem on "a piece of cheese." Grocer 172(4655):26. May 26, 1951. 286.83 G895
British cheese trade.
- 63677 CUBA. MINISTERIO DE HACIENDA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Comercio exterior, 1948. Habana, 1950. 379 p. 254.8 C893
- 63678 DOLBERG, J. P. Considérations générales sur la première expédition d'agrumes à destination du Canada. Chambre d'Agr. de Casablanca. B. 22(240):13-15. Apr. 1951. 24 C26
- 63679 DUNBABIN, M. I. Canadian agricultural trade—1950. Econ. Annal. 21:64-67. June 1951. 281.8 Ec72
- 63680 EKSTRÖM, J. One year of free textile trade. (In Swedish.) Textil och Konfektion 8(2):1-19, 24. Mar. 1951. 304.8 T3192
English summary, p. 37.
- 63681 EMMEL. Neue zölle für molkererprodukte und eier; ergebnis der internationalen zollkonferenz in Torquay. Milch- Fettwaren- Eierhandel 3:141. May 8, 1951. 286.85 M59
- 63682 EMMEL. Torquay vor dem abschluss. Eier-, Wild-, Geflügel- u. Honig-Markt 3(8):1. Feb. 22, 1951. 280.38 E13
- 63683 FERLENUS, G. R. Swedish apples to England. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 1951:12-13. 86 Sv2F
- 63684 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. Le commerce extérieur des Pays d'Outre-Mer de l'Union Française en 1949. France. Serv. Colon. des Statist. B. Mens. de Statist. d'Outre-Mer. Sup. Sér. Études 19:1-XLVIII. Nov. 25, 1950. 260 St223Be
- 63685 GT. BRIT. BOARD OF TRADE. Overseas trade of the United Kingdom; statistics relating to trade with seventy overseas countries for the year 1950 with comparative figures for 1948 and 1949. London, 1951. 167 p. 256.03 T67Ov
- 63686 GREEN, A. Commonwealth contributions and British requirement of cereals. Brit. J. Nutr. 4:79-82. 1950. 389.8 B773
- 63687 GUIZA Y AZEVEDO, J. El garbanzo y el Sud-Pacífico. Confed. de Cám. Nac. de Com. Carta Semanal 14(719):26. Mar. 31, 1951. 286.8 C76
Trade possibilities with Spain.
- 63688 HAISMA, J. P. Entrepreneurs and services for seed potato export. II. (In Dutch.) Friesch Landbbl. 48:218. Mar. 30, 1951. 12 F91
- 63689 HAMMOND, J. Commonwealth contributions and British requirement of meat. Brit. J. Nutr. 4:77-79. 1950. 389.8 B773
- 63690 HEYWOOD, R. H. Australia's contribution to the British diet. Brit. J. Nutr. 4:53-56. 1950. 389.8 B773
- 63691 HOPKIRK, C. S. M. New Zealand's contribution to the British diet. Brit. J. Nutr. 4:57-63. 1950. 389.8 B773
- 63692 HUDSON, S. C. International trade in relation to Canadian agriculture. Econ. Annal. 21:62-63. June 1951. 281.8 Ec72
- 63693 L'IMPORTATION et l'exportation de produits agricoles et horticoles en 1950. III-IV. Agriculteur 55(15):4(16):5. Apr. 15, 22, 1951. 13 B63P
Belgium.
- 63694 IRAN. MINISTÈRE DES FINANCES. ADMINISTRATION GÉNÉRALE DES DOUANES. Statistique annuelle du commerce extérieur de l'Iran en 1328 (21 mars 1949 à 20 mars 1950). Téhéran, 1950. 547 p. 269 P43
- 63695 KAMP, J. B. VAN DER. L'organisation internationale du développement de la vente des produits agricoles tropicaux. (In Dutch.) Econ.-Statist. Ber. 36:244-247. Mar. 28, 1951. 280.8 Ec722
French summary, p. 235.
- 63696 KEILLING, J. Quelques aspects du problème des exportations laitières. Unité Paysanne 6(272):1,6. Feb. 10, 1951. 14 Un3
France.
- 63697 LACOSTE, R. Reciprocal world trade—a struggle for survival. West. Canner & Packer 43(7):49-50, 52, 54-56. June 1951. 286.83 W522
Includes discussion of fruit and vegetable trade.
- 63698 LAURENT, R. A leur retour du Canada, MM. de Novion et Dolberg font le point de "l'expérience agrumes" tentée sur le marché canadien. Inform. Marocaine 529:1,4. Mar. 3, 1951. 281.8 In3
- 63699 LEGHIS, L. M. Deux pays exportateurs: leur prospérité. Paysan Franç. 26(400):12-13. Apr. 1951. 14 P29
Trade statistics for the United States and Morocco.
- 63700 LUTEROTTI, A. Was zur einfuhrbeschränkungen von fruchten und gemüsen zu sagen wäre. Früchte u. Gemüse Markt 3(10):4. Mar. 9, 1951. 286.83 F9425
Germany.
- 63701 MCCULLOUGH, W. B. Uruguay is an important market for Canadian certified seed potatoes. Foreign Trade 9:724-725. May 5, 1951. 286.8 C162
- 63702 MACFARLANE, D. L. Where do we sell now? Macdonald Col. J. 11(6):2,4. Feb. 1951. 101 M144
Shut off from export contracts with the United Kingdom, Canadian farmers are anxious about their future markets.
- 63703 MAGURA, W. Grundlagen der deutschen zollpolitik nach dem kriege. Kartoffelwirtschaft 4:33-34. Feb. 2, 1951. 286.83 K14
- 63704 MÜNSTERMANN, W. Der eier-import in der krise. Milch- Fettwaren- Eierhandel 3(21,sup.):1-2. Mar. 16, 1951. 286.85 M59
Germany.
- 63705 NEUMANN, M. Zweigleisigkeit. Eier-, Wild-, Geflügel- u. Honig-Markt 3(3):1-3. Jan. 18, 1951. 280.38 E13
German egg trade.
- 63706 NORTON, L. J. Outlook for foreign markets for U. S. farm products. III. Farm Econ. 190/191:1138-1144. Mar./Apr. 1951. 275.28 IL5
- 63707 PAPI, G. U. A second path of attack on the international economic situation. (In Italian.) Agr. Ital. 2:47-50. Feb. 1, 1951. 16 Ag822
Problems of international trade.
- 63708 PAPI, G. U. Shortages and surpluses of commodities are the causes of wars. (In Italian.) Mezzogiorno Agr. 7(9):1-2. Mar. 4/17, 1951. 16 M57
International markets for agricultural products.
- 63709 ROBERTSON, J. G. Canada's contribution to the British diet. Brit. J. Nutr. 4:49-53. 1950. 389.8 B773
- 63710 ROMON, H. Une notion perdue. Nord Agr. 7(20):1. Mar. 16, 1951. 14 N75
French trade.
- 63711 SANTOS, J. N. DOS. General aspects of foreign trade. I. Cape Verde. (In Portuguese.) Portugal. Agência Geral das Colón. B. Geral das Colón. 26(311):45-58. (Concl.) May 1951. 264 Ag3
Statistics.
- 63712 SHABANA, Z. M. Competitive situation of Egyptian cotton in the American market. J. Farm Econ. 33:216-221. May 1951. 280.8 J822
- 63713 TAUPY, C. Étude sur une organisation rationnelle du marché des fruits. Fruits & Dérivés 12:21-23. First Q. 1951. 389.68 J98
Foreign trade for France.
- 63714 THOMSON, R. K. Rice is largest source of foreign exchange earnings of Thailand. Foreign Trade 9:744-747. May 5, 1951. 286.8 C162
- 63715 TOMKINS, R. G. Commonwealth contributions and British requirement of fruit. Brit. J. Nutr. 4:83-85. 1950. 389.8 B773
- 63716 TUNISIA. DIRECTION DES DOUANES. Documents statistiques sur le commerce de la Tunisie, années 1944-1945-1946. Tunis, 1951. 282 p. 270 T83D
- 63717 TURKEY. OFF. CENTRAL DE STATISTIQUE. Statistique annuelle du commerce extérieur 1949, 1-2. Commerce special; importations et exportations par pays et par nature de marchandises. Istanbul, 1950-51. 2 v. 269.9 St2Ca

- 63718 TYSSER, H. F. Brisk sale of South African fruit in Britain; distribution of bananas now free. *Farmer's Wk.* [Bloemfontein] 81:47. Apr. 11, 1951. 24 F225
- 63719 UNITED KINGDOM-DOMINION WOOL DISPOSALS LIMITED. Directors' report and accounts as at 30th June, 1950. London, 1951. 8 p. 286.3459 UH1D
- 63720 U. S. PRODUCTION AND MARKETING ADMIN. Cotton balance sheets and trade tables for selected countries. Washington, 1951. 56 p. 1.956 C82C8292
- 63721 VAN DER POST, A. P. South Africa's contribution to the British diet. *Brit. J. Nutr.* 4:63-69. 1950. 389.8 B773
- 63722 VOGT, R. Zur frage der mehlimporte. *Ernährungsdienst* 6(35):5. Mar. 29, 1951. 389.8 Er62 Germany.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 63723 APPELEYARD, P. Lunch in a nursery school. *Pract. Home Econ.* 29:278-279. June 1951. 321.8 H752
- 63724 BREITENSTEIN-MÜLLER, H. Pflege und ernährung des säuglings. *Prakt. Bäuerin* 1:35-59. 1950. 281.28 P88
- 63725 BURKE, B. S. Maternal nutrition, an environmental factor of importance to the fetus and mother as shown by dietary histories. In *Symposium on Currents in Nutrition*, University of Illinois, Chicago, 1949. Currents in nutrition; proceedings, p. 52-63. N. Y., Natl. Vitamin Found., 1950. 389.1 Sy6
Includes discussion.
- 63726 CAMPBELL, R. Babies need meat too. *Food & Nutr. News* 22(7):3. Apr. 1951. 389.8 F7332
- 63727 CLEMENTS, F. W. Infant foods. *Nutr. Rev.* 9:129-131. May 1951. 389.8 N953
Nutritive aspects.
- 63728 COFER, E. S. Food around the world. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 3, 6 p. n.d. 275.29 W522G
Cookery.
- 63729 CRONAN, M. L. Closing up shop? Points to check when closing the school lunch room for the summer. *Pract. Home Econ.* 29:281. June 1951. 321.8 H752
- 63730 DARBY, W. J. The newer hematopoietic vitamins. In *Symposium on Currents in Nutrition*, University of Illinois, Chicago, 1949. Currents in nutrition; proceedings, p. 64-77. N. Y., Natl. Vitamin Found., 1950. 389.1 Sy6
In human nutrition.
- 63731 DREISBACH, M. B., and HANDY, E. Type A and self-selected lunches in five high schools. *J. Home Econ.* 43:435-439. June 1951. 321.8 J82
- 63732 DUNNIGAN, A. A. Good food for effective Government operation. *Service* 15(9):7-10. Apr. 1951. 280.8 Se62
Cafeterias in the Federal Government.
- 63733 FLAVIN, M., and HOVEY, H. Fish facts and recipes. N. Y. Agr. Col. Cornell Ext. B. 826, rev., 8 p. May 1951. 275.29 N48E
Revised by M. Ericson.
- 63734 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. L'alimentation humaine et le coût des denrées. France. Inst. Natl. de la Statis. et des Études Econ. Études et Conjoncture. *Econ. Franç.* 6(2):12-36. Mar./Apr. 1951. 280.8 F84
- 63735 FRONTALI, G. Food ration and state of nutrition of the Italian child after the war. (In Italian.) *Quaderni della Nutr.* 11:133-155. Ref. Apr. 1950. 389.8 Q2
English summary.
- 63736 GILLMAN, J., and GILLMAN, T. Perspectives in human malnutrition; a contribution to the biology of disease from a clinical and pathological study of chronic malnutrition and pellagra in the African. New York, Grune & Stratton, 1951. 584 p. Ref. 448 G413
- 63737 GONZALEZ PUCCINI, A. El Instituto Nacional de Nutrición: realizaciones-proyectos. *Inst. Nac. de Nutr. Ser. de P.* 2, 24 p. Mar. 1950. 389.9 C17
- 63738 GREENBERG, D. M., ed. Amino acids and proteins; theory, methods, application. Springfield, Ill., Thomas, 1951. 950 p. Ref. 387.1 G82
Ch. X, Nutritional applications of amino acids, by H. J. Almquist, p. 586-648.
- 63739 HAARER, J. Die richtige ernährung unserer jüngsten. *Landfrauenarbeit* 1951:59-60. Feb. 24, 1951. 18 L2347
- 63740 HOLT, L. E., JR. Studies on B vitamin requirements of infants. In *Symposium on Currents in Nutrition*, University of Illinois, Chicago, 1949. Currents in nutrition; proceedings, p. 18-36. N. Y., Natl. Vitamin Found., 1950. 389.1 Sy6
Includes discussion.
- 63741 HORWITT, M. K. Studies on thiamine and riboflavin requirements in man. In *Symposium on Currents in Nutrition*, University of Illinois, Chicago, 1949. Currents in nutrition; proceedings, p. 1-17. N. Y., Natl. Vitamin Found., 1950. 389.1 Sy6
Includes discussion.
- 63742 JONES, H. H. Calories, what do they mean? *Veg. Messenger & Health Rev.* (ser. 8) 48:92-94. Apr. 1951. 389.8 V552
- 63743 KING, C. G. Progress in nutritional research. *Amer. Dietet. Assoc. J.* 27:380-385. Ref. May 1951. 389.8 Am34
- 63744 MCHENRY, E. W. Research on vitamin B6 brings new benefits. *Food Canada* 11(5):28, 30. May 1951. 389.8 F7323
- 63745 MILLER, E. There are no health foods. *Wash. Farmer* 76:412, 419. June 7, 1951. 6 R151
- 63746 NORTROP, M. W. "Will you walk a little faster?" said a whiting to a snail. *Amer. Dietet. Assoc. J.* 27:403-404. May 1951. 389.8 Am34
Dietetics training.
- 63747 NUTRITION SOCIETY. Proceedings, fifty-seventh scientific meeting London School of Hygiene and Tropical Medicine 28 January 1950. Commonwealth contributions to the British diet. *Brit. J. Nutr.* 4:49-93. 1950. 389.8 B773
- 63748 OSER, B. L. Method for integrating essential amino acid content in the nutritional evaluation of protein. *Amer. Dietet. Assoc. J.* 27:396-402. Ref. May 1951. 389.8 Am34
- 63749 PYKE, M. Industrial nutrition. *Nutr. Rev.* 9:97-100. Apr. 1951. 389.8 N953
- 63750 RICHARDS, L., and TREAT, N. Quantity cookery; menu planning and cooking for large numbers. Rev. ed. Boston, Little, Brown, 1951. 628 p. 389.253 R393
- 63751 STEELE, S. 4-H features farm foods. *Wis. Country Mag.* 44(7):5, 12. Apr. 1951. 276.8 St9
- 63752 SYMPOSIUM ON CURRENTS IN NUTRITION, UNIVERSITY OF ILLINOIS, CHICAGO, 1949. Currents in nutrition; proceedings of the Nutrition Symposium held at the University of Illinois, College of Medicine, November 19, 1949. New York, Natl. Vitamin Found., 1950. 128 p. (Nutrition Symposium Ser. No. 2) 389.1 Sy6
- 63753 TODHUNTER, E. N. A career in research in nutrition. *Colhecon* 6(4):7. Apr. 1951. 321.8 C68
- 63754 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Food for the family with young children. U. S. D. A. Home & Gard. B. 5, 15 p. Mar. 1951. 1 Ag84Hg
Revision of AIS-59, which it supersedes.
- 63755 VELAT, C., and others. Evaluating school lunches and nutritional status of children. U. S. D. A. C. 859, 85 p. Ref. Mar. 1951. 1 Ag84C
O. Mickelsen, M. L. Hathaway, S. F. Adelson, F. L. Meyer, and B. B. Peterkin, joint authors.
- 63756 VILTER, R. W. Pyridoxine deficiency syndrome in man precipitated by low B complex diet and desoxyypyridoxine. In *Symposium on Currents in Nutrition*, University of Illinois, Chicago, 1949. Currents in nutrition; proceedings, p. 37-51. N. Y., Natl. Vitamin Found., 1950. 389.1 Sy6
Includes discussion.
- 63757 WHITING, H. How to reform your dietary; helps for beginners. *Veg. Messenger & Health Rev.* (ser. 8) 48:89-91. Apr. 1951. 389.8 V552
- 63758 WOODS, R. Nutrition in pregnancy. *Borden's Rev. Nutr. Res.* 12:47-58. Ref. May 1951. 389.8 B64
- 63759 YLVISAKER, E. N. Feeding of children in the hospital. *Food & Nutr. News* 22(7):1, 4. Apr. 1951. 389.8 F7332

FOOD HABITS

- 63760 CLARK, F., and COLVIN, E. M. Seasonal changes in city diets smaller than formerly. *Agr. Situation* 35(5):11-12. May 1951. 1 Ec7Ag

63761 DUNBAR, J., and KYLE, L. The half-starved billion and us. *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:5-6. Mar.23,1951. 275.29 In2Em
Chiefly nutrition and food habits in Asia.

63762 SHAY, F. M. Public's acceptance of health fads proves need to exploit good foods. *Sunsweet Standard* 34(12):8. May 1951. 286.83 Su7

NUTRITIVE AND VITAMIN CONTENT

63763 BRAUN, H. Untersuchungen über das vitamin C der sanddornbeere [*Hippophae rhamnoides*]. *Z. f. Vitamin-, Hormon- u. Fermentforsch.* 4:60-68. Ref. 1951. 384 Z324

English summary.

63764 BRUNET, R. Las vitaminas y el vino. *Semana Vitivinic.* 6:2. Feb.3,1951. 95.8 Se5

63765 CATALINA, L. El arroz en la alimentación humana. *Cult. Mod.* 34:56. Feb.1951. 15 C89

63766 DEUEL, H. J., JR. Nutritional value of soybeans and soybean products. In Markley, K. S., ed. *Soybeans and soybean products*, v.2, p.727-786. Ref. New York, Interscience, 1951. 60.3 M34

63767 GIACANELLI, E. Protein content and value of wheats. (In Italian.) *Molini d'Italia* 2:68-69. Feb.1951. 298.8 M73

63768 HAUN, T. H. Sea vegetation: a medical view of agriculture. *New Agr.* 33(8):12-13. May 1951. 66.8 Su32

63769 HAUN, T. H. Starvation in a land of plenty; a medical view of agriculture. *New Agr.* 33(7):12-13. Apr.1951. 66.8 Su32

Food value.

63770 HOCKETT, R. C. Sugar in relation to health. *So. African Sugar J.* 35:183,185,187,189,191,193. Ref. Mar.1951. 65.8 So8

63771 HULT, M. The cholesterol in foods—is it a threat to health? *J. Milk & Food Technol.* 14:48. Mar./Apr. 1951. 44.8 J824

63772 KOPMEYER, M. R. Rice, the most important food in the world. *Rice J.* 54(5):18,20,21,35-38. May 1951. 59.8 R36

63773 LEICHSENRRING, J. M., and WILSON, E. D. Food composition table for short method of dietary analysis (2nd revision). *Amer. Dietet. Assoc. J.* 27:386-389. May 1951. 389.8 Am34

Tables showing the nutritive value of various foods.

63774 LEIGHTON, A. E. How to vitaminize candies. *II. Food Engin.* 23(4):169,171,173,175-176. Apr.1951. 389.8 F737

63775 LUCAS, C. C., RIDOUT, J. H., and BEST, C. H. Nutritional studies with meal-meal (white Indian corn), a dietary staple associated with endemic cirrhosis. (Abs.) *Chem. Canada* 3:99. May 1951. 381 C4236

63776 MACK, P. B. Meat and the nutritional status of older persons. *Food & Nutr. News* 22(9):1,4. June 1951. 389.8 F7332

63777 MUNTONI, F. Sweets in our food diet. (In Italian.) *Molini d'Italia* 2:8-10. Jan.1951. 298.8 M73

English summary.

Nutritive value of sugar, flour, milk, butter, eggs, and chocolate contained in confectionery products.

63778 PECORA, L. J., and HUNDLEY, J. M. Nutritional improvement of white polished rice by the addition of lysine and threonine. *J. Nutr.* 44:101-112. Ref. May 10,1951. 389.8 J82

63779 PORTUGAL, H. F. The use of skimmed and soybean milk. (In Portuguese.) *Seleç. Agr.* 6(59):49-51. Mar.1951. 9.2 Se4

Nutritive value.

63780 PULKKI, L. H., PUUTULA, K., and LAURILA, U. R. The loss of thiamine in baking Finnish bread. (In Finnish.) *Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk.* 22:164-172. Ref. 1950. 20 Su7M

English summary.

63781 SZASZ, R. Enrichment of foodstuffs. (In Italian.) *Molini d'Italia* 2:58,60-61. Feb.1951. 298.8 M73

English summary.

63782 TALLARICO, G. The nutritive and health virtues of wine. (In Italian.) *Cor. Vinic.* 23(16):3. (To be cont.) Apr.21,1951. 390.8 C732

63783 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Calories from some everyday foods. *Washington, 1951?* 4 p. 1.982 A2C13

63784 VARELA FUENTES, B. Importancia de la manzana en el régimen alimenticio humano. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 8(369):15,14. May 3, 1951. 9.9 G15B

63785 WERENSKIOLD, B. Table on the nutritive value of garden plants. (In Norwegian.) *Kolonihagen* 21:46-47. Feb.1951. 80 K83

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

63786 ALBERTA. DEPT. OF AGRICULTURE. Annual report, 1949. Edmonton, 1950. 184 p. 7 AL12

63787 ALLEN, J. C. More fun with your camera. *Country Gent.* 61(6):31,98-99,101. June 1951. 6 C833

Farm photography suggestions.

63788 AUBRY, J. Essai d'un dispositif en vue de l'étude des substances d'ingestion attractives à l'égard des petits rongeurs. *Parasitica* 7:1-5. 1951. 464.8 P21

63789 BAILEY, S. F., and SMITH, L. M. Toxicity hazards. *II. Agr. Chem.* 6(6):51,53,107,109,111,113. June 1951. 381 Ag8

In economic poisons.

63790 BAITSELL, G. A., ed. The centennial of the Sheffield Scientific School. New Haven, Yale U. Press, 1950. 206 p. (Yale University. Mrs. Hepsey Ely Silliman Memorial Lectures [1949]). 330 B162

63791 BARRAU, J. La lutte contre les rats en Nouvelle-Calédonie. *Rev. Agr. de la Nouvelle-Calédonie* (n.s.) 1(11/12):4-6. Nov./Dec.1950. 25 R322

63792 BATES, M. The nature of natural history. New York, Scribner, 1950. 309 p. 442 B313

63793 BERGH, H. Naturally occurring radioactivity in some organic and inorganic agricultural materials. I-II. *Norsk Vidensk. Selsk. Forhandl.* 23(5), 5 p.; (6), 5 p. 1950. 502 T41F

I, Method of detection and results; II, Some tables and a conclusion.

63794 BOSHYAN, G. New ideas on the nature of viruses and microbes. (In Czech.) *Interagra* 4:405-420. 1950. 28 In825

English summary.

63795 CHEMICAL INSTITUTE OF CANADA. 1951 annual conference, Winnipeg, Man., June 18, 19, 20. *Chem. Canada* 3:94-106. May 1951. 381 C4236

Abstracts of papers to be given at the conference. Includes papers dealing with agricultural subjects.

63796 CRADDOCK, C. E. The wolf menace; a livestock farmer states the case for war on wolves. *Country Guide* 70(5):12,59. May 1951. 7 G76

63797 DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Films, bulletins, leaflets of the University of Delaware Agricultural Experiment Station and Extension Service. *Del. U. Agr. Ext. B.* 51, 39 p. Dec.1950. 275.29 D37

63798 DITCHMAN, J. P. Light and agriculture. *II. lum. Engin.* 46:276-282. Ref. June 1951. 291.8 II6

Effects on plants, animals, and insects.

63799 ECUADOR. MINISTERIO DE ECONOMIA. DIRECCIÓN TÉCNICA DE AGRICULTURA. Informe sobre las actividades desarrolladas desde el 1. de junio de 1949 hasta el 31 de mayo de 1950. Ecuador. *Dir. Téc. de Agr. B.* 43,37 p. Mar.1951. 9.5 Ag8B

63800 ETHEREDGE, M. P. The chemist and the growth of a nation. *Feedstuffs* 23(23):38-40,42,44,46-47. June 9,1951. 286.81 F322

63801 FEDERATION OF MALAYA. DEPT. OF AGRICULTURE. Annual report for the year 1949. Kuala Lumpur, 1951. 87 p. 22.5 F31R

63802 FIGY, C. Your Department of Agriculture. *Mich. State Hort. Soc. Annu. Rpt.* 80:16-20. 1950, pub. 1951. 81 M58

63803 HART, E. Industry able and eager to produce. *Agr. Chem.* 6(5):57,92-94. May 1951. 381 Ag8

Agricultural chemicals.

63804 HAWBECKER, E. P. Our first line of defense is our birds. *I. Ark. Gard.* 11(2):7. Spring 1951. 80 Ar42

63805 HEMMING, F. On the relevance to the availability of a name under the "Règles" of the question whether the author, when publishing that name, intended it to be available for use as a scientific name. *B. Zool. Nomencl.* 2:211-213. May 4,1951. 410 B874

63806 HUMPHREYS, G. West Virginia's Constitution. *W. Va. Agr. Col. Ext. Good Living Ser.* 18, Strengthening the Home Front. Lesson 8,8 p. 1951? 275.29 W522G

63807 HUNDLEY, J. W. Indianapolis is solving its rodent control problem. *Pest Control* 19(5):9-11,34. May 1951. 449.8 Ex8

63808 IRISH AGRICULTURAL ORGANISATION SOCIETY. Report, year ending 31st December, 1950. Dublin, 1951. 81 p. 10 Ir42

- 63809 JELMONI, E. Protect the birds useful to agriculture. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:68. Mar. 15, 1951. 16 C72
- 63810 JOHNSON, V. L. What do you pay for rats? *Atlantic Coast Line Agr. & Livestock Topics* 3(5):1-2. May 1951. 6 At63
- 63811 JONES, J. C., and BISSELL, T. L. Control rats and mice with warfarin. *Md. Agr. Col. Ext. Fact Sheet* 12,2 p. Mar. 1951. 275.29 M36FA
- 63812 KANSAS. AGRICULTURAL EXPERIMENT STATION. Publication list. *Kans. Agr. Expt. Sta. C.* 269, 4 p. Feb. 1951. 100 K13S
- 63813 KAUFMANN, A. Bauer, was weisst du von deinen helfern aus der tierwelt? *Landwirtschaft* 1951:49-50. Feb. 1951. 19 L235
- Birds in Austria.
- 63814 KHRUSHCHOV, G. An outstanding discovery in biology. (In Czech.) *Interagra* 4:462-469. 1950. 28 In825
- English summary.
- Cytology.
- 63815 KORKHAUS, R. Beitrag zur rattenbekämpfung. *Deut. Tierärztl. Wchschr.* 58:135-137. May 1, 1951. 41.8 D482
- 63816 KUHN, A. Grundriss der vererbungslehre. Ed. 2, rev. and enl. Heidelberg, Quelle & Meyer, 1950. 251 p. 443 K952
- 63817 LIEBSCHER, F. Bekämpft die wühlmaus. *Landwirtschaft* 1951:135-136. Apr. 1951. 19 L235
- 63818 MCDONNELL, C. C. Of 48 states, 43 regulate sales and 34 require annual registration, fees via pesticide laws. *Agr. Chem.* 6(6):43-45, 105. June 1951. 381 Ag8
- 63819 MACK, G. L., and BUCHHOLZ, A. B. The quality of economic poisons sold in New York State in 1950. *N. Y. (State) Agr. Expt. Sta. B.* 748, 33 p. Apr. 1951. 100 N48
- 63820 MARRIOTT, J. R. Birds and the land agent; an ecological study of their food in relation to estate economy. *Land Agents' Soc. J.* 50:63-67. Feb. 1951. 282.9 L22
- 63821 MASON, F. H. How to understand and use color. *Md. Agr. Col. Ext. Fact Sheet* 21,4 p. Apr. 1951. 275.29 M36FA
- 63822 MICHIGAN. DEPT. OF AGRICULTURE. Fourteenth biennial report for the fiscal years ending June 30, 1949, and June 30, 1950. *Lansing*, 1950. 112 p. 2 M582
- 63823 MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Wildlife conservation for fun and profit. *Mo. Agr. Col. Ext. 4-H Club C.* 101, 24 p. Ref. July 1950. 275.29 M69B
- 63824 NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. List of publications published by the New York State Colleges of Agriculture and Home Economics, and by the Cornell University Agricultural Experiment Station. *N. Y. Agr. Col. Cornell Ext. B.* 47, rev., 31 p. Apr. 1951. 275.29 N48E
- 63825 OHIO. AGRICULTURAL EXPERIMENT STATION. Available publications. *Ohio. Agr. Expt. Sta. Spec. C.* 86, 7 p. Feb. 1951. 100 Oh3S
- 63826 PHILIPPINE REPUBLIC. SECRETARY OF AGRICULTURE AND NATURAL RESOURCES. Annual report for the fiscal year ending June 30, 1949. *Manila*, 1950. 78 p. 25 P533
- 63827 PRICE, M. D. Advances in rodent control. *Food [London]* 20:210-214. June 1951. 389.8 F738
- 63828 PRINCE EDWARD ISLAND. DEPT. OF AGRICULTURE. Annual report for the year ending March 31st 1950. *Summerside*, 1951. 77 p. 7 P93A
- 63829 PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Lista de publicaciones. *Rio Piedras*? 1951. 14 p. 275.29 P96Po
- 63830 QUEBEC. MINISTRE DE L'AGRICULTURE. Rapport pour l'annee finissant le 31 mars, 1950. *Québec*, 1951. 158 p. 7 Q3
- 63831 QUIZON, P. The rat, farmers' enemy No. 1. *Philippines. Bur. Plant Indus. Plant Indus. Digest* 13(12): 15-17. Dec. 1950. 25 P544P
- 63832 SALTER, R. M. Agricultural chemicals. *Agr. Chem.* 6(5):48-49, 51, 101-105. May 1951. 381 Ag8
- 63833 SARGENT, C. A. Syracuse's PCO ordinance. *Pest Control* 19(5):12, 14. May 1951. 449.8 Ex8
- 63834 SCOTTISH AGRICULTURAL ORGANISATION SOCIETY. Report for the period 1st January 1947 to 31st December 1949. *Edinburgh*, 1950. 56 p. 10 Sco84
- 63835 SEBELIUS, H. Activities of the State Agricultural Chemical Control Institute, 1/7 1949 - 30/6 1950. (In Swedish.) *Sweden. Stat. Landbrkem. Kontanst. Meddel.* 12:1-17. 1951. 385 St6
- 63836 SOUTH CAROLINA. DEPT. OF AGRICULTURE. Year book, 1950. *Columbia*, 1951. 265 p. 2 So82
- 63837 SOUTHERN RHODESIA. DIV. OF AGRICULTURE AND LANDS. Report for the year ended 30th September, 1950. *Salisbury*, 1951. 17 p. 24 R344
- 63838 SPINKS, J. W. T. The use of tracer materials with emphasis on their use in agricultural chemistry. (Abs.) *Chem. Canada* 3:97. May 1951. 381 C4236
- 63839 TURNBULL, R. Farming with a fish-pole. *Farm J.* 75(6):74-75. June 1951. 6 F2212
- 63840 UGANDA. DEPT. OF AGRICULTURE. Record of investigations, No. 1, for the period 1st April, 1948 to 31st March, 1949. *Entebbe*, 1950. 91 p. 24 Ug12R
- 63841 U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents. *U. S. Bur. Agr. & Indus. Chem. AIC-188(sup.6)*, 21 p. Feb. 15, 1951. 1.932 A2Ag82
- 63842 WIKEN, T. Über aktuelle fragen der landwirtschaftlichen bakteriologie und gärungsbiologie. *Schweiz. Landwirt. Monatsh.* 1951:118-143. Ref. Apr. 20, 1951. 17 Sch93
- 63843 WILSON & CO., CHICAGO. Rat control; how to keep rodents out of food plants, by A. J. Steffen. *Rev. ed.* *Chicago*, 1950. 28 p. 412.7 W69

HISTORY AND BIOGRAPHY

- 63844 ANDREWS, H. W. Obituary; the death of Mr. H. Audcent. *Ent. Rec. & J. Variation* 63:99-100. May 1951. 421 En89
- 63845 BAEZ, J. R. Orígenes de la agricultura europea en el Río de La Plata; su iniciación en la frontera de Los Carios, Paraguay (siglo XVI). *Rev. Argentina de Agron.* 18:36-45. Mar. 1951. 9 R327
- 63846 BAKER, E. W., and GURNEY, A. B. Henry Ellsworth Ewing, 1883-1951. *Ent. Soc. Wash. Proc.* 53: 147-149. June 1951. 420 W27
- 63847 BELKIN, R. Creator of the leading materialistic biology, I. V. Michurin (To the 15th anniversary of his death). (In Russian.) *Moskov. Obshch. Isp. Prirody. B. Otd. Biol.* 55(5):3-10. 1950. 511 M85
- 63848 BERG, L. S. V. L. Komarov and the Geographic Society of U.S.S.R. (In Russian.) *Vsesoyuzn. Geog. Obshch. Izv.* 82:607-610. Nov./Dec. 1950. 511 L546
- 63849 BOERENDONK, N. J. La reconnaissance de la Néerlande. *Agrarpolit. Rev.* 7:251-254. Mar. 1951. 281.8 Ag824
- In honor of E. Laur.
- 63850 BONNEMANN, A. Professor Dr. Eilhard Wiedemann. *Forst u. Holz* 5:317-318. Oct. 15, 1950. 99.8 F7724
- 63851 CARDON, P. V., and WHITE, W. H. Perry Nicol Annand, 1898-1950. *J. Econ. Ent.* 44:268-270. Apr. 1951. 421 J822
- 63852 CARDON, P. V. Progress in agriculture during the last fifty years. *Washington, U. S. Agr. Res. Admin.*, 1951. 21 p. 1.965 A2C17
- Talk at Sesquicentennial Celebration, University of Georgia, Athens, Apr. 30, 1951.
- 63853 CIAMPOLILLO, M. Southern agriculture at the end of the seventeenth century. (In Italian.) *Mezzogiorno Agr.* 7(12):3. Mar. 25/31, 1951. 16 M57
- Italy.
- 63854 FUSSELL, G. E. A famous Northamptonshire farmer—Clark Hillyard, Esq., of Thorpeland, Northampton. *Land Agents' Soc. J.* 50:162-164. Apr. 1951. 282.9 L22
- 63855 FUSSELL, G. E. Sir Harry Stephen Meysey Thompson: 1809-1874. A great Victorian Yorkshireman. *Land Agents' Soc. J.* 49:539-542. Dec. 1950. 282.9 L22
- 63856 GAHAN, A. B., RUSSELL, L. M., and HEINRICH, C. H. James Chamberlain Crawford 1880-1950. *Ent. Soc. Wash. Proc.* 53:107-109. Apr. 1951. 420 W27
- 63857 GATENBY, J. B. Prof. Jan Hirschler. *Nature [London]* 167:881. June 2, 1951. 472 N21
- 63858 GOFFE, E. R. Obituary; Henri L. F. Audcent. *Ent. Mon. Mag.* 87:159. May 1951. 421 En86
- 63859 GOODIN, R. E. Potatoes in war and famine. *Farmer's Mag.* 48(5):45. May 1951. 7 C165
- Chiefly history of the potato.
- 63860 HENRY Ellsworth Ewing, 1883-1951. *J. Econ. Ent.* 44:270. Apr. 1951. 421 J822
- 63861 HERMES, A. Professor Dr. E. Laur und die deutschen bauern. *Agrarpolit. Rev.* 7:248-251. Mar. 1951. 281.8 Ag824
- 63862 HOUGHAM, G. Paul L. Vogt. *Town & Country Church* 70:10-11. Apr. 1951. 281.28 T66

- 63863 HOYT, A. S., and WHITE, W. H. Percy Nicol Annand, 1898-1950. Ent. Soc. Wash. Proc. 53:153-155. June 1951. 420 W27
- 63864 HUTCHCROFT, T. Pioneers of Iowa State College; famous men in agriculture had role in Iowa State's history. Iowa Agr. 50:18,44,46. Apr. 1951. 6 Io9
- 63865 KOTTE, W. Zum siebzigsten geburtstag Gustav Gassners. Z. f. Pflanzenkrankh. (Pflanzenpath.) u. Pflanzenschutz 58:1-2. Jan./Feb. 1951. 464.8 Z3
- 63866 LANDIS, B. Y. Jean Francois Millet. Town & Country Church 70:5-6. Apr. 1951. 281.28 T66
- 63867 LINDENAU, O. Die bedeutung von Professor Dr. med. vet. h. c. Müssemeier für die entwicklung der tierseuchenbekämpfung in Deutschland. Monatsh. f. Vetmed. 6:125-126. Apr. 1, 1951. 41.8 M742
- 63868 MALLORY, MRS. C. Sir Joseph Banks. Gard. J. 1:16-18,25,32. Jan./Feb. 1951. 80 G1635
- 63869 MORLEY, D. W. Mr. H. St. J. K. Donisthorpe. Nature [London] 167:839-840. May 26, 1951. 472 N21
- 63870 OBITUARY. Percival Frederic Harris. Entomologist 84:120. May 1951. 421 En8
- 63871 ORWIN, C. S. The evolution of farming in Britain from earliest times to the mid-nineteenth century. Gt. Brit. Min. Agr. Agriculture 58:51-57. May 1951. 10 G79J
- 63872 OTTO, I. V. Two centuries of farming in Cumberland County. Pa. Farmer 144:467,487,489,492. June 9, 1951. 6 P383
- 63873 PEARL, M. L. William Cobbett at Botley. Countryman [Burford] 43:257-265. Summer 1951. 281.28 C832
- 63874 RENCO, P. Pericles Parisi and his work. (In Italian.) Latte 25:57-58. Feb. 1951. 44.8 L35
Contains a bibliography of his publications.
- 63875 ROBINSON, D. H. Changes on the land; farming with machinery, farming with chemicals, and farming by science—all in a hundred years. Field 197:677-678. May 5, 1951. 10 F45
- 63876 WATSON, SIR J. A. S. A century of farming progress [Great Britain]. Gt. Brit. Min. Agr. Agriculture 58:58-63. May 1951. 10 G79J
- 63877 WEHRLE, H. L. Obituary; Dr. Lawrence Paul Wehrle. Ent. Soc. Amer. Ann. 44:166. Mar. 1951. 420 En82
- 63878 ZWINTZSCHER, M. Mitschurin. Orion 6:105-109. Feb. 1951. 474 Or4
- 63890 BERNAL CERICE, R. Rainfall over the past twenty-four years (1925-1948) at Central Unidad north central zone of Las Villas Province. Asoc. de Téc. Azucareros de Cuba. Proc. 23:93-103. 1949. 65.9 As5
- 63891 BURGOS, J. J. El evapotranspirometro de Thornthwaite. La Plata. U. Nac. Facul. de Agron. Rev. 27:221-231. Ref. July 1950. 9 R32
English summary.
- 63892 ÇOLAŞAN, U. E. La condition atmosphérique dans notre pays au cours de la deuxième moitié de l'année agricole 1949-1950. Türkiye Cumhuriyeti Ziraat Bankası. Uç Ayda Bir Çıkar 19:199-210. July/Sept. 1950. 280.9 T842
- 63893 COX, E. Meteorological observations for February 1951. Mass. Agr. Expt. Sta. Met. Ser. B. 746,4 p. Feb. 1951. 100 M38H
- 63894 HOBGEN, G. L. The rain and the wind. 1. Young Farmer 19:29-31. Jan./Feb. 1951. 10 Y8
Forecasting methods.
- 63895 KERÄNEN, J. The general tasks of the agricultural meteorology and the researches on the subject in Finland. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 22:141-151. Ref. 1950. 20 Su7M
English summary.
- 63896 KRICK, I. P. The procedure of artificial nucleation for purpose of increasing rainfall. Sheep & Goat Raiser 31(8):26-27. May 1951. 45.8 Sh3
- 63897 LAGOS UGALDE, J. A. Meteorología agrícola: las pintas y las camafueles. Rev. de Agr. [San José] 23:96. Mar. 1951. 8 Esl
Tropics.
- 63898 NELSON, T. M. They don't just talk about the weather; the climatologists work to help the farmer outsmart the caprice of the seasons. Iowa Farm & Home Register 1951:20H-21H. May 6, 1951. 6 Io94
- 63899 PAGE, A. C. Old weather signs. Prairie Farmer, Ill. Ed. 123(11):5. Une 2, 1951. 6 P883B
- 63900 SCHROEDER, R. Algunos apuntes sobre el uso practico de las observaciones climatológicas. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 13:32-39. Jan. 1951. 68.29 C332
- 63901 SELISHCHENSKAIA, A. A. Survey of phenological observations in spring 1950, in Leningrad. (In Russian.) Vsesoiuzn. Geog. Obsch. Izv. 82:622-623. Nov./Dec. 1950. 511 L546
- 63902 SILVA, A. F. DA. The climate of Angola. (In Portuguese.) Agros [Lisboa] 34:5-14. Jan./Feb. 1951. 15.5 Ag82
- 63903 STEINHAUSER, F. Das wetter im jahre 1950. Pflug 4:34-35. Feb. 1951. 19 P48
Austria.
- 63904 TORRECABRERA, J. Previsión del tiempo. II.-III. Cult. Mod. 34:58-59,88. Feb.-Mar. 1951. 15 C89
- 63905 U. S. CONGRESS. SENATE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. Weather control and augmented potable water supply. Joint hearings, 82d Cong., 1st sess. on S. 5... S. 222... and S. 798, Washington, D. C., Mar. 14, 15, 16, 19, and Apr. 5, 1951. Washington, 1951. 353 p.
Committee on Interstate and Foreign Commerce and Committee on Agriculture and Forestry cooperating.
Provides for research in creation of artificial precipitation, weather modification and control, and creation of industrial and agricultural water from saline water.
- 63906 WATSON, R. A. The weather of Scotland in 1949. Roy. Highland & Agr. Soc. Scot. Trans. (ser.5)62:141-149. 1950. 10 H536
- 63907 WORK, R. A., and HOUSTON, C. E. Drought, floods forecast. Elect. West 106(5):69-71. May 1951. 335.8 J82
- 63908 ZIMMERMANN, H. Hageljahr 1950—ein katastrophenjahr. Hannoversche Land- u. Forstwirt. Ztg. 103:1082. Dec. 2, 1950. 18 H194

HOME MANAGEMENT

- 63879 DUNLAP, M., and LINDSAY, C. Making wool garments. Clothing IV. Mo. Agr. Col. Ext. 4-H C. 102, 22 p. Jan. 1951. 275.29 M69B
- 63880 HENSLEY, M. L., and MORRISON, B. V. Window curtains, planning and selection. U. S. D. A. Home & Gard. B. 4,16 p. Feb. 1951. 1 Ag84Hg
- 63881 KNOCH, R. Selecting and burying children's clothes. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 9,6 p. n.d. 275.29 W522G
- 63882 KNOCH, R. Your sewing center. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 19,8 p. n.d. 275.29 W522G
- 63883 MASON, F. H. How to make draperies. Md. Agr. Col. Ext. Fact Sheet 25,4 p. Apr. 1951. 275.29 M36FA
- 63884 MULLER, M. M. Managing the home with ease and satisfaction. Minn. U. Agr. Ext. Folder 155,8 p. Apr. 1951. 275.29 M66Ex
- 63885 WEISS, G. S. How home economists can help homemakers meet the impact of the defense program. Ext. Serv. Rev. 22:53,71. Apr. 1951. 1 Ex892Ex

INTERNATIONAL RELATIONS

- 63886 HUMPHREYS, G. Let's understand FAO's program. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 2,6 p. n.d. 275.29 W522G
- 63887 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. Annual report for the year 1950. n.p., 1951. various paging. 28 In83
- 63888 PUENTE, M. España vuelve a la F.A.O.; qué es y qué pretende este organismo internacional de la O.N.U. ICA; Indus. y Com. de la Aliment. 5(61):23. Dec. 1950. 286.8 Ic1

METEOROLOGY

- 63889 ABEL, P. M. The weatherman's job. Country Guide 70(3):9,42-43. Mar. 1951. 7 G76
Forecasting service in Canada.

PERSONNEL

- 63909 U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. U. S. D. A. performance rating plan. Washington, 1950? 5 p. 1.917 A2Un37

RESEARCH

- 63910 AGRICULTURAL research in Scotland in 1949. Roy. Highland & Agr. Soc. Scot. Trans. (ser.5)62:65-103. 1950. 10 H536
- 63911 CONNECTICUT (STORRS) AGRICULTURAL EXPERIMENT STATION. Report of the Station for the year ending June 30, 1950. Conn. (Storrs) Agr. Expt. Sta. B. 271,50 p. Dec. 1950. 100 C76S

- 63912 DALMASSO, G. A large dual agricultural project is being carried out in Turin. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:65-67. Mar.15,1951. 16 C72
Research in agriculture and mechanization at Turin University.
- 63913 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. PEST INFESTATION LABORATORY. The pest infestation laboratory. n.p.,1950. 8 p. 423.92 G794
- 63914 HARDIN, C. M. The agricultural research program at Michigan State College. *Chemurg. Digest* 10(6): 12-14. June 1951. 381 N213Na
- 63915 KING, G. H. Experiment stations pay dividends; \$70 returned for each dollar invested. *Ga. Farm Bur. News* 14,i.e.13(2,i.e.3):12. Mar.1951. 275.293 Georgia
- 63916 KLEČKA, A. We have learned the secret of the success of the Soviet agricultural sciences. (In Czech.) *Interagra* 4:337-361. 1950. 28 In825
English summary.
Research.
- 63917 LIEPINS, K., and CĒBERS, K. Results of the work of the Michurinite laboratories on the collective farms in Latvian SSR in 1949. (In Latvian.) *Latv. PSR Zinātņu Akad. Vēst.* 2:45-80. 1950. 511 R442
- 63918 NEATBY, K. W. A glance at agricultural research. *Macdonald Col. J.* 11(7):2-5. Mar.1951. 101 M144
- 63919 PEĪVE, ĪA. V. Principal results of scientific research work of the Latvian Academy of Sciences in 1949. (In Russian.) *Latv. PSR Zinātņu Akad. Vēst.* 2:13-44. 1950. 511 R442
- 63920 QUACKENBUSH, A. Oldest experiment station celebrates 75th anniversary. *Amer. Statist.* 5(2):11-12. Apr./May 1951. 251.8 Am3
Connecticut Agricultural Experiment Station, New Haven.
- 63921 ROWALLAN, LORD. What is the value of farm research? *Farmer & Stock Breeder* 65(3212):39,41. May 15,1951. 10 F228
- 63922 SOUTHWEST RESEARCH INSTITUTE. Annual report, 3d. San Antonio,1950. 46 p. 330.9 So85A
Includes research relating to agriculture.
- 63923 STEHLE, H. New agricultural research centre set up for French Caribbean departments. *Caribbean Comm. Mon. B.* 4:571-576. Nov.1950. 280.9 C19
- 63924 TUVINSKAIĀ SEL'SKOKHOZJAISTVENNAĀ Ā OPYTNAĀ STANTSĪĀ. Trudy [Proceedings of Tuvinian Agricultural Experiment Station], part 2. Kyzyl,1950. 195 p. 106 T89
- 63925 U. S. AGRICULTURAL RESEARCH ADMIN. Research and related services in the United States Department of Agriculture; prepared for the Committee on Agriculture of the House of Representatives, eighty-first Congress, second session, December 21, 1950, v. 1-3. Washington,1951. 2729 p. 1.98 R314
S. Pace, chairman of Special Subcommittee of the Committee on Agriculture.

- 63926 VICKERY, H. B. The relationship of the Sheffield Scientific School to agriculture. In Baitzell, G. A., ed. The centennial of the Sheffield Scientific School, p.196-203. New Haven,Yale U. Press,1950. 330 B162
- 63927 WASHINGTON. AGRICULTURAL EXPERIMENT STATION. 60th annual report. Wash. Agr. Expt. Sta. B. 531,21 p. Dec.1950. 100 W27E
- 63928 WILLIAMS, T. I. Britain's national centre of research. *Agr. Econ.* 2(5):11-12,25-26. Jan.1951. 281.8 Ag832
National College of Food Technology dealing with various fields of agricultural research.

STATISTICS

- 63929 CLEMENS, A. Reformen in der agrarstatistik. *Statist. Praxis* 5:193-195. Dec.1950. 251.8 St25
Germany
- 63930 CONAGIN, A. Experimental delineations. (In Portuguese.) *Rev. de Agr. [Piracicaba]* 26:87-108. Mar./Apr.1951. 9.2 R324
Statistical methods.
- 63931 COX, G. M. The value and usefulness of statistics in research. Washington,U. S. D. A. Com. Expt. Design, 1951. 11 p. 1.98 V24
Lecture presented in the Department of Agriculture Auditorium, Jan. 11, 1951.
- 63932 DALENIUS, T. The use of sampling methods in the 1950 acreage survey and cattle census. (In Swedish.) *Sweden. Stat. Jordbrnamnd. Jordbrekon. Meddel.* 13:59-75. Feb.1951. 257.3 J76
English summary, p. 44.
- 63933 GARTON, J. E. A graphic solution of agricultural field sprayer problems. *Okla. Agr. Expt. Sta. Misc. P. MP-19,4 p.* Apr.1951. 100 Ok4
- 63934 IMMER, F. R. Applied statistics. Minneapolis, Burgess,1950. 157 p. 251 Im6
Agricultural.
- 63935 INDIA. DEPT. OF AGRICULTURE. Co-ordination of agricultural statistics in India. Delhi,Mgr. P., 1950. 143 p. 34.2 In29
- 63936 KNOTNERUS, C. S. On statistics. (In Dutch.) *Landbode* 5(10):3. Mar.10,1951. 12 L234
Netherlands.
- 63937 ZELLER, A. Moderne statistische praxis im landwirtschaftlichen versuchswesen. *Statist. Vrtljahres-schr.* 3:153-157. 1950. 251.8 St24

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

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Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Circulars

CLARK, J. A., and BAYLES, B. B. Distribution of the varieties and classes of wheat in the United States in 1949. U. S. D. A. C. 861,71 p. Mar.1951. 1 Ag84C

VELAT, C., and others. Evaluating school lunches and nutritional status of children. U. S. D. A. C. 859,85 p. Ref. Mar.1951. 1 Ag84C

O. Mickelsen, M. L. Hathaway, S. F. Adelson, F. L. Meyer, and B. B. Peterkin, joint authors.

Farmers' Bulletins

THARP, M. M., and ELLIS, H. H. Father-son farm operating agreements. U. S. D. A. Farmers' B. 2026,37 p. Mar.1951. 1 Ag84F

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Decay and termite damage in houses. U. S. D. A. Farmers' B. 1993,rev., 26 p. May 1951. 1 Ag84F

U. S. Bureau of Entomology and Plant Quarantine co-operating.

Home and Garden Bulletins

HENSLEY, M. L., and MORRISON, B. V. Window curtains; planning and selection. U. S. D. A. Home & Gard. B. 4,16 p. Feb.1951. 1 Ag84Hg

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Food for the family with young children. U. S. D. A. Home & Gard. B. 5,15 p. Mar.1951. 1 Ag84Hg

Revision of AIS-59, which it supersedes.

Leaflets

CORE, E. J. Border irrigation. U. S. D. A. L. 297,8 p. May 1951. 1 Ag84L

SCHAFFNER, J. V. JR. The redheaded pine sawfly [*Neodiprion lecontei*]. U. S. D. A. L. 296,4 p. Feb. 1951. 1 Ag84L

Revision of and supersedes Farmers' Bulletin 1259

Technical Bulletins

WICKERHAM, L. J. Taxonomy of yeasts. U. S. D. A. Tech. B. 1029,56 p. Ref. May 1951. 1 Ag84Te

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE. SAFETY COUNCIL. Spring Clean-Up Week, 1951. Washington, 1951. 4 p. 1.90 C3Sa1

AGRICULTURAL AND INDUSTRIAL CHEMISTRY,
BUREAU OF

COTTONSEED NUTRITIONISTS AND PROCESSORS CONFERENCE, SOUTHERN REGIONAL RESEARCH LABORATORY, 1950. Proceedings of a Research Conference on Processing as Related to Cottonseed Meal Nutrition at the Southern Regional Research Laboratory, Nov. 13-14, 1950. New Orleans?1951? 68 p. 1.9321 S2P943

DECOSSAS, K. M., DECKBAR, F. A. JR., and HECKER, J. L. Viscosities of cottonseed and peanut oil-hexane miscellas in English units. U. S. Bur. Agr. & Indus. Chem. AIC-304,6 p. 1951? 1.932 A2Ag82

U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents. U. S. Bur. Agr. & Indus. Chem. AIC-188(sup.6),21 p. Feb.15,1951. 1.932 A2Ag82

AGRICULTURAL ECONOMICS, BUREAU OF

U. S. BUR. OF AGRICULTURAL ECONOMICS. Acreage and production of vegetable seeds in 1950 and 1951. Washington,1951. 8 p. 1.941 S3V52

U. S. BUR. OF AGRICULTURAL ECONOMICS. Analysis of 17,906 fatal farm-work accidents in the United States, 1940-48, by J. D. Rush. Washington,1951. 23 p. 1.941 H22An14

U. S. BUR. OF AGRICULTURAL ECONOMICS. Animal units of livestock fed annually, 1947-48 to 1950-51. U. S. Bur. Agr. Econ. F. M. 64,rev.(sup),10 p. Apr. 1951. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Cattle on feed, April 1, 1951. Washington,1951. 2 p. 1.9 Ec742Caf

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition, and income from milk, 1949-50, by J. L. Wilson and H. M. Walters. Washington, 1951. 13 p. 1.942 D22F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, farm disposition, and value of principal crops, 1949-1950, by States. Washington,1951. 41 p. 1.9 Ec71Prf

U. S. BUR. OF AGRICULTURAL ECONOMICS. Interstate movement of dairy cattle,11 Northeastern States, 1950, by J. L. Wilson, and H. M. Walters. Washington,1951. 9 p. 1.941 M1St2

U. S. BUR. OF AGRICULTURAL ECONOMICS. Meat animals—farm production and income, 1949-50. Washington,1951. 8 p. Apr.26,1951. 1.9 Ec71Fp

AGRICULTURAL RESEARCH ADMINISTRATION

CARDON, P. V. Progress in agriculture during the last fifty years. Washington,U. S. Agr. Res. Admin.,1951. 21 p. 1.965 A2C17
Talk at Sesquicentennial Celebration, University of Georgia, Athens, Apr. 30, 1951.

COX, G. M. The value and usefulness of statistics in research. Washington, U. S. D. A. Com. Expt. Design, 1951. 11 p. 1.98 V24

Lecture presented in the Department of Agriculture Auditorium, Jan. 11, 1951.

ANIMAL INDUSTRY, BUREAU OF

SIMMONS, V. L. Milk goat questions and answers. U. S. Bur. Anim. Indus. A.H.D.46,rev.,7 p. Apr. 1951. 1.9 An52AH

U. S. BUR. OF ANIMAL INDUSTRY. Incidence of rabies in the United States, calendar year 1950. Washington,1951. 4 p. 1.972 A2In2

U. S. BUR. OF ANIMAL INDUSTRY. Independent flocks participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 139(sup),5 p. Apr.1951. 1.9 An52AH

DAIRY INDUSTRY, BUREAU OF

BURKEY, L. A., and others. Trends in the incidence of mastitis infections by different organisms. U. S. Bur. Dairy Indus. BDI-Inf-129,3 p. June 1951. 1.973 D4B34

C. R. Buckner, P. C. Underwood, and W. W. Swett, joint authors.

Abstracts of a paper presented at the meeting of the American Dairy Science Association, Knoxville, Tenn., June 5-8, 1951.

FOHRMAN, M. H., and others. Progress report of the Red Sindhi cross-breeding experiment at Beltsville, Md. U. S. Bur. Dairy Indus. BDI-Inf-128, 4 p. June 1951. 1.973 D4B34

R. E. McDowell, J. F. Sykes, and D. H. K. Lee, joint authors.

MUCHA, T. J., and BELL, R. W. Separation and recombination as a means of deferring an oxidized (cardboard) flavor in milk during frozen storage. U. S. Bur. Dairy Indus. BDI-Inf-121, 2 p. June 1951. 1.973 D4B34

Abstract of a paper presented at the meeting of the American Dairy Science Association, Knoxville, Tenn., June 6-8, 1951.

PARKER, J. B. Nomogram for evaluating mammary gland development in calves. U. S. Bur. Dairy Indus. BDI-Inf-1019, rev., 1 p. Mar. 1951. 1.9 D14Bd

THOMAS, J. W., and MOORE, L. A. Effects of feeding thyroprotein to dairy cows for successive lactations—a report of progress. U. S. Bur. Dairy Indus. BDI-Inf-127, 6 p. June 1951. 1.973 D4B34

Abstract of paper presented at the meeting of the American Dairy Science Association, Knoxville, June 6-8, 1951.

U. S. BUR. OF DAIRY INDUSTRY. Partial list of books relating to dairy farming and herd management. U. S. Bur. Dairy Indus. BDI-Inf-19, rev., 3 p. Apr. 1951. 1.973 D4B34

WEBB, B. H., and DEYSHER, E. F. Effect of storage temperature on properties of evaporated milk. U. S. Bur. Dairy Indus. BDI-Inf-122, 4 p. June 1951. 1.973 D4B34

Abstract of a paper presented at the meeting of the American Dairy Science Association, Knoxville, June 6-8, 1951.

ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

BABERS, F. H., and PRATT, J. J., JR. Development of insect resistance to insecticides. II. A critical review of the literature up to 1951. U. S. Bur. Ent. & Plant Quar. E-818, 45 p. Ref. May 1951. 1.9 En83

FULTON, R. A. Supplemental list of publications on liquefied-gas aerosols. U. S. Bur. Ent. & Plant Quar. E-814, 5 p. Jan. 1951. 1.9 En83

ROARK, R. C. A digest of information on chlordane. U. S. Bur. Ent. & Plant Quar. E-817, 132 p. Apr. 1951. 1.9 En83

SHOTWELL, R. L. Controlling grasshoppers in alfalfa with chlordane and toxaphene sprays. U. S. Bur. Ent. & Plant Quar. E-819, 19 p. May 1951. 1.9 En83

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Allethrin accepted for use in gas-propelled aerosols. Washington, 1950. 1 p. 1.967 A2AL5

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Ethylene dibromide fumigation approved as a condition for certification of certain fruits and vegetables under Hawaiian Fruit and Vegetable Quarantine No. 13. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 592, 2 p. Apr. 20, 1951. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The more important forest insects in 1950—a summary. U. S. Bur. Ent. & Plant Quar. Insect Pest Survey. Spec. Sup. 1951(4), 14 p. May 7, 1951. 1.9 En831B

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Pink bollworm [*Pectinophora gossypiella*] control. Washington, 1951? 1 p. 1.967 A2P65

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Portuguese Colony of Angola. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 591, 1 p. Apr. 5, 1951. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the United Kingdom of Great Britain; revised regulations, Island of Guernsey. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 416, rev. (sup. 3), 3 p. Apr. 13, 1951. 1.9 F73

EXTENSION SERVICE

DIXON, H. M. Economics extension work—trends and needs. Washington, U. S. Ext. Serv., 1951. 15 p. 1.913 E2D64

Paper delivered at Agricultural Economics Seminar, Cornell University, Ithaca, Mar. 12, 1951.

MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION DIV. A recommended program for the Michigan Extension Service in the field of farm labor. Washington, U. S. Ext. Serv., 1951. 10 p. 1.913 S2R24

NIEDERFRANK, E. J., and JOHNSTON, H. L. Health education for home demonstration work during these times. Washington, U. S. Ext. Serv., 1951. 4 p. 1.913 A5H34

Presented at Home Demonstration Conference on "Strengthening Homes in the Emergency," Washington, D. C., Apr. 1951.

SCHLUP, L. A. Footnotes to the emergency job of extension information. Washington, U. S. Ext. Serv., 1951. 5 p. 1.913 I2Sch3

Talk before Extension editors of the Eastern States, New York City, Apr. 25, 1951, as part of a panel discussion of the agricultural mobilization program.

U. S. EXTENSION SERV. A catalog of educational materials for use with food retailers; trade journals, books and pamphlets, visual aids, miscellaneous. Rev. Washington, 1951. 42 p. 1.913 A2C28

U. S. EXTENSION SERV. Conference report on Extension experiences around the world, Washington, D. C., May 16-20, 1949. Washington, 1951. 208 p. Ref. 1 Ex892C

U. S. Office of Foreign Agricultural Relations cooperating.

U. S. EXTENSION SERV. 4-H Clubs build the citizens of tomorrow, by G. L. Warren. n.p. 1950. 7 p. 275.2 W252

Published in the County Officer, May 1950.

U. S. EXTENSION SERV. List of State extension entomologists and extension apiculturists. Washington, 1951. 5 p. 1.913 A2L697

U. S. EXTENSION SERV. Rural areas and defense programs (Some current information for news letters, program planning, and other uses), by E. J. Niederfrank. Washington, 1951. 4 p. 1.913 A5R88

U. S. EXTENSION SERV. A suggestion for National 4-H Club Week, March 3-11, 1951, highlighting the 1951 4-H defense mobilization program. Washington, 1951. 2 p. 1.913 F3Su342

FARM CREDIT ADMINISTRATION

PRODUCTION CREDIT CORPORATION PRESENTS. Conference, Washington, D. C., March 5-8, 1951. Washington, U. S. Farm Credit Admin., 1951. 34 p. 1.955 P2C76

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

BURKE, J. H. Observations on the citrus industry of Cyprus. U. S. Off. Foreign Agr. Relat. FCF-4-51, 17 p. Apr. 6, 1951. 1.943 F7637

HOWARD, J. O. An analysis of the present food situation, subsidy plans, and proposed programs. (Sum.) Washington, U. S. Off. Foreign Agr. Relat., 1951. 7 p. 1.943 H84

Summary of remarks before the Vermont Labor and Farm Conference, Plainfield, Vt., Jan. 26, 1951.

FOREST SERVICE

ADAMS, L. White-tailed deer browsing on ponderosa pine plantations. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 89, 5 p. Feb. 1951. 1.9622 N3R31

BARRACLOUGH, S., and RETTIE, J. C. The ownership of small private forest-land holdings in 23 New England towns. U. S. Forest Serv. Northeast. Forest Expt. Sta. Paper 34, 32 p. Mar. 1950. 1.9622 N2St22

BICKFORD, C. A. Form-class volume tables for estimating board-foot content of northern conifers. U. S. Forest Serv. Northeast. Forest Expt. Sta. Paper 38, 86 p. Jan. 1951. 1.9622 N2St22

BOE, K. N. Natural regeneration of lodgepole pine on seedbeds created by clear cutting and slash disposal. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 99, 1 p. May 1951. 1.9622 N3R31

CHRISTENSEN, C. M., and others. Enemies of aspen. U. S. Forest Serv. Lake States Forest Expt. Sta. Lake States Aspen Rpt. 22, 16 p. Ref. Jan. 1951. 1.9622 L2L14

R. L. Anderson, A. C. Hodson, and P. O. Rudolf, joint authors.

DORAN, C. W. Guide for reseeding summer rangelands on Colorado's western slope. U. S. Forest Serv. Rocky Mountain Forest & Range Expt. Sta. Paper 6, 18 p. Apr. 1951. 1.9622 R2St2

- DORTIGNAC, E. J. Design and operation of Rocky Mountain infiltrometer. U. S. Forest Serv. Rocky Mountain Forest & Range Expt. Sta. Paper 5,68 p. Ref. Feb.1951. 1.9622 R2St2
- DOVERSPIKE, G. E., and CAMP, H. W., JR. Four test-demonstrations of hardwood log grades in the Northeast. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 42,19 p. May 1951. 1.9622 N2St22
- DOVERSPIKE, G. E., RETTIE, J. C., and CAMP, H. W., JR. Timber markets and marketing in the Monocacy River Watershed of Maryland and Pennsylvania. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 41, 17 p. Mar.1951. 1.9622 N2St2
- ERICKSEN, W. S., and MARCH, H. W. Effects of shear deformation in the core of a flat rectangular sandwich panel; compressive buckling of sandwich panels having facings of unequal thickness. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1583-B,30 p. Ref. Nov.1950. 1.9 F761R
- ERICKSEN, W. S. Supplement to effects of shear deformation in the core of a flat rectangular sandwich panel; deflection under uniform load of sandwich panels having facings of unequal thickness. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1583-C,32 p. Reg. Dec. 1950. 1.9 F761R
- EVANKO, A. B. Response of Wyethia to 2, 4-D. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 98,7 p. Apr.1951. 1.9622 N3R31
- EYRE, F. H., and LONGWOOD, F. R. Reducing mortality in old-growth northern hardwoods through partial cutting. U. S. Forest Serv. Lake States Forest Expt. Sta. Paper 24,13 p. Apr.1951. 1.9622 L2St2
- FOILES, M. W. Results of seeding germinated western white pine seed. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 95,5 p. Apr.1951. 1.9622 N3R31
- FRANK, B. Opportunities of private forestry for watershed management. Washington, U. S. Forest Serv., 1950. 8 p. 1.962 F5F85
- Address before annual meeting of Virginia Forests, Inc., Richmond, Nov. 28, 1950.
- FREAS, A. D., and WERREN, F. Mechanical properties of cross-laminated and composite glass-fabric-base plastic laminates. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1821,12 p. Feb.1951. 1.9 F761R
- GODMAN, R. M. A site classification and "quick-cruise" volume table for climax stands. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 11, 3 p. Mar.1951. 1.962 A3T22
- GODMAN, R. M. Thinning second-growth hemlock-spruce for pulpwood. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 7,1 p. Feb.1951. 1.962 A3T22
- HEEBINK, B. G. Moisture-excluding effectiveness of edge seals for aircraft sandwich panels. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1822,6 p. Dec.1950. 1.9 F761R
- KLEIN, J. A. Defect in the climax forests of southeast Alaska. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 9,1 p. Mar.1951. 1.962 A3T22
- KLEIN, J. A. Girdling and poisoning of live culls. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 13,1 p. Mar.1951. 1.962 A3T22
- KUENZL, E. W., and ERICKSEN, W. S. Shear stability of flat panels of sandwich construction. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1560,42 p. Ref. Mar.1951. 1.9 F761R
- LYNCH, D. W., and CHAPMAN, R. A. Sampling in tree measurement sales on Northern region national forests. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Paper 27,47 p. Apr.1951. 1.9622 N3St1
- MIGNERY, A. L. Use of low-altitude continuous-strip aerial photography in forestry. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 118,19 p. Apr.1951. 1.9 F7624O
- MILLER, R. H. P. Gasogens. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1463,rev.,4 p. Mar.1951. 1.9 F761R
- MUELLER, L. A. Suitability of western larch for veneer and plywood production. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 96,3 p. Apr.1951. 1.9622 N3R31
- PILLOW, M. Y. Simplified procedure for determining oven-dry specific gravity of flitches and bolts. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1790,4 p. Mar.1951. 1.9 F761R
- RETTIE, J. C., DOVERSPIKE, G. E., and BANKS, W. G. Forest resources of the Monocacy River Watershed of Maryland and Pennsylvania. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 40,29 p. Mar.1951. 1.9622 N2St22
- ROSA, J. M., and TIGERMAN, M. H. Some methods for relating sediment production to watershed conditions. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Paper 26,19 p. May 1951. 1.9622 I2R31
- SELBO, M. L. Summary of information on gluing of treated wood, 1950. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1789,12 p. Dec.1950. 1.9 F761R
- TRIMBLE, G. R. JR., HALE, C. E., and POTTER, H. S. Effect of soil and cover conditions on soil-water relationships. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 39,44 p. Ref. Feb.1951. 1.9622 N2St22
- U. S. FOREST SERV. Administrative procedures for Cooperative Forest Management Act of 1950. Washington, 1951. 40 p. 1.962 C5A6
- U. S. FOREST SERV. Forest plantings in the United States, 1950. Washington, 1950? 4 p. 1.962 C5Su6
- U. S. FOREST SERV. Forest Service organization camps. Washington, 1950. 1 p. 1.962 A2F7638
- U. S. FOREST SERV. List of private consultants in forest operations. Washington, 1951. 25 p. 1.962 C5L69
- U. S. FOREST SERV. Lumber manufacturing, wood using and allied associations. Washington? 1951. 27 p. 1.9 F76Lm
- U. S. FOREST SERV. National forest fire report calendar year 1950. Washington? 1951? 17 p. 1.962 A2N212
- U. S. FOREST SERV. 1950 forest fire statistics. Washington, 1951? 15 p. 1.962 C4F76
- U. S. FOREST SERV. Payette National Forest, Idaho. Washington, 1951. 19 p. 1 F766P
- U. S. FOREST SERV. Safety progress, 1950; comparison of injury rates, Forest Service vs. industry. Washington? 1951? 4 p. 1.962 A2Sa15
- U. S. FOREST SERV. Timber management plans on the national forests, by L. S. Gross. Washington, 1951. 59 p. 1.962 T2T48
- U. S. FOREST SERV. Tree-planting machines. Washington, 1951. 10 p. 1.962 A2T712
- U. S. FOREST SERV. Watershed management, with particular reference to forest and range lands. Prepared for the President's Water Resources Policy Commission. Washington, 1950. 23 p. Ref. 1.962 A2W31
- U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Twenty-fourth annual report, 1950. Columbus, 1951? 65 p. 1.9 F76252
- U. S. FOREST SERV. LAKE STATES FOREST EXPERIMENT STATION. Annual report, 1950. St. Paul, 1951? 30 p. 1.9 F76251
- U. S. FOREST SERV. NORTHEASTERN FOREST EXPERIMENT STATION. The annual report, 1950. Upper Darby, 1951. 102 p. 1.9 F76222
- U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Forest statistics for eastern Tennessee. U. S. Forest Serv. South. Forest Expt. Sta. Forest Survey Release 66,25 p. Apr.1951. 1.9 F7624F
- WATT, R. F. Snow damage in a pole stand of western white pine. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 92,4 p. Mar.1951. 1.9622 N3R31
- WERREN, F. Fatigue of sandwich constructions for aircraft; glass-fabric-laminate facing and waffle-type core sandwich material tested in shear. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1559-I,5 p. Oct.1950. 1.9 F761R
- WERREN, F. Mechanical properties of plastic laminates. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1820,14 p. Feb.1951. 1.9 F761R
- WOOLFOLK, E. J., and HARRIS, G. A. Forage species and seasons for reseeding foothill range lands in northeastern Washington. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 97, 2 p. Apr.1951. 1.9622 N3R31
- ZACH, L. W. Distribution of volume in southeast Alaska trees. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 10,1 p. Mar.1951. 1.962 A3T22
- ZACH, L. W. Measuring log lengths. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 12, 1 p. Mar.1951. 1.962 A3T22

HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Calories from some everyday foods. Washington, 1951? 4 p. 1.982 A2C13

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Economic problems families are facing. Washington? 1951. 1 p. 1.982 A2Ec72

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Test methods for measuring shrinkage in laundering of knit rayon fabrics. Washington, 1951? 3 p. 1.982 A2T282

INFORMATION, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. More soybeans for '51, by M. G. Weiss and K. M. Gapen. Washington, 1951. 4 p. 1.914 R2R11

PERSONNEL, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. U. S. D. A. performance rating plan. Washington, 1950? 5 p. 1.917 A2Un37

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

JORDAN, H. V., and CROCKETT, S. P. Some effects of growing kudzu on chemical and physical soil properties. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Div. Soil Mangt. & Irrig. Res. Rpt. 211, 12 p. Apr. 20, 1951. 1.965 S4R312

NELSON, C. E., VIETS, F. G., and MILLER, A. G. The effects of spacing and fertility on three varieties of grain sorghums. U. S. Bur. Plant Indus., Soils & Agr. Engin. Div. Soil Mangt. & Irrig. Res. Rpt. 212, 10 p. Apr. 30, 1951. 1.965 S4R312

RHOADES, H. F., and SUGHRO, K. Influence of irrigation practice, stand and fertilizer application on the yield of corn, Development Farm, Arapahoe, Nebraska, 1950. U. S. Bur. Plant Indus., Soils & Agr. Engin. Div. Soil Mangt. & Irrig. Res. Rpt. 213, 10 p. Apr. 30, 1951. 1.965 S4R312

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Report of the Twelfth Alfalfa Improvement Conference, July 31 - August 2, 1950, Lethbridge, Alberta, Canada, reported by O. S. Aamodt. Washington, 1950? 78 p. 1.9 P691Rep

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The use of sawdust for mulches and soil improvement, by F. E. Allison and M. S. Anderson. Beltsville, 1951. 18 p. 1.965 S2Us2

U. S. REGIONAL SOYBEAN LABORATORY. Results of the cooperative uniform soybean tests, 1950. I. North Central States, compiled by J. L. Cartter, L. F. Williams, R. E. Lawrence, and C. J. Younger. U. S. Bur. Plant Indus., Soils & Agr. Engin. RSLM 158, 118 p. Mar. 1951. 1.9 C49292Rs

U. S. REGIONAL SOYBEAN LABORATORY. Results of the cooperative uniform soybean tests, 1950. II. Southern States, compiled by E. E. Hartwig, and E. Bounds. U. S. Bur. Plant Indus., Soils & Agr. Engin. RSLM 157, 110 p. Mar. 1951. 1.9 C49292Rs

PRODUCTION AND MARKETING ADMINISTRATION

GERDES, F. L. Laboratory-test and field-study information of interest to Alabama ginners. Washington, U. S. Prod. & Mktg. Admin., 1951. 10 p. 1.9422 C2G31

Address at meeting of the Alabama Cotton Ginners' Association, Birmingham, Mar. 29, 1951.

U. S. PRODUCTION AND MARKETING ADMIN. Conservation and use of agricultural land resources. Washington, 1951. 8 p. 1.956 A2Ag82

U. S. PRODUCTION AND MARKETING ADMIN. Cotton balance sheets and trade tables for selected countries. Washington, 1951. 56 p. 1.956 C82C8292

U. S. PRODUCTION AND MARKETING ADMIN. Directory of refrigerated storage warehouses in the United States. Washington, 1951. 75 p. 1.956 M34D62

U. S. PRODUCTION AND MARKETING ADMIN. General guide for the purchase and acceptance of extra long staple cotton to meet requirements of the United States Government for stockpile purposes. Washington, 1951. 1 p. 1.956 A2G284

U. S. PRODUCTION AND MARKETING ADMIN. Grades for manufacturing milk. Washington, 1950. 4 p. 1.956 D14G75

U. S. PRODUCTION AND MARKETING ADMIN. Grades of cream for use in the manufacture of butter. Washington, 1951. 2 p. 1.956 D14G752

U. S. PRODUCTION AND MARKETING ADMIN. Inspection of strawberries. Washington, 1951. 11 p. 1.956 F94In743

U. S. PRODUCTION AND MARKETING ADMIN. Market outlets for cotton in knit goods, by J. H. McLure. Washington, 1951. 17 p. 1.956 C82M3442

U. S. PRODUCTION AND MARKETING ADMIN. Official United States standards for grades of slaughter cattle (Title 7, Ch. I, Pt. 53, Sections 53.201-53.206 of the Code of Federal Regulations). U. S. Prod. & Mktg. Admin. Serv. & Regulat. Announc. 112, 7 p. Dec. 1950. 1 M34S

U. S. PRODUCTION AND MARKETING ADMIN. Plan for testing and scoring the burn of cigar-leaf tobacco. Rev. Washington, 1950. 3 p. 1.956 T55P69

U. S. PRODUCTION AND MARKETING ADMIN. Rice: acreage, yield, and production, United States [1919-1950]. Washington, 1950. 2 p. 1.956 G76R365

U. S. PRODUCTION AND MARKETING ADMIN. Rules and regulations of the Secretary of Agriculture governing the grading and certification of meats, prepared meats, and meat products; and Administrator's instructions thereunder (Title 7, Ch. I, subch. C, pt. 53 of the Code of Federal Regulations). U. S. Prod. & Mktg. Admin. Serv. & Regulat. Announc. 98, 10 p. Jan. 1951. 1 M34S
Also amendment No. 1, effective Apr. 23, 1951.

U. S. PRODUCTION AND MARKETING ADMIN. Specifications for export fibre drums for dried whole eggs, approximately 175-pounds capacity. Washington, 1950? 2 p. 1.956 P86Sp34

U. S. PRODUCTION AND MARKETING ADMIN. U. S. average support prices for grains and other commodities under the administration of the Grain Branch, 1933-50. Washington, 1950. 5 p. 1.956 G76Un35

RURAL ELECTRIFICATION ADMINISTRATION

U. S. RURAL ELECTRIFICATION ADMIN. Horizontal surface condenser specifications. Washington? 1951. 11 p. 1.933 H78

U. S. RURAL ELECTRIFICATION ADMIN. Specifications for step-down substation transformers for use on REA borrower systems. Washington, 1951. 3 p. 1.933 Sp322

SECRETARY, OFFICE OF

BRANNAN, C. F. Farm prices in the price control picture. Rev. Washington, U. S. D. A., Off. Sec., 1951. 6 p. 1.91 A2B73

Statement issued on Feb. 9, 1951, with date revised as of Apr. 23, 1951.

MCCORMICK, C. J. How mobilization affects the farmer. Washington, U. S. D. A., Off. Sec. 1951. 18 p. 1.91 A2M132

Talk at meeting of State Extension and Experiment Station Editors, Washington, D. C., May 7, 1951.

MCCORMICK, C. J. Mobilization goals and the family farmer. Washington, U. S. D. A., Off. Sec., 1951. 13 p. 1.91 A2M132

Talk at the First Annual Conference, National Council on Agricultural Life and Labor, Washington, D. C., Apr. 26, 1951.

MCCORMICK, C. J. Rice in a changing world. Washington, U. S. D. A., Off. Sec., 1951. 10 p. 1.91 A2M132
Talk before convention of the National Rice Industries, Houston, Apr. 24, 1951.

SOIL CONSERVATION SERVICE

BENNETT, H. H. Effects of erosion silt on bays. Washington, U. S. Soil Conserv. Serv., 1951. 12 p. 1.96 Ad62

Address, spring meeting American Shore and Beach Preservation Association with Southern States Coastal Erosion Control Association, Mobile, Apr. 28, 1951.

NOLL, J. J., ROEHL, J. W., and BENNETT, J. Effects of soil conservation on sedimentation in Lake Issaqueena, Pickens County, South Carolina. U. S. Soil Conserv. Serv. SCS-TP 95, 20 p. Aug. 1950. 1.96 Ad6Tp

THORP, E. M., and BROWN, C. B. Sedimentation in San Carlos reservoir Gila River, Arizona. U. S. Soil Conserv. Serv. SCS-TP-91, 26 p. Ref. Feb. 1951. 1.96 Ad6Tp

U. S. SOIL CONSERVATION SERV. Summary, runoff and waterflow retardation and soil erosion prevention; flood control operations in authorized watersheds, cumulative to December 31, 1950. Washington, 1951. 7 p. 1.96 Ad6Sr

U. S. SOIL CONSERVATION SERV. NORTHERN GREAT PLAINS REGION. Procedure for building cropland terraces with a whirlwind terracer. Lincoln, Nebr., 1950. 2 p. 1.9607 P947

STATE AGRICULTURAL EXPERIMENT STATION
PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arizona Agricultural Experiment Station, Tucson

THOMAS, W. I., HOLEKAMP, E. R., and FROST, K. R. Cotton planting. *Ariz. Agr. Expt. Sta. B.* 233,17 p. Mar.1951. 100 Ar4

California Agricultural Experiment Station, Berkeley

ASMUNDSON, V. S., and LERNER, I. M. Breeding chickens for meat production. *Calif. Agr. Expt. Sta. B.* 675,rev.,39 p. Ref. Jan.1951. 100 C12S

FROST, H. B., and CAMERON, J. W. Frua and Dweet, two new citrus varieties that produce good-sized fruit with tangerine-like flavor. *Calif. Agr. Expt. Sta. B.* 721,10 p. Feb.1951. 100 C12S

CALIFORNIA AGRICULTURAL EXPERIMENT STATION, BERKELEY. Statistics on California cling-stone peaches, by S. Hoos and I. Dubov. Berkeley,1950. 20 p. 281.393 C12S

CALIFORNIA agriculture 5(5),16 p. May 1951. 100 C12Cag

Connecticut (State) Agricultural Experiment Station, New Haven

FISHER, H. J. Report on inspection and analysis of commercial fertilizers, 1950. *Conn. (State) Agr. Expt. Sta. B.* 544,63 p. Dec.1950. 100 C76St

SWANBACK, T. R. Ammonium nitrate and poultry manure in fertilization of tobacco. *Conn. (State) Agr. Expt. Sta. B.* 546,26 p. Mar.1951. 100 C76St

Connecticut (Storrs) Agricultural Experiment Station, Storrs

JOHNSON, S. Load size and delivery labor cost in milk distribution. *Conn. (Storrs) Agr. Expt. Sta. B.* 264,20 p. Mar.1950. 100 C76S

DEWEY, A. W., and COUTU, A. J. Cigar leaf marketing studies. 1. Market reporting for Connecticut Valley binder tobacco. *Conn. (Storrs) Agr. Expt. Sta. B.* 265,36 p. Nov.1950. 100 C76S

CONNECTICUT (STORRS) AGRICULTURAL EXPERIMENT STATION. Report of the Station for the year ending June 30, 1950. *Conn. (Storrs) Agr. Expt. Sta. B.* 271,50 p. Dec.1950. 100 C76S

MATTERSON, L. D., and others. A comparison of several antibiotics as growth stimulants in practical chick-starting rations. *Conn. (Storrs) Agr. Expt. Sta. B.* 275,20 p. Mar.1951. 100 C76S

E. P. Singens, L. Decker, and A. Kozeff, joint authors.

Florida Agricultural Experiment Station, Gainesville

DRIGGERS, J. C., DAVIS, G. K., and MEHRHOF, N. R. Toxic factor in citrus seed meal; extraction, chick feeding trials and chemical characteristics. *Fla. Agr. Expt. Sta. B.* 476,36 p. Ref. May 1951. 100 F66S

Georgia Agricultural Experiment Station, Experiment

WOODROOF, J. G., and SHELOR, E. Home freezers and home freezing. *Ga. Agr. Expt. Sta. B.* 266, 50 p. Mar.1951. 100 G29S

THOMPSON, H., CECIL, S. R., and WOODROOF, J. G. Storage of edible peanuts. *Ga. Agr. Expt. Sta. B.* 268,43 p. Ref. Mar.1951. 100 G29S

Hawaii Agricultural Experiment Station, Honolulu

ROSENBERG, M. M., and TANAKA, T. Performance of imported strains of New Hampshires under Hawaiian conditions. *Hawaii. Agr. Expt. Sta. B.* 104,18 p. Ref. Mar.1951. 100 H313

Illinois Agricultural Experiment Station, Urbana

WASCHER, H. L., SMITH, R. S., and ODELL, R. T. Iroquois County soils. *Ill. Agr. Expt. Sta. Soil Rpt.* 74,64 p. June 1951. 100 IL6So

Indiana Agricultural Experiment Station, Lafayette

QUACKENBUSH, F. W., CARTER, A. S., and SHENBERGER, L. C. Inspection of legume inoculants. *Ind. Agr. Expt. Sta. C.* 368,7 p. Jan.1951. 100 In2P

Kansas Agricultural Experiment Station, Manhattan

KANSAS AGRICULTURAL EXPERIMENT STATION. Publication list. *Kans. Agr. Expt. Sta. C.* 269, 4 p. Feb.1951. 100 K13S

AICHER, L. C., and others. Beef cattle feeding and grazing investigations for 1949-50. *Kans. Agr. Expt. Sta. C.* 272,19 p. Feb.1951. 100 K13S

R. F. Cox, F. B. Kessler, A. D. Weber, and F. E. Meenen, joint authors.

Kentucky Agricultural Experiment Station, Lexington

KENTUCKY AGRICULTURAL EXPERIMENT STATION. FEED AND FERTILIZER DEPT. Quarterly report on official feed samples analyzed. *Ky. Agr. Expt. Sta. Regulat. B.* 89,27 p. Apr.1951. 100 K41

Maine Agricultural Experiment Station, Orono

MORAN, C. H. Pasture improvement. *Maine. Agr. Expt. Sta. B.* 488,18 p. Feb.1951. 100 M28S

MURPHY, E. F., and COVELL, M. R. Comparison of tomato varieties for yield, vitamin content and palatability. *Maine. Agr. Expt. Sta. Mimeog. Rpt.* 20,9 p. May 1951. 100 M28M

Massachusetts Agricultural Experiment Station, Amherst

COX, E. Meteorological observations for February 1951. *Mass. Agr. Expt. Sta. Met. Ser. B.* 746,4 p. Feb.1951. 100 M38H

Mississippi Agricultural Experiment Station, State College

MORGAN, C. G., and VANDERFORD, H. B. Coahoma County soils. *Miss. Agr. Expt. Sta. B.* 475,39 p. July 1950. 100 M69

FARISH, L. R. The Dixielee pea. *Miss. Agr. Expt. Sta. Serv. Sheet* 418,2 p. Dec.1950. 100 M69

MISSISSIPPI farm research 14(3),8 p. Mar. 1951. 100 M69Mi

Montana Agricultural Experiment Station, Bozeman

MONTANA AGRICULTURAL EXPERIMENT STATION. Commercial feeds report for 1950. *Mont. Agr. Expt. Sta. B.* 472,56 p. Dec.1950. 100 M76

MONTANA AGRICULTURAL EXPERIMENT STATION. Commercial fertilizer report for 1950. *Mont. Agr. Expt. Sta. B.* 473,14 p. Dec.1950. 100 M76

MONTANA AGRICULTURAL EXPERIMENT STATION. Montana insect pests, 1949-1950; thirty-third report of the State entomologist. *Mont. Agr. Expt. Sta. B.* 474,35 p. Jan.1951. 100 M76

BURKITT, W. H. Apparent digestibility by lambs of grass hay supplemented with rape-seed oil meal or linseed meal. *Mont. Agr. Expt. Sta. C.* 193,7 p. Mar. 1951. 100 M76

Nebraska Agricultural Experiment Station, Lincoln

BAKER, M. L., and others. Feeding safflower meal. *Nebr. Agr. Expt. Sta. B.* 402,11 p. Ref. Jan.1951. 100 N27

G. N. Baker, C. Ervin, L. C. Harris, and M. A. Alexander, joint authors.

New York (Cornell) Agricultural Experiment Station, Ithaca

HAY, D. G., and POLSON, R. A. Rural organizations in Oneida County, New York. *N. Y. (Cornell) Agr. Expt. Sta. B.* 871,56 p. 1951? 100 N48C

New York (State) Agricultural Experiment Station, Geneva

MACK, G. L., and BUCHHOLZ, A. B. The quality of economic poisons sold in New York State in 1950. N. Y. (State) Agr. Expt. Sta. B. 748,33 p. Apr.1951. 100 N48

North Carolina Agricultural Experiment Station, State College Station Raleigh

RESEARCH and farming 9(3),15 p. Winter 1951. 100 N81R

Ohio Agricultural Experiment Station, Wooster

GERLAUGH, P., KUNKLE, L. E., and RIFE, D. C. Crossbreeding beef cattle; a comparison of the Hereford and Aberdeen Angus breeds and their reciprocal crosses. Ohio. Agr. Expt. Sta. Res. B. 703,33 p. Ref. Apr.1951. 100 Oh3S

SHERMAN, R. W., and SHARP, J. W. Home freezer storage units in rural areas. Ohio. Agr. Expt. Sta. Res. B. 704,28 p. Feb.1951. 100 Oh3S

HENNING, G. F., and EVANS, M. B. Purchasing feeder cattle, calves, sheep and lambs. Ohio. Agr. Expt. Sta. Res. B. 707,39 p. Ref. Apr.1951. 100 Oh3S

OHIO. AGRICULTURAL EXPERIMENT STATION. Available publications. Ohio. Agr. Expt. Sta. Spec. C. 86,7 p. Feb.1951. 100 Oh3S

OHIO farm and home research 36(268),16 p. Jan./Feb.1951. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

JOHNSTON, T. H., and SCHLEHUBER, A. M. Harbine, a new combine barley. Okla. Agr. Expt. Sta. B. B-367,14 p. Apr.1951. 100 Ok4

ELDER, W. C. Controlling perennial ragweed to make better pastures. Okla. Agr. Expt. Sta. B. B-369, 11 p. Apr.1951. 100 Ok4

LIGON, L. L. Cowpeas for Oklahoma. Okla. Agr. Expt. Sta. B. B-371,15 p. May 1951. 100Ok4

ELDER, W. C., and GASSAWAY, J. Chemical control of brush. Okla. Agr. Expt. Sta. Mimeog. C. M-218,8 p. Apr.1951. 100 Ok4M

ELWELL, H. M., and COX, M. B. Progress report, 1951: brush control research at the Red Plains Conservation Experiment Station, Guthrie, Oklahoma. Okla. Agr. Expt. Sta. Mimeog. C. M-220,7 p. Apr.1951. 100 Ok4M

GARTON, J. E. A graphic solution of agricultural field sprayer problems. Okla. Agr. Expt. Sta. Misc. P. MP-19,4 p. Apr.1951. 100 Ok4

Oregon Agricultural Experiment Station, Corvallis

WESTERN REGIONAL POTATO MARKETING PROJECT. Significance of quality loss in marketing early Idaho-Oregon potatoes. Oreg. Agr. Expt. Sta. B. 495, 31 p. Jan.1951. 100 Or3

Pennsylvania Agricultural Experiment Station, State College

WRIGLEY, P. I. Woodland as a farm enterprise. Pa. Agr. Expt. Sta. B. 536,36 p. Ref., Feb.1951. 100 P381

WRIGLEY, P. I. Woodland as a farm enterprise. Pa. Agr. Expt. Sta. B. 536P,4 p. Feb.1951. 100 P381

BRANDOW, G. E., and KURYLOSKI, D. S. Variation of wholesale prices of Pennsylvania vegetables at Philadelphia. Pa. Agr. Expt. Sta. J. Ser. Paper 1609, 12 p. Aug.1950. 100 P381J

OLVER, E. F., MOWERY, A. S., and CLYDE, A. W. A home built wagon box. Pa. Agr. Expt. Sta. Prog. Rpt. 45,4 p. Mar.1951. 100 P381P

WERNHAM, C. C. Cold testing of corn; a chronological and critical review. Pa. Agr. Expt. Sta. Prog. Rpt. 47,12 p. Ref. Mar.1951. 100 P381P

SCHNEIDER, E. O., and BEACH, W. S. Practices used on tobacco seedbeds at the Tobacco Research Laboratory, Lancaster, Pennsylvania. Pa. Agr. Expt. Sta. Prog. Rpt. 48,4 p. May 1951. 100 P381P

South Carolina Agricultural Experiment Station, Clemson

SOUTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. South Carolina livestock, dairy, and poultry statistics. S. C. Agr. Expt. Sta. C. 79,41 p. Jan. 1951. 100 So8

South Dakota Agricultural Experiment Station, Brookings

MCCONE, W. C. Fattening yearling beef cattle on pasture. S. Dak. Agr. Expt. Sta. B. 407,16 p. Mar. 1951. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

MCMURRAY, S. F. 1950 variety performance trials of field crops. Tenn. Agr. Expt. Sta. B. 218,16 p. Jan.1951. 100 T25S

Texas Agricultural Experiment Station, College Station

DRAPER, C. R., and RUSSELL, D. Rural organization in Val Verde County, Texas. Tex. Agr. Expt. Sta. Misc. P. 71,27 p. Mar.1951. 100 T31M

LEEPER, P. W., BURLESON, C. A., and COWLEY, W. R. Greenwrap tomato variety tests in the Lower Rio Grande Valley, fall 1950. Tex. Agr. Expt. Sta. Prog. Rpt. 1349,4 p. Apr.2,1951. 100 T31P

YOUNG, P. A. Effects of fertilizers on the shipping quality and yield of tomatoes in East Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1353,4 p. Apr.5,1951. 100 T31P

GARDENHIRE, J. H., and DUDLEY, D. I. Denton corn performance tests, 1946-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1359,2 p. Apr.10,1951. 100 T31P

GARDENHIRE, J. H., SMITH, J. C., and DUDLEY, D. I. Corn fertilizer tests in North-Central Texas, 1949-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1360,2 p. Apr.10,1951. 100 T31P

KARPER, R. E., QUINBY, J. R., and KRAMER, N. W. New varieties of sorghum. Tex. Agr. Expt. Sta. Prog. Rpt. 1367,6 p. May 1,1951. 100 T31P

WARD, J. M., and others. Quality and fiber characteristics of mechanically harvested cotton of the High Plains, 1949. Tex. Agr. Expt. Sta. Prog. Rpt. 1370,5 p. May 16,1951. 100 T31P

L. E. Hessler, D. L. Jones, and W. E. Paulson, joint authors.

KEATING, F. E. Cotton variety test, Big Spring Field Station, 1948-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1372,3 p. May 22,1951. 100 T31P

Washington Agricultural Experiment Station, Pullman

WASHINGTON. AGRICULTURAL EXPERIMENT STATION. 60th annual report. Wash. Agr. Expt. Sta. B. 531,21 p. Dec.1950. 100 W27E

STARR, W. A., and WHEETING, L. C. Land capability methods for conserving Washington soils. Wash. Agr. Expt. Sta. Pop. B. 200,40 p. Dec.1950. 100 W27E

LANDIS, P. H. Two generations of rural and urban women appraise marital happiness. Wash. Agr. Expt. Sta. Rur. Sociol. Ser. Family 2,20 p. Mar.1951. 100 W27E

Wisconsin Agricultural Experiment Station, Madison

KOLB, J. H., and DAY, L. J. Interdependence in town & country relations in rural society. Wis. Agr. Expt. Sta. Res. B. 172,52 p. Dec.1950. 100 W75

BAKKEN, H. H., and ROWAN, W. S. Marketing potatoes in Wisconsin. Wis. Agr. Expt. Sta. Res. B. 173, 22 p. Apr.1951. 100 W75

Wyoming Agricultural Experiment Station, Laramie

TOMLINSON, B. R. Estimate of water requirements of crops. Wyo. Agr. Expt. Sta. B. 303,27 p. Feb.1951. 100 W99

STATE AGRICULTURAL EXTENSION SERVICE
PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction

California University, College of Agriculture, Agricultural Extension Service, Berkeley

PALMER, R. W., and SULLIVAN, W. Planning a small farm home. Calif. Agr. Col. Ext. C. 168, 19 p. Dec. 1950. 275.29 C12C

BAKER, R. E., and BUTTERFIELD, H. M. Commercial bushberry growing in California. Calif. Agr. Col. Ext. C. 169, 50 p. Mar. 1951. 275.29 C12C

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Alfalfa seed production, Riverside County, 1947 - 1949, by O. A. Harvey and W. Sullivan. Berkeley, 1951? 6 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. First annual poultry management study, Placer County, 1950, by A. D. Reed and F. C. Rohrbacker. Berkeley, 1951? 11 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Honey and beeswax charts; production, foreign trade and price. Berkeley, Calif., 1950. 9 p. 275.2 C12Hon

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 alfalfa cost and management study, Antelope Valley, by W. Sullivan and W. F. Ehlers. Berkeley? 1950? 9 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Sonoma County poultry egg production and management study, by A. Shultis and V. Stratton. Berkeley? 1951, 9 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Solano poultry management study, 1950, by A. D. Reed, and R. L. Shreve. Berkeley? 1951? 6 p. 275.29 C12En

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

MINNUM, E. C. Lime fertilizer and manure for the home garden. Conn. Agr. Col. Ext. Folder 50, 6 p. Feb. 1951. 275.29 C76Ex

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Currant and gooseberry pest control guide, 1951, by F. D. Johanson, W. T. Brigham, and E. M. Stoddard. Storrs, 1951. 1 p. 275.29 C76Cu

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Grape spray guide, 1951, by F. D. Johanson, P. Garman, and M. Stoddard. Storrs, 1951? 1 p. 275.29 C76Gr

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 spray guide for brambles (red raspberries, black raspberries, blackberries, dewberries), by F. D. Johanson, W. T. Brigham, and E. M. Stoddard. Storrs, 1951. 1 p. 275.29 C76Rr

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Pear spray guide, 1951, by F. D. Johanson, P. Garman, and E. Stoddard. Storrs, 1951. 3 p. 275.29 C76Ps

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Reduced spray schedule, 1951, by F. D. Johanson and P. Garman. Storrs, 1951. 1 p. 275.29 C76Rs

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Strawberry pest control guide, 1951, by F. D. Johanson, W. T. Brigham, and E. M. Stoddard. Storrs, 1951. 2 p. 275.29 C76St

Delaware University, School of Agriculture, Extension Service, Newark

MCHENRY, S. Poultry heating systems. Del. U. Agr. Ext. B. 50, 20 p. Nov. 1950. 275.29 D37

DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Films, bulletins, leaflets of the University of Delaware Agricultural Experiment Station and Extension Service. Del. U. Agr. Ext. B. 51, 39 p. Dec. 1950. 275.29 D37

DETJEN, L. R. Pruning ornamental plants. Del. U. Agr. Ext. B. 52, 16 p. Jan. 1951. 275.29 D37

STEARNS, L. A., and HEUBERGER, J. W. Delaware's fruit spray schedules for 1951. Del. U. Agr. Ext. B. 54, 7 p. Feb. 1951. 275.29 D37

STEVENS, R. F., and BENDER, E. K. Vegetable gardens. Del. U. Agr. Ext. B. 55, 27 p. Apr. 1951. 275.29 D37

Florida University, College of Agriculture, Agricultural Extension Service, Gainesville

FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Snap bean production guide. Fla. Agr. Col. Ext. C. 100, 6 p.-folder. Mar. 1951. 275.29 F66C

FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Cucum-ber production guide. Fla. Agr. Col. Ext. C. 101, 6 p.-folder. Mar. 1951. 275.29 F66C

FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Pepper production guide. Fla. Agr. Col. Ext. C. 102, 5 p.-folder. Mar. 1951. 275.29 F66C

FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Squash production guide. Fla. Agr. Col. Ext. C. 103, 6 p.-folder. Mar. 1951. 275.29 F66C

Hawaii University, Agricultural Extension Service, Honolulu

VOLLRATH, H. M. Brooders for little pigs. Hawaii. U. Agr. Ext. C. 166, rev., 4 p. Feb. 1951. 275.29 H312Ac

NAKAGAWA, Y. Bulb onion culture in Hawaii. Hawaii. U. Agr. Ext. C. 301, 14 p. Ref. Feb. 1951. 275.29 H312Ac

NAKAGAWA, Y. Bell pepper production in Hawaii. Hawaii. U. Agr. Ext. C. 302, 11 p. Feb. 1951. 275.29 H312Ac

KAMEMOTO, H., and NAKASONE, H. 1950 varietal trials of cut flowers. Hawaii. U. Agr. Ext. Prog. Note 63, 9 p. Feb. 1951. 100 H313P

Idaho University, College of Agriculture, Extension Service, Moscow

RAVENS-CROFT, V. F. Tree planting for Idaho farms. Idaho. Agr. Col. Ext. B. 185, 30 p. Apr. 1951. 275.29 Id13

Illinois University, College of Agriculture, Extension Service, Urbana

PENDLETON, J. W., and others. Spring oats for Illinois; variety trials 1946-1950; disease hazards 1950. Ill. Agr. Col. Ext. C. 679, 8 p. Apr. 1950. 275.29 IL62C

W. M. Bever, O. T. Bonnett, G. E. McKibben, and P. E. Johnson, joint authors.

Indiana - Purdue University, Agricultural Extension Service, Lafayette

SCHWAB, J. W. Home-made hog equipment. Purdue U. Agr. Ext. B. 199, rev., 12 p. 1951. 275.29 In2E

SICER, J. W., and HOGUE, R. L. Care and management of layers. Purdue U. Agr. Ext. B. 275, rev., 24 p. 1951. 275.29 In2E

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. The sanitary privy. Purdue U. Agr. Ext. B. 360, 15 p. 1950. 275.29 In2E

Indiana State Board of Health and Purdue University Engineering Extension Department cooperating.

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Septic tank sewage disposal systems for farm and suburban homes. Purdue U. Agr. Ext. B. 361,31 p. 1951. 275.29 In2E
Indiana State Board of Health and Purdue University Engineering Extension Department cooperating.

Maryland University, Colleges of Agriculture and Home Economics, Extension Service, College Park

BENDER, E. K. Selection of fields for growing sweet potatoes. Md. Agr. Col. Ext. Fact Sheet 4,1 p. Feb. 1951. 275.29 M36FA

SCOTT, L. E., and MOORE, J. E. Bedding sweet potatoes. Md. Agr. Col. Ext. Fact Sheet 8,2 p. Mar.1951. 275.29 M36FA

DENGLER, H. W., and CARPENTER, R. W. Use Maryland trees for your farm buildings. Md. Agr. Col. Ext. Fact Sheet 9,2 p. Mar.1951. 275.29 M36FA

MORGAN, O. D., WEAVER, L. O., and BISSELL, T. L. Stop disease and insect damage in tobacco plant beds. Md. Agr. Col. Ext. Fact Sheet 10,4 p. Mar. 1951. 275.29 M36FA

JONES, J. C., and BISSELL, T. L. Control rats and mice with warfarin. Md. Agr. Col. Ext. Fact Sheet 12,2 p. Mar.1951. 275.29 M36FA

QUIGLEY, G. D. Control of cannibalism in poultry. Md. Agr. Col. Ext. Fact Sheet 14,2 p. Apr.1951. 275.29 M36FA

WALLS, E. P., and BENDER, E. K. Soil selection is important in tomato production. Md. Agr. Col. Ext. Fact Sheet 17,2 p. Apr.1951. 275.29 M36FA

BENDER, E. K. Facts about transplanting tomatoes. Md. Agr. Col. Ext. Fact Sheet 18,2 p. Apr.1951. 275.29 M36FA

BENTZ, F. L. Fundamental facts about fertilizer. Md. Agr. Col. Ext. Fact Sheet 20,4 p. Apr.1951. 275.29 M36FA

MASON, F. H. How to understand and use color. Md. Agr. Col. Ext. Fact Sheet 21,4 p. Apr.1951. 275.29 M36FA

VIAL, J. M. How to produce quality beef calves. Md. Agr. Col. Ext. Fact Sheet 22,2 p. Apr.1951. 275.29 M36FA

MASON, F. H. How to make draperies. Md. Agr. Col. Ext. Fact Sheet 25,4 p. Apr.1951. 275.29 M36FA

Massachusetts University, School of Agriculture, Extension Service, Amherst

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. The Extension Service in Massachusetts. Mass. U. Agr. Ext. L. 172,rev., 6 p. Mar.1951. 275.29 M381L

COLE, F. E. A closer than usual look at the record; a study of twenty-five years of apple receipts and McIntosh prices on Faneuil Hall market, Boston, Mass. Mass. U. Agr. Ext. Spec. C. 181,14 p. Apr.1951. 275.29 M381Sc

Minnesota University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

CUTKOMP, L. K. Insecticides for the garden, for the home, for the field. Minn. U. Agr. Ext. B. 263, 23 p. Apr.1951. 275.29 M66S

MULLER, M. M. Managing the home with ease and satisfaction. Minn. U. Agr. Ext. Folder 155,8 p. Apr.1951. 275.29 M66Ex

Missouri University, College of Agriculture, Agricultural Extension Service, Columbia

ENNS, W. R., and BURK, V. F. Controlling cotton insect pests. Mo. Agr. Col. Ext. Folder 11,4 p. Jan.1951. 275.29 M69FoL

MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. You can raise more cotton in 1951 if you treat cotton seed. Mo. Agr. Col. Ext. Folder 12,4 p. Jan.1951. 275.29 M69FoL

WINGO, C. W., and BURK, V. F. Controlling external pests of livestock. Mo. Agr. Col. Ext. Folder 13, 4 p. Jan.1951. 275.29 M69FoL

MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Wildlife conservation for fun and profit. Mo. Agr. Col. Ext. 4-H Club C. 101,24 p. Ref. July 1950. 275.29 M69B

DUNLAP, M., and LINDSAY, C. Making wool garments. Clothing IV. Mo. Agr. Col. Ext. 4-H C. 102, 22 p. Jan.1951. 275.29 M69B

MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Plans for combination milk house & milking barn; tandem arrangement, elevated-platform milking, three stall type. Columbia,1950. folder. (Plan 18-723-C1) 275.29 M69PL

MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Plans for combination milk house & milking barn; U-shaped arrangement, elevated-platform milking, three-stall type. Columbia,1950. folder. (Plan 18-723-C1) 275.29 M69PL

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

BARE, O. S. The army cutworm [Chorizagrotis auxiliaris]. Nebr. Agr. Col. Ext. C. 1504,rev.,4 p. Apr. 1951. 275.29 N272Ex

NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 25 years of Clarke-McNary tree distribution. Nebr. Agr. Col. Ext. E. C. 1728,14 p. 1951. 275.29 N272Ex

New Jersey State College of Agriculture and Mechanic Arts, Extension Service, Rutgers University, New Brunswick

BAYLOR, J. E. The 1951 New Jersey Green Pasture-Forage Program. N. J. Agr. Col. Ext. L. 49, 4 p. Mar.1951. 275.29 N46L

New Mexico College of Agriculture, Extension Service, State College

BURNHAM, D. R., and JOHNSON, E. W. Shrubs for northeastern New Mexico. N. Mex. Agr. Col. Ext. B. 358,28 p. Nov.1950. 100 N465

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. List of publications published by the New York State Colleges of Agriculture and Home Economics, and by the Cornell University Agricultural Experiment Station. N. Y. Agr. Col. Cornell Ext. B. 47,rev.,31 p. Apr.1951. 275.29 N48E

HALL, G. O., MARBLE, D. R., and RICE, J. E. Culling and selecting for egg production. N. Y. Agr. Col. Cornell Ext. B. 175,slightly rev.,40 p. May 1951. 275.29 N48E

MILLS, W. D., and LAPLANTE, A. A. Diseases and insects in the orchard. N. Y. Agr. Col. Cornell Ext. B. 711,rev.,100 p. Apr.1951. 275.29 N48E

WILSON, H. M., and KERR, H. A. Diversion terraces. N. Y. Agr. Col. Cornell Ext. B. 808,15 p. Dec.1950. 275.29 N48E

HEINER, M. K., and STEIDL, R. E. Let your kitchen arrangement work for you. N. Y. Agr. Col. Cornell Ext. B. 814,8 p. Apr.1951. 275.29 N48E

FLAVIN, M., and HOVEY, H. Fish facts and recipes. N. Y. Agr. Col. Cornell Ext. B. 826,rev.,8 p. May 1951. 275.29 N48E

Revised by M. Ericson.

Oklahoma Agricultural and Mechanical College Extension Division, Stillwater

WHITEHEAD, E. L. An Oklahoma garden planning guide. Okla. Agr. Col. Ext. C. 487,4 p. n.d. 275.29 Ok41C

FUNK, E. 4-H crafts—metal hammering, weaving. Okla. Agr. Col. Ext. C. 542,15 p. n.d. 275.29 Ok41C

Puerto Rico University, College of Agriculture, Extension Service, Rio Piedras

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Lista de publicaciones. Rio Piedras?1951. 14 p. 275.29 P96Po

South Carolina, Clemson Agricultural College, Extension Service, Clemson

CUSHMAN, C. G. The family dairy cow. Clemson Agr. Col. S. C. Ext. C. 157, rev., 15 p. Apr. 1951. 275.29 So8E

South Dakota State College of Agriculture, Extension Service, Brookings

OSENBRUG, A., and MATHEWS, O. R. Dry-land crop production on the clay soils of western South Dakota. S. Dak. State Col. Agr. Ext. C. 85, 22 p. Mar. 1951. 100 So82

Utah State Agricultural College, Extension Service, Logan

KNOWLTON, G. F., EDGECOMBE, S. W., and SORENSON, C. J. Official Utah fruit spray recommendations for 1951. Utah. State Agr. Col. Ext. B. 228, 20 p. Mar. 1951. 275.29 Utl

Washington State College, Extension Service, Pullman

KYD, C. R. 4-H baby beef project. Wash. State Col. Ext. B 448, 26 p. Mar. 1951. 275.29 W27P

HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 189, 6 p.-folder. Apr. 26, 1951. 275.29 W27C

FLEMING, G. Double matings. (Excerpts.) Wash. State Col. Ext. Mimeog. 961, 1 p. Apr. 1951. 275.29 W27Mi

LUSK, M. Special fabric finishes. Wash. State Col. Ext. Mimeog. 973, 3 p. Mar. 21, 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Calibrating a weed sprayer. Wash. State Col. Ext. Mimeog. 974, 2 p. Mar. 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Research in agronomy. Wash. State Col. Ext. Mimeog. 975, 2 p. Mar. 1951. 275.29 W27Mi

BARNES, M. O. Proposed [livestock] disease control program. Wash. State Col. Ext. Mimeog. 976, 3 p. 1951? 275.29 W27Mi

BRANNON, D. H. Latest recommendations on insecticides for cattle. Wash. State Col. Ext. Mimeog. 981, 9 p. 1951? 275.29 W27Mi

BERGSTROM, W. Water requirements of crops. Wash. State Col. Ext. Mimeog. 982, 4 p. Apr. 4, 1951. 275.29 W27Mi

PRUITT, W. O. Water requirements of crops. Wash. State Col. Ext. Mimeog. 989, 5 p. Mar. 30, 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Weed control in Washington. Wash. State Col. Ext. Mimeog. 1004, 7 p. 1951? 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Movies of family living and healthy development. Wash. State Col. Ext. Mimeog. 1012, 1 p. Apr. 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. The soil testing program for Washington. Wash. State Col. Ext. Mimeog. 1043, 2 p. May 1951. 275.29 W27Mi

West Virginia University, College of Agriculture, Agricultural Extension Service, Morgantown

HUMPHREYS, G. Let's understand FAO's program. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 2, 6 p. n.d. 275.29 W522G

COFER, E. S. Food around the world. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 3, 6 p. n.d. 275.29 W522G

WASMUTH, G. A business center for your home. W. Va. Agr. Co. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 5, 8 p. n.d. 275.29 W522G

COFER, E. Is your family posture conscious? W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 7, 6 p. n.d. 275.29 W522G

HUMPHREYS, G. West Virginia's Constitution. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 8, 8 p. 1951? 275.29 W522G

KNOCH, R. Selecting and buying children's clothes. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 9, 6 p. n.d. 275.29 W522G

KNOCH, R. Your sewing center. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 10, 8 p. n.d. 275.29 W522G

GRAY, T. D. Fences for home grounds. W. Va. Agr. Col. Ext. Landscape Ser. 12, 6 p. n.d. 275.29 W522La

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Yearbook of forest products statistics. Washington, 1950. 183 p. 99.9 Y3

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. AGRICULTURE DIV. A survey of oils and fats in Guatemala, by K. S. Markley. Washington, 1950. 30 p. Ref. 307 F73S

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. UNITED KINGDOM. Report to the food and agriculture organisation by the United Kingdom for 1949-50. London, 1950. 116 p. 389.9 G795

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- 63939 AMERICAN FORESTRY ASSOCIATION. Report on American big trees. IV. Amer. Forests 57(7):28-29. July 1951. 99.8 F762
- 63940 AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS. Directory. Amer. Soc. Plant Physiol. B. 18,30 p. Apr.1,1951. 451 Am3
- 63941 ANDREWS, H. N., JR. American coal-ball floras. Bot. Rev. 17:431-469. Ref. June 1951. 450 B6527
- 63942 ARNAL, C. Un auxanometre simple à grande amplification. Rev. Gen. de Bot. 57:292-299. Ref. 1950. 450 R326
- 63943 BACKEBERG, C. Un voyage d'exploration botanique au Pérou septentrional. Cactus [Paris] 6(27):3-6. Mar.15,1951. 450 C114
- 63944 BERTSCH, K. Nachträge zur vorgeschichtlichen botanik des Federseerieds. Württemb. Landesstelle f. Natenschutz. u. Landschaftspflege. Veröffentl. 19:88-127. 1950. 410.9 W96
- 63945 BISHOP, C. J., and MACDONALD, R. E. A survey of higher plants for antibacterial substances. Canad. J. Bot. 29:260-269. Ref. June 1951. 470 C16C
- 63946 BLUNT, W. Flower books and their illustrators; an exhibition arranged for the National Book League. Bath, Eng., Cambridge U. Press, 1950. 58 p. 241.75 B62
- 63947 BOLLE, F. Alter als die pyramiden; altersrekorde bei mensch, tier und pflanze. Orion 6:321-325. Apr.20,1951. 474 Or4
- 63948 BRIAN, P. W. Antibiotics produced by fungi. Bot. Rev. 17:357-430. Ref. June 1951. 450 B6527
- 63949 BUNNING, E. Das Salzgebirge in Pakistan. Kosmos 47:151-153. Apr.1951. 474 K842
Includes vegetation.
- 63950 BUXTON, J., and LOCKLEY, R. M., eds. Island of Skomer; a preliminary survey of the natural history of Skomer Island, Pembrokeshire, undertaken for the West Wales Field Society. London, Staples Press, 1950. 164 p. 409 B982
Includes vegetation and Lepidoptera.
- 63951 CAMPO, M. VAN. Une méthode de préparation très rapide des tourbes en vue de leur analyse pollinique. Soc. Bot. de France. B. 97:216-217. 1950. 451 F84B
- 63952 CHITALEY, S. D. Dadoxylon eocenium sp. nov. from the Chhindwara District (c.p.). (Abs.) Indian Sci. Cong. Proc. 36(3):151. 1949. 513 In22
- 63953 CLARK, D. H. Prehistoric tree-rings forecast future climate. Wash. U. Forest Club Q. 24(2):23-26. Winter 1950/51. 99.9 W275Q
- 63954 CLELAND, J. B. The north-west corner of South Australia. Victorian Nat. 67:201-205. (To be cont.) Feb.1951. 410 V66
Includes vegetation.
- 63955 COPENHAGEN. UNIVERSITET. BOTANISKE HAVE. Index seminum. Copenhagen, 1951. 36 p. 61.5 C79
- 63956 DEEVEY, E. S., JR., and POTZGER, J. E. Peat samples for radiocarbon analysis: problems in pollen statistics. Amer. J. Sci. 249:473-511. Ref. July 1951. 470 Am34
- 63957 EVANS, C., JR., and MEGGERS, B. J. American table d'hôte. Américas 3(7):16-19. July 1951. 150.9 Am34
Food plants of American origin.
- 63958 FABRIS, H. A. Abreviaturas "standard" para la mención de material de herbario. Soc. Argentina de Bot. B. 3:135-142. Oct.1950. 451 Sol24
- 63959 FRIES, M. Pollenanalytiska vittnesbörd om senkvartär vegetationsutveckling, särskilt skogshistoria, i nordvästra Götaland. Pollenanalytische zeugnisse der spätquartären vegetationsentwicklung, hauptsächlich der waldgeschichte, im nordwestlichen Götland (Südsweden). Acta Phytogeog. Suecica 29,220 p. Ref. 451 Ac82
German summary.
- 63960 GJÆREVVOLL, O. Trollheimens planteverden, populær oversikt [Trollheimen's plant world; popular survey]. Trondhjem, Trondhjems Turistforening, 1950. 30 p. Ref. 459.1 G44
- 63961 GRAY, G. W. Research at the New York Botanical Garden. Gard. J. 1:106-107. July/Aug.1951. 80 G1635
- 63962 GRIGGS, R. F. Revegetation and soil formation in Alaska. Natl. Res. Council. B. 122:57-59. Apr. 1951. 330.9 N21
With comment by D. B. Lawrence.
- 63963 HENDERSON, M. Ancient flower lore. Daffodillies. My Gard. 42:269-270. Mar.1951. 80 M995
- 63964 HIRSCH, A. Various antibiotics from one strain of Streptococcus lactis. Nature [London] 167:1031-1032. June 23,1951. 472 N21
- 63965 HOEHNE, F. C. The beginning of the Botanical Garden at São Paulo. Gard. J. 1:80-83,88. May/June 1951. 80 G1635
- 63966 HOLDERER, H. Das fotogramm und seine anwendung für das herbarium. Kosmos 47:138-140. Mar. 1951. 474 K842
- 63967 HOSOYA, S., and others. Studies on the antibiotic substances produced by a Streptomyces, H-277 strain. (In Japanese.) J. Antibiotics 4:79-83. Feb.1951. 396.8 J824
M. Soeda, N. Komatsu, and S. Imamura, joint authors. English summary.
- 63968 HOSOYA, S., and others. Studies on the streptothricin-like substance produced by a Streptomyces (H-146 strain). (In Japanese.) J. Antibiotics 4:84-87. Ref. Feb.1951. 396.8 J824
M. Soeda, N. Komatsu, and Y. Sōnoda, joint authors.
- 63969 INGRAM, M., and RICHES, J. P. R. The preparation of sterile carrot discs for prolonged physiological experiments. New Phytol. 50:76-83. Ref. May 1951. 450 N42
- 63970 JACKSON, R. W. Making use of the biological approach. U. S. D. A. Ybk. 1950/51:35-40. 1 Ag84Y
- 63971 JACQUES-FÉLIX, H. Géographie des dénudations et dégradations du sol au Cameroun; conditions physiques et humaines. France. Dir. de l'Agr., de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Sci. 3, 126 p. Nov.1950. 26 F84Bs
Includes vegetation.
- 63972 KECK, D. D. Observations on some European botanic gardens. Gard. J. 1:103-104. July/Aug.1951. 80 G1635
- 63973 KLÖPPING, H. L., and KERK, G. J. M. VAN DER. Antifungal agents from the bark of Populus candicans. Nature [London] 167:996-997. June 16,1951. 472 N21
- 63974 KURUP, P. A., GEORGE, M., and PANDALAI, K. M. The antibiotic principle from the roots of Aristolochia indica. (Abs.) Indian Sci. Cong. Proc. 36(3):185. 1949. 513 In22
- 63975 LEM, F. H. Le culte des arbres et des génies protecteurs du sol au Soudan français. Inst. Franç. d'Afrique Noire. B. 10:539-559. Ref. 1948, pub.1951. 515 D14
- 63976 LETTMAIER, K. Die Jurahutungen im landkreis Nürnberg; eine geobotanische studie mit vorschlägen zur zweckmässigen bewirtschaftung. Landwirt. Jahrb. f. Bayern 28:14-72. Ref. Jan./Feb.1951. 18 L24
- 63977 LITTLE, E. L., JR. Citation of scientific names of plants. Phytologia 3:401-405. Ref. June 1951. 450 P563
- 63978 LOEW, F. A. Huntington College Botanical Garden and Arboretum. Arboretum B. 14:5,37. Spring 1951. 451 Ar1
- 63979 LULLA, B. S. Antibiotic activity as shown by a highly amylolytic strain of Bacillus subtilis. (Abs.) Indian Sci. Cong. Proc. 36(3):186. 1949. 513 In22
- 63980 MCWHORTER, F. P. The examination of tissues in living leaves and flowers by means of a high vacuum technic. Stain Technol. 26:177-180. July 1951. 442.8 St1
- 63981 MAEKAWA, F. On the real locality of Tsurugizan in Faurie's collections. (In Japanese.) J. Jap. Bot. 26:46. Feb.1951. 450 J8223
- 63982 MAEKAWA, F. Peculiar island names probably derived from ancient plant names. (In Japanese.) J. Jap. Bot. 26:64. Feb.1951. 450 J8223
- 63983 MAHESHWARI, P. The Seventh International Botanical Congress, Stockholm. J. Sci. & Indus. Res. 10A:10-13. Jan.1951. 475 J82
- 63984 MARSHALL, H. S. Palisot de Beauvois's Flore d'Oware et de Benin, en Afrique. Kew B. 1951:43-50. 451 K51B
- 63985 MEEUSE, B. J. D. De orchidee en de aardappel [Orchids and potatoes]. Delft, Meinema, 1950. 16 p. 442 M474
Plant science.
- 63986 MEIKLE, K. E. Plant names can be intriguing. Horticulture 29:252. July 1951. 80 H787

- 63987 MICHIE, MRS. W. T. Laws protecting native plant material. *Volunteer Gard.* 8(3):8-9. Spring 1951. 80 N88
- 63988 MITRA, G. C., CHANDRAN, K. R., and RAO, N. K. S. Search for antibacterials in Phanerogams. (Abs.) *Indian Sci. Cong. Proc.* 36(3):185-186. 1949. 513 In22
- 63989 MOLDENKE, H. N. Plants—and "The Man of Peace." *Gard. J.* 1:71-72. May/June 1951. 80 G1635
- Plants of the Bible.
- 63990 MOORE, E. G., and CHILDERS, L. E. Plant science after fifty years. *Science* 113(2948):3. June 29, 1951. 470 Sci2
- 63991 MORSTATT, H. Nomenklatur im systematischen und angewandten bereich. *Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz* 58:81-82. Mar./Apr. 1951. 464.8 Z3
- 63992 MUENSCHER, W. C. Bergen swamp. N. Y. State Conserv. 5(6):2-3. June/July 1951. 279.8 N48
- Includes vegetation.
- 63993 MULLIGAN, B. O. The Arboretum in the winter. *Arboretum B.* 14:1-4, 28-29. Spring 1951. 451 Ar1
- At University of Washington.
- 63994 OGURA, Y. A fossil tree-fern from Shikoku. (In Japanese.) *J. Jap. Bot.* 25:228. Sept./Dec. 1950. 450 J8223
- 63995 OGURA, Y. Recommend a fossil wood *Xenoxylon latiporosum* as a leading fossil. (In Japanese.) *J. Jap. Bot.* 25:184. Aug. 1950. 450 J8223
- 63996 OKABE, M., and NOZAKI, S. Cultivated plants in the Hachijo Island. (In Japanese.) *J. Jap. Bot.* 26:53-55. Feb. 1951. 450 J8223
- 63997 PANT, D. D. On a cluster of male cones from the Jurassic of the Rajmahal Hills in Bihar. (Abs.) *Indian Sci. Cong. Proc.* 36(4):11. 1949. 513 In22
- 63998 PANT, D. D. On the occurrence of *Pityosporites* Seward in a Lower Gondwana Tillite from Australia and its possible relationships with *Glossopteris*. (Abs.) *Indian Sci. Cong. Proc.* 36(4):10-11. 1949. 513 In22
- 63999 PERESVETOV, A. S. Psilophyta findings in U.S.S.R. (In Russian.) *Bot. Zhur.* 35:647-654. Ref. Nov./Dec. 1950. 451 R923
- Paleobotany.
- 64000 PESMAN, M. W. An official name for each plant. *Green Thumb [Denver]* 8(4):12-14. Apr. 1951. 80 G82
- 64001 PICKEL, B. J. Botanical notes on the "Medicina Brasiliense" of Piso (1648). (In Portuguese.) *Per-nambuco. Sec. de Agr., Indus. e Com. B.* 16:181-202. July/Dec. 1949, pub. 1950. 9.2 P423
- 64002 PITOT, A. Récolte et préparation des collections botaniques. *Inst. Franc. d'Afrique Noire. Instr. Som.* 2,42 p. 1950. 515 D141
- 64003 PITTENGER, T. H., and FROLIK, E. F. Temporary mounts for pollen abortion determinations. *Stain Technol.* 26:181-184. July 1951. 442.8 St1
- 64004 PORSILD, A. E. Vegetation of Arctic Alaska and Yukon. *Natl. Res. Council. B.* 122:53-55. Apr. 1951. 330.9 N21
- With comment by W. A. Dayton.
- 64005 PORTUGAL. ESTACAO AGRONOMICA NACIONAL. 1951 index seminum. *Sacavém*, 1951. 23 p. 61.5 P833
- 64006 RAPER, K. B., and BENEDICT, R. G. The drugs of microbial origin. *U. S. D. A. Ybk.* 1950/51: 734-741. 1 Ag84Y
- Antibiotic substances.
- 64007 ROGERS, D. P. The relative dates of Gray's Natural Arrangement, Méral's Nouvelle Flore and Hooker's Flora Scotica. *Mycologia* 43:376-378. May/June 1951. 450 M99
- 64008 RUI, D. Experimental results of hall protection, 1950. (In Italian.) *Informatore Agr.* 7(9):4. (Concl.) May 1, 1951. 281.8 In32
- Italy.
- 64009 SALLE, A. J., JANN, G. J., and WAYNE, L. G. Studies on the antibacterial properties of *Eriodictyon californicum*. *Arch. Biochem. & Biophys.* 32:121-123. June 1951. 381 Ar2
- 64010 SANTA BARBARA BOTANIC GARDEN. Annual report for the year 1950. Santa Barbara, 1950. 16 p. 451 Sa5A
- 64011 SANTAPAU, H. Changes in plant names. *J. Sci. & Indus. Res.* 10B:49-50. Feb. 1951. 475 J82
- 64012 SARRA, V. Photographing Cattleyas. *Amer. Orchid Soc. B.* 20:391-394. July 1951. 80 Am329
- 64013 SCHAFFER, P. S., SCOTT, W. E., and FONTAINE, T. D. Antibiotics that come from plants. *U. S. D. A. Ybk.* 1950/51:727-732. 1 Ag84Y
- 64014 SCHEFFER, T. H. Introduction of the chestnut (*Castanea*) into our Pacific Northwest. *Arboretum B.* 14:17, 36-37. Spring 1951. 451 Ar1
- 64015 SEN, J. Microfossils of Laitryngew coal seam and the age of the Cherra sandstones. (Abs.) *Indian Sci. Cong. Proc.* 36(3):151-152. 1949. 513 In22
- Pollen analysis.
- 64016 SOMMER, F. W. Research methods in paleobotany. (In Portuguese.) *Acad. Bras. de Cien. An.* 22: 421-439. Ref. Dec. 31, 1950. 516 R473A
- 64017 SOPER, J. H. Plant hunting in southern Ontario. *Roy. Canad. Inst. Proc. (ser. 3A)* 15:41-42. 1949/50. 517 T63P
- 64018 STEERE, W. C. Botanical research in Alaska. *Natl. Res. Council. B.* 122:51-52. Apr. 1951. 330.9 N21
- 64019 STRESHINSKII, M. O. Role of antibiotic substances in the antagonistic interrelations of *Penicillium notatum* and *Bacillus subtilis*. (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 17:96-128. Ref. 1950. 442.9 P44
- 64020 SUKACHEV, V. N., and SOCHAVA, V. B. On the future Fourth All-Union Botanical Congress. (In Russian.) *Bot. Zhur.* 35:692-694. Nov./Dec. 1950. 451 R923
- 64021 SWAEBLY, M. A. The serial sectioning of dried mature cereal seeds. *Stain Technol.* 26:153-156. July 1951. 442.8 St1
- 64022 SWART, E. A., ROMANO, A. H., and WAKSMAN, S. A. Fradacin, an antifungal agent produced by *Streptomyces fradiae*. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:65-66. 1950. 448.39 So12A
- 64023 SYMPOSIUM on the origin of cultivated plants [of South Asia]. *Sci. & Cult.* 16:403-405. Mar. 1951. 475 Sci24
- 64024 TIWARI, N. K. Aceto-haematoxylin, a new nuclear stain. (Abs.) *Indian Sci. Cong. Proc.* 36(4):4. 1949. 513 In22
- 64025 TIWARI, N. K. A little-known multipurpose double-stain. (Abs.) *Indian Sci. Cong. Proc.* 36(4):2-3. 1949. 513 In22
- 64026 TOOKER, D. Dawn plants of Gilboa; paleobotany of New York tells the story of land as it was before mammals, birds appeared on earth. *Frontiers* 15:100-102, 127-128. Apr. 1951. 410 F92
- 64027 UEMATU, H. Geobotanical studies on the northern part of Fossa Magna region. (In Japanese.) *J. Jap. Bot.* 26:33-40. Feb. 1951. 450 J8223
- English summary.
- 64028 UNION OF SOUTH AFRICA. NATIONAL BOTANIC GARDENS. Report and accounts for the year ending 31st December, 1950. Kirstenbosch, 1951. 20 p. 451 K63
- 64029 WATARI, S., and YAMAUCHI, F. Some drift woods excavated from alluvial deposits of the Kikugawa plain. (In Japanese.) *J. Jap. Bot.* 26:41-45. Feb. 1951. 450 J8223
- English summary.
- 64030 WHITAKER, D. R. A note on the antibiotic activity of 40 species of wood-rotting fungi. *Canad. J. Bot.* 29:297. June 1951. 470 C16C
- 64031 WIGGINS, I. L. The future of botanical research in Alaska. *Natl. Res. Council. B.* 122:55-57. Apr. 1951. 330.9 N21
- With comment by N. Polunin.
- 64032 WILLIS, J. H. Melbourne's mangroves are dead! *Victorian Nat.* 67:205. Feb. 1951. 410 V66
- 64033 WINTER, A. G., and WILLEKE, L. Untersuchungen über antibiotica aus höheren pflanzen und ihre bedeutung für die bodenmikrobiologie und pflanzensoziologie. *Naturwissenschaften* 38:262-264. June 1, 1951. 474 N213
- 64034 WITTE, K. Untersuchungen zur frage der frostabwehr durch beregung. *Landwirtsch. Weser-Ems.* 98:408-409. May 10, 1951. 18 L2345

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

- 64035 ADAMS, J. Some further additions to the bibliography of Canadian plant geography. *Roy. Canad. Inst. Trans.* 28:161-163. Oct. 1950. 517 T63T
- 64036 ANDERSON, J. P. The flora of Alaska. *Natl. Res. Council. B.* 122:59. Apr. 1951. 330.9 N21
- With comment by E. H. Walker.
- 64037 BISWAS, K., and KUMARAN, M. A. S. The flora of Pareshnath and the neighbouring hills. (Abs.) *Indian Sci. Cong. Proc.* 36(3):127. 1949. 513 In22
- 64038 BOIVIN, B. Centurie de plantes canadiennes. *II. Canad. Field-Nat.* 65:1-26. Jan./Feb. 1951. 410.9 Ot8

- 64039 BOSE, S. C. Plant geography of the Damodar Valley. (Abs.) Indian Sci. Cong. Proc. 36(3):119. 1949. 513 In22
- 64040 FERNANDES, R. Notes on the flora of Portugal. II. (In Portuguese.) Soc. Broteriana. Mem. 6:5-61. 1950. 451 C66M
- 64041 HOWELL, J. T. The arctic-alpine flora of three peaks in the Sierra Nevada. L. West. Bot. 6:141-154. July 1951. 450 L47
- 64042 LE BRUN, P. Nouvelles contributions à l'étude de la flore du Sud-Est de la France. Soc. Bot. de France. B. 97:171-172. 1950. 451 F84B
- 64043 MERXMULLER, H. Zur revision einiger verbreitungangaben. Bayer. Bot. Gesell. Ber. 28:240-242. 1950. 451 B34B
- 64044 OKUYAMA, S. Tentative list of plants for collectors. 10. (In Japanese.) J. Jap. Bot. 26:59-61. Feb. 1951. 450 J8223
- 64045 PENFOUND, W. T. Plants of Oklahoma lakes. Okla. Acad. Sci. Proc. 30:13-14. 1949, pub. Apr. 1951. 500 Ok42
- 64046 ST. JOHN, H. Plant records from Aur Atoll and Majuro Atoll, Marshall Islands, Micronesia. Pacific Plant Studies 9. Pacific Sci. 5:279-286. July 1951. 475 P11
- 64047 SANTAPAU, H. A contribution to the flora of Simhagadh Hill, Poona district. Poona Agr. Col. Mag. 41:270-284. Feb. 1951. 22 P79
- 64048 SCHWAIHOFER, A. Pflanzen der heimat; tabellen zur bestimmung einheimischer samenpflanzen und gefässsporenpflanzen. Ed. 39, rev. by K. F. Schwaighofer. Wien, Hölder-Pichler-Tempsky, 1951. 266 p. 459.7 Sch9
- 64049 SEMENOVA-TIAN-SHANSKAYA, A. M. Geobotanical investigations on the routes of the State shelter-belts, Saratov-Stalingrad (on the right bank of the Volga) and Penza-Kamensk in 1949. (In Russian.) Bot. Zhur. 35:689-691. Nov./Dec. 1950. 451 R923
- 64050 SMITH, A. C. The vegetation and flora of Fiji. Sci. Mon. 73:3-15. July 1951. 470 Sci23
- 64051 TALLON, G. Additions à la flore de Camargue. Terre et la Vie 97:265-274. 1950. 410.9 P21
- 64052 VIEITEZ, E. Notas para la flora gallega. An. de Edafologia y Fisiol. Veg. 9:431-439. Ref. July/Aug. 1950. 506 Sp12
- 64053 WALL, A., and ALLAN, H. H. The botanical names of the flora of New Zealand, their origin, history and meaning, with hints on pronunciation. Ed. 2. Christchurch, N.Z., Whitcombe & Tombs, 1950. 92 p. 460.38 W15B
- Spermatophytes**
- 64054 ABE, C. On the habitat of *Glaziocharis abei*. (In Japanese.) J. Jap. Bot. 25:197-199. Sept./Dec. 1950. 450 J8223
- 64055 AKASAWA, Y. A new species of *Glaziocharis* (Burmanniaceae) found in Japan. J. Jap. Bot. 25:193-196. Sept./Dec. 1950. 450 J8223
- 64056 ALLEIZETTE, C. D'. *Seseli libanotis* L. ssp. *chouvignyana* d'Allz. *Libanotis alleizettei* Sennen. Soc. Bot. de France. B. 97:208-210. 1950. 451 F84B
- 64057 ALTHOFER, G. W. *Grevillea anethifolia*. Victorian Nat. 67:211. Feb. 1951. 410 V66
- 64058 ARAKI, Y. *Spicilegia florum nipponiae*. J. Jap. Bot. 25:205-207. Sept./Dec. 1950. 450 J8223
- Includes *Allium wakegi* n. sp.
- 64059 BARNEY, R. C. *Astragalus tegetarius*: a correction. L. West. Bot. 6:154. July 1951. 450 L47
- 64060 BEETLE, A. A. Check list of Wyoming grasses. Wyo. Range Mangt. 35, 7 p. May 1951. 60.19 W99
- 64061 BENOIST, R. Quelques Acanthacées des Colonies Portugaises Africaines. Soc. Broteriana. B. (ser.2) 24:5-39. 1950. 451 C66
- 64062 BISWAS, K., and BOLE, P. V. Notes on the distribution and systematic position of Indian *Dipterocarpus*. (Abs.) Indian Sci. Cong. Proc. 36(3):127. 1949. 513 In22
- 64063 BLAKE, S. F. Note on some names in *Schkuhria*. L. West. Bot. 6:154-155. July 1951. 450 L47
- 64064 BOAS, F. Über eine kleinblütige form von *Ranunculus acer*. Bayer. Bot. Gesell. Ber. 28:289-290. 1950. 451 B34B
- 64065 BOAS, F. Über *Lamium amplexicaule*. Bayer. Bot. Gesell. Ber. 28:291. 1950. 451 B34B
- 64066 BOUCHARD, J. Plantes critiques, méconnues ou nouvelles pour la flore de France. Soc. Bot. de France. B. 97:219-221. 1950. 451 F84B
- 64067 BOWDEN, W. M., and MILLER, B. Distribution of the papaw, *Asimina triloba* (L.) Dunal, in southern Ontario. Canad. Field-Nat. 65:27-31. Ref. Jan./Feb. 1951. 410.9 Ot8
- 64068 BUNEKER, R. H. Habitat of *Notocactus leninghausii* and *N. haselbergii*. (In Dutch.) Succulenta 1951: 30-31. Mar./Apr. 1951. 450 Su12
- 64069 BURKART, A. Las dos especies forrajeras de *Pueraria* (kudzu). La Plata. U. Nac. Facul. de Agron. Rev. 27:141-161. Ref. July 1950. 9 R32
- English summary.
- 64070 BURTT, B. L. The genus *Ricotia*. Kew B. 1951:123-132. 451 K51B
- 64071 CABRERA, A. L. Mutisieas sudamericanas nuevas o criticas. Soc. Argentina de Bot. B. 3:157-163. Oct. 1950. 451 So124
- Nassauvia*, *Leuceria*, and *Perezia*.
- 64072 CAMUS, A. Sous-genre nouveau de Graminées malgaches. Soc. Bot. de France. B. 97:227-228. 1950. 451 F84B
- Chloris* subg. *Pterochloris*.
- 64073 CASWELL, D. B. Florida's native orchids. Green Thumb [St. Petersburg] 1(5):13-15. Mar. 1951. 80 G822
- 64074 CAVACO, A. Deux *Xilooloena* (Chlaenaceae) nouvelles. Soc. Bot. de France. B. 97:224-225. 1950. 451 F84B
- 64075 DAVIS, G. L. A revision of the Australian species of the genus *Lagenophora* Cass. Linn. Soc. N. S. Wales. Proc. 75:122-132. Ref. 1950. 514 Sv2
- 64076 DAVIS, G. L. Revision of the genus *Solenogyne* Cass. Linn. Soc. N. S. Wales. Proc. 75:188-194. Ref. 1950. 514 Sv2
- 64077 DAVIS, P. H. Additamenta ad floram Anatoliae: II. Kew B. 1951:63-121. 451 K51B
- Includes new species in: *Calamintha*, *Micromeria*, *Nepeta*, *Phlomis*, *Salvia*, *Scutellaria*, *Sideritis*, *Stachys*, and *Teucrium*.
- 64078 DIMITRI, M. J. Las "cinerarias" ornamentales cultivadas en la Argentina. Rev. Argentina de Agron. 18:18-32. Ref. Mar. 1951. 9 R327
- Centaurea* and *Senecio* spp.
- 64079 FASSETT, N. C. *Callitriche* in the New World. *Rhodora* 53:137-155, 161-182. (Cont.) June/July 1951. 450 R34
- 64080 FERNANDES, R. The genus *Murbeckiella* Rothm. in Portugal. (In Portuguese.) Soc. Broteriana. Mem. 6:79-91. 1950. 451 C66M
- 64081 FESSENDEN, G. R. Loddiges' rattlesnake plantain [*Goodyera tessellata*] in Maryland. Amer. Orchid Soc. B. 20:413-415. July 1951. 80 Am325
- 64082 FIRTH, E. P. The romance of a lost orchid [*Aerangis rhodosticta*]. Amer. Orchid Soc. B. 20:342-343. June 1951. 80 Am329
- 64083 FRANCO, J. DO. A. *Cedrus libanensis* et *Pseudotsuga menziesii*. Soc. Broteriana. B. (ser.2) 24:73-77. 1950. 451 C66
- 64084 FUJITA, Y. *Clausena lunulata* Hay. and *C. anisumolens* Merr. A chemical and ethnological note. (In Japanese.) J. Jap. Bot. 26:47-48. Feb. 1951. 450 J8223
- 64085 GAGNEPAIN, F. Une nouvelle adventice [*Lampyris intermedia*] en France. Soc. Bot. de France. B. 97:217-218. 1950. 451 F84B
- 64086 GAUCKLER, K. *Omphalodes scorpioides* (Hnke.) Schrk. und *Myosotis sparsiflora* Mik. in Bayern. Bayer. Bot. Gesell. Ber. 28:238-240. 1950. 451 B34B
- 64087 GILLILAND, H. B. Three new *Acacias* from the Ogaden. Kew B. 1951:139-140. 451 K51B
- 64088 GREEN, A. H. *Pararistolochia goldieana* (Hook f.) Hutch. et Dalz. Kew B. 1951:132. 451 K51B
- 64089 HAAS, P. A. Systematische beobachtungen über das quellgras *Catabrosa aquatica* P. B. Bayer. Bot. Gesell. Ber. 28:212-216. 1950. 451 B34B
- 64090 HACKNEY, F. M. V. A review of and contribution to knowledge of *Phylloglossum drummondii* Kunze. Linn. Soc. N. S. Wales. Proc. 75:133-152. Ref. 1950. 514 Sv2
- 64091 HARA, H. *Betula kenaica* (1947). (In Japanese.) J. Jap. Bot. 25:203-204. Sept./Dec. 1950. 450 J8223
- 64092 HAWKES, A. D. Major genera of cultivated orchids—XII. Amer. Orchid Soc. B. 20:361. June 1951. 80 Am329
- 64093 HEYNE, K. De nuttige planten van Indonesië [The useful plants of Indonesia]. Ed. 3. 's-Gravenhage, Van Hoeve, 1950. 2 v. 460.21 H51
- 64094 HISAUCHI, K. *Eustoma selenifolium* is cultivated in Tokyo. (In Japanese.) J. Jap. Bot. 25:199. Sept./Dec. 1950. 450 J8223

- 64095 HISAUCHI, K. Japanese name of *Nierenbergia rivularis*. (In Japanese.) J. Jap. Bot. 25:218. Sept./Dec. 1950. 450 J8223
- 64096 HISAUCHI, K. A queer *Pinellia*. (In Japanese.) J. Jap. Bot. 26:27-28. Jan. 1951. 450 J8223
English summary.
- 64097 ISELY, D. The leguminosae of the north-central United States: I. Loteae and Trifolieae. Iowa State Col. J. Sci. 25:439-482. Ref. Apr. 1951. 470 Io9
- 64098 ISHIKAWA, M. Japanese name of *Solanum mammosum* L. (In Japanese.) J. Jap. Bot. 25:217-218. Sept./Dec. 1950. 450 J8223
- 64099 JACQUES-FELIX, H. Le genre *Guyonia* Naud. (incl. *Azeliella* Gilg) Mélast. Soc. Bot. de France. B. 97:225-227. 1950. 451 F84B
- 64100 JOVET, P. Sur l'*Achillea micrantha* (M. B.) Boiss. et le *Lampsana intermedia* Bieb. Importance des observations relatives aux plantes adventices. Soc. Bot. de France. B. 97:218-219. 1950. 451 F84B
- 64101 KENG, H. New or critical *Euphorbiaceae* from eastern Asia. Wash. Acad. Sci. J. 41:200-205. June 1951. 500 W276J
Includes new species in: *Agyneia*, *Liodendron* n.g., *Daphniphyllum*, *Acalypha*, and *Euphorbia*.
- 64102 KITAGAWA, M. The description of *Viola diamantiaca* Nakai var. *glabrior* Kitagawa. J. Jap. Bot. 25:201-203. Sept./Dec. 1950. 450 J8223
- 64103 KITAGAWA, M. *Notulae fractae ob floram asiae orientalis*. 6. J. Jap. Bot. 26:11-18. Jan. 1951. 450 J8223
Includes new sp. in: *Juncus*, *Pucciniella*, *Bupleurum*, and *Veronica*.
- 64104 KITAMURA, S. *Saussureae*. Tokyo, Shunyodo Shoten, 1950. p. 450-475. (Natai, T., ed. *Iconographia plantarum asiae orientalis*, v. 5, No. 1.) 460.1 N14
- 64105 KRAPOVICKAS, A. Una nueva especie del genero *Nototriche* [N. copon] (Malvaceae). Soc. Argentina de Bot. B. 3:170-173. Oct. 1950. 451 So124
- 64106 KREH, W. Über den rückgang der knabenkräuter in der Stuttgarter umgebung während des letzten jahrhunderts. Württemb. Landesstelle f. Nat. Schutz. u. Landschaftspflege. Veröffentl. 19:64-70. 1950. 410.9 W96
- 64107 KURATA, S. On *Arisaema izuense* Nakai. (In Japanese.) J. Jap. Bot. 25:218. Sept./Dec. 1950. 450 J8223
- 64108 LAWALRÉE, A. Le *Roripa microphylla* en France. Soc. Bot. de France. B. 97:212-213. 1950. 451 F84B
- 64109 LEMESLE, R. Une station d'*Achillea micrantha* (M. B.) Boiss. près de Poitiers. Soc. Bot. de France. B. 97:206-207. 1950. 451 F84B
- 64110 LEMKE, W. Vorläufige mitteilung über die geschlechterverteilung bei *Carex intermedia* Good. (= *C. disticha* Lam. et DC. vix Huds.). Bayer. Bot. Gesell. Ber. 28:216-218. 1950. 451 B34B
- 64111 LEROY, J. F. La conception synthétique de l'espece: étude morphologique et biogéographique sur un groupe de *Celtis* de la section *Solenostigma* (Ulmacées-Celtidoidées). Inst. Franç. d'Afrique Noire. B. 10:212-234. 1948, pub. 1951. 515 D14
- 64112 LITARDIÈRE, R. DE. Un *Festuca* nouveau pour la flore Portugaise: *F. rubra* L. var. *rivularis* (Boiss.) Hack. Soc. Broteriana. B. (ser. 2) 24:89-96. Ref. 1950. 451 C66
- 64113 LUDLOW, F. The *Primulas* of Kashmir. Roy. Hort. Soc. J. 76:191-206. June 1951. 84 L84J
- 64114 MCCAULEY, O. D. The woody plants of Coopers Rock State Forest [West Virginia]. *Castanea* 16:49-63. Ref. June 1951. 450 So82
- 64115 MCMINN, H. E. Studies in the genus *Diplacus*, *Scrophulariaceae*. Madrono 11:33-128. Ref. Apr. 1951. 450 M26
- 64116 MARKGRAF-DANNENBERG, J. Die gattung *Festuca* in den Bayerischen Alpen. Bayer. Bot. Gesell. Ber. 28:195-211. Ref. 1950. 451 B34B
- 64117 MIZUSHIMA, M. On *Stellaria diversiflora* Maxim. and its allies. J. Jap. Bot. 26:1-8. Jan. 1951. 450 J8223
- 64118 MOLDENKE, H. N. Additional notes on the *Eriocaulaceae*. VI. *Phytologia* 3:468-472. June 1951. 450 P563
- 64119 MOLDENKE, H. N. The known geographic distribution of the members of the *Verbenaceae*, *Avicenniaceae*, *Stilbaceae*, *Symphoremaceae*, and *Eriocaulaceae*. Supplement 5. *Phytologia* 3:448-468. June 1951. 450 P563
- 64120 MOLDENKE, H. N. Notes on new and noteworthy plants. XII. *Phytologia* 3:406-448. June 1951. 450 P563
Includes new species in: *Callicarpa*, *Clerodendrum*, *Eriocaulon*, *Lantana*, *Paepalanthus*, *Premna*, *Priva*, *Syngonanthus*, *Verbena*, and *Vitex*.
- 64121 MOLDENKE, H. N. *Verbenaceae* novelties from Africa and South America. *Amer. J. Bot.* 38:321-327. May 1951. 450 Am36
Includes new species in: *Clerodendrum*, *Lantana*, and *Lippia*.
- 64122 MORTON, C. V. New combinations in *Equisetum* and *Pellaea*. L. West. Bot. 6:156. July 1951. 450 L47
- 64123 MULKIDZHANIAN, I. A. I. Materials for the recognition of the genus *Acantholepis* Less. (In Russian.) *Akad. Nauk Armianskoj SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:839-842. 1950. 20 Er4
- 64124 NAKAI, T. Contributions to the knowledge of flowering plants. *Natl. Sci. Mus. B.* 29:71-98. Dec. 1950. 513 T579
Includes new species in: *Buddleia* and *Primula*, *Stewartia*, *Aconitum*, and *Impatiens*.
- 64125 NELMES, E. Three new sections of *Carex*. *Kew B.* 1951:121. 451 K51B
- 64126 OKADA, Y. The southern extremity of distribution of *Undaria pinnatifida* (Harv.) Sur. (In Japanese.) J. Jap. Bot. 25:208. Sept./Dec. 1950. 450 J8223
- 64127 OKUYAMA, S. A new species of *Berchemia* [*B. longiracemosa*]. J. Jap. Bot. 26:9-10. Jan. 1951. 450 J8223
- 64128 PANGALO, K. I. Melons as an independent genus, *Melo* Adans. (In Russian.) *Bot. Zhur.* 35:571-580. Nov./Dec. 1950. 451 R923
- 64129 PELLEGRIN, F. *Cola* du Gabon. Soc. Bot. de France. B. 97:201-203. 1950. 451 F84B
- 64130 PELLEGRIN, F. *Sterculia* et *Cola* du Gabon. Soc. Bot. de France. B. 97:187-189. 1950. 451 F84B
- 64131 POELT, J. *Aremonia agrimonoides* (L.) Necker in Bayern. Bayer. Bot. Gesell. Ber. 28:297. 1950. 451 B34B
- 64132 POHL, R. W. The genus *Setaria* in Iowa. Iowa State Col. J. Sci. 25:501-508. Apr. 1951. 470 Io9
- 64133 PORTÈRES, R. Deux nouvelles espèces naines de *Combretum* à pousses annuelles de l'Ouest africain (*Combretum simulans*, n. sp. et *C. arenarium*, n. sp.). Soc. Bot. de France. B. 97:179-181. 1950. 451 F84B
- 64134 PORTÈRES, R. *Eleusine coracana* Gaertner, céréale des humanités pauvres des pays tropicaux. Inst. Franç. d'Afrique Noire. B. 13:1-78. Jan. 1951. 515 D14
- 64135 RAO, R. S. Occurrence of *Paragrewia* Gagnep. in India and Burma. (Abs.) *Indian Sci. Cong. Proc.* 36(3): 134-135. 1949. 513 In22
- 64136 RAO, R. S. A revision of the Indo-Malayan species of *Chonemorpha* G. Don. (Abs.) *Indian Sci. Cong. Proc.* 36(3): 134. 1949. 513 In22
- 64137 RAYMOND-HAMET. Sur deux *Kalanchoe*, l'un, insuffisamment connu, de l'Angola, l'autre, nouveau, récolté dans la Colonie Portugaise du Mozambique. Soc. Broteriana. B. (ser. 2) 24:97-113. 1950. 451 C66
- 64138 ROBERTY, G. Notes de botanique ouest-africaine. III. Les principaux *Ficus* ouest-africains. Notes Africaines 49:2-4. Jan. 1951. 475 N84
- 64139 ROSS, J. G., CALHOUN, B. M., and SALAMUN, P. J. Preliminary reports on the flora of Wisconsin. XXXIII, XXXVI. *Wis. Acad. Sci. Arts & Let. Trans.* 40(2): 93-138. 1951. 500 W75
- XXXIII, *Najadaceae*, by J. G. Ross and B. M. Calhoun; XXXVI, *Scrophulariaceae*, by P. J. Salamun.
- 64140 RUPP, H. M. R. Proposed new genus [*Rhinerhiza*] of orchids. *Victorian Nat.* 67:206-210. Feb. 1951. 410 V66
- 64141 ST. JOHN, H., and STOREY, W. B. Diagnoses of new species of *Cyrtandra* (*Gesneriaceae*) from Oahu, Hawaiian Islands. *Hawaiian Plant Studies* 20. Bernice P. Bishop Mus. Occas. Papers 20:77-88. Aug. 25, 1950. 500 B450
- 64142 SANDWITH, N. Y. Contributions to the flora of tropical America: LII. New *Malpighiaceae* from British Guiana. *Kew B.* 1951:33-37. 451 K51B
New species in *Hiraea* and *Lophopteris*.
- 64143 SATO, M. Notes on *Sieversia pentapetala* var. *dilatata* Takeda et Honda. (In Japanese.) J. Jap. Bot. 26: 56. Feb. 1951. 450 J8223

- 64144 SCHNELL, R. Plantes nouvelles des Monts Nimba (Afrique Occidentale Française). Rev. Gen. de Bot. 57:278-291. 1950. 450 R326
Includes new species in: Dolichos, Pilea, Ixora, Uragoga, and Cyanotis.
- 64145 SENAY, P. Réhabilitation du Festuca loliacea Hudson (Festuca pratensis \times Lolium perenne). Soc. Bot. de France. B. 97:228-230. 1950. 451 F84B
- 64146 SHAW, H. K. A. Coris (Primulaceae?) in Somaliland. Kew B. 1951:29-31. Ref. 451 K51B
- 64147 SMITH, L. B. Studies in the Bromeliaceae, XVI. U. S. Natl. Mus. Contrib. U. S. Natl. Herb. 29(10), 520 p. 1951. 450 C76
Includes new species in: Aechmea, Pitcairnia, Tillandsia, and Vriesia.
- 64148 SMITH, P. G., and HEISER, C. B., JR. Taxonomic and genetic studies on the cultivated peppers, Capsicum annuum L. and C. frutescens L. Amer. J. Bot. 38: 362-368. Ref. May 1951. 450 Am36
- 64149 STERN, F. C., and TAYLOR, G. A new peony from S. E. Tibet. Roy. Hort. Soc. J. 76:216-217. June 1951. 84 L84J
Paeonia lutea ludlowii.
- 64150 STRATTON, R. Distribution records of Oklahoma flowering plants. Okla. Acad. Sci. Proc. 30:14-15. 1949, pub. Apr. 1951. 500 Ok42
- 64151 TATEBE, Y. New locality of Hetaeria sikokiana (Makino et F. Maekawa) Tuyama. (In Japanese.) J. Jap. Bot. 25:172. Aug. 1950. 450 J8223
- 64152 THORNE, R. F. Vascular plants previously unreported from Georgia. Castanea 16:29-48. Ref. June 1951. 450 So82
- 64153 TUYAMA, T. On the vernacular name of Smilax china. (In Japanese.) J. Jap. Bot. 26:62-63. Feb. 1951. 450 J8223
- 64154 WARD, F. K. Palms. Gard. Chron. 129:188. June 9, 1951. 80 G162
- 64155 WHITE, F. Notes on five West African species of Cissus Linn. Kew B. 1951:53-62. 451 K51B
- 64156 WOODSON, R. E., JR. Studies in the Apocynaceae. VIII. An interim revision of the genus Aspidosperma Mart. & Zucc. Mo. Bot. Gard. Ann. 38:119-206. May 1951. 451 M69
- Pteridophytes**
- 64157 ABBAYES, H. DES, ALSTON, A. H. G., and TARDIEU-BLOT, M. L. Contribution à la flore des Pteridophytes d'A. O. F. (Guinée et Côte d'Ivoire). Inst. Franç. d'Afrique Noire. B. 13:79-86. Jan. 1951. 515 D14
- 64158 BAKER, W. H. Ferns of Iron Mountain, Rogue River Range, Oregon. Amer. Fern J. 41:20-23. Jan./Mar. 1951. 450 Am35
- 64159 BERTSCH, K. Merkwürdige farne aus dem naturschutzgebiet am Hohentwiel. Württemb. Landesstelle f. Nat. Schutz. u. Landschaftspflege. Veröffentl. 19:71-87. 1950. 410.9 W96
- 64160 BISWAS, K., and SINGH, S. Some common ferns of the Darjeeling District. (Abs.) Indian Sci. Cong. Proc. 36(3):124. 1949. 513 In22
- 64161 CRAWFORD, L. C. A new fern [Thelypteris pilosa] for the United States. Amer. Fern J. 41:15-20. Jan./Mar. 1951. 450 Am35
- 64162 DHIEU, R. Contribution à la flore de la nièvre. Soc. Bot. de France. B. 97:230-231. 1950. 451 F84B
Pteridophyta.
- 64163 GREGORY, P. H. Deposition of air-borne Lycopodium spores on cylinders. Ann. Appl. Biol. 38: 357-376. Ref. June 1951. 442.8 An72
- 64164 KURATA, S. Dryopteris toyamae Tagawa, new to Honshu (Mt. Kiyosumi, Pref. Chiba). (In Japanese.) J. Jap. Bot. 26:63. Feb. 1951. 450 J8223
- 64165 MAHABALE, T. S., and BISWAS, T. The structure and life history of Anisogonium esculentum Presl. (Abs.) Indian Sci. Cong. Proc. 36(3):124. 1949. 513 In22
- 64166 NAKAI, T. New classification of Gleicheniales, etc. Natl. Sci. Mus. B. 29:1-71. Dec. 1950. 513 T579
Includes new species in: Acropterygium n.g., Sticherus, Calymella, and Diplopterygium n.g.
- 64167 REED, C. F. New or unusual forms of ferns from Maryland and Pennsylvania. Castanea 16:65-71. June 1951. 450 So82
- 64168 REED, C. F. Notes on the ferns of Kentucky. I. Dryopteris goldiana. Amer. Fern J. 41:5-8. Jan./Mar. 1951. 450 Am35
- 64169 TAGAWA, M. Fern miscellany. 4. J. Jap. Bot. 26:19-22. Jan. 1951. 450 J8223
- 64170 TRYON, R. M., JR. Ferns of the Missouri Ozark region. Mo. Bot. Gard. B. 39:136-138. June 1951. 451 M69B

- 64171 WAGNER, W. H., JR. A new species of Diellia from Oahu. Amer. Fern J. 41:9-13. Jan./Mar. 1951. 450 Am35
- 64172 YAMAZAKI, T. Notulae ad Scrophulariaceae Asiae Orientalis. I. J. Jap. Bot. 25:209-217. Sept./Dec. 1950. 450 J8223
Includes new spp. in Petitmenginina and Scrophularia.

Bryophytes

- 64173 CLARK, L., and SVIHLA, R. D. Frullania atrosanguinea. Bryologist 54:72-74. Mar. 1951. 450 B84
- 64174 CLARK, L., and SVIHLA, R. D. Frullania compacta. Bryologist 54:54-56. Mar. 1951. 450 B84
- 64175 CONARD, H. S. Decurrent leaves of Barbula rubiginosa and B. cylindrica. Bryologist 54:77. Mar. 1951. 450 B84
- 64176 CONARD, H. S. Homalothecium nuttallii. Bryologist 54:74-75. Mar. 1951. 450 B84
- 64177 CONARD, H. S. The moss clinic. Bryologist 54:70-71. Mar. 1951. 450 B84
- 64178 EYERDAM, W. J. Ulota drummondii in North America. Bryologist 54:57-58. Mar. 1951. 450 B84
- 64179 GREEN, E. C. Some notes on the mosses of the Folkestone District of East Kent. So.-East. Nat. & Antiquary 55:51-58. 1951. 501 So82
- 64180 KOCH, L. F. Mosses of California. III. Bryum tortifolium and Stroemia obtusifolia. Bryologist 54:69-70. Mar. 1951. 450 B84
- 64181 KRAJINA, V., and BRAYSHAW, T. C. A new species of Pellia. Bryologist 54:59-67. Mar. 1951. 450 B84
- 64182 NOGUCHI, A. On Sakuraia Broth., a genus of Musci. (In Japanese.) J. Jap. Bot. 26:49-52. Feb. 1951. 450 J8223
- 64183 PANDE, S. K., BHARDWAJ, D. C., and UDAR, R. South Indian Hepatics I. (Abs.) Indian Sci. Cong. Proc. 36(4):9. 1949. 513 In22
- 64184 PARRIAT, H. Mousses de la réserve de Camargue. Terre et la Vie 97:275-278. 1950. 410.9 P21
- 64185 PAUL, H., and POELT, J. Weitere nachträge und bemerkungen zur moosflora Bayerns. Bayer. Bot. Gesell. Ber. 28:279-289. 1950. 451 B34B
- 64186 SAKURAI, K. Reports on interesting Japanese mosses. (In Japanese.) J. Jap. Bot. 25:219-224. Sept./Dec. 1950. 450 J8223
Includes new species in: Calohypnum n.g., Kurohimehypnum n.g., and Erpodium.
- 64187 SHLIAKOV, R. N. Pacific Ocean moss, Habrodon leucotrichus (Mitt.) H. Perss. in Southern Urals. (In Russian.) Bot. Zhur. 35:630-636. Ref. Nov./Dec. 1950. 451 R923
- 64188 TAKAKI, N. Notes on Japanese moss flora. J. Jap. Bot. 25:185-192. Aug. 1950. 450 J8223
Includes Diphyscium perminutum n. sp.
- 64189 WIJK, R. VAN DER. Three Pottiae. (In Dutch.) Natura 48:77-79. May/June 1951. 410 N2192
- 64190 WITTLAKE, E. B. A new record for Petalophyllum lamellatum (Nees.) Lindb. Bryologist 54:76. Mar. 1951. 450 B84
- 64191 ZEINER, H. M. Mosses and lichens. Green Thumb [Denver] 8(4):6-8. (To be cont.) Apr. 1951. 80 G82

Algae

- 64192 BOCK, O. Sonnen- und schattenform von Tetraspora lubrica (Roth) Ag. Bayer. Bot. Gesell. Ber. 28: 291-293. 1950. 451 B34B
- 64193 BOURRELLY, P., and MANGUIN, E. Florule algologique d'une rizière de Camargue. Terre et la Vie 97:286-297. 1950. 410.9 P21
- 64194 CASTELLANOS, I. La ley del binomio de las diatomeas. B. de Hist. Nat. 1:183-184. Dec. 1950. 410.9 So15B
- 64195 DICKINSON, C. I. and FOOTE, V. J. Marine algae from the Gold Coast. II. Kew B. 1951:133-138. 451 K51B
- 64196 FUKUSHIMA, H. Les végétations algologiques des Shima, source chlorique et amère, Gumma prefecture (In Japanese.) J. Jap. Bot. 25:173-178. Ref. Aug. 1950. 450 J8223
French summary.
- 64197 GESSNER, F. Das phytoplankton der seen Oberbayerns in seiner quantitativen entfaltung. Bayer. Bot. Gesell. Ber. 28:180-194. 1950. 451 B34B
- 64198 GONZALVES, E. A., and GANGLA, K. S. The algae of cultivated soils with similar physical texture. (Abs.) Indian Sci. Cong. Proc. 36(4):6. 1949. 513 In22

- 64199 GONZALVES, E. A., and GANGLA, K. S. The algae of soils differing in physical texture. (Abs.) Indian Sci. Cong. Proc. 36(4):6. 1949. 513 In22
- 64200 HIROSE, H. Studies on *Cyanidium caldarium* (Tilden) Geitler, with special reference to its ecology and distribution in Japan. (In Japanese.) J. Jap. Bot. 25:179-184. Ref. Aug.1950. 450 J8223
- French summary.
- 64201 KOBAYASI, Y. On the Dipodascaceae. (In Japanese.) J. Jap. Bot. 25:161-164. Aug.1950. 450 J8223
- 64202 KOCH, W. Historisches zum vorkommen der rotalge Trailliella intricata (Batters) bei Helgoland. Arch. f. Mikrobiol. 16:78-79. 1951. 442.8 Ar26
- 64203 KONIG, H. Elektronenmikroskopie an diatomeen. Umschau 51:210-211. Apr.1,1951. 474 Um7
- 64204 LUND, J. W. G. Contributions to our knowledge of British Algae. XII. A new planktonic Cyclotella (*C. pratermissa* n. sp.); notes on *C. glomerata* Bachmann and *C. catenata* Brun and the occurrence of setae in the genus. Hydrobiologia 3:93-100. Ref. Jan.2,1951. 410 H992
- 64205 MITRA, A. K. A new method of sexual reproduction in some soil Chlamydomonadaceae. (Abs.) Indian Sci. Cong. Proc. 36(4):7. 1949. 513 In22
- 64206 MOSES, S. T., and PILLAY, T. V. R. Sea-weeds of Baroda coast. (Abs.) Indian Sci. Cong. Proc. 36(3):122. 1949. 513 In22
- 64207 NIKOLAEV, I. I. Principal ecologico-geographic groups of phytoplankton of the Baltic Sea and their distribution. (In Russian.) Bot. Zhur. 35:602-611. Ref. Nov./Dec.1950. 451 R923
- 64208 PRINGSHEIM, E. G. Die sammlung von algen-, flagellaten- und mooskulturen am Botanischen Institut der Universität Cambridge. Arch. f. Mikrobiol. 16:1-17. 1951. 442.8 Ar26
- 64209 SCHOTTER, G. Le genre *Cottoniella* Boergeren (Delessériaceae). Rev. Gen. de Bot. 58:279-299. Ref. May 1951. 450 R326
- 64210 TIFFANY, L. H. Two new Oedogonia from the Philippines. Nat. Hist. Misc. 82,3 p. Apr.13,1951. 500 C43Na
- 64211 UMEZAKI, I. Marine Cyanophyceae from Japan. I. (In Japanese.) J. Jap. Bot. 25:224-228. Sept./Dec.1950. 450 J8223
- English summary.
- 64212 VORONIKHIN, N. N. On the necessity of organizing a collection, picture and card information for works on the study of continental reservoir algae. (In Russian.) Bot. Zhur. 35:645-646. Nov./Dec.1950. 451 R923
- 64213 ZAUER, L. M. Some data on algae of high moors. (In Russian.) Bot. Zhur. 35:612-629. Ref. Nov./Dec.1950. 451 R923
- Fungi (Including Lichens)**
- 64214 ANDERSSON, O. Larger fungi on sandy grass heaths and sand dunes in Scandinavia. Bot. Not. Sup. 2 (2),89 p. Ref. 1950. 450 B656A
- 64215 BATISTA, A. C. A group of fungi. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 16:203-211. Ref. July/Dec.1949, pub.1950. 9.2 P423
- Includes new spp. in: *Lacellina* and *Dothichloe*.
- 64216 BATISTA, A. C. Host identity of *Phyllachora jacarandae* n. sp. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 16:125. July/Dec.1949, pub.1950. 9.2 P423
- 64217 BATISTA, A. C. Species of *Amauroderma* of the Recife Botanical Garden. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 16:124. July/Dec. 1949, pub.1950. 9.2 P423
- 64218 BATISTA, A. C. Three Myxomycetae in Pernambuco. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 16:166-167. July/Dec.1949, pub.1950. 9.2 P423
- Hemitrichia* and *Stemontis*.
- 64219 BITANCOURT, A. A., and JENKINS, A. E. Estudos sobre as Mirianguales II. Vinte novas espécies de Elsinoaceas neotropicais. Studies in the Myrianguales. II. Twenty new neotropical species of Elsinoaceae. São Paulo. Inst. Biol. Arq. 20,28 p. Ref. 1950. 442.9 Sa6
- English summary.
- New species in *Sphaceloma* and *Elsinoe*.
- 64220 BOSE, S. R. Horse-hair fungus [*Marasmius equicrinis*] from Bengal. (Abs.) Indian Sci. Cong. Proc. 36(3):123-124. 1949. 513 In22
- 64221 BOSE, S. R. A truffle (*Tuber* sp.) from Kodakanal Hills (Madras). (Abs.) Indian Sci. Cong. Proc. 36(3):123. 1949. 513 In22
- 64222 BOULY DE LESDAIN, M. Notes lichénologiques No XXXV. Soc. Bot. de France. B. 97:169-171. 1950. 451 F84B
- 64223 BRODIE, H. J. Two heterothallic species of the genus *Nidula*. Mycologia 43:329-337. May/June 1951. 450 M99
- 64224 COMMONWEALTH MYCOLOGICAL INSTITUTE. Bibliography of systematic mycology, 1949. Commonwealth Mycol. Inst. Mimeog. P. 8,28 p. 1950. 451 Im73
- 64225 CUNNINGHAM, G. H. Australian Polyporaceae in herbaria of Royal Botanic Gardens, Kew, and British Museum of Natural History. Linn. Soc. N. S. Wales. Proc. 75:214-249. Ref. 1950. 514 Sy2
- 64226 DEIGHTON, F. C. *Pucciniosira mitragynes* and *P. anthocleista*. Kew B. 1951:138. 451 K51B
- 64227 DUDDINGTON, C. L. Further records of British predacious fungi. II. Brit. Mycol. Soc. Trans. 34:194-209. Ref. June 1951. 451 B76
- On nematodes.
- 64228 DUGHI, R. Une interessante espèce de la flore lichenique de la Camargue: le *Thelopsis subporinella* Nyl. Terre et la Vie 97:279-285. Ref. 1950. 410.9 P21
- 64229 EICHHORN, E. Über pilze. Bayer. Bot. Gesell. Ber. 28:242-246. 1950. 451 B34B
- 64230 ELLIS, M. B., ELLIS, E. A., and ELLIS, J. P. British marsh and fen fungi. I. Brit. Mycol. Soc. Trans. 34:147-169. June 1951. 451 B76
- 64231 GRADDON, W. D. Some new Discomycete records. Brit. Mycol. Soc. Trans. 34:190-193. June 1951. 451 B76
- 64232 HAWKER, L. E. Hypogaeous fungi. I. A hypogaeous gasteromycete, *Sclerogaster macrosporus* n.sp. Brit. Mycol. Soc. Trans. 34:216-219. June 1951. 451 B76
- 64233 HIRSCHHORN, E. Una nueva Ustilaginacea para la flora Argentina: "*Sorosporium syntherismae*." Soc. Argentina de Bot. B. 3:164-169. Oct.1950. 451 Sol24
- 64234 HONGO, T. Notes on Japanese larger fungi. I. J. Jap. Bot. 26:23-26. Ref. Jan.1951. 450 J8223
- 64235 INGOLD, C. T. Aquatic ascomycetes: *Ceriospora caudaeusis* n.sp. and *Ophiobolus typhae*. Brit. Mycol. Soc. Trans. 34:210-215. June 1951. 451 B76
- 64236 IWANO, S. On *Glossodium japonicum* in Hokkaido. (In Japanese.) J. Jap. Bot. 26:55. Feb.1951. 450 J8223
- 64237 JOHNSON, T. W., JR. An isolate of *Dictyuchus* connecting the false-net and true-net species. Mycologia 43:365-372. Ref. May/June 1951. 450 M99
- 64238 KHAN, A. S. On the occurrence of *Physolinum monile* (De Wildeman) Printz in England. Hydrobiologia 3:79-83. Jan.2,1951. 410 H992
- 64239 KILLERMANN, S. Kritische bemerkungen zu J. Schäffers Beitrag zur kenntnis der oberbayerischen pilzflora (1947). Bayer. Bot. Gesell. Ber. 28:246-249. 1950. 451 B34B
- 64240 KLEMENT, O. Zur flechtenvegetation der Oberpfalz. Bayer. Bot. Gesell. Ber. 28:250-275. Ref. 1950. 451 B34B
- 64241 KOBAYASI, Y., and SHIMIZU, D. Nomenclature distribution and deformation of "*shiitake* [*Cortinellus*]." (In Japanese.) J. Jap. Bot. 26:29-31. Jan.1951. 450 J8223
- 64242 LLANO, G. A. A contribution to the lichen flora of Alaska. Wash. Acad. Sci. J. 41:196-200. June 1951. 500 W276J
- Includes new species in: *Cetraria*, *Alectoria*, and *Usnea*.
- 64243 LOWY, B. A morphological basis for classifying the species of *Auricularia*. Mycologia 43:351-358. Ref. May/June 1951. 450 M99
- 64244 MENDES, O. Contribution to a knowledge of the Agaricaceae of Portugal. (In Portuguese.) Soc. Broteriana. Mem. 6:103-111. Ref. 1950. 451 C66M
- 64245 MURRILL, W. A. The poroid genus *Dicranthodes* Singer. Mycologia 43:376. May/June 1951. 450 M99
- Polyporus asterosporus*.
- 64246 PARKER-RHODES, A. F. The Basidiomycetes of Skokholm Island. V. An elementary theory of anemophilous dissemination. New Phytol. 50:84-97. May 1951. 450 N42
- 64247 PAUL, H., and POELT, J. Ein neues äzidium auf *Atropa belladonna* L. Bayer. Bot. Gesell. Ber. 28:297. 1950. 451 B34B
- Puccinia* sp.
- 64248 POELT, J. Beiträge zur flechtenflora Bayerns. Bayer. Bot. Gesell. Ber. 28:276-279. 1950. 451 B34B

- 64249 QUINTANILHA, A., and PINTO-LOPES, J. Aperçu sur l'état actuel de nos connaissances concernant la conduite sexuelle des espèces d'Hyménomycètes. I. Soc. Broteriana. B. (ser.2)24:115-290. 1950. 451 C66
- 64250 RAMAKRISHNAN, T. S. Two new rusts from south India. Brit. Mycol. Soc. Trans. 34:141-145. June 1951. 451 B76
- Gymnopuccinia pulneyensis, n.g., n. sp., and Phakopsora fici-elasticae n. sp.
- 64251 ROGERS, D. P. The lichen collections of the New York Botanical Garden. Bryologist 54:68. Mar. 1951. 450 B84
- 64252 SATO, M. New common names for some Japanese lichens. (In Japanese.) J. Jap. Bot. 25:200. Sept./Dec.1950. 450 J8223
- 64253 SATO, M. Notes on some remarkable Umbilicariae collected in Far Eastern Asia. (In Japanese.) J. Jap. Bot. 25:165-172. Aug.1950. 450 J8223
- Includes Umbilicaria mayebarae n. sp.
- 64254 SEN, J. On a new species of Pucciniastrum from India. (Abs.) Indian Sci. Cong. Proc. 36(3):126. 1949. 513 In22
- 64255 SNELL, W. H., DICK, E. A., and HESLER, L. R. Notes on Boletes. VIII. Mycologia 43:359-364. May/June 1951. 450 M99
- Includes new species in Xerocomus, Leccinum, and Pulveroboletus.
- 64256 SPARROW, F. K. Podochytrium cornutum n.sp., the cause of an epidemic on the planktonic diatom Stephanodiscus. Brit. Mycol. Soc. Trans. 34:170-173. June 1951. 451 B76
- 64257 SUBER, N. I svampskogen [In the mushroom forest]. Örebro, Rabén & Sjögren, 1950. 207 p. Ref. 462.14 Sul
- 64258 THIRUMALACHAR, M. J., and WHITEHEAD, M. D. Notes on some Wisconsin fungi. Wis. Acad. Sci. Arts & Let. Trans. 40(2):235-240. Ref. 1951. 500 W75
- 64259 THOMSON, J. W., JR. Some lichens from the Keweenaw Peninsula, Michigan. Bryologist 54:17-53. Ref. Mar.1951. 450 B84
- 64260 VENKATARAYAN, S. V. Triphragmium ponderosum (Syd. & Butl.) n.comb. Brit. Mycol. Soc. Trans. 34:237-239. Ref. June 1951. 451 B76
- 64261 WICKERHAM, L. J., GILL, R. J., and BURTON, K. New concepts in the phylogeny of yeasts as revealed by a study of the genus Hansenula Hansen. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:36-37. 1950. 448.39 So12A
- 64262 WOOD, E. J. F. The classification of bacteria with special reference to non-pathogenic eubacteria. Linn. Soc. N. S. Wales. Proc. 75:195-213. Ref. 1950. 514 Sy2
- 64263 ZUNDEL, G. L. Notes on the Ustilaginales of the world. V. Mycologia 43:267-270. May/June 1951. 450 M99
- 64272 BORTELS, H. Krankheit, wetter und strahlung. Biöl. Zentanst. f. Land- u. Forstwirt. Mitt. 70:11-14. Feb.1951. 410.9 G31M
- 64273 BRANAS, J. La maladie de Californie (maladie de Pierce). Prog. Agr. et Vitic. 1951:319-322. June 17/24,1951. 14 P94
- Grapes.
- 64274 BUCHHOLTZ, W. F., and WALLIN, J. R. Plant disease research and extension in Iowa. Plant Dis. Rptr. Sup. 203:95-107. Ref. June 15,1951. 1.9 P69P
- 64275 BURRELL, A. B. Are we ready for concentrated spraying? Mountaineer Grower 21(186):14-15,17,20-23,25-26. Mar.1951. 80 M86
- 64276 CALDWELL, R. M. Coordination of extension and research in plant pathology. In U. S. Extension Serv. Extension and research relationships from different viewpoints, p.12-16. Washington,1951. 1.913 P3Ex82
- 64277 CHASE, C. E. The spray residue situation today and forecast for the future. Wash. State Hort. Assoc. Proc. 46:197-200. 1950. 81 W273
- 64278 CHUPP, C., and LEIBY, R. W. The control of diseases and insects affecting vegetable crops. N. Y. Agr. Col. Cornell Ext. B. 206,rev.,105 p. Apr.1951. 275.29 N48E
- 64279 CIFERRI, R. Hollow heart of cacao beans. Phytopathology 41:656. July 1951. 464.8 P56
- 64280 CIFERRI, R. Progress in the control of cryptogamic and non-parasitic diseases. (In Italian.) Cong. Naz. di Frutticolt. Atti 3:339-348. 1949, pub.1950. 93.09 C769
- English summary.
- 64281 COX, C. E., WEAVER, L. O., and BISSELL, T. L. Start the tomato disease and insect control program early. Md. Agr. Col. Ext. Fact Sheet 19,2 p. Apr. 1951. 275.29 M36FA
- 64282 COX, C. E., and WEAVER, L. O. Vegetable disease control chart for Maryland. Md. Agr. Col. Ext. Misc. Ext. P. 5, poster. May 1951. 275.29 M36Mis
- 64283 CROSSA-REYNAUD, P. Note sur un dépérissement de l'amandier dans le sud tunisien. Feuille d'Inform. Vitic. et Arbor. de Tunisie 23:22-24. Feb.1951. 80 F433
- 64284 DIEM, J. Las plantas huespedes de la Loran-tacea Phrygilanthus tetrandrus (Ruiz et Pav.) Eichl. Soc. Argentina de Bot. B. 3:177-179. Oct.1950. 451 So124
- 64285 'DONA' DALLE ROSE, A. Two exceptional infestations of beets during the past season (Cuscuta and Chaetocnema tibialis). (In Italian.) Humus 7(2):14-17. Feb.1951. 16 H88
- 64286 DOPP, W. Schädigung durch sonnenstrahlung bei bäumen. Nat. u. Volk 80:320-323. Dec.15,1950. 509 F856
- 64287 DOTY, R. E. Warfarin (compound 42), a promising new rodenticide for cane fields. Hawaii. Planters' Rec. 54:1-21. 1951. 25 H311
- 64288 DREES. Aufgaben und ziele des pflanzen-schutzes. Biöl. Zentanst. f. Land- u. Forstwirt. Mitt. 70:7-10. Feb.1951. 410.9 G31M
- 64289 EMDEN, J. H. VAN. Notes on some important pests and diseases of tea. (In Dutch.) Bergcultures 20: 152-155,157,159,161,163,165,167. May 1,1951. 22.5 B45
- English summary.
- Indonesia.
- 64290 EMILSSON, B. Effect of fertilizing on some potato diseases. (In Swedish.) Växt-Närings-Nytt 7(3): 7-11. 1951. 57.8 V47
- 64291 ERNOULD, L. Les ennemis et maladies de la betterave en Belgique, en 1950. Inst. Belge pour l'Amélior. de la Betterave. P. 18:179-190. Sept./Oct.1950. 66.9 In7
- English summary.
- 64292 EXT, W. Internationale pflanzen-schutzbesprechung in Kopenhagen. Gesunde Pflanzen 3:52-53. Mar. 1951. 464.8 G33
- 64293 FENNER, C. G. Gas injury to trees and shrubs. Arborist's News 16:44-51. May 1951. 99.8 Ar14
- 64294 FISCHER, G. W., and KIENHOLZ, J. R. Plant disease control panel. Wash. State Hort. Assoc. Proc. 46:123-125. 1950. 81 W273
- 64295 FISCHER, H. Pflanzenkrankheiten und spuren-elemente. Gesunde Pflanzen 3:61-65. Apr.1951. 464.8 G33
- 64296 FREZAL, P. Rapports nationaux; Algérie. Off. Internatl. du Vin. B. 24(243):87-105. May 1951. 390.8 B87
- Protection of vineyards against disease.
- 64297 FROHBERG, E. Neuzeitliche spierlingsbekämpfung. Biöl. Zentanst. f. Land- u. Forstwirt. Mitt. 70:24-27. Feb.1951. 410.9 G31M

PATHOLOGY

General

- 64264 AMERICAN PHYTOPATHOLOGICAL SOCIETY. Symposium on the teaching of plant pathology, 3, Memphis, 1950. Plant Dis. Rptr. 35:278-290. June 15,1951. 1.9 P69P
- Contributions by W. B. Allington, C. C. Allison, B. H. Davis, and R. B. Stevens.
- 64265 ANTONIADES. Rapports nationaux; Chypre. Off. Internatl. du Vin. B. 24(243):116-118. May 1951. 390.8 B87
- Grape disease control.
- 64266 ASQUITH, D., and LEWIS, F. H. Spraying with mist concentrates reduces costs for orchardists. Sci. Farmer [Pa. Sta.] 1951:7-8. Mar.1951. 100 P381
- Disease and insect control.
- 64267 BAKER, K. F. Moisture and diseases; control of humidity important factor in reducing crop losses. Florists' Rev. 108(2798):15-16,46-51. July 12,1951. 80 W41
- 64268 BAXTER, D. V. Pathology in the future forest practice in Alaska. Natl. Res. Council. B. 122:119. Apr. 1951. 330.9 N21
- 64269 BECKER, A. Die kosten der winterspritzung. Gesunde Pflanzen 3:46-47. Mar.1951. 464.8 G33
- 64270 BOCKMANN, H. Die aufgaben des pflanzen-schutzes bei der gestaltung von fruchtfolgen in landwirtschaftlichen betrieiben. Biöl. Zentanst. f. Land- u. Forst-wirt. Mitt. 70:16-19. Feb.1951. 410.9 G31M
- 64271 BOOTH, C. E. Does your garden breed trouble? Horticulture 29:250,274. July 1951. 80 H787
- Diseases and pests.

- 64298 FRÖMMING, E., and PLATE, H. P. Frassschäden an gewächshauspflanzen durch schnecken. *Anz. f. Schädlingssk.* 24:87-88. June 1951. 421 An9
- 64299 FÜRST, H. Fortschritte in der chemie der schädlingbekämpfungs- und pflanzenschutzmittel. *Chem. Tech.* 3:74-79. (To be cont.) Mar. 1951. 384 C4283
- 64300 GAMBARIAN, G. S. Diseases of grapes. (In Russian.) *Akad. Nauk Armjanskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:927-932. 1950. 20 Er4
- 64301 GLENDENNING, R. Mole control in British Columbia. *Canada. Sci. Serv. Div. Ent. Processed P.* 113,4 p. Jan. 1951. 423.92 C16P
- 64302 GOHEEN, A. C. Experiments with cranberry fruit rots. *Cranberry Growers Assoc. Proc.* 81:12-18. Jan. 27, 1951. 81 Am35M
- 64303 GOOSSEN, Spritzbrühbedarf bei der unkraut-, kartoffelkafer- und krautfäulebekämpfung. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:890-891. June 14, 1951. 18 L2349
- Control of weeds, *Leptinotarsa decemlineata*, and late blight of potatoes.
- 64304 HAARER, A. E. The root of it: some complexities of plant immunity. *Fruit-Grower* 2897:7-8. July 5, 1951. 80 F941
- 64305 HAMILTON, C. C. Toxicity of some of the newer insecticides to trees. *Arborist's News* 16:29-36. Apr. 1951. 99.8 Ar14
- 64306 HASKELL, R. J. Extension and research relationships in plant pathology. In U. S. Extension Serv. Extension and research relationships from different viewpoints, p.1-8. Washington, 1951. 1.913 P3Ex82
- 64307 HOPKINS, J. C. F. Diseases of fruit, flowers and vegetables in Southern Rhodesia. 5. Diseases of potatoes. *Rev. Rhodesia Agr. J.* 48:19-33. Jan./Feb. 1951. 24 R34
- 64308 HUGHES, C. G. Yellow spot disease. *Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B.* 14:103-105. Jan. 1, 1951. 65.9 Q3C
- 64309 HUTCHINSON, P. B., and DALE, W. T. A serious sugar-cane disease in British Guiana. *Nature [London]* 167:998. June 16, 1951. 472 N21
- 64310 JEFFERSON, P. Notes on some less common troubles of turf. *Bd. Greenkeeping Res. J.* 7:347-349. 1950. 60.19 B772
- 64311 JOHNSON, F. Suggestions concerning frost injuries to raspberry plants. *Wash. State Col. Ext. Mimeog.* 1037,1 p. 1951? 275.29 W27Mi
- 64312 KACHROO, P. On *Cuscuta reflexa* Roxb. in the Khasi Hills. *Sci. & Cult.* 16:431. Mar. 1951. 475 Sci24
- 64313 KECHEK, N. A., and STEPANIÁN, T. G. Brown spotting of seed alfalfa and working out measures to control it. (In Russian.) *Akad. Nauk Armjanskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:873-884. Ref. 1950. 20 Fr4
- 64314 KELLY, C. D., PADY, S. M., and POLUNN, N. Aerobiological sampling methods from aircraft. *Canad. J. Bot.* 29:206-214. Ref. June 1951. 470 C16C
- 64315 KIENZLE, R. A. Diseases of lettuce. *Atlantic Co. Vocat. B.* 25,1.e.30(6):2-3. Apr. 1951. 6 At62
- 64316 KLINGBEIL, G. C., and MITCHELL, A. E. Evaluation of concentrate spray coverage on large apple trees by means of leaf prints. *Mich. Agr. Expt. Sta. Q. B.* 33:302-309. Ref. May 1951. 100 M58S
- 64317 KOBEL, F. Vorsicht beim gebrauch von pflanzenschutzmitteln. *Schweiz. Z. f. Obst- u. Weinbau* 60:246-249. June 30, 1951. 80 Sch9
- 64318 KOTTE, Pflanzenschutzpädagogik. *Biol. Zent-anst. f. Land- u. Forstwirt. Mitt.* 70:16. Feb. 1951. 410.9 G31M
- 64319 KOTTE, W. Phototechnik im pflanzenschutz. *Biol. Zentanst. f. Land- u. Forstwirt. Mitt.* 70:27. Feb. 1951. 410.9 G31M
- 64320 KOTTE, W. Der wert der vorblütespritzung. *Gesunde Pflanzen* 3:41-45. Mar. 1951. 464.8 G33
- 64321 KRAEMER, G. D. Forstpathologische untersuchungen des jahres 1950. *Allg. Forstz.* 6:159-141. Mar. 28, 1951. 99.8 AL52
- 64322 LIMA, A. D. F. Slugs and snails. (In Portuguese.) *Seleç. Agr.* 6(81):59-60. May 1951. 9.2 Se4
- As damagers of crops
- 64323 LITTLEFIELD, E. W. Enemies in our midst. *N. Y. State Conserv.* 5(6):14-15. June/July 1951. 279.8 N48
- Tree diseases and insect pests.
- 64324 LUCKING, W. H. Did you have winter kill? *Green Thumb [Denver]* 8(7):6. July 1951. 80 G82
- 64325 MAAG, R. Ueber die entwicklung des pflanzen-schutzes. *Gartnermeister* 54:90. Mar. 22, 1951. 80 G1939
- 64326 MARSAIS, P. La défense sanitaire et la protection des vignobles: rapport général. *Off. Internatl. du Vin. B.* 24(243):64-86. May 1951. 390.8 B87
- 64327 MOISEEV, A. E. Measures for controlling the field mouse. (In Russian.) *Sovet. Agron.* 9(3):92-94. Mar. 1951. 20 So84
- 64328 MONOT, G. Le rôle de la Fédération Nationale des Producteurs de Plantes de Pommes de Terre dans la lutte contre les ennemis de la pomme de terre. *Agriculture [Paris]* 15:123-127. May 1951. 14 Ag823
- Disease and insect control.
- 64329 MORGAN, O. D. Tobacco disease control chart for Maryland. *Md. Agr. Col. Ext. Misc. Ext. P.* 4, poster. May 1951. 275.29 M36Mis
- 64330 NANCE, N. W., comp. Some new and important plant disease occurrences and developments in the United States in 1950. *Plant Dis. Rptr. Sup.* 202:70-91. May 15, 1951. 1.9 P69P
- 64331 NAUNDORF, G., and SERRANO, C. Contribución al tratamiento de semillas de maíz para aumentar y asegurar la cosecha. *Acta Agron.* 1:87-92. Ref. Apr. 1951. 9.4 Ac8
- 64332 NOURY, E. Liste des cécidies récoltées lors de l'excursion du 28 mai aux environs de Rouen. *Soc. Bot. de France. B.* 97:232-233. 1950. 451 F84B
- 64333 OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Winter injury of some woody ornamental plants, winter 1950-51. *Ohio. Agr. Col. Ext. Nursery Notes* 20(6),9 p. June 1951. 275.29 Oh32N
- 64334 OLNEY, A. J. 'Winter-killing of trees and fruits, 1950-51. *Ky. Agr. Expt. Sta. Ky. Fruit Notes* 4 (4):1-2. Spring 1951. 100 K41K
- 64335 ORSAT, C. O. Traitements d'hiver dans les vignobles. *Rev. Agr. de l'Afrique du Nord* 49:81-84. (Concl.) Feb. 2, 1951. 80 R326
- 64336 OUBOTER, M. P. DE B., BEIJER, J. J., and SLOGTEREN, E. VAN. Diagnosis of plant diseases by electron-microscopy. *Antonie van Leeuwenhoek J. Microbiol. & Serol.* 17:189-208. 1951. 448.8 N28A
- 64337 PERRET, J. Les maladies et les parasites des plantes. *Terre Marocaine* 25:189-191. June 1951. 24 T44
- 64338 PEYER, E. Frostscha den an reben im flaach-tal. *Schweiz. Z. f. Obst- u. Weinbau* 60:217. June 2, 1951. 80 Sch9
- 64339 RADEMACHER, B. Über das bild der spätfrostschäden an ährengetreide und mais. *Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz* 57:401-408. Nov./Dec. 1950. 464.8 Z3
- 64340 RATCLIFFE, F. N. Area control of rabbits; suggestions for a practical policy. *Past. Rev.* 61:379, 381. Apr. 16, 1951. 23 Au75
- In Australia.
- 64341 REBOUR, H. Parasitisme sur agrumes en 1951. *Fruits et Primeurs de l'Afrique du Nord* 21:168. May 1951. 80 F9482
- 64342 RICHTER, H. Der pflanzenschutz auf der Grünen Woche in Berlin. *Gesunde Pflanzen* 3:82-83. Apr. 1951. 464.8 G33
- 64343 RUIZ CASTRO. Rapports nationaux; Espagne. *Off. Internatl. du Vin. B.* 24(243):119-134. May 1951. 390.8 B87
- Grape disease control.
- 64344 SALMON, S. C. Forecasting the occurrence of diseases and insects in Japan. *Plant Dis. Rptr.* 35:251-254. June 15, 1951. 1.9 P69P
- 64345 SARKSIAN, N. S. The productivity of tomato plant with various sprayings. (In Russian.) *Akad. Nauk Armjanskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:843-845. 1950. 20 Er4
- 64346 SAWADA, G. Cold damage to Camellias. *Camellian* 2:20-21. Mar. 1951. 97.31 C14
- 64347 SINGH, B., and GUPTA, V. C. Diseases of spinach. *Cur. Sci.* 20:104-105. Apr. 1951. 475 Sci23
- India.
- 64348 SMITH, R. E. Concentrate sprays. *Wash. State Hort. Assoc. Proc.* 46:111-112. 1950. 81 W273
- 64349 STELLWAAG. Rapports nationaux; Allemagne. *Off. Internatl. du Vin. B.* 24(243):105-114. May 1951. 390.8 B87
- Grape disease control.
- 64350 STEVENS, H. N. Spraying and dusting. *Amer. Rose Mag.* 9(6):4-7. May/June 1951. 80 Am327A
- 64351 TAYLOR, N. Accomplishments and objectives of the Columbia View experimental plots. *Wash. State Hort. Assoc. Proc.* 46:81-84. 1950. 81 W273
- Includes fruit diseases.
- 64352 THOMSON, R. Forum on the protection of orchards. *Quebec. Pomol. & Fruit Growing Soc. Annu. Rpt.* 56:80-95. 1949. 82 Q3
- Diseases and pests, with a summary by Georges Gauthier.

- 64353 TRAPPMANN, W. Wert der pflanzenschutzmittel-normen. Nachrbl. des Deut. Pflanzenschutzdienstes 2:145-146. Oct.1950. 442.9 B832
- 64354 TULLIS, E. C. Diseases of rice. U. S. D. A. Farmers' B. 1854, slightly rev., 16 p. May 1951. 1 Ag84F
- 64355 ULLRICH, J. Ein bemerkenswertes auftreten von *Cuscuta australis* R. Br. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 58:100-101. Mar./Apr.1951. 464.8 Z3
- 64356 VAN AMBURG, W. A comparison of spray costs using various materials and methods of application. Wash. State Hort. Assoc. Proc. 46:114-117. 1950. 81 W273
- 64357 VOIGT, G. K. Causes of injury to conifers during the winter of 1947-1948 in Wisconsin. Wis. Acad. Sci. Arts & Let. Trans. 40(2):241-243. 1951. 500 W75
- 64358 WEAVER, L. O., COX, C. E., and BISSELL, T. L. Field control of tomato diseases and insects. Md. Agr. Col. Ext. Fact Sheet 27, 2 p. Apr.1951. 275.29 M36FA
- 64359 WILLAUME, F. Ce qu'il faut savoir de l'organisation de la défense des végétaux en France. Phytoma 4(23):7-16. Feb.1951. 454.8 P563
- 64360 WILSON, J. D., and SLEESMAN, J. P. Disease and insect control on potatoes in Ohio in 1950. Amer. Potato J. 28:632-638. June 1951. 75.8 P842
- 64361 ZEUMER, H., and FISCHER, W. Normen für pflanzenschutzmittel. Nachrbl. des Deut. Pflanzenschutzdienstes 2:113-117. (Cont.) Aug.1950. 442.9 B832
- 64362 ZILLIG, Pflanzenschutzpädagogik. Biol. Zent-anst. f. Land- u. Forstwirt. Mitt. 70:14-16. Feb.1951. 410.9 G31M
- 64363 ZYCHA, Akute probleme der forstpathologie. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70:43-45. Feb.1951. 410.9 G31M
- Diseases Caused by Fungi**
- 64364 AHMED, Q. A. A Choanephora disease of *Dolichos lablab*. L. (Abs.) Indian Sci. Cong. Proc. 36(3): 122. 1949. 513 In22
- 64365 ANDRADE, A. C. New fungicides to control the diseases of potato and tomato. (In Portuguese.) Biologico 17:75-76. Apr.1951. 442.8 B529
- 64366 ANDREWS, E. A., and others. Control of Dutch elm disease. Mich. State Col. Agr. Ext. B. 308, 16 p. May 1951. 275.29 M58B
- F. C. Strong, R. L. Janes, and W. F. Morofsky, joint authors.
- Caused by *Ceratostomella ulmi*.
- 64367 ANDREWS, E. A., and TURNER, M. E. Control stem rust by barberry eradication. Mich. State Col. Agr. Ext. Folder F-158, 6 p. Apr.1951. 275.29 M58Ex
- 64368 BALDACCI, E., and FORLANI, R. The resistance of species and hybrids of *Triticum* to infection by *Claviceps purpurea*. (In Italian.) Genet. Agr. 2:247-257. Dec.10,1950. 450 G28
- English summary.
- 64369 BATISTA, A. C. Two new species of *Phyllosticta*, of the *carnauba* [*Copernicia cerifera*] and the *imbe* [*Philodendron imbe*]. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 16:109-110. July/Dec.1949, pub.1950. 9.2 P423
- 64370 BENETSKAIA, G. K., and TONIAN, TS. R. Irregularity of smut grains on corn with various methods of spraying. (In Russian.) Akad. Nauk Armianskoj SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:813-819. 1950. 20 Er4
- 64371 BINGEFORS, S. Weather and pasture parasites. (In Swedish.) Lantmannen 35:495-496. June 23,1951. 11 L234
- Sclerotinia trifoliorum* and *Ditylenchus dipsaci*.
- 64372 BIRAGHI, A. *Endothia parasitica* and the gen. *Quercus*. (In Italian.) Italia Forest. e Mont. 6:15-16. Jan./Feb.1951. 99.8 It12
- English summary.
- 64373 BLACK, W. War on the potato blight. Allahabad Farmer 25:70-72. Mar.1951. 22 AL5
- 64374 BLUMER, S. Das epidemische auftreten eines *Oidium* auf *Syringa vulgaris* L. Phytopath. Z. 17:478-488. Ref. Apr.1951. 464.8 P562
- 64375 BOMEKE, H. Brennflecken auf apfelblättern. Obstbauversring. Mitt. 1950:123-124. Nov.1/15,1950. 85 J76
- 64376 BOOTHROYD, C. W. A new leaf spot [*Marssonina*] of *Celastrus scandens* L., the climbing bitter-sweet. Mycologia 43:373-375. May/June 1951. 450 M99
- 64377 BRAUN, H. Über den augenblicklichen stand des *Alternaria*-problems. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70:47-50. Feb.1951. 410.9 G31M
- On potatoes.
- 64378 BROADFOOT, W. C. Loose smuts of barley. Wk. Mkt. News 29(25):11. June 21,1951. 286.81 G762A
- 64379 BUGNICOURT, F. Les espèces du genre *Curvularia* isolées des semences de riz. Rev. Gen. de Bot. 57:65-77. 1950. 450 R326
- 64380 BUGNICOURT, F. Sur une méthode de contaminations artificielles; son application pour la recherche d'arbres résistants à certaines maladies cryptogamiques. Rev. Gen. de Bot. 57:157-167. 1950. 450 R326
- 64381 CARRANZA, J. M. Antracnosis del aguairibay [*Schinus molle*] causada por "*Myxosporella schini*" sp. nov., en la Argentina. La Plata. U. Nac. Facul. de Agron. Rev. 27:275-280. July 1950. 9 R32
- English summary.
- 64382 CHOW, N. P., and WANG, S. C. Effects of treatment of seed cane with the mixed aqueous suspension of lime and granosan of different proportions. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 6:42-62. Dec.1950. 65.9 F76R
- English summary.
- 64383 CHU, H. T. Re-examination on the seed cane treatment with granosan solution. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 6:63-71. Dec.1950. 65.9 F76R
- English summary.
- 64384 CINQ-MARS, L. Results of fungicide experiments at Rougemont, P. Q. 1949. Quebec. Pomol. & Fruit Growing Soc. Annu. Rpt. 56:75-79. 1949. 82 Q3
- 64385 COHEN, S. I. Effectiveness of three phenyl mercury formulations for the control of apple scab. (Abs.) Phytopathology 41:657. July 1951. 464.8 P56
- 64386 CRANDALL, B. S., and PATIÑO M., B. El mal de almácigos. Café de El Salvador 21:187-189. Mar. 1951. 68.28 C112
- 64387 CROWDY, S. H., and WAIN, R. L. Studies on systemic fungicides. I. Fungicidal properties of the aryloxyalkylcarboxylic acids. Ann. Appl. Biol. 38:318-333. Ref. June 1951. 442.8 An72
- 64388 DADANT, M. R. Sur une nouvelle maladie [*Thielaviopsis neocaledoniae*] du *Coffea robusta* en Nouvelle-Calédonie. Rev. Gen. de Bot. 57:168-176. 1950. 450 R326
- 64389 DANTAS, B. Epidemic and control of "witches broom" and "grey rot" of cacao plants—theoretical bases and economic results. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 16:239-253. July/Dec. 1949, pub.1950. 9.2 P423
- Marasmius perniciosus* and *Phytophthora palmivora*.
- 64390 DARLEY, E. F., and FLORES, M. A. Two cankers of *Cinchona* in Guatemala caused by *Phytophthora cinnamomi* and *P. parasitica*. Phytopathology 41:641-647. Ref. July 1951. 464.8 P56
- 64391 DAUDIN, J., and LAURIOL, F. Essais de traitement des régimes de bananes contre la pourriture de la hampe. Fruits 6:184-188. May 1951. 80 F9492
- 64392 DAVIS, S. H., ENGEL, R. E., and SILBER, G. Control of brown patch [*Rhizoctonia solani*] of turf [*Agrostis palustris*] in New Jersey. (Abs.) Phytopathology 41: 657. July 1951. 464.8 P56
- 64393 DEEMS, R. E. *Trichothecium* fruit rot of glasshouse tomatoes. Phytopathology 41:633-640. Ref. July 1951. 464.8 P56
- 64394 DICKSON, J. G. Barley seed treatment. Barley Impr. Conf. Rpt. 7:4-6. Jan.23,1951. 59.9 M583
- 64395 EVANS, S. Sore-shin of cotton. Crop comments 4(6):4. Apr.1951. 57.8 C88
- 64396 FABRICATORE, J. A. Alterations in the leaves of *Trachelospermum* (*Rhynchospermum*) *jasminoides* Lem. (In Italian.) Ann. della Sper. Agr. (n.s.)5:537-540. 1951. 16 An76
- English summary.
- Caused by a fungus belonging to *Deuteromycetae*.
- 64397 GAGNOTTO, A. V. The grapevine as a new host of *Sclerotium bataticolum* Taub. (In Italian.) Ann. della Sper. Agr. (n.s.)5:541-542. 1951. 16 An76
- English summary.
- 64398 GAGNOTTO, A. V. Observations on a canker [*Cylindrocarpum mali*] of pear branches. (In Italian.) Ann. della Sper. Agr. (n.s.)5:489-497. Ref. 1951. 16 An76
- English summary.
- 64399 GERDEMANN, J. W. Effect of seed treatment on forage legumes in wet and dry soil. Phytopathology 41:610-614. July 1951. 464.8 P56
- 64400 GODANICH, G. What is a fungus disease? (In Italian.) Gior. di Agr. 61:182. June 10,1951. 16 It1G
- 64401 GOLDIE-SMITH, E. K. A new species of *Sorodiscus* [*S. cokeri*] on *Pythium*. Elisha Mitchell Sci. Soc. J. 67:108-121. Ref. June 1951. 500 EL4

- 64402 GOOD, H. M., and NELSON, C. D. A histological study of sugar maple decayed by *Polyporus glomeratus* Peck. *Canad. J. Bot.* 29:215-223. Ref. June 1951. 470 C16C
- 64403 GRECHUSHNIKOV, A. I., and IAKOVLEVA, N. N. Carbohydrate metabolism in potato wart disease growth. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:303-304. Jan. 11, 1951. 511 P444A
Caused by *Synchytrium endobioticum*.
- 64404 HAMILTON, J. R., and JACKSON, L. W. R. Treatment of shortleaf pine and loblolly pine seed with fungicidal dusts. *Plant Dis. Rptr.* 35:274-276. June 15, 1951. 1.9 P69P
- 64405 HARTMAN, R. E. Potato wart [*Synchytrium endobioticum*] in America. *Plant Dis. Rptr.* 35:268-271. June 15, 1951. 1.9 P69P
- 64406 HASSEBRAUK, K. Untersuchungen über die einwirkung von sulfonamiden und sulfonen auf getreideroste. I. *Phytopath. Z.* 17:384-400. Ref. Apr. 1951. 464.8 P562
- 64407 HICKMAN, C. J., and ENGLISH, M. P. Factors influencing the development of red core [*Phytophthora fragariae*] in strawberries. *Brit. Mycol. Soc. Trans.* 34:223-236. June 1951. 451 B76
- 64408 HIGDON, R. J. The control of pecan scab [*Cladosporium effusum*] by fungicides. *Plant Dis. Rptr.* 35:272-273. June 15, 1951. 1.9 P69P
- 64409 HINSELMANN, M. Die beobachtung des sporenfluges als grundlage einer erfolgreichen fusicladiumbekämpfung im jahre 1950. *Obstbauversring. Mitt.* 6:43-45. Mar. 1951. 85 J76
- 64410 HOADLEY, A. D. A method of making artificial field inoculations on the leaves and fruit of tomatoes. (Abs.) *Phytopathology* 41:658. July 1951. 464.8 P56
Inoculations with *Stemphylium solani* and *Colletotrichum phomoides*.
- 64411 HOCHAPFEL, H. Ein stärkeres auftreten des falschen rübenmehltaus bei zuckerrüben im zusammenhang mit dem samenrübenanbau in Nordbaden. *Nachrbl. des Deut. Pflanzenschutzdienstes* 2:124-125. Aug. 1950. 442.9 B832
- 64412 HORSFALL, J. G. Relative specificity of *Sclerotinia* and *Stemphylium* to toxicants. (Abs.) *Phytopathology* 41:658. July 1951. 464.8 P56
- 64413 HUGHES, S. J. Studies on micro-fungi. IV. Two fungi of *Betula* periderm. *Commonwealth Mycol. Inst. Mycol. Papers* 37, 17 p. Ref. June 20, 1951. 451 Im73M
Melanomma subdispersum and *Helminthosporium longipilum*.
- 64414 HYDE, M. B., and GALLEYMORE, H. B. The subepidermal fungi of cereal grains. II. The nature, identity and origin of the mycelium in wheat. *Ann. Appl. Biol.* 38:348-356. Ref. June 1951. 442.8 An72
- 64415 JEHLE, R. A., and JENKINS, A. E. First observations in 1951 of spot anthracnose on flowering dogwood in Maryland. *Plant Dis. Rptr.* 35:277. June 15, 1951. 1.9 P69P
- 64416 JOHANNES, H. Ein pappelsterben [*Septogloeum populiperdum*] in Niedersachsen. *Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt.* 70:45-46. Feb. 1951. 410.9 G31M
- 64417 JOHANNES, H. *Septogloeum populiperdum* sp. n. als erregere eines pappelsterbens. *Phytopath. Z.* 17:406-410. Apr. 1951. 464.8 P562
- 64418 JOHNSON, H. W. Treatment of soybean seed recommended. *Miss. Farm Res. [Miss. Sta.]* 14(5):1-2. May 1951. 100 M69M1
- 64419 KELLNER, F. Fichten-rotfäule. *Allg. Forstz.* 6:141-142. Mar. 28, 1951. 99.8 AL52
- 64420 KEYWORTH, W. G. The progressive wilt of hops order. *Ann. Appl. Biol.* 38:537-538. June 1951. 442.8 An72
Caused by *Verticillium albo-atrum* in Great Britain.
- 64421 KIENHOLZ, J. R., and CHILDS, L. Pear scab and its control in Oregon. *Oreg. Agr. Expt. Sta. C. Inform.* 495, 9 p. May 1951. 100 Or3C
- 64422 KING, C. Wheat breeders alarmed about new rust disease. *Kans. Farmer* 88(12):8. June 16, 1951. 6 K13
- 64423 KONEV, G. I. *Lophodermium pinastri* Chev. on cedar [*Cedrus*] needles in Transbaikalia. (In Russian.) *Bot. Zhur.* 35:664-666. Nov./Dec. 1950. 451 R923
- 64424 KÖNIG, E. Der wurzelschwamm [*Polyporus annosus*] hauptsächlicher erregere der fichten-rotfäule. *Norddeut. Holzwirt.* 5(11):6-7. Mar. 15, 1951. 99.82 N75
- 64425 KOSSWIG, W. Untersuchungen über die durch *Fusarium spec.* an gurke (*Cucumis sativus* L.) hervorgerufene welke. *Phytopath. Z.* 17:410-420. Ref. Apr. 1951. 464.8 P562
- 64426 KOTTE, W. Zwei merkwürdige schmarotzer. *Gesunde Pflanzen* 3:78-79. Apr. 1951. 464.8 G33
Micromyces zygoni and *Dariuca filum*.
- 64427 KUMER. Beizt das saatgut! *Obst u. Gart.* 6:44-45. Mar. 1951. 80 Ob75
- 64428 LASSER, E. Die züchtung schwarzrostresistenter weizensorten für den alpenraum. *Bodenkultur* 5:67-75. 1951. 19 B635
- 64429 LIMBER, D. P. New records of *Coniothyrium hellebori* in the United States. *Plant Dis. Rptr.* 35:277. June 15, 1951. 1.9 P69P
- 64430 LOEWEL, E. L. Der augenblickliche stand der mittelfrage in der fusicladiumbekämpfung. *Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt.* 70:40-42. Feb. 1951. 410.9 G31M
- 64431 MAHMUD, K. A. Damping-off of cotton seedlings caused by *Pythium* de *Baryanum* Hesse. *Sci. & Cult.* 16:423-424. Mar. 1951. 475 Sci24
- 64432 MAKI, T. E., and HENRY, B. W. Root-rot control and soil improvement at the Ashe Forest Nursery. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 119, 23 p. May 1951. 1.9 F7624O
Root-rot of *Pinus*.
- 64433 MARSDEN, D. H. Studies of *Hormodendrum resinae* Lindau, a common inhabitant of creosoted and coal-tar-treated wood. (Abs.) *Phytopathology* 41:658-659. July 1951. 464.8 P56
- 64434 MARSH, R. W. Some recent developments in the field of agricultural fungicides. *J. Sci. Food. & Agr.* 2:241-244. June 1951. 382 Sol2
- 64435 MARSHALL, R. P. The truth about oak wilt disease. *Flower Grower* 38(7):31, 60. July 1951. 80 M72
- 64436 MAZZEI PATRONE, I. Caldo bordeles. *Rev. Agr. y Ganad.* 13(135):9-10. Apr. 1951. 9.4 R327
- 64437 MAZZEI PATRONE, I. *Peronospora de la vid.* *Rev. Agr. y Ganad.* 13(135):8-9. Apr. 1951. 9.4 R327
- 64438 MEYER, H. Die verbreitung der Douglasienadelschützen. *Forstarchiv* 22:5-11. Feb. 1951. 99.8 F7723
- 64439 MOREAU, F., and MOREAU, MME. F. Sur un champignon parasite de lichens, le *Conida pelvetii* (Hepp.) Arnold. *Soc. Bot. de France. B.* 97:210-211. 1950. 451 F84B
- 64440 MOREAU, M., and MOREAU, C. Une grave affection nouvelle de la forêt française: la maladie de l'encore du chêne [*Phytophthora cinnamomi*]. *Acad. des Sci. Compt. Rend.* 232:2252-2253. June 11, 1951. 505 P21
- 64441 MORGAN, O. D. Black shank is threatening Maryland tobacco. *Md. Agr. Col. Ext. Fact Sheet* 11, 2 p. Mar. 1951. 275.29 M36FA
- 64442 MORGAN, O. D., and WEAVER, L. O. Black shank of tobacco. *Md. Agr. Col. Ext. Misc. Ext. P.* 3, 3 p. Apr. 1951. 275.29 M36M36Mis
- 64443 MUNCIE, J. H., and HATFIELD, M. R. Field experiments on the control of potato late blight. *Mich. Agr. Expt. Sta. Q. B.* 33:332-336. May 1951. 100 M58S
- 64444 MURPHY, D. R. Effects of several fungicides on disease control and finish of apples. *N. H. Hort. Soc. J.* 14:21-24. 1951. 81 N452J
- 64445 NEWHOOK, F. J. Microbiological control of *Botrytis cinerea* Pers. I-II. *Ann. Appl. Biol.* 38:169-202. Ref. Mar. 1951. 442.8 An72
I. The role of pH changes and bacterial antagonism, p. 169-184; II. Antagonism by fungi and *Actinomyces*, p. 185-202.
Pathogenic to lettuce.
- 64446 NICHOLLS, V. O. Wilt disease [*Fusarium lateritium*] of *Dimorphotheca barberiae*. *Brit. Mycol. Soc. Trans.* 34:220-222. June 1951. 451 B76
- 64447 NIKAM, B. G., and PAWAR, F. K. Powdery mildew on *Convolvulus arvensis* L. caused by *Oidium* species. *Poona Agr. Col. Mag.* 41:287-290. Feb. 1951. 22 P79
- 64448 NOLL, A. Über mikroskopische anfangssymptome der resistenz und anfälligkeit von weizensorten gegen *Puccinia glumarum*. *Phytopath. Z.* 17:400-405. Ref. Apr. 1951. 464.8 P562
- 64449 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Potato blight. *North. Ireland. Min. Agr. L.* 50, 8 p. Mar. 1951. 10 N81
- 64450 NUSBAUM, C. J. The occurrence of tobacco anthracnose [*Colletotrichum* sp.] in North Carolina. *Plant Dis. Rptr.* 35:276. June 15, 1951. 1.9 P69P
- 64451 ORDISH, F. G. A hundred years of lime-sulphur [fungicide]. *Gt. Brit. Min. Agr. Agriculture* 58:111-115. Ref. June 1951. 10 G79J
- 64452 PALMITER, D. H., and SMOCK, R. M. Preliminary report on fungicides in relation to apple yield and quality. (Abs.) *Phytopathology* 41:659. July 1951. 464.8 P56

- 64453 PAYAK, M. M. A Synchytrium disease of udd beans. *Cur. Sci.* 20:103-104. Apr. 1951. 475 Sci23
S. ajrekari, n. sp. on Phaseolus mungo.
- 64454 PETTINARI, C. An apple spotting [Pleospora alternariae]. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5: 559-569. Ref. 1951. 16 An76
English summary.
- 64455 PETTINARI, C. Stemphylium botryosum Wallr. on lettuce leaves. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:607-616. Ref. 1951. 16 An76
- 64456 PICHLER, F. Über die anfälligkeit der österreichischer weizensorten für weizensteinbrand (Tilletia tritici). *Bodenkultur* 5:61-66. 1951. 19 B635
- 64457 POMERLEAU, R. Rapport general des travaux effectués sur la maladie hollandaise de l'orme dans la Province de Quebec en 1949. Quebec, Serv. Forest., Min. des Terres et Forets, 1950? 29 p. 464.07 Q3R
- 64458 POUND, G. S. Will there be a recurrence this year of late blight on tomatoes. Can blight on potatoes affect tomatoes? *Wis. Hort.* 41:243. June 1951. 80 W752
- 64459 RADEMACHER, B. Untersuchungen über die fungistatische und fungizide wirkung des cyanamids am beispiel des weizenstein-brandes (Tilletia tritici [Bjerk.] Winter). *Phytopath. Z.* 17:353-373. Ref. Apr. 1951. 464.8 P562
- 64460 RADEMACHER, B. Was wissen wir von der blattfleckenkrankheit der rübe (Cercospora beticola Sacc.) *Neue Mitt. f. die Landwirt.* 6:395-396. (To be cont.) June 16, 1951. 18 N39
- 64461 RAHEJA, P. C., and DAS, G. P. Analysis of agricultural yields. II. Effect of cultural treatments on the incidence of gram wilt (F. ortho-ceras var. cicert.). (Abs.) *Indian Sci. Cong. Proc.* 36(3):195. 1949. 513 In22
- 64462 RAMIAH, K., and PADMANABHAN, S. Y. Seed treatment of rice. (Abs.) *Indian Sci. Cong. Proc.* 36(3): 192. 1949. 513 In22
- 64463 REX, E. G. Oak wilt [Chalara quercina]. (Abs.) *Phytopathology* 41:659. July 1951. 464.8 P56
- 64464 RIABCHENKO, I. M. Study of molds in Abrau-Dürso vineyards. (In Russian.) *Vinodel. i Vinograd. SSSR.* 11(1):16-18. Jan. 1951. 95.8 V77
- 64465 RICHTER, H., and SCHNEIDER, R. Rhizoctonia schäden an stolonen, wurzeln und knollenanlagen der kartoffel. *Phytopath. Z.* 17:374-383. Apr. 1951. 464.8 P562
- 64466 SADASIVAN, T. S. Role of trace-elements in control of root-infecting fungi. *Indian Acad. Sci. Proc. Sect. B* 33:135-149. Ref. Mar. 1951. 513 In25B
- 64467 SARAVI CISNEROS, R. El marchitamiento de los pinos provocado por "Diplodia pinea" Kickx en provincia de Buenos Aires (Argentina). *La Plata. U. Nac. Facul. de Agron. Rev.* 27:163-179. Ref. July 1950. 9 R32
English summary.
- 64468 SAVOIA, H. J., and ABALO, R. A. Comportamiento de variedades comerciales, híbridos y material de crianza, a la "podredumbre del pie" del maíz [Sclerotium bataticola]. *Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz* 5:29-33. 1950. 59.9 P41
- 64469 SAVOIA, H. J., GODOY, E. F., and BRUNI, O. "Podredumbre del pie" del maíz [Sclerotium bataticola]. *Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz* 5:21-27. 1950. 59.9 P41
- 64470 SCHROEDER, W. T., and TAPLEY, W. T. A three-year response of six varieties of tomato to a fungicide spray program. (Abs.) *Phytopathology* 41:660. July 1951. 464.8 P56
- 64471 SCHOLES, C. L., and HAWORTH, F. Control of blister blight in tea. *Planters' Chron.* 46:148-153. Mar. 15, 1951. 22 P693
- 64472 SEN, A. B., and JOSHI, K. C. Organic fungicides I: Synthesis of dibromacetamides. (Abs.) *Indian Sci. Cong. Proc.* 36(3):73-74. 1949. 513 In22
- 64473 SERBINOV, P. P. On mildew control [in vineyards] in Moldavia. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(11):54. Nov. 1950. 95.8 V77
- 64474 SINDEN, J. W., and HAUSER, E. Report on two new mushroom diseases. *Mushroom Sci.* 1:96-100. 1950. 80 M972
- La France disease of undetermined origin and Vern Astley disease caused by Spicaria sp.
- 64475 SMITH, M. A. Anthracnose on Michigan peach-es. *Plant Dis. Rptr.* 35:276. June 15, 1951. 1.9 P69P
- 64476 SMITH, M. A., and RAMSEY, G. B. Brown-spot disease [Cephalosporium api] of celery. *Bot. Gaz.* 112:393-400. Ref. June 1951. 450 B652
- 64477 SPRAGUE, R. Powdery mildew spray trials at the tree fruit station in 1950. *Wash. State Hort. Assoc. Proc.* 46:162-166. 1950. 81 W273
On apples.
- 64478 STEENLAND, A. P. Witches-broom of cherry. *West. Fruit Grower* 5(4):36-37. Apr. 1951. 95.8 G762
- 64479 STERLING, J. D. E. The inheritance of flesh colour and clubroot [Plasmodiophora brassicae] reaction in swedes. *Sci. Agr.* 31:253-268. June 1951. 7 Sci2
- 64480 STOLZE, K. V., and HOLZ, W. Getreidebeizung ohne geräte. *Gesunde Pflanzen* 3:80-81. Apr. 1951. 464.8 G33
- 64481 STOVER, R. H., and KOCH, L. W. The epidemiology of blue mold [Peronospora tabacina] of tobacco and its relation to the incidence of the disease in Ontario. *Sci. Agr.* 31:225-252. Ref. June 1951. 7 Sci2
- 64482 STRONG, M. C. Preliminary tests of fungicide combinations in tomato sprays and dusts. *Mich. Agr. Expt. Sta. Q. B.* 33:320-325. May 1951. 100 M58S
- 64483 SWARTWOUT, H. G. Summary of strawberry leaf spot control studies. *Mo. State Hort. Soc. Hort. News* 1951:5-6. Mar. 1951. 81 M692H
- 64484 TAPKE, V. F. Influence of preinoculation environment on the infection of barley and wheat by powdery mildew [Erysiphe graminis]. *Phytopathology* 41:622-632. Ref. July 1951. 464.8 P56
- 64485 THURSTON, H. W., JR. Organic fungicides on apples in 1950. (Abs.) *Phytopathology* 41:660. July 1951. 464.8 P56
- 64486 TOMPKINS, C. M., and TUCKER, C. M. Stem and root rot of Daphne odora caused by Phytophthora parasitica. *Phytopathology* 41:654-655. July 1951. 464.8 P56
- 64487 VAHEEDUDDIN, S. Spray programme for controlling anthracnose and mildews of grape vine in Hyderabad State. (Abs.) *Indian Sci. Cong. Proc.* 36(3):195. 1949. 513 In22
- 64488 VIDALI, A., and CIFERRI, R. Studies in the control of tobacco mildew (Erysiphe cichoracearum) by means of thiosulfate and lithium salts. (In Italian.) *Tobacco* 55:95-102. Ref. Mar. 1951. 69.8 T115
- 64489 VIENNOT-BOURGIN, G. Étude critique de quelques Uromyces parasites des légumineuses. *Rev. de Path. Vég. et d'Ent. Agr. de France* 29:158-164. Oct. 1950. 464.8 S61
- 64490 VIGUERIE, P. DE. La lutte contre la tavelure. *Tarn-et-Garonne Agr.* 14:88-89. May 1951. 14 T17
On fruit.
- 64491 WANG, C. K. Preliminary studies on the brown stripe disease of sugar cane caused by Cochliobolus stenopilus (Drechs.) Mat. et Yam. in Taiwan. (In Chinese.) *Taiwan. Sugar Expt. Sta. Rpt.* 6:110-130. Ref. Dec. 1950. 65.9 F76R
English summary.
- 64492 WANG, S. C., and TSAI, T. K. Studies on red rot of sugarcane in Taiwan. I. (In Chinese.) *Taiwan. Sugar Expt. Sta. Rpt.* 6:99-109. Ref. Dec. 1950. 65.9 F76R
English summary.
- Physalospora tucumanensis.
- 64493 WEBER, G. F., and ROBERTS, D. A. Silky threadblight of Elaeagnus pungens caused by Rhizoctonia ramicola n. sp. *Phytopathology* 41:615-621. July 1951. 464.8 P56
- 64494 WEBSTER, J., and JARVIS, W. R. The occurrence of Botrytis globosa on Allium ursinum. *Brit. Mycol. Soc. Trans.* 34:187-189. June 1951. 451 B76
- 64495 WELSH, J. N., and JOHNSON, T. The source of resistance and the inheritance of reaction to 12 physiologic races of stem rust, Puccinia graminis avenae (Erikss. and Henn.). *Canad. J. Bot.* 29:189-205. June 1951. 470 C16C
Oats.
- 64496 WENZL, H. Untersuchungen über die Colletotrichum-welkekrankheit der kartoffel II. Die hydratur welkekranker knollen. *Pflanzenschutzberichte* 6:33-57. Ref. Feb. 1951. 464.9 P48
English summary.
- 64497 WESTBERG, D. L. Cultivating slash pine increases rust infection. *Forest Farmer* 10(6):11, 14. Mar. 1951. 99.8 F7692
Cronartium fusiforme on Pinus caribaea.
- 64498 WHITE, L. T. Studies of Canadian Thelephoraceae VIII. Corticium galactinum (Fr.) Burt. *Canad. J. Bot.* 29:279-296. Ref. June 1951. 470 C16C
- 64499 WILLIAMS, A. R. Control of blister blight. *Planters' Chron.* 46:176-179. Apr. 1, 1951. 22 P693
Blister blight in tea.
- 64500 WILSON, J. D. Tomato late blight control in 1950. *Ohio. Agr. Expt. Sta. Res. C.* 11, 20 p. Ref. June 1951. 100 Oh3R

64501 WISMER, C. A. Controlling pineapple disease [Ceratostomella paradoxa] of sugar cane. Hawaii. Planters' Rec. 54:23-53. Ref. 1951. 25 H311

64502 WOOD, R. K. S. The control of diseases of lettuce by the use of antagonistic organisms. I-II. Ann. Appl. Biol. 38:203-230. Ref. Mar.1951. 442.8 An72
I, The control of Botrytis cinerea Pers., p. 203-216;
II, The control of Rhizoctonia solani Kühn, p. 217-230.

64503 YOUNG, H. E. An alternate host of Hevea mildew [Oidium heveae]. Rubber Res. Scheme Ceylon. Q. C. 26:13-15. Dec.1950. 78.9 C33Q

64504 YOUNG, H. E. Natural resistance to leaf mildew [Oidium heveae] of Hevea brasiliensis by clone LCB. 870. Rubber Res. Scheme Ceylon. Q. C. 26:6-12. Dec. 1950. 78.9 C33Q

64505 YOUNG, H. E. Oidium leaf disease [Oidium heveae]. Rubber Res. Scheme Ceylon. Q. C. 26:16-22. Dec.1950. 78.9 C33Q

64506 ZENTMYER, G. A. Avocado root rot [Phytophthora cinnamomi]. Calif. Avocado Soc. Ybk. 35:63-67. 1950. 81 C128

64507 ZENTMYER, G. A., and RICHARDS, S. J. Avocado root rot [Phytophthora cinnamomi] reproduced in the field. Calif. Avocado Soc. Ybk. 35:68-69. 1950. 81 C128

Diseases Caused by Bacteria

64508 KATZNELSON, H., and SUTTON, M. D. Inhibition of plant pathogenic bacteria in vitro by antibiotics and quaternary ammonium compounds. Canad. J. Bot. 29: 270-278. Ref. June 1951. 470 C16C

64509 KOTTE, W. Über das vorkommen der durch Pseudomonas juglandis Pierce verursachten walnusskrankheit in Deutschland. Phytopath. Z. 17:347-352. Apr.1951. 464.8 P562

64510 MACLACHLAN, D. S., and THATCHER, F. S. Studies in the nutrition of Corynebacterium sepeponicum (Spiek. and Kott.) Skapt. and Burkh. Canad. J. Bot. 29: 246-259. Ref. June 1951. 470 C16C

64511 MAUZÉ, J., and MERNY, G. Une nouvelle maladie du bananier en Guadeloupe, la "Javanese disease." Rev. de Path. Vég. et d'Ent. Agr. de France 29:165-167. Oct.1950. 464.9 Sol

64512 NEMLIENKO, F. E. The study of bacteriosis of corn sprouts. (In Russian.) Vsesoiuzn. Akad. Sel'sko khoz. Nauk im. V. I. Lenina. Dok. 16(2):35-40. 1951. 20 Akl

64513 PATEL, M. K., KULKARNI, Y. S., and DHANDE, G. W. Three bacterial diseases of plants. Cur. Sci. 20: 106. Apr.1951. 475 Sci23

Xanthomonas begoniae, X. stizolobiiicola, and X. betli-cola in India.

64514 REID, W. D. Control of bacterial-spot of plum. New Zeal. J. Sci. & Technol. A. Agr. Res. Sect. 31(5):40-43. Feb.1950. 514 N48A

64515 STAPP, C. Der pflanzenkrebs und sein erregere Pseudomonas tumefaciens. XV. Phytopath. Z. 17:333-347. Ref. Apr.1951. 464.8 P562

64516 TAMHANE, S. N. A bacterial disease of coconut fruits. (Abs.) Indian Sci. Cong. Proc. 36(4):7-8. 1949. 513 In22

Viruses and Virus Diseases

64517 ABBOT, E. V., and STOKES, I. E. Mosaic disease cuts yields in sugarcane tests. Miss. Farm Res. [Miss. Sta.] 14(6):1-2. June 1951. 100 M69Mi

64518 BAWDEN, F. C., and KASSANIS, B. Serologically related strains of potato virus Y that are not mutually antagonistic in plants. Ann. Appl. Biol. 38:402-410. Ref. June 1951. 442.8 An72

64519 BAWDEN, F. C. Viruses: molecules or organisms? Discovery 12:41-43. Feb.1951. 472 D63
Includes plants.

64520 BERCKS, R. Infektionsversuche mit dem X-virus an kartoffelpflanzen. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:61-64. Feb.1951. 410.9 G31M

64521 BHARGAVA, K. S. Some properties of four strains of cucumber mosaic virus. Ann. Appl. Biol. 38: 377-388. Ref. June 1951. 442.8 An72

64522 BITTERS, W. P., and PARKER, E. R. Further horticultural aspects of Q. D. [quick decline]. II. Citrus Leaves 31(6):6-7, 38-39. June 1951. 80 C492

64523 BLENCOWE, J. W., and TINSLEY, T. W. The influence of density of plant population on the incidence of yellows in sugar-beet crops. Ann. Appl. Biol. 38:395-401. Ref. June 1951. 442.8 An72

64524 BLODGETT, E. C., and WILLIAMS, H. E. Western X disease and little cherry. Wash. State Hort. Assoc. Proc. 46:131-135. 1950. 81 W273
On peaches and cherries.

64525 BODE, O. Über den gehalt an blattfarbstoffen in gesunden und blattrollkranken kartoffelpflanzen. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:64-68. Feb. 1951. 410.9 G31M

64526 BRAKKE, M. K., BLACK, L. M., and WYCKOFF, R. W. G. The sedimentation rate of potato yellow-dwarf virus. Amer. J. Bot. 38:332-342. Ref. May 1951. 450 Am36

64527 CHAMBERLAIN, E. E., and FRY, P. R. Influence of method of tomato seed extraction on seed transmission of tobacco-mosaic and tomato-streak. New Zeal. J. Sci. & Technol. A. Agr. Res. Sect. 32(2):19-23. Aug.1950. 514 N48A

64528 FITZPATRICK, R. E., and MELLOR, F. C. Studies of virus diseases of strawberries in British Columbia. I. The reaction of the British Sovereign variety and the indicator Fragaria vesca to yellows. Canad. J. Bot. 29:182-188. Ref. June 1951. 470 C16C

64529 FULTON, R. W. Superinfection by strains of tobacco mosaic virus. Phytopathology 41:579-592. Ref. July 1951. 464.8 P56

64530 GRANT, T. J. Got to live with quick decline. Citrus Leaves 31(7):11. July 1951. 80 C492

64531 HAUSCHILD, A. Anerkennungspraxis und probeentnahme bei kartoffeln. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:50-51. Feb.1951. 410.9 G31M
Virus diseases.

64532 HIRTH, L. Contribution à l'étude de l'inhibition du virus de la mosaïque du tabac par diverses substances tanniques. Mode d'action de ces dernières. Inst. Pasteur Ann. 80:458-469. Ref. May 1951. 448.3 An75

64533 JENSEN, D. D., and GOLD, A. H. A virus ring spot of Odontoglossum orchid: symptoms, transmission, and electron microscopy. Phytopathology 41:648-653. July 1951. 464.8 P56

64534 KLINKOWSKI, M. Zur frage der ertragsbeeinflussung und der möglichkeit der "bodeninfektion" des X-virus der kartoffel. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:59-61. Feb.1951. 410.9 G31M

64535 KÖHLER, E. Untersuchungen zur prämunitionsfrage. I. Das vordringen von virus aus der sprossachse in das prämunitionsblatt im pfropfversuch. Phytopath. Z. 17: 462-467. Ref. Apr.1951. 464.8 P562

64536 KOTTE, W. Die schmalblättrigkeit der süßkirsche (Pfeiffingerkrankheit) auch in Deutschland. Phytopath. Z. 17:468-471. Apr.1951. 464.8 P562

64537 LEONARD, B. R., JR., and others. On the size, shape, and hydration of southern bean mosaic virus and tobacco necrosis virus in solution. J. Chem. Phys. 19: 793-794. June 1951. 334.8 J823

J. W. Anderegg, P. Kaesberg, S. Shulman, and W. W. Beeman, joint authors.

64538 LÉPINE, P., and others. Essais d'extraction du virus de la mosaïque du Dahlia (Marmor dahliae Holmes) et examen au microscope électronique des produits obtenus. Inst. Pasteur. Ann. 80:669-672. June 1951. 448.3 An75

O. Croissant, P. Cornuet, and C. Martin, joint authors.
64539 LIU, S. P. Studies on the sugar cane mosaic virus in Taiwan. I. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 6:72-98. Ref. Dec.1950. 65.9 F76R
English summary.

64540 MCKINNEY, H. H., and FELLOWS, H. A method for inoculating varietal test nurseries with the wheat streak-mosaic virus. Plant Dis. Rptr. 35:264-266. June 15,1951. 1.9 P69P

64541 MARAMOROSCH, K. Mechanical transmission of corn-stunt virus to an insect vector [Dalbulus maidis]. (Abs.) Phytopathology 41:658. July 1951. 464.8 P56

64542 MENZIES, J. D. Studies on some yellows-type potato viruses. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Res. Rpt. 219,9 p. Ref. May 31,1951. 1.965 S4R312

64543 MILLER, P. W. Number of aphids and time required for the transmission of strawberry yellows. Plant Dis. Rptr. 35:262-263. June 15,1951. 1.9 P69P

64544 MILLER, P. W. Sensitivity of some species of Fragaria to strawberry yellows and crinkle virus diseases. Plant Dis. Rptr. 35:259-261. June 15,1951. 1.9 P69P

64545 NATH, P. Virus diseases of Indian potatoes. (Abs.) Indian Sci. Cong. Proc. 36(3):201. 1949. 513 In22

64546 PARKER, K. G., and PALMITER, D. H. Survey for X-disease on peach and cherry in New York, including the first report on sweet cherry. Plant Dis. Rptr. 35:256-258. June 15,1951. 1.9 P69P

64547 PIVOVAROVA, R. M. Teratological changes in blossoms in double-petaled black currants. (In Russian.) Bot. Zhur. 35:595-601. Nov./Dec.1950. 451 R923

Caused by virus diseases.

64548 POLLARD, E., and DIMOND, A. E. Properties of tobacco mosaic virus determined by its inactivation deuterons. (Abs.) Phytopathology 41:659. July 1951. 464.8 P56

64549 PRENTICE, I. W., and WOOLLCOMBE, T. M. Resolution of strawberry virus complexes. IV. The latent period of virus 3 in the vector [Capitophorus fragariae]. Ann. Appl. Biol. 38:389-394. June 1951. 442.8 An72

64550 QUANTZ, L. Beobachtungen zur samenübertragbarkeit eines mosaikvirus der ackerbohne (Vicia faba L.). Nachrbl. des Deut. Pflanzenschutzdienstes 2:172-173. Nov.1950. 442.9 B832

64551 QUANTZ, L. Untersuchungen über viruskrankheiten an buschbohnen. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:74-79. Feb.1951. 410.9 G31M

Includes discussion

64552 RAYCHAUDHURI, S. P., and MOORTHY, B. R. The ultraviolet absorption spectra of mosaic viruses of sunhemp and cowpea. (Abs.) Indian Sci. Cong. Proc. 36 (4):11-12. 1949. 513 In22

64553 SAMUEL, C. K. Entomological investigations on the leaf-curl disease of tobacco in northern India. VIII. Correlation between the heights of diseased tobacco plants and the types of leaf-curl virus causing infection in the field. (Abs.) Indian Sci. Cong. Proc. 36(3):194-195. 1949. 513 In22

64554 SCHUPHAN, W., DRESSLER, D., and SEUTHE, I. Eine kolorimetrische schnellmethode (modifizierter tryptophan-schnelltest) zur unterscheidung gesunder und viruskranker kartoffeln. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 57:408-415. Nov./Dec.1950. 464.8 Z3

64555 SMITH, K. M. A latent virus in sugar-beets and manfolds. Nature [London] 167:1061. June 30,1951. 472 N21

64556 SMITH, K. M. Plant virus diseases. (Extr.) Chem. Age 64:989-992. June 30,1951. 382 C427

64557 SPRAU, F. Versuche zur hydroponischen augenstecklingsprüfung. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:51-55. Feb.1951. 410.9 G31M

Virus disease resistance tests for potatoes.

64558 STEUDEL, W. Untersuchungen zur frage des anbaues virusfreier samenrüben im Rheinland. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:72-74. Feb. 1951. 410.9 G31M

64559 STEWART, N. Virus problems of cherries. Fruit-Grower 2896:1169. June 28,1951. 80 F941

64560 STOUT, G. L. Peach mosaic. Calif. Dept. Agr. B. 40:43-45. Apr./June 1951. 2 C12M

64561 STOVER, R. H. Tobacco etch virus in Ontario. Canad. J. Bot. 29:235-245. Ref. June 1951. 470 C16C

64562 SUKHOV, K. S., and VOVK, A. M. Differences between northern and southern big bud of potatoes. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 17:236-238. 1950. 442.9 P44

Transmitted by Macrosteles and Hyalesthes obsoletus respectively.

64563 SUKHOV, K. S., and NIKIFOROVA, G. S. Physiological conditions which stimulate the reproduction of tobacco mosaic virus in plant cells. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 18:237-246. Ref. 1950. 442.9 P44

64564 SUKHOV, K. S., and VOVK, A. M. Relation to temperature of hereditary reaction of Nicotiana species to tobacco mosaic virus. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 17:232-235. 1950. 442.9 P44

64565 SUKHOV, K. S., and NIKIFOROVA, G. S. Reproduction of tobacco mosaic virus and synthetic activity of proteases in leaves of hybrid tobacco. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 17:239-242. 1950. 442.9 P44

64566 SUKHOV, K. S., and VOVK, A. M. Variability of tobacco mosaic virus in passage through plant organisms of various species. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 18:215-236. Ref. 1950. 442.9 P44

64567 SUMMERS, E. M. "Ishuku-byo" (dwarf) of sweetpotato in the Ryukyu Islands. Plant Dis. Rptr. 35: 266-267. June 15,1951. 1.9 P69P

64568 SWOLLEN shoot disease of cocoa in West Africa. World Crops 3:262. July 1951. 281.8 W892

64569 THIEM, H. Über virus- und virusverdächtige erscheinungen im obstbau. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:80. Feb.1951. 410.9 G31M

64570 TODD, J. M. An indigenous source of swollen shoot disease of cacao. Nature [London] 167:952-953. June 9,1951. 472 N21

64571 WALLACE, J. M. Prevention of sun-blotch disease of avocados in new plantings. Calif. Avocado Soc. Ybk. 35:97-100. 1950. 81 C128

64572 WEBER, P. V. V. Inheritance of a necrotic-lesion reaction to a mild strain of tobacco mosaic virus. Phytopathology 41:593-609. Ref. July 1951. 464.8 P56

64573 WELSH, M. F., and LOTT, T. B. Conquest of "little cherry" and of "small bitter cherry" still remote but investigators' progress useful. Country Life [Ver-non] 35(5):3-4,6. May 1951. 7 C832

64574 WILLISON, R. S. The effects of some stone-

fruit viruses on cucumber. Plant Dis. Rptr. 35:254-255. June 15,1951. 1.9 P69P

64575 WILSON, J. H. The expression of symptoms of leaf-roll virus in potatoes. Ann. Appl. Biol. 38:546-547. June 1951. 442.8 An72

64576 WINTER, G. Viruskrankheiten an kohlgewächsen. Biol. Bundesanst. Braunschweig. Flugbl. H 12,6 p. July 1950. 464.9 B833

64577 WINTER, H. F. Certified nursery stock aids in control of cherry yellows disease. Ohio Farm & Home Res. [Ohio Sta.] 36:28-29. Mar./Apr.1951. 100 Oh3S

64578 WOLFE, H. R., and ANTHON, E. W. Western

X-disease spread by insects. Wash. State Hort. Assoc. Proc. 46:128-129. 1950. 81 W273

On peaches.

Diseases Caused by Nematodes

64579 ADAIR, W. Controlling the potato's real enemy. Farming News & No. Brit. Agr. 103(21):3. May 25,1951. 10 N82

The eelworm.

64580 ANDERSON, P. J. Control of tobacco nematodes by soil fumigation. (Abs.) Phytopathology 41:657. July 1951. 464.8 P56

64581 FENWICK, D. W. Investigations on the emergence of larvae from the cysts of the potato-root eelworm, Heterodera rostochiensis. 4-5. J. Helminthol. 25:37-56. Ref. 1951. 436.8 J82

64582 GOFFART, H. Der kartoffelnematode als international problem. A. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 58:82-88. Ref. Mar./Apr.1951. 464.8 Z3

64583 GOODEY, T. Soil and freshwater nematodes. London, Methuen, 1951. 389 p. 436 G61

64584 GOODEY, T. Stem eelworm [Ditylenchus dipsaci] attack on seedlings of vetches, Vicia villosa Roth. and Vicia sativa L. J. Helminthol. 25:29-32. 1951. 436.8 J82

64585 GRAHAM, T. W. Nematode root rot of tobacco and other plants. S. C. Agr. Expt. Sta. B. 390,25 p. Ref. Jan.1951. 100 So8

Caused by Pratylenchus.

64586 HENDERSON, V. E. Some host relationships of the potato-rot nematode, Ditylenchus destructor Thorne 1945. Nature [London] 167:952. June 9,1951. 472 N21

64587 JONES, F. G. W. The sugar beet eelworm order 1943. Ann. Appl. Biol. 38:535-537. June 1951. 442.8 An72

Great Britain.

64588 MAI, W. F., and others. Yields of Green Mountain and Cobbler potato varieties grown on golden nematode infested soil. Amer. Potato J. 28:617-625. Ref. June 1951. 75.8 P842

F. J. Spruyt, B. Lear, and J. Feldmesser, joint authors.

64589 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Control of stem eelworm in clover and onion seed. Natl. Inst. Agr. Bot. Seed Notes 38:1-3. Mar.1951. 61.9 N21S

64590 POIGNANT, P. Quelques notes sur le nematode doré de la pomme de terre. Phytoma 4(23):20-21. Feb.1951. 464.8 P563

64591 SCHAEFFENBERG, B. Untersuchungen über die bedeutung der Enchytraeiden als nematodenfeinde. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:55-58. Feb.1951. 410.9 G31M

64592 SILLA, R. R. Anguilulosis de la raiz (Heterodera marioni - Cornu). Pampa Argentina 24(279):22. Mar. 1951. 9 P19

64593 STANILAND, L. N., and SOUTHEY, J. F. Common vetch, Vicia sativa L., as a host of the oat strain of stem eelworm Ditylenchus dipsaci (Kühn, 1857) Filipjev, 1936. J. Helminthol. 25:27-28. 1951. 436.8 J82

- 64594 THIRUMALACHAR, M. J. Root-knot nematode on potato tubers in Simla. *Cur. Sci.* 20:104. Apr. 1951.
475 Sci23

ECOLOGY

- 64595 AAMODT, O. S. Ecology of crop and forage plants in Alaskan agriculture. *Natl. Res. Council. B.* 122: 39-40. Apr. 1951. 330.9 N21
- 64596 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. The Australian environment; handbook prepared for the British Commonwealth Specialist Agricultural Conference on Plant and Animal Nutrition in Relation to Soil and Climatic Factors held in Australia, August 1949. Melbourne, 1949. 183 p. 36 Au72
- 64597 BELIN-MILLERON, J. Étude ethnobotanique d'un "complexe" de fécondité. *Feuille des Nat. (n.s.)* 6: 9-12. Ref. Jan./Feb. 1951. 410 F432
- 64598 BELIZ, J. M., and ABREU, J. P. Ecological notes. (In Portuguese.) *Soc. Broteriana. Mem.* 6:63-77. Ref. 1950. 451 C66M
Portugal.
- 64599 CHEVALIER, A. Sur l'existence ancienne en Afrique équatoriale, au sud de la cuvette centrale du Congo, d'un désert intégral dont il subsiste des reliques appartenant au règne végétal. *Acad. des Sci. Compt. Rend.* 232:1980-1982. May 28, 1951. 505 P21
- 64600 DELEUIL, G. Origine des substances toxiques du sol des associations sans thérophytes du Rosmarino-Ericion. *Acad. des Sci. Compt. Rend.* 232:2038-2039. May 28, 1951. 505 P21
- 64601 FLON, H. L'intérêt des réserves biologiques de la Forêt de Fontainebleau au point de vue botanique. *Soc. Bot. de France. B.* 97:213-216. 1950. 451 F84B
- 64602 GUINCHET, and LEMEE, G. Contribution à la connaissance des races biologiques de *Molinia coerulea* (L.) Moench. *Rev. Gen. de Bot.* 57:565-593. Ref. 1950. 450 R326
An ecological study.
- 64603 HARANT, H., QUEZEL, P., and RIOUX, J. L'isoetion de la "Mare de Grammont." *Soc. Bot. de France. B.* 97:173-175. 1950. 451 F84B
- 64604 HEIM, R. Sur la forêt de Basse Côte d'Ivoire. *Soc. Bot. de France. B.* 97:162-167. 1950. 451 F84B
- 64605 HUFNAGL, E. Der waldmeister-sanikeltyp. *Allg. Forstztg.* 62:66. Apr. 1951. 99.8 AL53
Asperula odorata and *Sanicula europaea*.
- 64606 KAISER, E. Die steppenheiden des mainfränkischen wellenkalkes zwischen Würzburg und dem Spessart. *Bayer. Bot. Gesell. Ber.* 28:125-180. Ref. 1950. 451 B34B
- 64607 KISHKOVSKIĬ, T. N. Habitat conditions of plants in the upper range of their distribution in Eastern Pamir. (In Russian.) *Bot. Zhur.* 35:657-664. Ref. Nov./Dec. 1950. 451 R923
- 64608 LUTZ, H. J. Ecological effects of forest fires in the interior of Alaska. *Natl. Res. Council. B.* 122:120. Apr. 1951. 330.9 N21
- 64609 LUTZ, J. L. Über den gesellschaftsanschluss oberpfälzischer kiefernstandorte. *Bayer. Bot. Gesell. Ber.* 28:64-124. Ref. 1950. 451 B34B
- 64610 MALCUI, G. Les colonies abyssales de plantes subalpines et alpines dans la vallée du Vecchio près de Vizzavona. *Soc. Bot. de France. B.* 97:183-185. 1950. 451 F84B
- 64611 MANGENOT, G. Essai sur les forêts denses de la Côte d'Ivoire. *Soc. Bot. de France. B.* 97:159-162. 1950. 451 F84B
- 64612 MANGENOT, G. Les forêts de la Côte d'Ivoire. *Soc. Bot. de France. B.* 97:156-158. 1950. 451 F84B
- 64613 MERKMÜLLER, H. Untersuchungen über eine alpine Cerastien-gruppe. *Bayer. Bot. Gesell. Ber.* 28: 219-238. Ref. 1950. 451 B34B
- 64614 MISRA, R. A comparative study of meadows. (Abs.) *Indian Sci. Cong. Proc.* 36(3):147-148. 1949. 513 In22
- 64615 MISRA, R., and SHRIVASTAVA, J. P. A preliminary survey of the vegetation of Saugor Lake. (Abs.) *Indian Sci. Cong. Proc.* 36(3):148. 1949. 513 In22
- 64616 MISRA, R., and PANDYA, S. C. The vegetation of Saugor University plateau. (Abs.) *Indian Sci. Cong. Proc.* 36(3):148. 1949. 513 In22
- 64617 MOLINIER, R., and TALLON, G. La végétation de la Crau (Basse-Provence). *Rev. Gen. de Bot.* 57:48-61, 97-127, 177-192, 235-251, 310-318. Ref. 1950. 450 R326
- 64618 NELSON, T. C. Some aspects of utilizing our New Jersey cedar swamps. *Cranberry Growers Assoc. Proc.* 81:26-35. Jan. 27, 1951. 81 Am35M
Sphagnum and *Chamaecyparis thymoides*.
- 64619 NIELEN, G. C. J. F., and DIRVEN, J. G. P. De nauwkeurigheid van de plantensociologische 1/4 dm² frequentie-methode. The accuracy of the 25 CM² specific frequency method. Netherlands. Dir. van de Landb. Verslagen van Landbk. Onderz. 56(13), 27 p. Ref. 1950. 105.2 V61V
English summary.
- 64620 PERIS PEREZ, P. La sociabilidad de las plantas. *Cult. Mod.* 34:129. Apr. 1951. 15 C89
- 64621 PORTERES, R. Problèmes sur la végétation de la Basse Côte d'Ivoire. *Soc. Bot. de France. B.* 97: 153-156. 1950. 451 F84B
- 64622 PURI, G. S. Ecological problems of the humus layer in English forests. (Abs.) *Indian Sci. Cong. Proc.* 36(3):148-149. 1949. 513 In22
- 64623 PURI, G. S. Surface geology, vegetation and plant succession in the London basin. (Abs.) *Indian Sci. Cong. Proc.* 36(3):149-150. 1949. 513 In22
- 64624 RAUP, H. M. Physiographic ecology in Alaska. *Natl. Res. Council. B.* 122:52-53. Apr. 1951. 330.9 N21
- 64625 SAVILE, D. B. O. Changes in grassland near Ottawa, Ontario, following prolonged flooding. *Canad. Field-Nat.* 65:42-45. Jan./Feb. 1951. 410.9 Ot8
- 64626 SCHRETZENMAYR, M. Sukzessionsverhältnisse der Isarauen südlich Lenggries. *Bayer. Bot. Gesell. Ber.* 28:19-63. Ref. 1950. 451 B34B
- 64627 SIGAFOOS, R. S. Congeliturban as a primary physical factor in tundra plant communities. *Natl. Res. Council. B.* 122:118-119. Apr. 1951. 330.9 N21
- 64628 SISSINGH, G. Onkruid-associaties in Nederland. Les associations messicoles et rudérales des Pays-Bas. Netherlands. Dir. van de Landb. Verslagen van Landbk. Onderz. 56(15), 224 p. Ref. 1950. 105.2 V61V
French summary.
- 64629 STEYERMARK, J. A. Botanical areas in the Missouri Ozarks. *Mo. Bot. Gard. B.* 39:126-135. June 1951. 451 M69B
- 64630 TALLON, G. Observations botaniques. Terre et la Vie 97:255-264. 1950. 410.9 P21
An ecological study.
- 64631 VASUDEVA, R. S., and PURI, G. S. The importance of ecological studies of plants in agriculture. (Abs.) *Indian Sci. Cong. Proc.* 36(4):48-49. 1949. 513 In22

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 64632 ADATIA, R. D., and CHOKSHI, D. B. The chromosome numbers in the family Anonaceae. *Cur. Sci.* 20: 102. Apr. 1951. 475 Sci23
- 64633 ADATIA, R. D., MULAY, B. N., and HINGORANI, G. R. A contribution to the embryology of *Vitis trifolia*, L.—I. Bombay. *U. J. Sect. B, Biol. Sci. (n.s.)* 19(3):1-10. Nov. 1950. 513 B633
- 64634 BAILEY, I. W., and SWAMY, B. G. L. The conduplicate carpel of dicotyledons and its initial trends of specialization. *Amer. J. Bot.* 38:373-379. May 1951. 450 Am36
- 64635 BATTAGLIA, E. Development of the tetrasporic embryo sac of *Chrysanthemum viscosum*. *Bot. Gaz.* 112:490-494. June 1951. 450 B652
- 64636 BEATUS, R. Entwicklungsgeschichtliche und cytologische untersuchungen an Ascomyceten. III-IV. *Arch. f. Mikrobiol.* 15:253-269. Ref. 1951. 442.8 Ar26
III, *Sphaerotheca humul* (DC.) Burr. auf *Bidens tripartitus* L.; IV, *Erysiphe cichoracearum* DC. auf *Plantago media* L.
- 64637 BERTI, H. Anomalias florales en girasol cultivado en La Plata. *La Plata. U. Nac. Facul. de Agron. Rev.* 27:283-285. July 1950. 9 R32
- 64638 BHADURI, P. N., ISLAM, A. S., and BOSE, S. Cytogenetics of some common fruit trees. I-II. (Abs.) *Indian Sci. Cong. Proc.* 36(3):139-140. 1949. 513 In22
I, *Eugenia* species, by P. N. Bhaduri and A. S. Islam; II, *Grewia asiatica* Linn. and *Nephalium longana* Camb. by P. N. Bhaduri and S. Bose.
- 64639 BHADURI, P. N., and SARMA, A. K. Further investigation on the cytogenetics of *Scilla* species. (Abs.) *Indian Sci. Cong. Proc.* 36(3):138. 1949. 513 In22
- 64640 BHADURI, P. N., and SARMA, A. K. Karyotype analysis in some of the Indian strains of barley. (Abs.) *Indian Sci. Cong. Proc.* 36(3):139. 1949. 513 In22
- 64641 BHADURI, P. N., and KAR, A. K. Preliminary investigation on the cytogenetics of *Trewia nudiflora* Linn., *Chrozophora plicata* Neck., *Flacourtia ramontchi* L'Herit., & *F. sepi* Roxb. (Abs.) *Indian Sci. Cong. Proc.* 36(3):140. 1949. 513 In22

- 64642 BHARDWAJ, D. C., and PANDE, S. K. Studies in Indian Anthocerotales. I-II. (Abs.) Indian Sci. Cong. Proc. 36(4):9-8. 1949. 513 In22
- I, On the morphology of *Anthoceros crispulus* (Mont) Douim, by D. C. Bhardwaj; II, On the morphology of *Anthoceros jackii* St., by S. K. Pande and D. C. Bhardwaj.
- 64643 BHATTACHARJEE, S. K. Carotype analysis of *Lens esculenta* Moench var. *microsperma*. Sci. & Cult. 16:426-427. Mar. 1951. 475 Sci24
- 64644 BOTTAZZI, G. B. Morphologic variability in the sunflower (*Helianthus annuus* L.). (In Italian.) Genet. Agr. 2:169-185. Dec. 10, 1950. 450 G28
- English summary.
- 64645 BOYES, J. W., and BATTAGLIA, E. The tetra-sporic embryo sacs of *Plumbago coccinea*, P. scandens, and *Ceratostigma willmottianum*. Bot. Gaz. 112:485-489. June 1951. 450 B652
- 64646 BRODIE, H. J. The splash-cup dispersal mechanism in plants. Canad. J. Bot. 29:224-234. Ref. June 1951. 470 C16C
- 64647 CAMEFORT, H. Anomalies foliaires et variations phyllotaxiques chez les plantules de *Cupressus sempervirens*. Rev. Gen. de Bot. 57:348-371. Ref. 1950. 450 R326
- 64648 CHADEFAUD, M. Observations cytologiques sur la Phéophycée d'eau douce: *Heribaudiella fluviatilis* (Aresch.) Sved. Soc. Bot. de France. B. 97:198-199. 1950. 451 F84B
- 64649 CHAKRAVORTI, A. K. Cytogenetical studies in Musaceae. I-V. (Abs.) Indian Sci. Cong. Proc. 36(3):141-143. 1949. 513 In22
- Musa, *Rhodochlamys*, and *Heliconia*.
- 64650 CLOWES, F. A. L. The structure of mycorrhizal roots of *Fagus sylvatica*. New Phytol. 50:1-16. Ref. May 1951. 450 N42
- 64651 COWAN, J. M. The *Rhododendron* leaf; a study of the epidermal appendages. Edinburgh, Oliver and Boyd, 1950. 116 p. 463.47 C83
- 64652 CRÉTÉ, P. Embryogénie des Scrofulariacées. Développement de l'embryon chez l'*Alonsoa caulauliata* Ruiz et Pav. Soc. Bot. de France. B. 97:204-206. 1950. 451 F84B
- 64653 CRÉTÉ, P. Embryologie des Scrofulariacées. L'albume et l'embryon chez les *Nemesia*. Soc. Bot. de France. B. 97:177-179. 1950. 451 F84B
- 64654 CRÉTÉ, P. Embryologie des Scrofulariacées. Développement de l'albume chez l'*Alonsoa caulauliata* Ruiz et Pav. Soc. Bot. de France. B. 97:196-197. 1950. 451 F84B
- 64655 DNYANSAGAR, V. R. Life history of *Leucaena glauca* Benth. (Abs.) Indian Sci. Cong. Proc. 36(4):8. 1949. 513 In22
- 64656 DROUHET, E., and COUTEAU, M. Sur les variations sectorielles des colonies de *Torulopsis neoformans*. Inst. Pasteur Ann. 80:456-457. May 1951. 448.3 An75
- 64657 DUCHAIGNE, A. Une nouvelle étude ontogénique de l'appareil conducteur des dicotylédones. Rev. Gen. de Bot. 57:129-156. 1950. 450 R326
- 64658 DUTT, S. M. The structural basis of sensitivity in *Mimosa pudica* Linn. (Abs.) Indian Sci. Cong. Proc. 36(3):144. 1949. 513 In22
- 64659 EAMES, A. J. Again: "the new morphology." New Phytol. 50:17-35. Ref. May 1951. 450 N42
- 64660 EICHHORN, A. Étude caryologique de deux *Cymbalaria*. Rev. Gen. de Bot. 57:209-234. 1950. 450 R326
- 64661 ELLIOTT, C. G. A further contribution on the life history of *Pterosphaera*. Linn. Soc. N. S. Wales. Proc. 75:320-333. Ref. 1950. 514 Sy2
- 64662 EUNUS, A. M. Contributions to the embryology of the liliaceae I-II. (Abs.) Indian Sci. Cong. Proc. 36(3):132-133. 1949. 513 In22
- Gloriosa superba* and *Albuca transvalensis*.
- 64663 FELDMANN, J., and FELDMANN, G. Les rhodoplastes du *Myriogramme minuta* Kylin. Rev. Gen. de Bot. 57:504-510. 1950. 450 R326
- 64664 FIRBAS, F. Zum pollenanalytischen nachweis des getreidebaus im Federseegebiet. Deut. Bot. Gesell. Ber. 63:110-113. Nov. 24, 1950. 451 D48
- 64665 FLINT, T. J. The three-dimensional shape of crown gall cells and a comparison with normal cortical cells of tomato stem. Amer. J. Bot. 38:342-354. Ref. May 1951. 450 Am36
- 64666 FORLANI, R. Occurrence of parthenocarpy in *Hordeum*. (In Italian.) Genet. Agr. 2:193-198. Dec. 10, 1950. 450 G28
- English summary.
- 64667 GAVAUDAN, P., and DEBRAUX, G. Principes de l'identification des sporophylles chez les angiospermes (Dicotylédones). Acad. des Sci. Compt. Rend. 232:2352-2354. June 18, 1951. 505 P21
- 64668 GOIDANICH, G., and GOIDANICH, I. F. Functional and morphologic resemblance of wound repair in animal and vegetable tissues. (In Italian.) Ricera Sci. 20:1843-1845. Dec. 1950. 475 It1
- 64669 GOPALKRISHNAN, K. S. Notes on the morphology of the genus *Hemileia*. Mycologia 43:271-283. Ref. May/June 1951. 450 M99
- 64670 HAQUE, A. The embryo sac of *Erythronium americanum*. Bot. Gaz. 112:495-500. Ref. June 1951. 450 B652
- 64671 HILTZ. Contribution à l'étude des lithocystes et des cystolithes de *Ficus elastica*. Rev. Gen. de Bot. 57:453-477. Ref. 1950. 450 R326
- 64672 HISAUCHI, K. On the flowers of *Convolvulus farinosa*. (In Japanese.) J. Jap. Bot. 25:172. Aug. 1950. 450 J8223
- 64673 HISAUCHI, K. Some desultory notes of rice plant. (In Japanese.) J. Jap. Bot. 26:57-58. Feb. 1951. 450 J8223
- English summary.
- 64674 ISLAM, A. S. An abnormal flower of *Lagenaria vulgaris* Ser. Sci. & Cult. 16:427-428. Mar. 1951. 475 Sci24
- 64675 ISLAM, A. S. The embryology of *Ottelia alismoides* Pers. (Abs.) Indian Sci. Cong. Proc. 36(3):129. 1949. 513 In22
- 64676 JACOBONI, N. An abnormal olive branch. (In Italian.) Olivicoltura 5(12):16-18. Dec. 1950. 80 OL42
- 64677 JOHRI, B. M. Primitivity of the Angiosperms (with special reference to the presence of pollen grains in the stylar canal and ovary of members of the family Butomaceae). (Abs.) Indian Sci. Cong. Proc. 36(3):135-136. 1949. 513 In22
- 64678 JOSHI, A. C., and RAO, V. S. The problem of the conservatism of the vascular bundles. (Abs.) Indian Sci. Cong. Proc. 36(3):130-131. 1949. 513 In22
- 64679 KHAN, R. Some abnormalities in the inflorescences of *Saccolipsis myosuroides* A. Camus and S. interrupta Stapf. (Abs.) Indian Sci. Cong. Proc. 36(3):131-132. 1949. 513 In22
- 64680 KOCH, W. J. A study of the motile cells of *Vaucheria*. Elisha Mitchell Sci. Soc. J. 67:123-131. Ref. June 1951. 500 EL4
- 64681 KUMAR, V. Studies in *Carica papaya* Linn. I. Preliminary observations on the relation of sex to the pre-flowering growth of papaya seedlings and external characters of seeds. Indian J. Hort. 8:26-34. Ref. Mar. 1951. 80 In2
- 64682 KUSTER, E. Über die staminalhaare der *Tinantia fugax*. Deut. Bot. Gesell. Ber. 63:96-100. Ref. Nov. 24, 1950. 451 D48
- 64683 LEBÈGUE, A. Polyembryonie chez le *Potentilla aurea* L. Soc. Bot. de France. B. 97:199-201. 1950. 451 F84B
- 64684 LEMESLE, R. L'*Hydrastis canadensis* L. et ses principales falsifications. Rev. Gen. de Bot. 57:5-22. Ref. 1950. 450 R326
- 64685 LEMESLE, R. Nouvelles remarques histologiques, microchimiques et phylogénétiques sur la famille des Canellacées. Rev. Gen. de Bot. 58:193-201. Ref. Apr. 1951. 450 R326
- 64686 LEWIS, H., and others. Chromosome numbers of Californian *Delphiniums* and their geographical occurrence. Mo. Bot. Gard. Ann. 38:101-117. Ref. May 1951. 451 M69
- C. Epling, G. A. L. Mehlquist, and C. G. Wyckoff, joint authors.
- 64687 LITARDIÈRE, R. DE. Nombres chromosomiques de diverses Graminées. Soc. Broteriana. B. (ser. 2) 24:79-87. Ref. 1950. 451 C66
- 64688 LOISEAU, J. Contribution à l'étude phyllotaxique de la capucine (*Tropaeolum majus* L.). Rev. Gen. de Bot. 57:478-503. Ref. 1950. 450 R326
- 64689 MAHABALE, T. S., and SHAH, J. J. Prothallii of *Cheilanthes farinosa* Kaulf. and *tenuifolia* Sw. (Abs.) Indian Sci. Cong. Proc. 36(3):125-126. 1949. 513 In22
- 64690 MAHABALE, T. S., and JAVALGEKAR, S. R. Prothallus in the genus *Nephrolepis*. (Abs.) Indian Sci. Cong. Proc. 36(3):126. 1949. 513 In22
- 64691 MAHABALE, T. S., and KULKARNI, N. Prothallus of *Lygodium flexuosum* Bedd. (Abs.) Indian Sci. Cong. Proc. 36(3):124-125. 1949. 513 In22
- 64692 MAHESHWARI, P., and HAQUE, A. The embryo sac of *Chrysanthemum parthenium* L. (Bernh.). (Abs.) Indian Sci. Cong. Proc. 36(3):128-129. 1949. 513 In22

- 64693 MAJUMDAR, G. P., and MITRA, G. C. The origin and development of stipules in *Morus alba* Linn. (Abs.) Indian Sci. Cong. Proc. 36(3):131. 1949. 513 In22
- 64694 MALVESIN-FABRE, G., and EYME, J. Le noyau des cellules à mycorhizes chez *Limodorum abortivum* et son amitose. Rev. Gen. de Bot. 57:92-96. 1950. 450 R326
- 64695 MEHRA, P. N., and KACHROO, P. Sporeling germination studies in Marchantiales. I. *Reboulia* sp. Bryologist 54:1-16. Ref. Mar.1951. 450 B84
- 64696 MEHRA, P. N. What determines inequality in size of the male nuclei in the genus *Ephedra*? (Abs.) Indian Sci. Cong. Proc. 36(3):136. 1949. 513 In22
- 64697 MELCHIOR, H. Zur morphologie und verwandtschaft der Scrophulariaceen-gattung *Oreosolen*. Deut. Bot. Gesell. Ber. 63:114-118. Nov.24,1950. 451 D48
- 64698 MITRA, J. A preliminary investigation on the karyotype analysis of wild and cultivated tuberiferous *Solanums*. (Abs.) Indian Sci. Cong. Proc. 36(3):140-141. 1949. 513 In22
- 64699 MUDALIAR, C. R., and RAO, J. S. Proliferation of spikelets in *Pennisetum pedicellatum* Trin. Sci. & Cult. 16:424-425. Mar.1951. 475 Sci24
- 64700 NARASIMHACHAR, S. G. An embryological study of *Mimosa pudica* Linn. Indian Acad. Sci. Proc. Sect. B 33:192-198. Ref. Apr.1951. 513 In25B
- 64701 NEVES, J. DE. B. On the caryology of *Ornithogallum unifolium* Ker-Gawl. (In Portuguese.) Soc. Broteriana. B. (ser.2)24:335-350. Ref. 1950. 451 C66
- 64702 NIELSEN, E. L., and SMITH, D. C. Dimorphic panicle formation in *Poa pratensis*. Bot. Gaz. 112:534-535. June 1951. 450 B652
- 64703 NIRULA, R. L. Embryogeny of *Notothylas chaudhurii* and its theoretical significance. (Abs.) Indian Sci. Cong. Proc. 36(4):4-5. 1949. 513 In22
- 64704 NIRULA, R. L., and GADKARI, P. D. Microsporogenesis, development of pollinium and male gametophyte in *Daemia extensa*. Br. (Abs.) Indian Sci. Cong. Proc. 36(4):5-6. 1949. 513 In22
- 64705 PALSER, B. F. Studies of floral morphology in the Ericales. I. Organography and vascular anatomy in the Andromedeae. Bot. Gaz. 112:447-485. Ref. June 1951. 450 B652
- 64706 PANKOVA, I. A. In regard to teratological formations in *Primula sinensis* Lindl. (In Russian.) Bot. Zhur. 35:581-594. Ref. Nov./Dec.1950. 451 R923
- 64707 PARANDEKAR, S. A. Abnormal flowers of *Melia azedarach* Linn. Bombay. U. J. Sect. B, Biol. Sci. (n.s.)19(3):32-34. Nov.1950. 513 B633
- 64708 PATTANAIK, S. Effect of age on the regeneration of *Bryophyllum* leaves. (Abs.) Indian Sci. Cong. Proc. 36(3):145-146. 1949. 513 In22
- 64709 PHOUPHAS, C. Développement de l'embryon chez le *Geranium robertianum* L. Soc. Bot. de France. B. 97:191-194. 1950. 451 F84B
- 64710 RAJAGOPALAN, V. R. Cytological studies in *Combretaceae* I. (Abs.) Indian Sci. Cong. Proc. 36(3):137. 1949. 513 In22
- 64711 RANGASWAMI, K. Sex chromosomes of *Trichosanthes palmata*, Roxb. (Abs.) Indian Sci. Cong. Proc. 36(3):137. 1949. 513 In22
- 64712 RAO, T. A. Studies on the foliar sclereids in dicotyledons. 2. On sclereids in species of *Leucospermum* (Proteaceae), *Mimusops* (Sapotaceae), and *Memecylon* (Melastomaceae). Bombay. U. J. Sect. B, Biol. Sci. (n.s.)19(3):25-31. Nov.1950. 513 B633
- 64713 RAU, M. A. Development of the embryo in *Aeschynomene indica* Linn. New Phytol. 50:124-126. May 1951. 450 N42
- 64714 RAZI, B. A. The embryo sac of *Podostemaceae*. (Abs.) Indian Sci. Cong. Proc. 36(3):127-128. 1949. 513 In22
- 64715 ROELOFSEN, P. A. Cell-wall structure in the growth-zone of *Phycomyces sporangiophores*. II. Biochim. et Biophys. Acta 6(2):340-356;(3):357-371. Ref. Nov.1950-Jan.1951. 381 B522
- 64716 ROELOFSEN, P. A., and HOUWINK, A. L. Cell wall structure of staminal hairs of *Tradescantia virginica* and its relation with growth. Protoplasma 40:1-22. Ref. 1951. 442.8 P94
- 64717 ROUFFA, A. S., and GUNCKEL, J. E. Leaf initiation, origin, and pattern of pith development in the *Roseaceae*. Amer. J. Bot. 38:301-307. Ref. Apr.1951. 450 Am36
- 64718 ROZSA, G., and WYCKOFF, R. W. G. The electron microscopy of dividing cells. Biochim. et Biophys. Acta 6(2):334-339. Nov.1950. 381 B522
- Observations on onion root tip.
- 64719 RUINEN, J. The course of the latexvessels in the leaf base of *Hevea brasiliensis*. (In Dutch.) Arch. v. de Rubbercult. 27:267-276. Ref. Dec.1950. 78.8 Ar2
- English summary.
- 64720 SAFIULLA, K. M., and GOVINDU, H. C. The development of the female gametophyte and endosperm in *Moniera hamiltoniana* T. Cooke. (Abs.) Indian Sci. Cong. Proc. 36(3):129-130. 1949. 513 In22
- 64721 SAMPAIO, J. Observations on the sexual conjugation process in the *Desmidiaceae* and the corresponding type of zygospores. (In Portuguese.) Soc. Broteriana. B. (ser.2)24:41-71. 1950. 451 C66
- 64722 SARBADHIKARI, P. C. Cytology of apospory in *Doodia aspera*. (Abs.) Indian Sci. Cong. Proc. 36(3):138. 1949. 513 In22
- 64723 SASS, J. E. Comparative leaf number in the embryos of some types of maize. Iowa State Col. J. Sci. 25:509-512. Apr.1951. 470 Io9
- 64724 SASS, J. E., and SKOGMAN, J. The initiation of the inflorescence in *Bromus inermis* (Leyss). Iowa State Col. J. Sci. 25:513-519. Apr.1951. 470 Io9
- 64725 SCHROEDER, C. A. The structure of the skin or rind of the avocado. Calif. Avocado Soc. Ybk. 35:169-176. 1950. 81 C128
- 64726 SINGH, B. Chromosome numbers in some flowering plants. Cur. Sci. 20:105. Apr.1951. 475 Sci23
- 64727 SMITH-WHITE, S. Cytological studies in the *Myrtaceae*. III. Cytology and phylogeny in the *Chamaelauraceae*. Linn. Soc. N. S. Wales. Proc. 75:99-121. Ref. 1950. 514 Sy2
- 64728 SOUEGES, R. Embryogénie des *Boragacées*. Développement de l'embryon chez *Onosma nanum* DC. (O. decipiens Schott et Kotschy). Acad. des Sci. Compt. Rend. 232:2164-2167. June 11,1951. 505 P21
- 64729 SUBRAMANYAM, K. A note on the development of the endosperm in *Stylium graminifolium* Swartz. (Abs.) Indian Sci. Cong. Proc. 36(3):130. 1949. 513 In22
- 64730 TISSERANT, C. L'arachide a-t-elle un fruit indéhiscent? 1-2. Soc. Bot. de France. B. 97:175-177, 185-187. 1950. 451 F84B
- 64731 TIWARI, N. K., and SHRIVASTAVA, S. Observations on the generative nuclei of certain *Solanaceae*. (Abs.) Indian Sci. Cong. Proc. 36(4):3. 1949. 513 In22
- 64732 ULLRICH, J. Zur morphologie und entwicklungsgeschichte der faseren von *Asclepias* und *Apocynum*. Deut. Bot. Gesell. Ber. 63:100-110. Ref. Nov.24,1950. 451 D48
- 64733 VAZART, B. Structure des noyaux du sac embryonnaire de *Linum usitatissimum* L. Acad. des Sci. Compt. Rend. 232:2245-2247. June 11,1951. 505 P21
- 64734 VAZART, J. Nouvelles observations sur les noyaux à calotte: étude caryologique comparée de *Hordeum vulgare* L., *Capsicum annuum* L., *Pastinaca urens* Req. et *Solanum ovigerum* Dun. Rev. Gen. de Bot. 57:517-553;58:42-61. 1950 Jan.1951. 450 R326
- 64735 VENUGOPALAN, S. Cytological study of the Indian *Aristolochiaceae*. I. (Abs.) Indian Sci. Cong. Proc. 36(3):137. 1949. 513 In22
- 64736 WARDLAW, C. W. Comparative morphogenesis in pteridophytes and spermatophytes by experimental methods. New Phytol. 50:127-134. Ref. May 1951. 450 N42
- 64737 WARDROP, A. B., and PRESTON, R. D. The fine structure of the wall of the conifer tracheid. V. The organization of the secondary wall in relation to the growth rate of the cambium. Biochim. et Biophys. Acta 6(1):36-47. Sept.1950. 381 B522
- 64738 WEBER, F., and KENDA, G. Notizen über *Nymphaeaceen-stomata*. Protoplasma 40:158-165. Ref. 1951. 442.8 P94
- 64739 WERTH, E. *Crocus* und *Colchicum*, zwei blütenbiologische paradoxa. Deut. Bot. Gesell. Ber. 63:82-87. Nov.24,1950. 451 D48
- 64740 WINTER, J. M., and WINTER, C. K. The nucleolus in root tip cells of *Hyacinthus orientalis* L. S. Dak. Acad. Sci. Proc. 29:66-69. Dec.1,1950. 500 So82
- 64741 WOODARD, J. W. Some chromosome numbers in *Phalaenopsis*. Amer. Orchid Soc. B. 20:356-358. June 1951. 80 Am329
- 64742 WYLLIE, R. B. Principles of foliar organization shown by sun-shade leaves from ten species of deciduous dicotyledonous trees. Amer. J. Bot. 38:355-361. May 1951. 450 Am36
- 64743 ZAMAN, B. The embryology of *Juncus prismatocarpus* Br. and *J. effusus* Linn. (Abs.) Indian Sci. Cong. Proc. 36(3):133-134. 1949. 513 In22

GENETICS

- 64744 ANDRES, J. M. Licopina en el grano del maíz—una nueva mutación subletal, recesiva monogenica. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:9. 1950. 59.9 P41
- 64745 BALDINI, E. Genetic aspects of sterility in the olive. (In Italian.) Olivicoltura 6(1):3-9. Jan.1951. 80 OL42
- 64746 BAZAVLUK, V. IÜ. Hereditary differences in the nature of cells in Pelargonium zonale. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 17:218-231. Ref. 1950. 442.9 P44
- 64747 BIANCHI, A. Some results in attempting to produce polyploid tomatoes by decapitation. (In Italian.) Genet. Agr. 2:258-275. Ref. Dec.10,1950. 450 G28 English summary.
- 64748 BIANCHI, A. Variability and inheritance of the characters "height" and "height of insertion of the principal ear" in corn. (In Italian.) Genet. Agr. 2:285-308. Dec.10,1950. 450 G28 English summary.
- 64749 CAPINPIN, J. M., and CRUZ, R. F. Effects of inbreeding Lagkit corn. Philippine Agr. 34:10-20. July/Sept.1950. 25 P542
- 64750 DARLINGTON, C. D. The genetics of strawberry yellows. Fruit-Grower 2896:1176. June 28,1951. 80 F941
- 64751 EDGEcombe, S. W. Plant breeding possibilities and techniques for western horticulture. Green Thumb [Denver] 8(7):10-14. July 1951. 80 G82
- 64752 EVERETT, H. L. A new twist to the double cross. Gard. J. 1:114-116. July/Aug.1951. 80 G1635
- 64753 FADDEEVA, T. S. Change of dominance in hybrid tomatoes by the grafting method. (In Russian.) Bot. Zhur. 35:561-570. Nov./Dec.1950. 451 R923
- 64754 FOWELL, R. R. Hybridization of yeasts by Lindegren's technique. Inst. Brewing. J. 57:180-195. Ref. May/June 1951. 390.9 In7
- 64755 GLUSHCHENKO, I. E. Results of crossing vegetative tomato hybrids between themselves and with the initial grafting components. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 18:23-28. 1950. 442.9 P44
- 64756 KARAPETIAN, V. K. Experimental development of soft wheats from hard ones. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 17:32-95. Ref. 1950. 442.9 P44
- 64757 KARAPETIAN, V. K. New data on controlled changing of hard wheat into soft wheat by late-autumn sowing and facts on the conversion of wheat into rye. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 18:47-65. Ref. 1950. 442.9 P44
- 64758 LAZARO, R. C., NAVARRO, G., and ALAGGIA, H. A. Segunda comunicación sobre heterosis en cruzamientos "intertipo." Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:45-47. 1950. 59.9 P41 Includes discussion.
- 64759 LOH, C. S., and WU, T. H. The generic cross of Saccharum-Miscanthus. (In Chinese.) J. Sugarcane Res. 4:215-228. Aug.1950. 65.8 J822 English summary.
- 64760 MASIN, M. En el cincuentenario del re-descubrimiento de las leyes de Mendel. Acta Cient. Venezol. 1:136-142. Nov./Dec.1950. 475 Ac83
- 64761 MEADER, E. M. New varieties from plant breeding. N. H. Hort. Soc. J. 14:65. 1951. 81 N452J
- 64762 MEDVEDEVA, G. B. Effect of agrotechnical background on formation of wheat hybrids in F₁. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 17:197-217. 1950. 442.9 P44
- 64763 MEDVEDEVA, G. B., and BAZAVLUK, V. IÜ. Some regularities in the cleavage of branching and soft winter wheat hybrids. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 18:132-146. 1950. 442.9 P44
- 64764 MÜGGE. Die pflanzenzüchtung ein neuer pfeiler der landwirtschaft. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:784,789. May 24,1951. 18 L2346
- 64765 NARAIN, A. Mutants in castor oil plant. Sci. & Cult. 16:484-485. Apr.1951. 475 Sci24
- 64766 PARNAS, J. Some problems of Miczurin's microbiology. (In Polish.) Med. Weter. 7:103-107. Feb. 1951. 41.8 M463
- 64767 PLAVILSHCHIKOV, N. Outstanding discoveries in agricultural science in the U.S.S.R. Agr. Econ. 2(6):24-26,31. Feb./Mar.1951. 281.8 Ag832 Plant genetics.
- 64768 ROSSI, J. C. Caracteres genéticos recesivos simples y duplicados aparecidos en planta en poblaciones antiguas de maíz. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:11-17. 1950. 59.9 P41
- 64769 SCHWANITZ, F. Untersuchungen an polyploid-en pflanzen. XII. Der gigas-charakter der kulturpflanzen und seine bedeutung für die polyploidiezüchtung. Züchter 21:65-75. Ref. 1951. 442.8 Z8
- 64770 SINGH, H. B., and PAL, B. P. Some observations on the interspecific cross *Luffa acutangula* Roxb. X. *L. cylindrica* (Lour.) Roem. (= *L. aegyptiaca* Mill.). (Abs.) Indian Sci. Cong. Proc. 36(3):196-197. 1949. 513 In22
- 64771 SINGH, R. N. Probable bud sports in citrus. Cür. Sci. 20:105. Apr.1951. 475 Sci23
- 64772 SKVORTSOV, A. K. A natural intergeneric hybrid, *Draba* x *Schwereckia*. (In Russian.) Bot. Zhur. 35:655-657. Nov./Dec.1950. 451 R923
- 64773 TROKE, C. Michurin: a colour film from Russia. Discovery 12:43. Feb.1951. 472 D63
- 64774 TRUKHINOVA, A. T. Controlled change of *Milturum* 321 spring wheat into winter wheat under conditions of Siberia and Southern Ural. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 18:66-99. Ref. 1950. 442.9 P44
- 64775 VARMA, G. Albinism in sugarcane. (Abs.) Indian Sci. Cong. Proc. 36(3):191-192. 1949. 513 In22
- 64776 VIDELA, R. O. Prueba anticipada de la aptitud combinatoria. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:53-61. 1950. 59.9 P41 Includes discussion.
- 64777 WAGENINGEN. LANDBOUWHOOGESCHOOL. Instituut voor plantenveredeling [Institute of Plant Breeding]. Wageningen, Centre Agr. Sci., 1950. 80 p. 105.2 W1222W

PHYSIOLOGY

- 64778 AGARWAL, S. C., and VERMA, G. S. Effect of some carcinogenic hydrocarbons on the mango fruit. (Abs.) Indian Sci. Cong. Proc. 36(3):146. 1949. 513 In22
- 64779 AGATI, G. On the germination of olive pollen. (In Italian.) Olivicoltura 6(1):10-16. Ref. Jan.1951. 80 OL42
- 64780 ALPAT'EV, A. M. Rational utilization of precipitation—basis for overcoming drought. (In Russian.) Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklim. Usluvifa Stepi Ukrain. SSR i Puti Ikhluchshenifa; Trudy Konf. 1:93-117. Ref. 1950. 20 Uk73 Chiefly on water requirements of field crops.
- 64781 AM ENDE, I. Zur ernährungsphysiologie des pilzes der *Xanthoria parietina*. Arch. f. Mikrobiol. 15:185-202. Ref. 1951. 442.8 Ar26
- 64782 AMSTEIN, W. G. Here's what to do if plants turn yellow. Kans. Farmer 88(12):12. June 16,1951. 6 K13 Chlorosis.
- 64783 ARNAL, C. Action de l'ablation du sommet sur la croissance de la feuille d'*Allium sativum* L. Rev. Gen. de Bot. 57:372-386. Ref. 1950. 450 R326
- 64784 ARNON, D. I. Extracellular photosynthetic reactions. Nature [London] 167:1008-1010. Ref. June 23, 1951. 472 N21
- 64785 ASKEW, H. O., and MONK, R. J. Boron in the nutrition of the hop. Nature [London] 167:1074-1075. June 30,1951. 472 N21
- 64786 AYERS, A. D. Salt tolerance of avocado trees grown in culture solutions. Calif. Avocado Soc. Ybk. 35:139-148. 1950. 81 C128
- 64787 BADENOCH, A. G. The minerals in plant and animal nutrition. Health & Soil 1951:42-46. (To be Cont.) Spring 1951. 56.8 H34
- 64788 BARBIER, J. Contribution à l'étude de la biologie des phycomycètes aquatiques. Rev. Gen. de Bot. 57:23-47. Ref. 1950. 450 R326
- 64789 BARTHOLOMEW, E. T., STEWART, W. S., and CARMAN, G. E. Some physiological effects of insecticides on citrus fruits and leaves. Bot. Gaz. 112:501-510. Ref. June 1951. 450 B652
- 64790 BASTISSE, E. M. Silice dans les végétaux. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron. 2:13-17. Jan./Feb.1951. 14 F8499
- 64791 BATJER, L. P. Research with growth-regulating chemicals on fruits. Wash. State Hort. Assoc. Proc. 46:187-189. 1950. 81 W273
- 64792 BEAL, J. M. Negative results following exposure of several kinds of seeds to cosmic rays and other radiations at high altitudes. Bot. Gaz. 112:533-534. June 1951. 450 B652

- 64793 BENSON, A. A. The sequence of formation of hexoses during photosynthesis. Arch. Biochem. & Biophys. 32:223-224. June 1951. 381 Ar2
- 64794 BERZAGHI, M. N. Vegetative cycle and temperature and rainfall requirements. III. (In Portuguese.) Rev. dos Mercados 2(6):19-23. Feb. 1951. 286.8 R328
- 64795 BESSET, J. Sur la libération d'auxine à l'intérieur des tissus de topinambour sous l'action de diverses hétéro-auxines. Acad. des Sci. Compt. Rend. 232:2127-2128. June 4, 1951. 505 P21
- 64796 BIANCHI, A. Preliminary note of the flowering of strains of corn. (In Italian.) Genet. Agr. 2:276-284. Dec. 10, 1950. 450 G28
English summary.
- 64797 BINET, P. Respiration des plantes amphibies en milieu aérien et en milieu aquatique. Rev. Gen. de Bot. 57:619-636. Ref. 1950. 450 R326
- 64798 BITCOVER, E. H., and SIELING, D. H. Effect of various factors on the utilization of nitrogen and iron by *Spirodela polyrrhiza* (L.) Schleid. Plant Physiol. 26:290-303. Ref. Apr. 1951. 450 P692
- 64799 BIZZOZERO, A. On the theme "Plant anatomy and physiology." (In Italian.) Italia Agr. 88:252-261. May 1951. 16 It1
- 64800 BLAIR, B. O. Mesquite seed and seedling response to 2,4-D and 2,4,5-T. Bot. Gaz. 112:518-521. June 1951. 450 B652
- 64801 BOLL, W. G., and STREET, H. E. Studies on the growth of excised roots. I. The stimulatory effect of molybdenum and copper on the growth of excised tomato roots. New Phytol. 50:52-75. Ref. May 1951. 450 N42
- 64802 BOWEN, V. T., and RUBINSON, A. C. Uptake of lanthanum by a yeast. Nature [London] 167:1032. June 23, 1951. 472 N21
- 64803 BRACEY, S. J. Light. Orchid Digest 15:102-104. May/June 1951. 80 Or172
- 64804 BRANDES, E. W., and MCGUIRE, R. C. Auxin-thermal relations in cell growth and geotropic reaction of sugarcane. Amer. J. Bot. 38:381-389. May 1951. 450 Am36
- 64805 BRANTINGHAM, J. A. General 2,4-D damage to vineyards in the Kennewick area in 1950. Wash. State Hort. Assoc. Proc. 46:194. 1950. 81 W273
- 64806 BRYANT, L. H. Variations in oil yield and oil composition in some species of eucalypts and tea trees. N. S. Wales. Forestry Comm. Div. Wood Technol. Tech. Notes 4(spec.no.):6-10. Nov. 1950. 99.9 N472T
Eucalyptus, *Malaleuca alternifolia*, and *Leptospermum citratum*.
- 64807 BULLOCK, R. M. Hormone research at the tree fruit experiment station. Wash. State Hort. Assoc. Proc. 46:119-122. 1950. 81 W273
- 64808 BURCIK, E. Über die beziehungen zwischen hydratur und wachstum bei bakterien und hefen. Arch. f. Mikrobiol. 15:203-235. Ref. 1951. 442.8 Ar26
- 64809 BUZI, V. C. Environment and the germination of Gramineae seeds. (In Italian.) Humus 7(5):11-13. May 1951. 16 H88
- 64810 CANEL, M. Sincronización de la floración femenina y masculina del maíz en su relación con la sequía. Cent. Region. Pampeano de Invest. Agropecuarias. * Mem. de la Reunión de Maíz 5:41-43. 1950. 59.9 P41
- 64811 CANNON, R. C. The importance of iron in pineapple nutrition. Queensland Prod. 32(41):15-16. Apr. 11, 1951. 23 Q35
- 64812 CASELLA, D. Measures for control of bud, flower, and fruit drop in woody species of fruit. (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:200-212. 1949, pub. 1950. 93.09 C769
English summary.
- 64813 CHANDLER, C. Flowering habits and fertility of some Cinchona species in Guatemala. Boyce Thompson Inst. Contrib. 16:249-259. Apr./June 1951. 451 B69
- 64814 CHAPMAN, H. D., and RAYNER, D. S. Effects of phosphorus deficiency on orange trees: appearance, and fruit quality. Citrus Leaves 31(6):21-24. June 1951. 80 C492
- 64815 CHAPMAN, H. W. Absorption of CO₂ by leaves of the potato. Amer. Potato J. 28:602-615. Ref. May 1951. 75.8 P842
- 64816 CHAO, T. K., and CHENG, C. F. A study of tillering period with its relation to yield in sugarcane plants. II. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 6:1-13. Dec. 1950. 65.9 F76R
English summary.
- 64817 CHATTOPADHYAY, H., and BANERJEE, S. Studies on the choline content of some common Indian pulses and cereals both before and during the course of germination. Food Res. 16:230-232. Ref. May/June 1951. 389.8 F7322
- 64818 CHEN, Y. K., and LEE, S. C. Effects of BHC, DDT, and toxaphene on the growth rate of sugarcane cuttings. I. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 6:131-148. Dec. 1950. 65.9 F76R
English summary.
- 64819 CHODAT, F. Les ébauches de l'adaptation; l'adaptation enzymatique. Arch. des Sci. 3:395-418. 1950. 475 Ar23
- 64820 CHOLNOKY, B. J. Über farbstoffführende zellen der *Nemesia strumosa*-blumenblätter. Protoplasma 40:152-157. Ref. 1951. 442.8 P94
- 64821 CHOUARD, P. Les cultures sans sol ont-elles une portée pratique? Agr. Prat. 115:286-292. June 1951. 14 J82
- 64822 CHOUARD, P. Le nyctipériodisme chez des plantes de la flore tempérée de France. Soc. Bot. de France. B. 97:234-236. 1950. 451 F84B
- 64823 CHOUARD, P. Subsistance des facteurs de floraison à travers une année complète de vie à l'obscurité. Acad. des Sci. Compt. Rend. 232:2036-2038. May 28, 1951. 505 P21
Experiment with *Endymion nanscriptus*.
- 64824 CLAVER, F. K. Efecto del 2,4D sobre el porcentaje de aceite e índice de yodo en lino. La Plata. U. Nac. Facul. de Agron. Rev. 27:285-288. July 1950. 9 R32
English summary.
- 64825 CLAVER, F. K., and SIVORI, E. M. Estudio de la reacción al fotoperíodo y temperaturas de tres variedades de trigo. La Plata. U. Nac. Facul. de Agron. Rev. 27:129-140. Ref. July 1950. 9 R32
English summary.
- 64826 CLORE, W. J., and KLOSTERMEYER, E. C. The effect of certain insecticides in the soil on crop response. Wash. State Hort. Assoc. Proc. 46:176. 1950. 81 W273
- 64827 CLORE, W. J. 2,4-D on grapes. Wash. State Hort. Assoc. Proc. 46:195. 1950. 81 W273
- 64828 COÛC, Y., and BAISSÉ, G. DE. Manganèse et filosite de la pomme de terre. Acad. d'Agr. de France. Compt. Rend. 37:278-281. Apr. 18/25, 1951. 14 P215Bc
- 64829 DARBINIAN, G. A. The problem of manifesting a xeromorphic condition within leaves of various strata of the same plants. (In Russian.) Akad. Nauk Armfianskoï SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:893-904. 1950. 20 Er4
- 64830 DARLINGTON, H. T. The seventy-year period for Dr. Beal's seed viability experiment. Amer. J. Bot. 38:379-381. May 1951. 450 Am36
- 64831 DARLOT, P. Etude des variations de composition des gaz internes d'une plante aquatique, au cours d'un cycle de 24 heures. Rev. Gen. de Bot. 58:129-148. Ref. Mar. 1951. 450 R326
- 64832 DASTE, P. L'effet "rhizosphère" chez le *Triticum spheerococcum*. Rev. Gen. de Bot. 57:685-689. 1950. 450 R326
Azotobacter, and apparent inhibitors.
- 64833 DEVADATTA, S. C., ACHARYA, B. N., and NADKARNI, S. B. Effect of germination on the nutritional qualities of some of the vegetable proteins. Indian Acad. Sci. Proc. Sect. B 33:150-158. Ref. Mar. 1951. 513 In25B
Study of lentils, cotton seeds, and gram chickpea.
- 64834 DEYSSON, M. Action de la saponine A du *Sapindus mukurossi* Gaertn. sur la division des cellules végétales. Soc. Bot. de France. B. 97:190-191. 1950. 451 F84B
- 64835 DIETZEL, E., BEHRENBURCH, H., and EUCKEN, M. Stoffwechselversuche an Actinomyceten. Arch. f. Mikrobiol. 15:179-184. 1951. 442.8 Ar26
- 64836 DRAWERT, H. Beiträge zur vitalfärbung pflanzlicher zellen. Protoplasma 40:85-106. Ref. 1951. 442.8 P94
- 64837 DUNN, S. Hormones: their place in plant development. N. H. Hort. Soc. J. 14:45-49. 1951. 81 N452J
- 64838 DUTTA, A. T., GHOSH, B. K., and GUPTA, J. C. The seasonal variation of alkaloids in different parts of *Holarrhena antidysenterica* Wall. and the alkaloid content in the bark at different ages. I. Indian J. Med. Res. 38:467-472. Oct. 1950. 448.8 In22
- 64839 EHRENHARDT, H. Untersuchungen über den einfluss von hexachlorcyclohexan auf die keimung von samen und das wachstum der pflanzen. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:93-95. Feb. 1951. 410.9 G31M
- 64840 ENY, D. M. Respiration studies on *Chlorella*. II. Influence of various organic acids on gas exchange. Plant Physiol. 26:268-289. Ref. Apr. 1951. 450 P692

- 64841 ESDORN, I. Untersuchungen über den einfluss verschiedener faktoren auf den ätherischen ölgehalt an absterbenden pflanzen. *Phytopath. Z.* 17:433-443. Ref. Apr.1951. 464.8 P562
- 64842 EULER, H. VON. Einfluss von streptomycin auf samen normaler und chlorophylldefekter gerste. *Z. f. Natforsch.* 5b:448. Ref. Nov./Dec.1950. 474 Z3
- 64843 FENTON, F. A. The fruiting of cotton in relation to insect control: second report. *Okl. Acad. Sci. Proc.* 30:56-59. 1949, pub. Apr.1951. 500 Ok42
Effect of defoliation.
- 64844 FIGUEROA POTES, A. La utilidad de la thiamina, las sales minerales y las fitohormonas en el cultivo de orquideas. *Acta Agron.* 1:65-69. Apr.1951. 9.4 Ac8
- 64845 FINDLAY, W. P. K. The development of *Armillaria mellea* rhizomorphs in a water tunnel. *Brit. Mycol. Soc. Trans.* 34:146. June 1951. 451 B76
- 64846 FITZGERALD, O. A. Watch out for 2,4-D's lingering wallop. *Idaho Farmer* 69:478,485. June 21, 1951. 6 G282
Residual effect on crops.
- 64847 FRANK, E. M., RIKER, A. J., and DYE, S. L. Comparisons of growth by tobacco and sunflower tissue on synthetic media containing various sources of organic nitrogen. *Plant Physiol.* 26:258-267. Apr.1951. 450 P692
- 64848 FRENKEL, A. W., and RIEGER, C. Photoreduction in algae. *Nature [London]* 167:1030. June 23, 1951. 472 N21
- 64849 FRITZSCHE, R. Weitere mitteilung zu den versuchen zur behebung der abwechselnden tragbarkeit bei apfelbäumen mit hilfe von spritzmitteln. *Schweiz. Z. f. Obst- u. Weinbau* 60:207-211. June 2, 1951. 80 Sch9
- 64850 FRÖIER, K. The yellow top disease of flax. (In Swedish.) *Lantmannen* 35:443. June 2, 1951. 11 L234
Caused by lack of boron.
- 64851 GALSTON, A. W., and BAKER, R. S. Studies on the physiology of light action. IV. Light enhancement of auxin-induced growth in green peas. *Plant Physiol.* 26:311-317. Apr.1951. 450 P692
- 64852 GAROFALO, F. Action of filtrates of *Bakerophoma tracheiphila* (Petri) Ciferri on cultures of internal organs in vitro. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:767-769. Apr./May 1950. 442.8 So12
- 64853 GAROFALO, F. The action of filtrates of *Bakerophoma tracheiphila* (Petri) Ciferri on tissue cultures in vitro. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:765-767. Apr./May 1950. 442.8 So12
- 64854 GAUMANN, E. Über den einfluss der temperatur auf den welke-effekt beim toxischen welken. *Phytopath. Z.* 17:330-333. Ref. Apr.1951. 464.8 P562
Experiment with tomatoes.
- 64855 GAVAUDAN, P., and BREBION, G. L'échelle des inhibitions fonctionnelles dans la cellule végétale. *Expt. Cell Res.* 2:158-164. Ref. June 1951. 442.8 Ex7
- 64856 GEORG, L. K. The relation of nutrition to the growth and morphology of *Trichophyton violaceum*. I. The vitamin and amino acid requirements of *T. violaceum*. *Mycologia* 43:297-309. May/June 1951. 450 M99
- 64857 GERDES, G. Änderungen im aneuringehalt von algen (physiologischer zustand, licht-dunkelwechsel). *Arch. f. Mikrobiol.* 16:53-77. Ref. 1951. 442.8 Ar26
- 64858 GIGANTE, R. Changes in tobacco seedlings in Lecce Province due to excessive temperature. (In Italian.) *Tabacco* 55:103-112. Mar.1951. 69.8 T115
- 64859 GILDENHUYS, P. J. Fertility studies in *Setaria sphacelata* (Schum) Stapf and Hubbard. *Union So. Africa. Dept. Agr. Sci. B.* 314,45 p. 1950. 24 So84S
- 64860 GLOVER, P. E. The root systems of some British Somaliland plants. III. *East African Agr. J.* 16:205-217. Apr.1951. 24 Ea74
- 64861 GONZALEZ, L. G., and CRUZ SALVADOR, F. Inter-generic graft affinity of the lanzones, *Lansium domesticum* Correa. *Philippine Agr.* 34:21-25. Ref. July/Sept.1950. 25 P542
- 64862 GOYETTE, L. E. Studies on the extracellular starch production by species of *Torulopsis*. *Kans. Acad. Sci. Trans.* 54:28-35. Mar.1951. 500 K13T
- 64863 GREENWOOD, M., and HAYFRON, R. J. Iron and zinc deficiencies in cacao in the Gold Coast. *Empire J. Expt. Agr.* 19:73-86. Ref. Apr.1951. 10 Em7
- 64864 GROSSER, A., KUNDTNER-SCHWARZKOPF, H., and BERNHAUER, K. Über den einfluss der kultivierungsbedingungen auf die farbstoffbildung durch *Penicillium*-arten. *Arch. f. Mikrobiol.* 15:236-246. 1951. 442.8 Ar26
- 64865 HAAS, A. R. C. Calcium in relation to the effects of sodium in avocado seedlings. *Calif. Avocado Soc. Ybk.* 35:161-168. 1950. 81 C128
- 64866 HAAS, A. R. C. Effect of sodium chloride on Mexican, Guatemalan, and West Indian avocado seedlings. *Calif. Avocado Soc. Ybk.* 35:153-160. 1950. 81 C128
- 64867 HAAS, A. R. C. Rootstock influence on the composition of scion avocado leaves. *Calif. Avocado Soc. Ybk.* 35:149-152. 1950. 81 C128
- 64868 HAGEL, G. Über die wirkung von digitalis und anderen glykosiden auf die keimung und das wachstum von pflanzen. *Züchter* 21:138-142. 1951. 442.8 Z8
- 64869 HALL, W. C. The effect of sucrose and maleic hydrazide on the chemical defoliation and inhibition of second growth of cotton. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1356,3 p. Apr.7,1951. 100 T31P
- 64870 HAMNER, C. L., and TUKEY, H. B. Chlorophyll inhibition and herbicidal action of 3-(alpha-iminoethyl) 5-methyl tetronic acid. *Bot. Gaz.* 112:525-528. Ref. June 1951. 450 B652
- 64871 HANF, M. Symptome der schädigungen durch 2,4 D-mittel. *Biol. Zentanst. f. Land- u. Forstwirtschaft.* 70:36-40. Feb.1951. 410.9 G31M
- 64872 HARTEL, C. Ionenwirkung auf die kutikulartranspiration von blättern. *Protoplasma* 40:107-136. Ref. 1951. 442.8 P94
- 64873 HAVAS, L. J., and HEUSNER, A. Développement des phytocarcinomes expérimentaux du *Pelargonium zonale* sous l'action de la vitamine K. *Acad. des Sci. Compt. Rend.* 232:2129-2131. June 4, 1951. 505 P21
- 64874 HAWKER, L. E. Morphological and physiological studies on *Sordaria destruens* (Shear) comb. nov. (syn. *Melanospora destruens*), *Sordaria fimicola* and *Melanospora zamiae*. *Brit. Mycol. Soc. Trans.* 34:174-186. Ref. June 1951. 451 B76
- 64875 HAZEN, E. L. Effect of nutrition on the colony characteristics and macroconidial formation of *Microsporum audouinii*. *Mycologia* 43:284-296. May/June 1951. 450 M99
- 64876 HELM, J. Vergleichende betrachtungen über die entwicklung der infloreszenz bei *Lycopersicon esculentum* Mill. und bei einer röntgenmutante. *Züchter* 21:89-95. Ref. 1951. 442.8 Z8
- 64877 HERTEL, F. Weshalb trägt mein obstbaum nicht besser? Leipzig, Hachmeister & Thal, 1950? 40 p. (Lehrmeister-Bücherei, 1085) 463.38 H44
- 64878 HOCHAPFEL, H. Keimphysiologische versuche mit E 605 forte bei obstsaaten. *Biol. Zentanst. f. Land- u. Forstwirtschaft.* 70:96-98. Feb.1951. 410.9 G31M
Includes discussion.
- 64879 HOFFMAN, M. B., and EDGERTON, L. J. Apple drop control and color stimulation result from promising new harvest spray. *Amer. Fruit Grower* 71(6):14,26-27. June 1951. 80 G85
Color-set 1004.
- 64880 HÖFLER, K., and SCHINDLER, H. Vitalfärbung von algenzellen mit toluidinblaulösungen gestufter wasserstoffionenkonzentration. *Protoplasma* 40:137-151. Ref. 1951. 442.8 P94
- 64881 HOFSTEN, C. G. VON. Yellow top disease of flax. III. (In Swedish.) *Lantmannen* 35:524-525. June 30, 1951. 11 L234
- 64882 HOLLEY, R. W., and others. A study of the auxins in cabbage using counter-current distribution. *Arch. Biochem. & Biophys.* 32:192-199. Ref. June 1951. 381 Ar2
F. P. Boyle, H. K. Durfee, and A. D. Holley, joint authors.
- 64883 HUBER, H. Der einfluss der höhe des tragholzes auf quantum und weinqualität. *Schweiz. Z. f. Obst- u. Weinbau* 60:237-238. June 16, 1951. 80 Sch9
Grapes.
- 64884 HUREL-PY. Recherches préliminaires sur la culture aseptique des prothalles de Filicinées. *Rev. Gen. de Bot.* 57:637-681,690-736. Ref. 1950. 450 R326
- 64885 IVANOVSKAYA, T. L. Experiments with density of kok-saghyz and wheat stands in connection with the study of intraspecific and interspecific interrelations in plants. (In Russian.) *Akad. Nauk SSSR. Inst. Genet. Trudy* 18:100-131. Ref. 1950. 442.9 P44
Chiefly on growth and development.
- 64886 JACOBONI, N. Affinity and metabolic intensity of the grafted olive. (In Italian.) *Olivicoltura* 5(11):3-6. Nov.1950. 80 OL42
- 64887 JACOBSON, L. Maintenance of iron supply in nutrient solutions by a single addition of ferric potassium ethylenediamine tetra-acetate. *Plant Physiol.* 26:411-413. Apr.1951. 450 P692

- 64888 JACQUIOT, C. Sur les facteurs déterminant la reprise de l'activité du cambium chez diverses essences forestières. Acad. des Sci. Compt. Rend. 232:2350-2352. June 18, 1951. 505 P21
- 64889 JENNISON, M. W., DERRICK, M., and HENDERSON, R. Nutrition of wood-rotting fungi in chemically defined media. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:38-39. 1950. 448.39 So12A
- 64890 JONES, L. H. P., and LEEPER, G. W. The availability of various manganese oxides to plants. Plant & Soil 3:141-153. Ref. Apr. 1951. 450 P696
- 64891 KANDLER, O. Über die Beziehungen zwischen phosphathaushalt und photosynthese. I. Phosphatpiegelschwankungen bei *Chlorella pyrenoidosa* als folge des licht-dunkel-wechsels. Z. f. Natforsch. 5b:423-437. Ref. Nov./Dec. 1950. 474 Z3
- 64892 KARSCHON, R. Photoperiodicité et thermopériodicité chez le pin sylvestre. Schweiz. Z. f. Forstw. 102:268-275. Ref. May/June 1951. 99.8 J82
- 64893 KLOEN, I. D. Vernalization of beet seeds. (In Dutch.) Nieuwe Veldbode 17:532, 578-579. May 2-31, 1951. 12 V542N
- 64894 KNUDSON, L. Nutrient solutions for orchids. Bot. Gaz. 112:528-532. Ref. June 1951. 450 B652
- 64895 KOFLER, L. Action du 2,4-dichlorophénoxyacétate de sodium sur le gamétophyte de *Funaria hygrometrica* (L.) Sibth. Acad. des Sci. Compt. Rend. 232:1958-1961. May 21, 1951. 505 P21
- 64896 KONDO, I. N. On determining the vigor of the grape root system by the sap discharge. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):52-53. Nov. 1950. 95.8 V77
- 64897 LAIBACH, F., and KRIBBEN, F. J. Über die bedeutung der β -indolyllessigsäure für die blütenbildung. Deut. Bot. Gesell. Ber. 63:119-120. Nov. 24, 1950. 451 D48
- 64898 LAVOLLAY, J., and LABOREY, F. Stimulation de la croissance initiale de l'orge par traitement des graines à la coumarine. Acad. des Sci. Compt. Rend. 232:2348-2350. June 18, 1951. 505 P21
- 64899 LEACH, D. G. The magic of colchicine. Flower Grower 38(6):53-54. June 1951. 80 M72
- 64900 LEDESMA, N. R. Consecuencias del frío invernal insuficiente en los árboles de follaje caduco. La Plata. U. Nac. Facul. de Agron. Rev. 27:181-196. Ref. July 1950. 9 R32
- English summary.
- 64901 LEOPOLD, A. C., and KLEIN, W. H. Maleic hydrazide as an antiauxin in plants. Science 114:9-10. Ref. July 6, 1951. 470 Sci2
- 64902 LEPAGE-THIBODEAU, M. Le mystère de l'eau d'érable. Forêt et Conserv. 3:239-240. Apr. 1951. 99.9 F792
- 64903 LEVIN, S. E., and GAREY, J. C. Studies on effect of pantothenic acid on metabolism of *Saccharomyces carlsbergensis*. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:67-68. 1950. 448.39 So12A
- 64904 LEWIS, C. A. Daylength controls flowering of tuberous-rooted Begonias. N. Y. State Flower Growers. B. 67:2-3, 8. Mar. 1951. 80 N486
- 64905 LINK, G. K. K., and KLEIN, R. M. Inhibitory and stimulatory effects of indoleacetic acid on development of the bean hypocotyl. Bot. Gaz. 112:400-417. Ref. June 1951. 450 B652
- 64906 LINSER, H., and KAINDL, K. Zur wirkungsweise von wuchs- und hemmstoffen. I-II. Blochim. et Biophys. Acta 6(3):384-405. Ref. Jan. 1951. 381 B522
- I, Wachstumswirkungen von Indol-3-essigsäure und eosin sowie pflanzlicher wuchs- und hemmstoffe im gemisch an der Avena-koleoptile, by H. Linser; II, Versuch einer trefferstatistischen deutung der wirkung von wuchs- und hemmstoffen, by K. Kaindl.
- English summary.
- 64907 LIVINGSTON, J. E. Effect of low temperature on the germination of artificially dried seed corn. Nebr. Agr. Expt. Sta. Res. B. 169, 14 p. Ref. Jan. 1951. 100 N27
- 64908 LOZA, J. Recherches physiologiques et histologiques sur les effets provoqués par les ultra-sons chez les végétaux. Rev. Gen. de Bot. 57:594-618. Ref. 1950. 450 R326
- 64909 MCILRATH, W. J. Effect of methoxone on young cotton plants. Cotton Gin & Oil Mill Press 52(14): 45. July 7, 1951. 304.8 C822
- 64910 MCILRATH, W. J., ERGLE, D. R., and DUNLAP, A. A. Persistence of 2,4-D stimulus in cotton plants with reference to its transmission to the seed. Bot. Gaz. 112:511-518. Ref. June 1951. 450 B652
- 64911 MAGROU, J., MARNEFFE, H., and MARIAT, F. Action morphogène de facteurs vitaminiques sur certains champignons. Inst. Pasteur Ann. 80:443-450. Ref. May 1951. 448.3 An75
- Sphaerocybe concentrica* and *Sordaria fimicola*.
- 64912 MAGROU, J., and others. Culture symbiotique de la pomme de terre en montagne. Constitution de lignées pures. Inst. Pasteur Ann. 80:451-452. May 1951. 448.3 An75
- G. Segretain, J. Bouget, and P. Schmidt, joint authors.
- 64913 MANN, H. H. The effect of manures on the bolting of the beet plant. Ann. Appl. Biol. 38:435-443. June 1951. 442.8 An72
- 64914 MASSON, H. L'eau de condensation et la végétation. Inst. Franc. d'Afrique Noire. B. 10:131-181. Ref. 1948, pub. 1951. 515 D14
- 64915 MAY, R. M. La greffe végétale et la question des "hybrides de greffe." Rev. Gén. des Sci. Pures et Appl. 57:236-243. Ref. 1950. 473 R324
- 64916 MAY, R. M. La lutte contre la dessiccation. Cactus [Paris] 6(27):7-9. Mar. 15, 1951. 450 C114
- 64917 MAYER, A. Wachstumsbeeinflussungen durch die reinisomere des hexachlorcyclohexan. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:98-103. Feb. 1951. 410.9 G31M
- 64918 MAZZOLANI, G. The fruit of the olive and the hypotheses on formation of oil in the olive. (In Italian.) Olivicoltura 5(11):7-11. Nov. 1950. 80 OL42
- 64919 MEDVEDEVA, G. B. In regard to the biology of the development of the branching spike in wheat. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 17:192-196. 1950. 442.9 P44
- 64920 MENDEL, K. Studies on the vitality of citrus branches. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. B. 57:78-109. Ref. Dec. 1950. 107 Z6
- Abridged English translation, p. 19-23.
- 64921 MET, M. Étude de la respiration du blé au cours d'une germination normale et pendant le traitement de vernalisation. Rev. Gen. de Bot. 57:429-451. Ref. 1950. 450 R326
- 64922 MICHEL, B. E. Effects of indoleacetic acid upon growth and respiration of kidney bean. Bot. Gaz. 112:418-436. Ref. June 1951. 450 B652
- 64923 MIEGE, E. La culture sans terre fait son apparition en France, en Algérie et au Maroc. Inform. Marocaine 535:1, 4. (To be cont.) Apr. 14, 1951. 281.8 In3
- 64924 MILLER, C. O. Promoting effect of cobaltous and nickelous ions on expansion of etiolated bean leaf disks. Arch. Biochem. & Biophys. 32:216-218. June 1951. 381 Ar2
- 64925 MILLS, K. S., and SCHRANK, A. R. Some effects of decapitation on electrical and elongation phenomena in the Avena coleoptile. Plant Physiol. 26:343-352. Ref. Apr. 1951. 450 P692
- 64926 MITRA, J., and DATTA, C. Role of ascorbic acid on the growth of excised embryos of jute. Sci. & Cult. 16:428-430. Mar. 1951. 475 Sci24
- 64927 MOURAVIEFF, I. Pénétration de l'urée et interaction de la turgescence expérimentale des cellules stomatiques et épidermiques. Acad. des Sci. Compt. Rend. 232:2247-2249. June 11, 1951. 505 P21
- 64928 MUIR, R. M., and HANSCH, C. The relationship of structure and plant-growth activity of substituted benzoic and phenoxyacetic acids. Plant Physiol. 26:369-374. Ref. Apr. 1951. 450 P692
- 64929 MULLISON, W. R. The tomato as a test plant for growth-regulators. Bot. Gaz. 112:521-524. June 1951. 450 B652
- 64930 NARASIMHAN, R., and DUTT, N. L. Effect of hydrogen ion concentration and salt content of the medium on the development of sett roots in sugarcane. (Abs.) Indian Sci. Cong. Proc. 36(3):146. 1949. 513 In22
- 64931 ØDELIEN, M. Deficiency diseases of cultivated plants seen in relationship to fertilizing, liming and soil conditions. (In Norwegian.) Landbrukstidende 57:426-429. (Cont.) May 30, 1951. 11 L236
- 64932 OGINSKY, E. L., and SMITH, P. H. Studies on the choline requirement of *Neurospora crassa* mutant. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:130. 1950. 448.39 So12A
- 64933 OLMSTED, C. E. Experiments on photoperiodism, dormancy, and leaf age and abscission in sugar maple. Bot. Gaz. 112:365-393. Ref. June 1951. 450 B652
- 64934 PATEL, H. M., and PATEL, D. K. A preliminary study of the effect of trace elements on the growth and bud-boll formation in Vijay cotton. (Abs.) Indian Sci. Cong. Proc. 36(3):193. 1949. 513 In22

- 64935 **PERRIER-BENOIT, D.** Action antagoniste des chlorates et des nitrates sur les échanges gazeux respiratoires d'organes et d'organismes végétaux. *Rev. Gen. de Bot.* 58:241-278. Ref. May 1951. 450 R326
- 64936 **PIQUER, G.** Développement des plantes et photopériodisme. I-II. *B. Hort. (n.s.)* 6:45-47, 107-111. Feb. 1, Apr. 1, 1951. 80 B873
- 64937 **PIRSON, A.** Der heutige stand der photosyntheseforschung. *Deut. Bot. Gesell. Ber.* 63:73-82. Ref. Nov. 24, 1950. 451 D48
- 64938 **POPOV, V. P.** Indicators of climatic dryness in the southern regions of Ukraine. (In Russian.) *Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklim. Usloviâ Stepi Ukrain. SSR i Puti Ikh Uluchsheniâ; Trudy Konf.* 1:6-16. 1950. 20 Uk73
Chiefly barley transpiration.
- 64939 **POTAPENKO, I. A. I., and KOSTINA, V. A.** On the annual developmental cycle of grapes. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(12):26-30. Dec. 1950. 95.8 V77
- 64940 **RAINERI, C.** Take care of the stomach of plants. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 28:6. Apr. 24, 1951. 281.8 Ag3
The root system.
- 64941 **RANJAN, S., and KAUR, R.** Studies on hormones. I. Effect of hormone injections of the spikes of wheat on the metabolic activities of the leaves. *Indian Acad. Sci. Proc. Sect. B* 33:221-230. Apr. 1951. 513 In25B
- 64942 **RAO, K. S., RAO, M. R., and RAO, B. S.** Drought resistance of plants in relation to hysteresis in sorption. I-II. (Abs.) *Indian Sci. Cong. Proc.* 36(3):56-57. 1949. 513 In22
I, Hydration and dehydration of the leaves of certain drought resistant and drought sensitive plants; II, Adaptability of the ragi plant to varying conditions of soil drought.
- 64943 **RASCH, E. M.** Nuclear and cell division in *Allium cepa* as influenced by slow neutrons and X-rays. *Bot. Gaz.* 112:331-348. Ref. June 1951. 450 B652
- 64944 **RAU, M. A.** The mechanism of nutrition in the developing seed of *Vigna catjang* Endl. *New Phytol.* 50:121-123. May 1951. 450 N42
- 64945 **REISCHER, H. S.** Growth of *Saprolegniaceae* in synthetic media. II. Nitrogen requirements and the role of Krebs cycle acids. *Mycologia* 43:319-328. Ref. May/June 1951. 450 M99
- 64946 **RENATO CALDAS, L., and CONSTANTIN, T.** Courbes de survie de levures haploïdes et diploïdes soumises aux rayons ultraviolets. *Acad. des Sci. Compt. Rend.* 232:2356-2358. June 18, 1951. 505 P21
- 64947 **REYNEKE, J.** Some chemical, physical, and soil problems with respect to plant nutrition. II. (In Dutch.) *So. African Indus. Chem.* 5:62-65. (Cont.) Apr. 1951. 385 So8
- 64948 **RICHARDS, G. S.** Factors influencing sporulation by *Septoria nodorum*. *Phytopathology* 41:571-578. July 1951. 464.8 P56
- 64949 **ROBERTS, A. N., and HANSEN, E.** Effects of 2,4,5-T sprays on color development and ripening of apples, peaches and pears. *Wash. State Hort. Assoc. Proc.* 46:191-193. 1950. 81 W273
- 64950 **ROELOFSEN, P. A.** Orientation of cellulose fibrils in the cell wall of growing cotton hairs and its bearing on the physiology of cell wall growth. *Biochim. et Biophys. Acta* 7:43-53. Ref. May 1951. 381 B522
- 64951 **RORIG, R.** Spurenelemente, über die wirkung von bio-katalysatoren auf das wachstum von laub- und nadelhölzern. *Forstarchiv* 22:40-43. Mar. 30, 1951. 99.8 F7723
- 64952 **ROSBACO, U. F.** Determinaciones de la absorción de agua en maíces dentados y "flint." *Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz* 5:167-168. 1950. 59.9 P41
- 64953 **RØYSET, S.** Iron as plant nutrition—iron deficiency. (In Norwegian.) *Landbrukstidende* 57:449-450. June 6, 1951. 11 L236
- 64954 **RUSSELL, E. W.** Water and crop production. (Abs.) *Chem. & Indus.* 1951:546. June 30, 1951. 382 M31C
- 64955 **SCARAMUZZI, F.** Researches on the floral biology and fructification of quince trees. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:543-557. Ref. 1951. 16 An76
English summary.
- 64956 **SCARTH, G. W., and SHAW, M.** Stomatal movement and photosynthesis in *Pelargonium*. I. Effects of light and carbon dioxide. *Plant Physiol.* 26:207-225. Ref. Apr. 1951. 450 P692
- 64957 **SCHEIDECKER, D.** Utilisation de l'alcool éthylique comme unique source de carbone par le *Fusarium solani*. *Rev. Gen. de Bot.* 57:78-91. 1950. 450 R326
- 64958 **SCHERY, R. W.** St. Louis springtimes. *Mo. Bot. Gard. B.* 39:85-90. Apr. 1951. 451 M69B
Phenologic records.
- 64959 **SCHMIDLE, A.** Die tagesperiodizität der asexuellen reproduktion von *Pilobolus sphaerosporus*. *Arch. f. Mikrobiol.* 16:80-100. Ref. 1951. 442.8 Ar26
- 64960 **SCHMIDT, W.** Kurzfristige herkunftsteste bei der kiefer. *Forstarchiv* 22:50-52. Ref. Mar. 30, 1951. 99.8 F7723
History and physiology of exotic species.
- 64961 **SCHROCK, O.** Stimulierende wirkung des colchicins bei der keimung und dem wachstum der sämlinge. *Züchter* 21:142-149. Ref. 1951. 442.8 Z8
- 64962 **SCHWARZE, P.** Zur methodik der kautschukbestimmung in pflanzen. *Züchter* 21:109-110. 1951. 442.8 Z8
- 64963 **SCHWARZENBACH, F. H.** Die wirkung von carotinoiden auf die keimung von Cyklamenpollen. *Helvetica Chim. Acta* 34:1064-1069. 1951. 385 H36
- 64964 **SEARS, A. F.** My experiments with the use of lights on *Camellia* seedlings. *Camellian* 2:28-29. Mar. 1951. 97.31 C14
- 64965 **SÉCHET, J.** Le rôle du froid dans le développement du blé. *Soc. de Biol. Compt. Rend.* 145:339-340. Mar. 1951. 442.9 P21
- 64966 **SEN GUPTA, J. C.** Growth response of jute plants to yeast extract and vitamin B₁. (Abs.) *Indian Sci. Cong. Proc.* 36(3):144. 1949. 513 In22
- 64967 **SERRANO, H.** Inducción de raíces en estacas de alfalfa con "2,4-D." *Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras* 3:41-43. 1950. 60.9 P41
- 64968 **SHEBESKI, L. H., BANTING, J., and WU, Y. S.** The effect of frost on germination and the vitality of seedlings from frosted wheat. *Saskatchewan U. Col. Agr. Ext. B.* 128,8 p. Feb. 1951. 7 Sa76A
- 64969 **SIVADJIAN, J.** Étude hygrographique de la transpiration des plantes. *Acad. des Sci. Compt. Rend.* 232:1956-1958. May 21, 1951. 505 P21
- 64970 **SKIRM, R.** Gravel culture for orchids. *Amer. Orchid Soc. B.* 20:327-330. June 1951. 80 Am329
- 64971 **SOMERS, G. F., and HAMNER, K. C.** Phototube-type integrating light recorders: a summary of performance over a five-year period. *Plant Physiol.* 26:318-330. Apr. 1951. 450 P692
- 64972 **STEENBERG, F.** Yield curves and chemical plant analyses. *Plant & Soil* 3:97-109. Apr. 1951. 450 P696
- 64973 **STEINECK, O.** Untersuchungen über bormangelerscheinungen bei kartoffeln. *Bodenkultur* 5:57-60. 1951. 19 B635
- 64974 **STENUIT, D., and PIOT, R.** Recherches concernant l'apparition d'une coloration bleu-noirâtre des plantes, dans les forceries de chicorée-witloof. *Rev. de l'Agr.* 4:239-256. Mar. 1951. 13 R322
English summary.
Includes discussion of soils.
- 64975 **STONE, E. C., and JUHREN G.** The effect of fire on the germination of the seed of *Rhus ovata* Wats. *Amer. J. Bot.* 38:368-372. May 1951. 450 Am36
- 64976 **STOUGHTON, R. H.** Cultivos sin tierra: hidropónicos. *Agr. Venezol.* 15(150):15-16. Mar./Apr. 1951. 9.95 Ag8
- 64977 **STOUGHTON, R. H.** Progresos y límites actuales de los cultivos sin tierra. *Campesino [Santiago]* 83(4):55-57, 59. Apr. 1951. 9.3 So12
- 64978 **TANDON, S. L.** Colchicine-induced polyploidy in *Brassica oleracea* var. botrytis L. *Sci. & Cult.* 16:483-484. Apr. 1951. 475 Sci24
- 64979 **THOMAS, J. B., and NIJENHUIS, L. E.** On the relation between phototaxis and photosynthesis in *Rhodospirillum rubrum*. *Biochim. et Biophys. Acta* 6(2):317-324. Ref. Nov. 1950. 381 B522
- 64980 **THOMPSON, J. F., ZACHARIUS, R. M., and STEWARD, F. C.** Investigations on nitrogen compounds and nitrogen metabolism in plants. I. The reaction of nitrogen compounds with ninhydrin on paper: a quantitative procedure. *Plant Physiol.* 26:375-397. Ref. Apr. 1951. 450 P692
- 64981 **TINCKER, M. A. H., and JOHNSON, E.** The growth of crops without soil. (Abs.) *Chem. & Indus.* 1951:546. June 30, 1951. 382 M31C
- 64982 **TIWARI, N. K.** Remarks on the germination of *Psidium guava* seeds. (Abs.) *Indian Sci. Cong. Proc.* 36(4):4. 1949. 513 In22

BIOCHEMISTRY

- 64983 TIZIO, R. M. Accion del ácido 2-4-diclorofenoxiacético sobre los procesos de maduración de bananas, bajo diferentes periodos de exposición a luz. La Plata. U. Nac. Facul. de Agron. Rev. 27:249-261. Ref. July 1950. 9 R32
English summary.
- 64984 TODD, G. W., and LEVITT, J. Bound water in *Aspergillus niger*. Plant Physiol. 26:331-336. Apr. 1951. 450 P692
- 64985 TOGLIANI, F. Variations of leaf tissues of peach trees affected by silver-leaf disease. (In Italian.) Ann. della Sper. Agr. (n.s.) 5:593-606. Ref. 1951. 16 An76
English summary.
- 64986 TONZIG, S. Hormone functions in plants. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:369-390. Ref. Apr. 1950. 442.8 S012
- 64987 TREASTER, W. L. Storage miracle for root crops. Country Gent. 121(7):20,46. July 1951. 6 C833
Preharvest use of maleic hydrazide prevents sprouting of vegetables in storage.
- 64988 TSERLING, V. V. Effect of conditions of nitrogen nutrition on crop formation of spring cereals. (In Russian.) Pochven. Inst. im. V. V. Dokuchaeva. Trudy 33: 250-286. Ref. 1950. 56.9 P44
- 64989 UNRUH, M. Neue Beobachtungen über die rhythmik der symmetrie am zerstreut beblätterten spross. Deut. Bot. Gesell. Ber. 63:88-96. Nov. 24, 1950. 451 D48
- 64990 VALLEGGI, M. Contribution to a study of self-fertility in olive strains. (In Italian.) Olivicoltura 5(10): 1-7. Ref. Oct. 1950. 80 OL42
- 64991 VERONA, O. Deficiency diseases of fruit trees. (In Italian.) Riv. della Ortiflorofrutticoltura. Ital. 35:105-115. Ref. May/June 1951. 86 R22
- 64992 VILARDEBO, A. Résultats de l'étude de la phytotoxicité de l'hexachlorocyclohexane pour le bananier. Fruits 6:152. Apr. 1951. 80 F9492
- 64993 WALSH, T., GOLDEN, J. D., and FLEMING, G. A. Soil and plant studies on manganese toxicity in swedes in relation to applied phosphates. Internatl. Cong. Soil Sci. Trans. 4(3):115-119. Ref. 1950. 56.09 In844
- 64994 WARBURG, O., and GELEICK, H. Über den gewinn im kreisprozess der photosynthese. Z. f. Natforsch. 6b:134-141. Apr./May 1951. 474 Z3
Chlorella pyrenoidosa used in the study.
- 64995 WAUTHY, R., and ROUSSEL, N. Étude de la résistance à la montée en graines des variétés de betterave sucrière utilisées en Belgique. Inst. Belge pour l'Amélior. de la Betterave. P. 18:191-196. Sept./Oct. 1950. 66.9 In7
English summary.
- 64996 WEATHERLEY, P. E. Studies in the water relations of the cotton plant. II. Diurnal and seasonal variations in relative turgidity and environmental factors. New Phytol. 50:36-51. Ref. May 1951. 450 N42
- 64997 WEAVER, E. A., and CORDON, T. C. Factors affecting spore germination and mycelial growth of *Aspergillus niger*. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:43-44. 1950. 448.39 S012A
- 64998 WEIGEL, R. f. Lichtbiologische behandlung von saatkartoffeln. Tech. f. Bauern u. Gärt. Ausg. G. 2:188. Apr. 25, 1950. 58.8 T223G
- 64999 WEYBREW, J. A., and others. Adaptation of microanalytical procedures for blood to the analysis of calcium, magnesium and phosphorus in plant material. South. Coop. Ser. B. 10:117-124. Ref. Mar. 1951. 100 G29S0
- H. M. Baxley, F. H. Smith, and J. T. Wakeley, joint authors.
- 65000 WHITE, J., and MUNNS, D. J. Inhibitory effect of common elements towards yeast growth. Inst. Brewing. J. 57:175-179. May/June 1951. 390.9 In7
- 65001 WIERSUM, L. K. Water transport in the xylem as related to calcium uptake by groundnuts (*Arachis hypogaea* L.). Plant & Soil 3:160-169. Ref. Apr. 1951. 450 P696
- 65002 WILHELM, W. Der bormangel unserer reben. Bauern Ztg. 4(23):7-8. June 8, 1951. 18 B324
- 65003 WINTER, A. G. Untersuchungen über die verbreitung und bedeutung der mykorrhiza bei kultivierten Gramineen und einigen anderen landwirtschaftlichen nutzpflanzen. Phytopath. Z. 17:421-432. Ref. Apr. 1951. 464.8 P562
- 65004 ZYCHA, H. Das rindensterben der buche. Phytopath. Z. 17:444-461. Ref. Apr. 1951. 464.8 P562
- 65005 ARREGUIN, B., BONNER, J., and WOOD, B. J. Studies on the mechanism of rubber formation in the guayule. III. Experiments with isotopic carbon. Arch. Biochem. & Biophys. 31:234-247. Ref. Apr. 1951. 381 Ar2
- 65006 AXELROD, B., and JAGENDORF, A. T. The fate of phosphatase, invertase, and peroxidase in autolyzing leaves. Plant Physiol. 26:406-410. Apr. 1951. 450 P692
- 65007 BACON, J. S. D., and EDELMAN, J. The carbohydrates of the Jerusalem artichoke and other Compositae. Biochem. J. 48:114-126. Ref. Jan. 1951. 382 B52
- 65008 BANCHER, E. Mikrurgische studien an Delphinium-anthocyanophoren. Protoplasma 40:194-200. Ref. 1951. 442.8 P94
- 65009 BERTRAND, G. Présence générale et rôle probable du sodium dans les plantes. Acad. d'Agr. de France. Compt. Rend. 37:259-261. Apr. 18/25, 1951. 14 P215Bc
Reprinted from Revue de Géographie Alpine, March 1951.
- 65010 BERTRAND, G., and BERTRAND, D. Teneur des graines en rubidium. Acad. des Sci. Compt. Rend. 232:2065-2066. June 4, 1951. 505 P21
- 65011 BHAGVAT, K., and HILL, R. Cytochrome oxidase in higher plants. New Phytol. 50:112-120. Ref. May 1951. 450 N42
- 65012 BIANCO, J. M. Contribución al estudio del mucilago de algunas Malvaceas medicinales venezolanas. Acta Cient. Venezol. 1:162-164. Nov./Dec. 1950. 475 Ac83
English summary.
- 65013 BLAIR, E. H., MITCHELL, H. L., and SILKER, R. E. The sterols of alfalfa and certain cereal grasses. Plant Physiol. 26:337-342. Apr. 1951. 450 P692
- 65014 BOLCATO, V., SCEVOLA, M. E., and BUSSI, G. C. Fixation of triosephosphates in *Rhizopus nigricans* metabolism with living cells. Naturwissenschaften 38: 236-237. May 15, 1951. 474 N213
- 65015 BOTTAZZI, G. B. Anthocyanin pigments in the sunflower (*Helianthus annuus* L.). (In Italian.) Genet. Agr. 2:186-192. Dec. 10, 1950. 450 G28
English summary.
- 65016 CARPENTIER, S., and POBEGUIN, T. Genèse de la couronne de cristaux d'oxalate de calcium insérés sur la base du fruit mur des *Mirabilis*. Rev. Gen. de Bot. 57:554-558. 1950. 450 R326
- 65017 CHAIX, P., and RONCOLI, G. A propos de la variabilité du système des cytochromes chez certains microorganismes. Biochim. et Biophys. Acta 6(2):268-273. Ref. Nov. 1950. 381 B522
Bacillus subtilis and *Saccharomyces cerevisiae*.
- 65018 CHKHUBIANISHVILI, I. I. For the anatomy of bright leaf plants. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:829-837. 1950. 20 Er4
Plant pigments.
- 65019 COIC, Y., BAISSÉ, G. DE., and COPPENET, M. Évolution du manganèse dans les différents organes de la pomme de terre. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron. 2:31-46. Jan./Feb. 1951. 14 F8499
- 65020 COURTOIS, J., and KHORSAND, M. Sur quelques propriétés des phosphatases de feuilles. Biochim. et Biophys. Acta 6(1):175-182. Ref. Sept. 1950. 381 B522
- 65021 CURL, A. L., and SCHWIMMER, S. The nature and preparation of enzymes. U. S. D. A. Ybk. 1950/51: 69-75. 1 Ag84Y
- 65022 DAGLEY, S., MORRISON, G. A., and DAWES, E. A. The "dicarboxylic acid cycle" in bacterial metabolism. Arch. Biochem. & Biophys. 32:231-232. June 1951. 381 Ar2
- 65023 DAMODARAN, M., and SINGH, C. Amide synthesis in plants. V. A simple method for the preparation of asparagine. Indian Acad. Sci. Proc. Sect. B. 33:159-164. Ref. Mar. 1951. 513 In25B
- 65024 DATTA, C. Plant pigments. Sci. & Cult. 16: 458-469 (To be cont.) Apr. 1951. 475 Sci24
- 65025 DATTA, D., and DATTA, A. Kurchi [Holarrhena antidysenterica] bark and its adulterant [Wrightia tinctoria]. (Abs.) Indian Sci. Cong. Proc. 36(3):152. 1949. 513 In22
- 65026 DATTA, S. C. Pharmacognostic studies on commercial varieties of *Rauwolfia serpentina*. (Abs.) Indian Sci. Cong. Proc. 36(3):152. 1949. 513 In22

- 65027 DILLEMANN, G. La disparition de l'acide cyanhydrique dans les macérations aqueuses des tissus de plantes à hétérosides cyanogénétiques. Acad. des Sci. Compt. Rend. 232:1961-1963. May 21, 1951. 505 P21
- 65028 DUCET, G., and ROSENBERG, A. J. Activité respiratoire chez les végétaux supérieurs. II. Activités cytochrome oxydasique et polyphénoloxydasique chez quelques végétaux supérieurs. Soc. de Chim. Biol. B. 33:321-336. Ref. 1951. 383 So1
- 65029 EGLE, K. Blut- und blattfarbstoffe—ihre chemische struktur und biosynthese. Umschau 51:196-198. Apr. 1, 1951. 474 Um7
- 65030 FORTINI, S., and VENEZIAN, M. E. On some enzymatic systems of *Arachis hypogaea*. (In Italian.) Sta. Chim. Agr. Sper. di Roma. Ann. Ser. III. P. 33, 16 p. 1950. 105.4 R66
- English summary.
- 65031 FOWDEN, L. Amino-acids of certain algae. Nature [London] 167:1030-1031. June 23, 1951. 472 N21
- 65032 GILBERT, S. G. A biochemical basis for copper-nitrogen balance in tung. Plant Physiol. 26:398-405. Ref. Apr. 1951. 450 P692
- 65033 GROB, E. C., and others. Recherches sur la biosynthèse des caroténoïdes chez un microorganisme. Production de caroténoïdes marqués par *Phycomyces blakesleeanus*. Experientia 7:218-219. June 15, 1951. 475 Ex7
- G. G. Poretti, A. von Muralt, and W. H. Schopfer, joint authors.
- 65034 HAMET, R. Sur un nouvel alcaloïde cristallisé extrait d'une Rubiacée gabonaise et appartenant à un type chimique inédit. Acad. des Sci. Compt. Rend. 232: 2354-2356. June 18, 1951. 505 P21
- 65035 HERISSEY, H., and DILLEMANN, G. Recherches chimiques sur l'hybride \times *Pyronia veltchil* A. Guillaumin. Isolement d'arbutoside. Ann. Pharm. Franç. 9:161-163. Mar. 1951. 396.8 An7
- 65036 HILL, R., and SCARISBRICK, R. The haematin compounds of leaves. New Phytol. 50:98-111. Ref. May 1951. 450 N42
- 65037 KOSKI, V. M., FRENCH, C. S., and SMITH, J. H. C. The action spectrum for the transformation of protochlorophyll to chlorophyll a in normal and albino corn seedlings. Arch. Biochem. & Biophys. 31:1-17. Mar. 1951. 381 Ar2
- 65038 MANIGAULT, P. Essais de localisation des phosphatases dans les tissus de *Pelargonium zonale*. Inst. Pasteur Ann. 80:453-455. Ref. May 1951. 448.3 An75
- 65039 MAPSON, L. W., and GODDARD, D. R. Reduction of glutathione by co-enzyme II. Nature [London] 167: 975-976. June 16, 1951. 472 N21
- In pea seeds.
- 65040 MARINI-BETTOLO, G. B. Some phytochemical observations on plants of the genus *Lepidophyllum*. The flavone pigment of *L. quadrangulare*. (In Italian.) Ist. Super. di Sanit. Rend. 13:592-603. 1950. 449.9 R66
- English summary.
- 65041 MAXWELL, M. E. Production of protease by cultivation of *Aspergillus oryzae* on wheat bran. Austral. J. Appl. Sci. 1:348-362. Ref. Sept. 1950. 475 Au74
- 65042 MARTIN, S. M., and WILSON, P. W. Uptake of $C^{14}O_2$ by *Aspergillus niger* in the formation of citric acid. Arch. Biochem. & Biophys. 32:150-157. June 1951. 381 Ar2
- 65043 MENDEL, J. L., and VISSER, D. W. Studies on nitrate reduction in higher plants. I. Arch. Biochem. & Biophys. 32:158-169. Ref. June 1951. 381 Ar2
- 65044 MILLER, B. S., and JOHNSON, J. A. A simple linear relationship and definition of a unit for proteinase activity. Arch. Biochem. & Biophys. 32:200-206. Ref. June 1951. 381 Ar2
- 65045 NAGANNA, B. Potato pyrophosphatases. Cur. Sci. 20:101-102. Apr. 1951. 475 Sci23
- 65046 NICCOLINI, P. Lactoflavin among the pharmacologically interesting components of *Ustilago zeae maydis*. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:1001-1002. June 1950. 442.8 So12
- 65047 NICHOLAS, D. J. D. A survey of the use of chemical tissue tests for determining the mineral status of crop plants. Soils & Fert. 14:191-199. Ref. June 1951. 241 Im7Sf
- 65048 PECKOLT, O. DE L. On the formation of curarizing factors in curare. (In Portuguese.) Soc. Bras. de Quím. Rev. 19:109-123. Ref. July/Dec. 1950. 385 So14
- English summary.
- 65049 PFISTER, A. Saponinas en la flora chilena. Soc. Chilena de Quím. B. 2(1/2):23-70. Dec. 1950. 385 So18
- 65050 PIRSON, A. Ergebnisse und probleme der neueren photosyntheseforschung. Umschau 51:391-393. July 1, 1951. 474 Um7
- 65051 QUINLAN-WATSON, T. A. F. Aldolase activity in zinc-deficient plants. Nature [London] 167:1033-1034. June 23, 1951. 472 N21
- 65052 REDEMANN, C. T., WITTWER, S. H., and SELL, H. M. The fruit-setting factor from the ethanol extracts of immature corn kernels. Arch. Biochem. & Biophys. 32:80-84. June 1951. 381 Ar2
- 65053 RIBEIRO, O., and MORS, W. B. Chemical study of the muclage of the stipules of the imbauba "*Cecropia adenopus*" Mart. (In Portuguese.) Soc. Bras. de Quím. Rev. 19:124-140. Ref. July/Dec. 1950. 385 So14
- 65054 RUBAT DU MÉRAC, M. L. Recherches sur le métabolisme glucidique du genre *Allium* et en particulier d'*Allium ursinum* L. Rev. Gen. de Bot. 58:5-44, 89-127, 149-190, 202-237. Ref. Jan.-Apr. 1951. 450 R326
- 65055 SANNIE, C. Sur la composition des algues des Iles Kerguelen, *Macrocystis pyrifera* (L.) Ag. et *Durvillaea antarctica* (Cham) Hariot. Acad. des Sci. Compt. Rend. 232:2040-2041. May 28, 1951. 505 P21
- 65056 SCHOPFER, W. H., and LOUIS, R. Etude de la synthèse de l'acide nicotinique dans les méristèmes radicaux en culture aseptique. Arch. des Sci. 3:446-448. 1950. 475 Ar23
- 65057 SMITH, B. P., and WILLIAMS, H. H. Trans-aminase studies in germinating seeds. Arch. Biochem. & Biophys. 31:366-374. Ref. May 1951. 381 Ar2
- 65058 SMYTHE, C. V. Microbiological production of enzymes and their industrial applications. Econ. Bot. 5: 126-144. Ref. Apr./June 1951. 450 Ec7
- 65059 SOSA, A., and DUSSY, J. Sur quelques constituants nouveaux d'une *Ericacée* africaine, l'*Agauria salicifolia* Hook F. ex Oliv. Acad. des Sci. Compt. Rend. 232:2249-2251. June 11, 1951. 505 P21
- 65060 STAPP, C. Zur frage der bindung atmosphärischen stickstoffs durch hautbildende hefen. Arch. f. Mikrobiol. 16:48-52. 1951. 442.8 Ar26
- 65061 STOSCH, H. A. VON. Über das leukosin, den reservestoff der chrysophyten. Naturwissenschaften 38: 192-193. Ref. Apr. 15, 1951. 474 N213
- 65062 STUTZ, R. E., and BURRIS, R. H. Photosynthesis and metabolism of organic acids in higher plants. Plant Physiol. 26:226-243. Ref. Apr. 1951. 450 P692
- 65063 TANADA, T. The photosynthetic efficiency of carotenoid pigments in *Navicula minima*. Amer. J. Bot. 38:276-283. Ref. Apr. 1951. 450 Am36
- 65064 TOTH, A. Mikrurgische und mikrochemische untersuchung der festen anthocyankörper im blütenblatt von *Pelargonium zonale*. Protoplasma 40:187-194. Ref. 1951. 442.8 P94
- 65065 TURKOVA, N. S. Effect of oxidizing processes on conversions of nitrogenous substances and growth of plants. (In Russian.) Pochven. Inst. im. V. V. Dokuchaeva. Trudy 33:287-299. Ref. 1950. 56.9 P44
- 65066 VIL'JAMS, N. V., and DZHANPOLADIÁN, L. M. The chemical composition of the fat of birch pollen. (In Russian.) Akad. Nauk Armfianskoj SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:955-959. 1950. 20 Er4
- 65067 VOINOVITCH, I. A. Sur l'inhibition des oxydases de l'*Agaricus campestris*. Soc. de Chim. Biol. B. 33:337-346. 1951. 383 So1
- 65068 WHATLEY, F. R., ORDIN, L., and ARNON, D. I. Distribution of micronutrient metals in leaves and chloroplast fragments. Plant Physiol. 26:414-418. Ref. Apr. 1951. 450 P692
- 65069 WHITAKER, D. R., and GEORGE, P. E. Studies in the biochemistry of cellulolytic microorganisms. I-II. Canad. J. Bot. 29:159-181. Ref. June 1951. 470 C16C
- I, Carbon balances of wood-rotting fungi in surface culture, by D. R. Whitaker; II, Metabolic products of *Polyporus abietinus*, *Peniophora gigantea*, and *Hydnum septentrionale*, by D. R. Whitaker, and P. E. George.
- 65070 YOKOYAMA, Y. Studies on amino acids in the mycelium of *Penicillium chrysogenum* Q 176. (In Japanese.) J. Antibiotics 4:95-102. Ref. Feb. 1951. 396.8 J824
- English summary.
- 65071 YOUNG, R. E., PRATT, H. K., and BIALE, J. B. Identification of ethylene as a volatile product of the fungus *Penicillium digitatum*. Plant Physiol. 26:304-310. Ref. Apr. 1951. 450 P692
- 65072 ZIMMERMAN, J. F., BERRY, L. J., and CRENSHAW, J. L. Studies of onion root respiration. IV. Kinetics of the respiratory overshoot. Biochim. et Biophys. Acta 7:115-125. Ref. May 1951. 381 B522

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

- 65073 AIYER, A. K. Y. N. Field crops of India, with special reference to Mysore. Ed. 3. Bangalore City, Bangalore Print. & Pub., 1950. 686 p. Ref. 64 Ai9
- 65074 BRIGGS, G. M. Should we plant soybeans in corn? *Hoard's Dairyman* 96:468-469. June 10, 1951. 44.8 H65
- 65075 CALDER, J. W. Seeding of farm crops. *Canterbury Chamber Com. Agr. B.* 257,4 p. Dec. 1950. 23 C162
- 65076 CARMODY, J. J. Early sowing means profitable sowing. *Beet Grower* 5:5-7. Apr. 1951. 66.8 B392
- 65077 DIECKMANN, K. Unsere nutzpflanzen; pflanzenbaulehre für landwirtschaftsschulen, höhere landbauschulen, bauern und landwirte. Berlin, Parey, 1951. 225 p. 64 D56
- Field crops.
- 65078 FRANCE. INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE. Rapport annuel, 1949. Paris, 1950. 163 p. 105.3 F84
- 65079 HANNINEN, P. Koeympyröiden käytöstä kenttäkokeissa. Using round plots for field experiments. Finland. Maatalouden Koetoininnan Keskusvaliokunta. Valtion Maatalouskoet. Tiedonantoja 223,6 p. 1951. 20 F495T
- English summary.
- 65080 HASSELL, O. L. Agriculture in the Callide and Dawson Valleys. *Queensland Agr. J.* 72:138-146, 206-222. Mar.-Apr. 1951. 23 Q33
- Field crops.
- 65081 HORNE, F. R. Essai de nouvelles variétés de semences en Angleterre. *Terre de Chez Nous* 23(16):17. June 13, 1951. 7 T27
- 65082 HUNTER, H. Crop varieties: varieties of cereals, flax, potatoes, beans and field peas. London, Farmer & Stock-Breeder P., 1951. 224 p. (Agr. Ser.) 64 H91C
- 65083 KALAMKAR, R. J. Agronomy and land utilization. *Natl. Inst. Sci. India. Proc.* 16:495-499. Nov./Dec. 1950. 513 N212
- 65084 KELLER, E. R. Beiträge zur technik des landwirtschaftlichen versuchswesens. Schweiz. Landwirt. Monatsh. 29:209-220. June 20, 1951. 17 Sch93
- 65085 LAKON, G. Der 9. Internationale Kongress für Samenkontrolle in Washington, D. C. *Saatgut-Wirt.* 3:29-31. Feb. 1951. 61.8 Sal
- 65086 LAUMONT, P. Rotations et assolements. *Soc. des Agr. d'Algérie. B.* 94:62-93. 1950/51. 24 Sol
- 65087 LOUISIANA. AGRICULTURAL EXPERIMENT STATION. A preliminary report on experiments conducted by the Crops and Soils Department, 1950. Baton Rouge, 1951? 97 p. 100 L936
- 65088 LOY, Gedanken zum zwischenfruchtbau in diesem jahre. *Landwirtbl. Weser-Ems* 98:565-566. June 28, 1951. 18 L2345
- 65089 MADRID S., C., and RAMIREZ R., G. Observaciones en una visita a algunos centros de enseñanza agronómica de Sur America. *Acta Agron.* 1:75-79. Apr. 1951. 9.4 Ac8
- 65090 MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION DIV. FARM CROPS DEPT. Crop varieties for Michigan. Mich. State Col. Agr. Ext. Folder F-157,22 p. Apr. 1951. 275.29 M58Ex
- Field crops.
- 65091 MUSIJKO, A. S. The additional artificial polination of agricultural crops as one of means for raising the yields. (In Czech.) *Ceskoslov. Akad. Zemédél. Věst.* 25:59-67. Apr. 1951. 19.5 C332
- 65092 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. 19th annual agronomy Day, May 15-16. Okla. Agr. Expt. Sta. Mimeog. C. M-222,11 p. May 1951. 100 Ok4M
- 65093 PEQUIGNOT, R. Comment améliorer nos rendements—en tirant les enseignements de la campagne écoulée. *Motorisation Agr.* 6:89,91,93,95. Feb. 1951. 58.8 M85
- Chiefly field crops.
- 65094 SLOBODCHIKOV, D. D. Problems of the Departments of Agriculture and of MTS [Machine Tractor Station] in carrying out the spring sowing. (In Russian.) *Selek. i Semenovod.* 1951:6-10. Jan. 1951. 61.9 Se5

- 65095 STEPANENKO, G. A. How to organize the seed planting work in seed farms to increase the yield. (In Russian.) *Selek. i Semenovod.* 1951:11-13. Jan. 1951. 61.9 Se5
- 65096 STORRAR, A., and HENDERSON, G. R. Notes on investigational work in the Nakuru District and at Ol Joro Orok Experimental Station. Kenya. Dept. Agr. Annu. Rev. 1950:8-11. 24 K423
- Field crops culture.
- 65097 SWEDEN. STATENS JORDBRUKSNÄMND. BYRÅN FÖR VEGETABILISKA PRODUKTER. Wintering of the fall crops. (In Swedish.) *Lantmannen* 35:435-438. June 2, 1951. 11 L234
- 65098 SZE BENY, G. VON. Jährlich zweimal ernten in Deutschland. München, Szebeny-Bornemisza, 1950. 107 p. 33.27 Sz2
- Field crop research.
- 65099 THOMAS, M. Some tests for randomness in plant populations. *Biometrika* 38:102-111. June 1951. 442.8 B522
- 65100 TROIS cultures en plein développement. *Terre Nouvelle* 94:5.8. Apr. 7, 1951. 281.8 T272
1. Le lin oleagineux, by P. Hermant; 2. L'orge de printemps; 3. Le maïs hybride, by P. Parneix.
- 65101 VERBIN, A. A. System of agrotechnical measures for combatting drought. (In Russian.) *Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklim. Usloviâ Stepî Ukrain. SSR i Puti Ikhluchshenîâ; Trudy Konf.* 1:118-141. 1950. 20 Uk73
- 65102 WORZELLA, W. W., and others. Progress report of research in crops and soils. S. Dak. Agr. Expt. Sta. C. 86,16 p. Apr. 1951. 100 So82
- A. N. Hume, L. F. Pühr, J. E. Frapius, C. J. Franzke, D. B. Shank, V. A. Dirks, J. G. Ross, and M. W. Adams, joint authors.
- 65103 WUNDERL, A. Lehrbuch des ackerbaues. Wien, Scholle, 1950. 264 p. 33.29 W96

Cereals

- 65104 ABALO, R. A. Comportamiento de híbridos tipo dentado y duro de origen norteamericano y del país, en Pergamino. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:85-89. 1950. 59.9 P41
- 65105 ABALO, R. A. Influencia de densidades de siembra sobre el rendimiento de variedades de maíz en Pergamino. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión Maíz 5:139-145. 1950. 59.9 P41
- Includes discussion.
- 65106 ABALO, R. A. Influencia de la época de siembra sobre el rendimiento de las variedades de maíz en Pergamino. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:147-151. 1950. 59.9 P41
- Includes discussion.
- 65107 ALAGGIA, H. A., and PAZ, R. L. Distancias de siembra de maíces dent. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:131-137. 1950. 59.9 P41
- Includes discussion.
- English summary.
- 65108 ATKINS, I. M. Small grain variety tests in the Blackland, Grand Prairie and Edwards Plateau areas of Texas. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1374,6 p. May 29, 1951. 100 T31P
- 65109 AUFHAMMER, G. Ergebnisse der kleberweizen-untersuchungen aus den ernten 1948 und 1949. *Z. f. Pflanzenbau u. Pflanzenschutz* 1:267-280. 1950. 464.8 P88
- Germany.
- 65110 BOEUF, F. Production coopérative des semences de variétés pedigreees de blé en Tunisie. Inauguration du silo de conservation. *Acad. d'Agr. de France. Compt. Rend.* 37:294-296. May 9/16, 1951. 14 P215Bc
- 65111 BOYD, E. Paul Bunyan wheat; egg-size kernels. *Kan. Agr. Student* 27(4):16,33. May 1951. 276.8 K13
- 65112 BRIGGILER, H. A. Estado actual de los trabajos de selección por bajo contenido de durrhina en sorgos, llevados en la Estación Experimental Nacional de Rafaela. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:91-97. 1950. 60.9 P41
- Includes discussion.
- 65113 BULLER, R. E., and HUBER, L. L. Hybrid seed corn production simple; isolation of fields prime necessity. *Sci. Farmer [Pa. Sta.]* 1951:3-4. June 1951. 100 P381

- 65114 BURKHART, B. A. Commercial brewing tests of Kindred, Montcalm, Moore and Wisconsin 38 barleys of the 1949 crop. Barley Impr. Conf. Rpt. 7:34-35. Jan. 23, 1951. 59.9 M583
- 65115 BUSSELL, F. P. The finest of the wheat. Rur. New-Yorker 101:443,445. July 21, 1951. 6 R88 Culture and varieties.
- 65116 CELIDONIO, C. Hybrid corn in Piedmont. (In Italian.) Gior. di Agr. 61:158. May 20, 1951. 16 It1G
- 65117 CHIAPPELLI, R. Germination of rice and the new season. (In Italian.) Riscicoltura 39:9-11. Jan. 1951. 59.8 G43
- 65118 CHIAPPELLI, R. A new variety, Strain 115. (In Italian.) Riscicoltura 38:295-296. Dec. 1950. 59.8 G43
- 65119 CLAVE, P. La culture du riz en France. Indus. Agr. et Aliment. 68:265-270. May/June 1951. 383 As7 English summary.
- 65120 COFFMAN, F. A., STEVENS, H., and HOLTON, C. S. Overland and Cody, two new short-strawed oats for the Northwest. Agron. J. 43:325-328. Ref. July 1951. 4 Am34P
- 65121 COMERIO, H. N. Comportamiento de variedades de sorgos graníferos. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:97. 1950. 60.9 P41
- 65122 DICKSON, A. D. Barleys grown in Mississippi Valley Nursery. Barley Impr. Conf. Rpt. 7:29-34. Jan. 23, 1951. 59.9 M583
- 65123 DOMINGUEZ V., R. Maíz híbrido. Café de El Salvador 21:191-193. Mar. 1951. 68.28 C112
- 65124 DU COURTIL, A. Prudents essais de germination du maïs. Vie à la Campagne 40:110-111. Mar. 1951. 80 V67
- 65125 DUMEIGE, A. L'amélioration de la culture des blés durs. B. Econ. et Social de la Tunisie 53:23-28. June 1951. 280.8 B874
- 65126 DUSSEL, F. G. Consideraciones sobre la introducción del maíz híbrido en la producción nacional. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:77-84. 1950. 59.9 P41 Includes discussion.
- 65127 FISCHER, G. J. Economía de la experimentación maicera. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:163-192. 1950. 59.9 P41 Includes discussion.
- 65128 FOKEEV, P. M. Spring wheat during irrigation of the Volga District. (In Russian.) Sovet. Agron. 9(3):19-31. Mar. 1951. 20 So84
- 65129 FORLANI, R. Experiments in cross-fertilization of wheat. (In Italian.) Genet. Agr. 2:233-246. Dec. 10, 1950. 450 G28 English summary.
- 65130 FRANCOLINI, J. DE. La culture du riz aux États-Unis. Terre Marocaine 25:179-181. June 1951. 24 T44
- 65131 GHEORGHIANOV, V. Ensayo comparativo de maíces argentinos y uruguayos. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:113-129. 1950. 59.9 P41 Includes discussion.
- 65132 GOBATO, C. Broomcorn. (In Portuguese.) Seleg. Agr. 6(61):30. May 1951. 9.2 Se4 Culture in Brazil.
- 65133 GRANDMOTTET, R. Le maïs. Culture 29:14-17. May/June 1951. 14 C894 Culture.
- 65134 GRIEBEN, H. L. G. Resultados de los ensayos comparativos con variedades e híbridos comerciales de maíz. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:91-111. 1950. 59.9 P41
- 65135 GRIFFITHS, R. L. Oat varieties. So. Austral. Dept. Agr. J. 54:371-376. Mar. 1951. 23 So84
- 65136 HICKS, O. C. New Brunswick seeks wealth through barley contest. Farmer's Advocate & Home Mag. 86(3398):6,36. May 10, 1951. 7 F22 National Barley Contest introduced by The Barley Improvement Institute.
- 65137 HORE, H. L., and others. Wheat crop championships, 1950, Wimmera, Mallee and Northern districts. Victoria. Dept. Agr. J. 49:145-151, 169-174. Apr. 1951. 23 V66J
- H. J. Sims, J. M. McCann, and H. C. H. Watson, joint authors.
- 65138 HUBER, L. L. Good roots, good corn. Sci. Farmer [Pa. Sta.] 1951:1-2. Mar. 1951. 100 P381
- 65139 IOWA CORN AND SMALL GRAIN GROWERS' ASSOCIATION. Iowa corn yield test, 1951. n.p., 1951. 4 p. 59.9 Io9
- 65140 KAVANAGH, L. R. The story of hybrid maize. Agr. Gaz. N. S. Wales 62:173-174, 179-181. (Concl.) Apr. 1951. 23 N472
- 65141 KENEASTER, K. Improvements in rice in the past ten years. Amer. Grocer 165(26):2-3. June 27, 1951. 286.83 Am32 Culture and processing.
- 65142 KIESELBACH, T. A. Progressive development and seasonal variations of the corn crop. Nebr. Agr. Expt. Sta. Res. B. 166, 49 p. Dec. 1950. 100 N27
- 65143 LÄHDE, V. Kevätviljojen satolaisuusteista. On the relative yields of oats, barley and spring wheat. Finland. Maatalouden Koetolminnan Keskusvaliokunta. Valtion Maatalouskoet. Tiedonantoja 224, 26 p. 1950. 20 F495T English summary.
- 65144 LAMBERT, J. W. Present status of barley varieties in Minnesota. Minn. Seed Grower 24:5-6. Feb. 1951. 61.8 M66
- 65145 LAUMONT, P. Observations sur le maïs hybride et l'intérêt de sa culture en Algérie. Rev. Agr. de l'Afrique du Nord 49:102-107. Feb. 9, 1951. 80 R326
- 65146 LEIBOFF, R. O. Comportamiento de sorgos graníferos en Guatrache. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:99-106. 1950. 60.9 P41 Includes discussion.
- 65147 LITZENBERGER, S. C., and BENSIN, B. M. Edda barley for Alaska. Alaska. Agr. Expt. Sta. C. 16, 10 p. Apr. 1951. 100 AL122E
- 65148 LITZENBERGER, S. C., and BENSIN, B. M. Golden Rain oats for Alaska. Alaska. Agr. Expt. Sta. C. 15, 9 p. Apr. 1951. 100 AL122E
- 65149 MANN, D. H. Artificial fog; helps Pocatello Valley farmers ward off frosts from the wheat fields. Idaho Farmer 69:543, 548-549. July 19, 1951. 6 G282
- 65150 MARBACH, W. Der anbau von sommerweizen. Grüne 79:244-247. Mar. 2, 1951. 17 Sch9
- 65151 MATULAC, P. M. Self-sufficiency in rice thru increased yield per unit area. Agr. & Indus. Life 13(4):13, 36. Apr. 1951. 25 Ag8 Philippines.
- 65152 MIDWEST BARLEY IMPROVEMENT ASSOCIATION. Report of barley improvement conference, January 23, 1951. Milwaukee, 1951. 48 p. 59.9 M583 Malt Research Institute cooperating.
- 65153 MONSARRO, F. B. Care with hybrid corn! (In Portuguese.) Seleg. Agr. 6(61):63-64, 68. May 1951. 9.2 Se4
- 65154 MUHR, G. R., and ROST, C. O. The effect of population and fertility on yields of sweet corn and field corn. Agron. J. 43:315-319. July 1951. 4 Am34P
- 65155 NEAL, N. P., STROMMEN, A. M., and APPLE, J. W. Wisconsin corn hybrids. Wis. Agr. Expt. Sta. B. 476, rev., 35 p. Jan. 1951. 100 W75 Pt. II, Corn insects, by J. W. Apple, p. 29-35.
- 65156 OLIVA, A. Lombardy premium cereals. (In Italian.) Humus 7(2):3-6. Feb. 1951. 16 H88
- 65157 OVESON, M. M. Wheat production in the Columbia Basin. Oreg. Dept. Agr. Agr. B. 170:25-28. June 1951. 2 Or3 Culture.
- 65158 PERGAMINO, ARGENTINE REPUBLIC. CENTRO REGIONAL PAMPEANO DE INVESTIGACIONES AGROPECUARIAS. Memoria de la quinta reunion de maíz, 27 y 28 de julio de 1950 en la Estación Experimental Pergamino. Pergamino, 1950. 213 p. 59.9 P41
- 65159 PFEIFFER, R. Ergebnisse der Admonter getreidesortenversuche für das österreichische zuchtbuch im anbaujahr 1949/50. Bundesanst. f. Alpine Landwirt. Versergeb. 9, 22 p. 1951. 19 Ad6V
- 65160 PIACCO, R. Strains of rice grown in Italy. (In Italian.) Riscicoltura 38:302-307; 39:13-21. (Cont.) Dec. 1950-Jan. 1951. 59.8 G43
- 65161 POPOW, G. Sorten- und anbaufragen im maissbau. Grüne 79:300-309. Mar. 16, 1951. 17 Sch9
- 65162 POZO, C. DEL. Cebadas trimesinas. España Agr. 1950:8-10. June 1950. 335.8 Es6
- 65163 POZO, C. DEL. Los trigos trimesinos. España Agr. 1950:3-4. Apr. 1950. 335.8 Es6
- 65164 PREGER, W. Rijst, der goden gift [Rice, the gift of the Gods]. 's-Gravenhage, 1950. 54 p. 59.24 P91 Indonesia.
- 65165 PUY, E. DE. Un nuevo tipo de maíz con grandes rendimientos y magnífica conservación. Mensajero Agr. 53/54:35. 1950. 9.8 M52
- 65166 QUISENBERRY, K. S. Cereal research in the United States. Barley Impr. Conf. Rpt. 7:36-48. Jan. 23, 1951. 59.9 M583

- 65167 ROSBACO, U. F. El material del maíz "amar-go" de la Estación Experimental Nacional de Tezanos Pinto. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:87-68. 1950. 59.3 P41
- 65169 ROSBACO, U. F. Variedades sintéticas. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:63-66. 1950. 59.9 P41
- 65169 ROSSI, J. C. Estudio fitotécnico de poblaciones regionales de maíz. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:49-52. 1950. 59.9 P41
- 65170 ROUNDS, W. T., and others. Rate, method, and date of planting corn. Mich. Agr. Expt. Sta. Q. B. 33: 372-387. May 1951. 100 M58S
- E. C. Rossman, W. Zurakowski, and E. E. Down, joint authors.
- 65171 SASKATCHEWAN CEREAL VARIETY COMMITTEE. Varieties of grain crops for Saskatchewan. Saskatoon? 1951. 7 p. 59.9 Sa742
- 65172 SASKATCHEWAN CO-OPERATIVE PRODUCERS. Junior co-operative variety tests; wheat, barley and crop comparison. Saskatoon, 1950. 61 p. 59.9 Sa74J
- 65173 SPENCER, J. R. Corn varieties and hybrids in southern New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1053,8 p. Apr. 1951. 100 N465
- 65174 SPERA, L. With the second crops, a kilo and half of grain per square meter. (In Italian.) Terra e Sole 1951:213-214. June 1951. 16 T273
- 65175 SVENSON, J. Mehr brot auf friedlichem wege! Müllerei 4:384-388. June 9, 1951. 298.8 M91
- Wheat and rye breeding and procurement of increased yields through improved soil management and reclamation in Germany.
- 65176 TAYLOR, J. W., and WHITE, J. W. The growing of buckwheat for rutin. U. S. D. A. Ybk. 1950/51:751-752. 1 Ag84Y
- 65177 THORPE, H. C. Sorghum for grain production. Kenya. Dept. Agr. Annu. Rev. 1950:1-3. 24 K423
- Culture and breeding.
- 65178 WAGNER, S., and ZWEIFEL, J. La nouvelle variété suisse de froment d'automne Probus. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 7:17-19. Mar. 1951. 17 J82A
- 65179 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Recommended Pacific Northwest wheat varieties. Pullman, 1951. 8 p. (P.N.W. Bulletin 4) 275.29 W27Pn
- The Agricultural Experiment Stations and Agricultural Extension Services of Idaho and Oregon cooperating.
- 65180 WELLHAUSEN, E. J. El maíz híbrido y su utilización en México. Tierra [México] 6:341-345, 362-364. June 1951. 8 T445
- 65181 WERNECK, H. L. Ur- und frühgeschichtliche rogenfunde in den Ostalpen und am Ostrand des Böhmerwaldes. Züchter 21:107-108. 1951. 442.8 Z8
- 65182 WIDDIFIELD, R. B. Certified seed supplies of approved varieties of malting barley in 7 Midwest States. Barley Impr. Conf. Rpt. 7:1-3. Jan. 23, 1951. 59.9 M583
- 65183 WIEBE, G. A. Barley variety tests, Upper Mississippi Valley Uniform Nurseries. Barley Impr. Conf. Rpt. 7:28-29. Jan. 23, 1951. 59.9 M583
- 65184 WHIDAKAS, W. Corn hybrid and variety performance. N. Dak. Agr. Expt. Sta. Bimon. B. 13:157-164. Mar./Apr. 1951. 100 N813B
- 65185 ZANINI, E. Development of grass crops in the land reform zones. (In Italian.) Agr. Ital. 2:149-159. Mar. 15, 1951. 16 Ag822
- Cereals and forage plants.
- Fiber Crops**
- 65186 BUTLER, E. Cotton is king in the Coastal Bend. Prog. Farmer, Tex. Ed. 66(7):16,82. July 1951. 6 T311
- 65187 CHAFFIN, W., and FLEMING, J. D. Cotton variety and fertilizer recommendations for Oklahoma. Okla. Agr. Col. Ext. C. 504,8 p. n.d. 275.29 Ok41C
- 65189 DELOYE, M. Le coton en Californie. Rev. Agr. de l'Afrique du Nord 49:123-124. Feb. 16, 1951. 80 R326
- 65189 DORASAMI, L. S., and IYENGAR, G. S. Acclimatisation of Egyptian cottons in Mysore. Indian Cotton Growing Rev. 5:1-13. Jan. 1951. 72.8 In23
- 65190 DROSDOFF, M., and PEARSON, R. W. Soil and leaf analysis in relation to abaca production in Central America. U. S. Bur. Plant Indus., Soils & Agr. Engin. Res. Rpt. 218,25 p. May 21, 1951. 1.965 S4R312
- 65191 ILTIS, J. Considérations generales sur la culture du coton aux États-Unis. Terre Marocaine 25: 145-148. May 1951. 24 T44
- 65192 MCMAHON, E. O. 1 4/5 bales-to-the-acre in 1950 wins Tarheel contest. Acco Press 29(3):17. Mar. 1951. 6 Ac2
- 65193 ROBINSON, R. W. Cotton production practices in the Limestone Valley areas of Alabama. Ala. Agr. Expt. Sta. C. 100,32 p. June 1951. 100 ALIS
- 65194 SLUSHER, M. W., and SCOGGINS, H. Cotton production practices in Arkansas. Ark. Agr. Expt. Sta. B. 507,91 p. Apr. 1951. 100 Ar42
- 65195 STROMAN, G. N. 1517C, a high yielding strain of 1517 cotton. N. Mex. Agr. Expt. Sta. Press B. 1049, 5 p. Jan. 1951. 100 N465
- Forage Crops and Grasses**
- 65196 AAMODT, O. S. Soil, climate, and use in choosing forage crops. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.427-430. Ames, 1951. 60 H87
- 65197 ABBOTT, J. B. Our experience with a grass-land farm. Hoard's Dairyman 96:465,480. June 10, 1951. 44.8 H65
- Vermont.
- 65199 ACCARDI, F. Pasture improvement in Sicily. (In Italian.) Humus 7(2):7-10. Feb. 1951. 16 H88
- 65199 AHLGREN, H. L. Hay and pasture seedings for the Central and Lake States. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.478-487. Ames, 1951. 60 H87
- 65200 AHLGREN, H. L., and SMITH, D. C. Meet summer pasture shortages with Sudan grass. Wis. Agr. Col. Ext. C. 399,4 p. May 1951. 275.29 W75C
- 65201 ARNOLD, B. L., and CROCKETT, S. P. Pearl millet good summer grazing crop. Miss. Farm Res. [Miss. Sta.] 14(5):1. May 1951. 100 M69M1
- 65202 ARNY, A. C. Emergency hay and pasture crops. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.587-592. Ref. Ames, 1951. 60 H87
- 65203 AVERY, H. G. Grass, meat and the Columbia Basin. Oreg. Dept. Agr. Agr. B. 170:11-13. June 1951. 2 Or3
- Grassland management.
- 65204 BAILEY, R. Y. The fescues. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.327-335. Ames, 1951. 60 H87
- 65205 BAKKER, T. J. Production control for grassland in England. (In Dutch.) Netherlands. Landbouwlichtingsdienst. Maandbl. 8:206-208. May 1951. 12 N383M
- 65206 BALMOS, D. Texas turns to legumes. Tex. Livestock J. 10(5):6,47. May 15, 1951. 49 T29
- 65207 BANDINI, M. Pasture cultivation in the South. (In Italian.) Gior. di Agr. 61:187-188. June 17, 1951. 16 It1G
- Italy.
- 65208 BECKMAN, H. J. The West's newest grazing frontiers. West. Livestock J. 29(38):44,77,79. June 15, 1951. 6 F2278
- Pasture management of reclaimed river bottom land in California.
- 65209 BENNETT, H. W. Dallisgrass, Bahiagrass, and Vaseygrass. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.309-316. Ref. Ames, 1951. 60 H87
- Paspalum dilatatum, P. notatum, and P. urvillei.
- 65210 BENNETT, H. W. Johnsongrass [Sorghum halepense] carpetgrass [Axonopus affinis], and other grasses for the humid South. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.358-378. Ref. Ames, 1951. 60 H87
- 65211 BIEBERDORF, G. A. Some observations on pollination of alfalfa hay. Okla. Acad. Sci. Proc. 30:49-51. 1949, pub. Apr. 1951. 500 Ok42
- 65212 BINDER, F. Lerne dein grünland kennen! Allgäuer Bauernbl. 19:337-338. June 21, 1951. 18 AL53
- 65213 BISSLAND, H. R. 12,000 acres sodded with improved grass. South. Livestock J. 10(12):16. July 1951. 43.8 F66A
- Florida.
- 65214 BLACKMORE, L. W. New methods of drilling pastures. New Zeal. J. Agr. 82:419,421. May 1951. 23 N48J
- 65215 BLEICHERT, H. VON. Erfolgreiche grünlandwirtschaft; grundsätze und anregungen für berater und bauern. Berlin, Parey, 1951. 176 p. 60.1 B612
- 65216 BODDY, H. What's new in grass and forage? West. Dairy J. 7(9):47-49. July 1951. 44.8 W524
- Culture.
- 65217 BOHART, G. E., and KNOWLTON, G. F. Alfalfa seed crops rest on bees. Utah Farmer 71:523,536. June 21, 1951. 6 D45

- 65218 BORDELEAU, R. Récolte et ensilage du maïs fourrager. Agriculture [Montreal] 8:90-92. Spring 1951. 7 Ag82
- 65219 BOTTAZZI, G. B. Typical plant of alfalfa (*Medicago sativa* L.). (In Italian.) Genet. Agr. 2:199-232. Ref. Dec.10,1950. 450 G28
English summary.
- 65220 BUCHLI, M. Heutiger stand der sortenfrage im futtergetreidebau. Grüne 79:269-279. Mar.9,1951. 17 Sch9
- 65221 BURTON, G. W. Bermuda-grass. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.298-308. Ames,1951. 60 H87
- 65222 BYWATER, T. L. The place of the ley in farming systems. Brit. Grassland Soc. J. 6:1-10. Ref. Mar. 1951. 60.19 B773
Includes discussion.
- 65223 CAROCCI-BUZI, V. Research on pastures. (In Italian.) Agr. Ital. 2:249-254. May 1/15,1951. 16 Ag822
- 65224 CARPENTER, F. R. What's the matter with grazing on national forests? Nation's Agr. 26(7):9-10. July/Aug.1951. 280.82 B89
- 65225 CARVAJALINO JÁCOME, J. Pastos kikuyo, Rhodes, dallis y gordura. Rev. Nac. de Agr. 44(552):17-20. Apr.1951. 9.4 R32
Pennisetum clandestinum, Chloris gayana, Paspalum dilatatum, and Melinis minutiflora.
- 65226 CORKILL, L. A comparison of methods of progeny testing for quantitative characters in ryegrass (*Lolium* sp.). New Zeal. J. Sci. & Technol. A Agr. Res. Sect. 32(3):35-44. Oct.1950. 514 N48A
- 65227 CHOHLIS, J. Summer slump in range beef can be licked on dry land with non-irrigated, supplemental alfalfa-grass pastures in areas with at least 12 inches of rain. Utah Farmer 71:581,607. July 19,1951. 6 D45
Range management.
- 65228 CORNS, W. G., and COPPER, G. S. Pre-harvest chemical top-killing of legume seed crops. I. Preliminary studies with petroleum oils, oil emulsions and mixtures of oils with potassium cyanate. Sci. Agr. 31:269-273. June 1951. 7 Sci2
- 65229 COSSETTE, M. L'avenir est aux herbages. B. des Agr. 47(6):20-21,54. June 1951. 7 B872
Canada.
- 65230 DAVIES, W. Lessons from American grasslands. Brit. Grassland Soc. J. 6:11-17. Mar.1951. 60.19 B773
- 65231 DAVIS, R. L., and YOUNG, W. C. Kudzu-23—a new fine-textured variety. Soil Conserv. 16:279-280. July 1951. 1.6 So3S
- 65232 DEHART, P. H. Pasturage is the cheapest feed. South. Planter 112(7):6,14. July 1951. 6 So89
Pasture management.
- 65233 DODD, D. R. Rotation pastures. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.606-616. Ref. Ames,1951. 60 H87
- 65234 DORAN, C. W. Reseeding trials in a sagebrush-pinyon-juniper area in western Colorado. U. S. Forest Serv. Rocky Mountain Forest & Range Expt. Sta. Res. Note. 9.3 p. Mar.1951. 1.9622 R2R313
Chiefly grass varieties used.
- 65235 DORCHESTER, C. S. Rape, kale, and similar forages. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.418-423. Ref. Ames,1951. 60 H87
- 65236 DUDLEY, D. I. Cool season grasses can fill profit-killing forage gap. South. Seedsman 14(7):21,41, 58-59,63. July 1951. 61.8 So8
- 65237 DYKSTERHUIS, E. J. Grass—its place in conservation farming. Lincoln, U. S. Soil Conserv. Serv., 1950. 5 p. 1.9607 D99
Address at the annual meeting of the North Dakota Association of Soil Conservation District Supervisors at Bismarck, Nov. 28-29, 1950.
- 65238 EDWARDS, D. C. Pasture plants for ley establishment in mixed farming. Kenya. Dept. Agr. Annu. Rev. 1950:16-19. 24 K423
- 65239 ELLINGTON, E. V., and HENNEY, H. J. Summary of survey on grassland farming in Western region States. Wash. State Col. Ext. Mimeog. 1079,20 p. Ref. June 1951. 275.29 W27Mi
- 65240 EVANS, M. W. Timothy. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.279-286. Ref. Ames,1951. 60 H87
- 65241 FERGUS, E. N. The bluegrasses. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.258-268. Ref. Ames,1951. 60 H87
- 65242 FLORY, D. Use of bluestem pasture. Kan. Agr. Student 27(4):4. May 1951. 276.8 K13
- 65243 GRABER, L. F., and SMITH, D. Alfalfa helps to safeguard feed production in Wisconsin. Wis. Agr. Col. Ext. C. 393,14 p. Mar.1951. 275.29 W75C
- 65244 GROSSE, A. New kafir okay. Kan. Agr. Student 27(4):22,28. May 1951. 276.8 K13
- 65245 GROVES, W. F. The miracle of grass. Hoard's Dairyman 96:513,515. June 25,1951. 44.8 H65
- 65246 GYNN, G. Lucerne for grazing. Farmer & Stock-Breeder 65(3216):37. June 12,1951. 10 F228
Management of alfalfa in Berkshire.
- 65247 HAFENRICHTER, A. L. Hay and pasture seedings for Pacific Coast States. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.517-531. Ref. Ames,1951. 60 H87
- 65248 HAMILTON, R. A. Good grassland, the mainstay of the stock farm. Yorkshire Agr. Soc. J. 102:23-37. 1951. 10 Y7
- 65249 HANSSON, Y., CRONSTEDT, A. F., and SÖDERSTEN, A. How do your hay fields look? (In Swedish.) Lantmannen 35:520. June 30,1951. 11 L234
- 65250 HARLAN, J. R. There is a pasture made to order for your part of Oklahoma. Farmer-Stockman 54(6):12. June 1951. 6 Ok45
- 65251 HARRISON, C. M. A double reward if you cut hay early. Hoard's Dairyman 96:470. June 10,1951. 44.8 H65
- 65252 HEATH, M. E., and HUGHES, H. D. Reed canarygrass. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.317-326. Ref. Ames,1951. 50 H87
- 65253 HEATH, M. E. What is grassland farming? In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.16-26. Ref. Ames,1951. 60 H87
- 65254 HEIN, M. A. Permanent pastures. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.593-605. Ref. Ames,1951. 60 H87
- 65255 HELM, C. A. Lespedeza. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.190-205. Ref. Ames,1951. 60 H87
- 65256 HENDERSON, G. R. Rumuruti grazing trials. Kenya. Dept. Agr. Annu. Rev. 1950:19-22. 24 K423
- 65257 HENRICI, M. The effect of cutting and grazing on *Pentzia incana* under different systems of veld management. Union So. Africa. Dept. Agr. Sci. B. 292,31 p. 1951. 24 So84S
- 65258 HERING, G. Grünlandfahrt durchs Allgäu. Allgäuer Bauernbl. 19:341-342. June 21,1951. 18 AL53
- 65259 HODGSON, R. E. Forages for dairy cattle. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.639-652. Ref. Ames,1951. 60 H87
- 65260 HODSON, E. A. Grassland farming in Arkansas. Soil Conserv. 16:267-269. July 1951. 1.6 So3S
- 65261 HOFF, G. Good cultural practices are key to high alfalfa seed production. N. Mex. Agr. Col. Ext. News 31(4):4. Apr.1951. 275.29 N463Ex
- 65262 HOLLOWELL, E. A. Crimson clover. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.206-214. Ref. Ames,1951. 60 H87
- 65263 HOLLOWELL, E. A. Ladino and other white clovers. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.180-189. Ref. Ames,1951. 60 H87
- 65264 HOLLOWELL, E. A. Legume and grass seed production. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.101-112. Ames,1951. 60 H87
- 65265 HOLT, E. C., POTTS, R. C., and FUDGE, J. F. Bermudagrass [*Cynodon dactylon*] research in Texas. Tex. Agr. Expt. Sta. C. 129,25 p. Apr.1951. 100 T31S
- 65266 HUGHES, H. D., and MACDONALD, H. A. Birdsfoot trefoil. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.215-233. Ames,1951. 60 H87
- 65267 HUGHES, H. D. Forages in our advancing civilization. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.3-14. Ames,1951. 60 H87
- 65268 HUGHES, H. D., HEATH, M. E., and METCALFE, D. S., eds. Forages; the science of grassland agriculture. Ames,Iowa State Col. Press,1951. 724 p. 60 H87
- 65269 JOHNSON, I. J. Forage crop breeding. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.113-129. Ref. Ames,1951. 60 H87
- 65270 KEIM, F. D., and NEWELL, L. C. Hay and pasture seedlings for Northern Great Plains and Intermountain States. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.498-509. Ref. Ames,1951. 60 H87

- 65271 KIRSTE, A. Der vorfruchtwert des klee. Deut. Landwirt. Presse 74:149. June 2, 1951. 18 D482
- 65272 KÖNIG, G. Was muss bei der festlegung von aussaatmengen bei futterpflanzen beachtet werden? Saatgut-Wirt. 3:34-35. (Concl.) Feb. 1951. 61.8 Sal
- 65273 LEHMANN, U. Ist grassamenanbau wirtschaftlich? Deut. Landwirt. Presse 74:90-91. (Concl.) Apr. 7, 1951. 18 D482
Culture and yields.
- 65274 LEIBOFF, R. O., and IBAR, J. B. Comportamiento de forrajeras anuales de verano en Guatrache. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:111-121. 1950. 60.9 P41
Includes discussion.
- 65275 LESPERANCE, R. L'organisation des pâturages. Terre de Chez Nous 23(13):6-7, 16. May 23, 1951. 7 T27
Quebec.
- 65276 LESPERANCE, R. La rénovation des vieux pâturages. Terre de Chez Nous 23(12):8. May 16, 1951. 7 T27
- 65277 LEVY, E. B. Grassland farming in the United Kingdom. Massey Agr. Col. Sheepfarming Annu. 3:93-109. Nov. 1950. 45.9 M388
- 65278 MCKEE, C. Wheatgrasses. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.348-357. Ref. Ames, 1951. 60 H87
- 65279 MCKEE, R. Other legumes. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.242-257. Ref. Ames, 1951. 60 H87
- 65280 MCKEE, R. The vetches. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.234-241. Ames, 1951. 60 H87
- 65281 MCVICKAR, M. H. Farming goes into high gear; no crop responds better to fertilizer than the sod crop; the potentialities of grass become strikingly impressive as our population mounts and people demand more and better food. Shorthorn World 36(8):5. June 25, 1951. 43.8 Sh8
- 65282 MALIK, H. C. Potentialities of Japan rape as forage in the Punjab. Indian Farming 11:333-335. Aug. 1950. 22 In283
- 65283 MANGUM, M. Harry Capps of Walsenburg. Soil Conserv. 16:276-278. July 1951. 1.6 So3S
Range-land management in Colorado.
- 65284 MARKOVA, S. I. Spring planting of the narrow-leaf lupine. (In Russian.) Sovet. Agron. 9(3):73-83. Mar. 1951. 20 So84
- 65285 MARTILOTTI, E. La tuna sin espinas como forraje de invierno en la zona semiárida de Santiago del Estero y otras provincias. Res 19:25960. May 20, 1951. 286.85 R31
- 65286 MELROY, A. Idaho dairymen want profit making pastures. Kraftsman, Prod. Ed. 9(3):17N. May/June 1951. 44.8 K85
Management.
- 65287 MIERS, W. T. La utilización racional de las plantas forrajeras; método para la renovación de praderas permanentes. Uruguay. Min. de Ganad. y Agr. B. Inform. 8(370):8-9; (371):15, 14. May 10-17, 1951. 9.9 G15B
- 65288 MOE, G. G. Rhizoma—the new alfalfa. Butterfat [Vancouver] 29(4):2-3. July 1951. 44.8 B98
- 65289 MUSSER, H. B. Merton—a new bluegrass. Sci. Farmer [Pa. Sta.] 1951:1, 6. June 1951. 100 P381
- 65290 MYERS, W. M. Orchardgrass. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.287-297. Ref. Ames, 1951. 60 H87
- 65291 NEUMEISTER, F. Die allgäuer "kräuterweide" als neuanlage? Allgäuer Bauernbl. 19:297-298. May 31, 1951. 18 AL53
- 65292 NIESER, O. Schwedische rotkleearten. Saatgut-Wirt. 3:39. Feb. 1951. 61.8 Sal
- 65293 THE 1951 GRASSLANDS programs; what it means to the industry, to agriculture and the national defense. Amer. Fert. & Allied Chem. 114(6):15, 17, 19. June 1951. 57.8 Am3
Defense, by C. E. Wilson; Grass against communism, by C. F. Brannan; Grass is good business, by W. B. Garver; Help from fertilizers, by R. Coleman; Grasses need plant food, by P. T. Truitt; and Pest-control for grasslands, by C. D. Leiter.
- 65294 OMAN, H. F., and STARK, R. H. Grass seed production on irrigated land. U. S. D. A. L. 300, 8 p. May 1951. 1 Ag84L
- 65295 PANDA, J. N. Development of pasture for livestock production and soil conservation. Indian Farming 11:321-324. Aug. 1950. 22 In283
- 65296 PLATH, C. V. Cost guides for range reseeding. Oreg. Agr. Expt. Sta. C. Inform. 497, 14 p. June 1951. 100 Or3C
- 65297 PORTER, K. B., and WHITFIELD, C. J. Sorghum varieties for the hard lands of the Texas Panhandle. Tex. Livestock J. 10(4):54. Apr. 1951. 49 T29
- 65298 POTTER, L. D. Comparative seedling characteristics of standard crested wheatgrass [Agropyron cristatum] and Russian wild-rye [Elymus junceus]. Bot. Gaz. 112:349-365. Ref. June 1951. 450 B652
- 65299 POTTS, R. C. Hay and pasture seedings for the Southern Great Plains. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.510-516. Ames, 1951. 60 H87
- 65300 POTTS, R. C., and others. Renovation and fertilization of established stands of King Ranch bluestem [Andropogon ischaemum]. Tex. Agr. Expt. Sta. Prog. Rpt. 1371, 3 p. May 18, 1951. 100 T31P
L. Reyes, E. M. Neal, L. C. Kapp, and R. A. Hall, joint authors.
- 65301 POWELL, T. Your stake in "the rise of grass." Crg. Farmer 2(12):28-30. July 1951. 57.8 Or3
- 65302 QUINBY, J. R., and KAPER, R. E. Sorghums for forage. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.400-411. Ref. Ames, 1951. 60 H87
- 65303 RAYMOND, L. C. What our forage crops need. Macdonald Col. J. 11(8):2-4. Apr. 1951. 101 M144
Culture and preservation of forage plants and pasture management.
- 65304 RILEY, K. P. Why grass? Inst. Corn & Agr. Merchants. J. 3:18-21. Spring 1951. 10 In7
The contribution of grass to British economy.
- 65305 ROBINSON, G. S. Swede varieties. Massey Agr. Col. Sheepfarming Annu. 3:142-146. Nov. 1950. 45.9 M388
Includes discussion.
Forage plants, New Zealand.
- 65306 RONDE, F. DE. What is the yield of grasslands on the Zealand Islands? (In Dutch.) Zeeuwisch Landtbl. 39(2073):6-7. June 2, 1951. 12 Z2
- 65307 ROSS, J. G. Homesteader bromegrass. S. Dak. Farm & Home Res. [S. Dak. Sta.] 2:25-27. Winter 1951. 100 So82S
- 65308 RUPP, E. Missouri's pasture renovation sets example for Nation. Mo. Rur. 92(12):4-5, 11. June 23, 1951. 6 H8891
- 65309 RUSSELL, M. More cows per acre; ranchers believe forest range carrying capacity can be increased 10 to 15 times. Colo. Rancher & Farmer 5(11):1, 6. June 9, 1951. 6 C714
- 65310 SAINT-QUENTIN, M. Faut-il cultiver du trèfle d'Alexandrie? Rustica 24:623. July 8, 1951. 14 R92
- 65311 SAVAGE, D. A. Range pasture. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.617-630. Ref. Ames, 1951. 60 H87
- 65312 SCHIEBLICH, J. Beitrag zur züchtung von esparsette (Onobrychis viciaefolia Scop.). Züchter 21:132-136. 1951. 442.8 Z8
- 65313 SEMPLE, A. T. Nuevos rumbos y problemas en la administración de los llanos. (Condensed.) Hacienda 46(7):38-39, 72. July 1951. 6 H11
- 65314 SEMPLE, A. T., and PENDLETON, R. L. Woody legumes for the poor soils of humid equatorial lowlands. Indian Farming 11:223-225. June 1950. 22 In283
Leucaena glauca and Sesbania grandiflora as fodder plants.
- 65315 SHACKLADY, C. A., and NEWBOUND, P. Preliminary investigations on ley cropping for large-scale green-crop drying. Brit. Grassland Soc. J. 6:19-28. Mar. 1951. 60.19 B773
- 65316 SHEEHY, E. J. Bare fields and hungry cattle. Agr. Ireland 8:124-125, 127. June 1951. 10.5 Ag8
Grassland management.
- 65317 SHER, B. L. The rationing of grass mixtures in Kiev Oblast'. (In Russian.) Selekt. i Semenovod. 1951:52-56. Jan. 1951. 61.9 Se5
- 65318 SMITH, W. K. Sweetclover. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.166-179. Ref. Ames, 1951. 60 H87
- 65319 SNOW, B. V., and ISLEY, F. E. —and green grass grows all around! Dairymen's League News 35(13):3, 15. June 26, 1951. 44.8 D1432
Pasture management.
- 65320 SPECIALE, J. A good forage technique. (In Italian.) Lotte Contadine 2(2):5. Jan. 20/Feb. 5, 1951. 16 L91
Pasture management.

- 65321 SPENCER, A. T. Grassland improvement. Natl. Wool Grower 41(7):18-19, 30. July 1951. 45.8 N21N
- 65322 SPRAGUE, V. G. Hay and pasture seedings for the Northeast. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.466-477. Ref. Ames, 1951. 60 H87
- 65323 STORRAR, A., and HENDERSON, G. R. Notes on investigational work on pastures in the Nakuru District and at Ol Joro Orok Experimental Station. Kenya. Dept. Agr. Annu. Rev. 1950:26-30. 24 K423
- 65324 STURKIE, D. G. Hay and pasture seedings for the humid South. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.488-497. Ames, 1951. 60 H87
- 65325 SUCKLING, F. E. T. Strike of oversown grass and clover seed on hill pastures. New Zeal. J. Sci. & Technol. A. Agr. Res. Sect. 32(2):1-9. Aug. 1950. 514 N48A
- 65326 TENNANT, J. L. Economics of grassland improvement. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:67-71. 252.004 N443M
Includes discussion by B. D. Crossmon.
- 65327 THOMPSON, W. R. An improved pasture on every farm. Gulf Coast Cattleman 17(5):17-18. July 1951. 43.8 G95
- 65328 THOMPSON, W. R. Start winter pasture work now. Prog. Farmer, Miss.-Ark.-La. Ed. 66(7):15. July 1951. 6 So81
- 65329 THOMPSON, W. R. Year 'round program provides grazing for every season. South. Seedsman 14(7):20, 45, 61. July 1951. 61.8 So8
- 65330 TIVER, N. S., and CROCKER, R. L. The grasslands of south-east South Australia in relation to climate, soils and developmental history. Brit. Grassland Soc. J. 6:29-80. Ref. Mar. 1951. 60.19 B773
- 65331 TOME, G. A. Verdeos invernales; ventajas de su siembra temprana. Bolsa de Com., Rosario. Rev. 39 (942):5-7. Apr. 15, 1951. 287 R71
- 65332 TOMPKINS, G. P. A new grass—buffelgrass. Tex. Livestock J. 10(4):7. Apr. 1951. 49 T29
- 65333 TRABAUER, F. Die erträge der almen und weiden können und müssen gesteigert werden. Landwirtschaft 1951:170-172. May 1951. 19 L235
Austria.
- 65334 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. 1950 report of the Uniform Alfalfa Nurseries, conducted cooperatively with the various State and Federal agricultural experiment stations in the United States and Canada represented in the Alfalfa Improvement Conference, by O. S. Aamodt. Beltsville, Md., 1950. 184 p. 1.9 P691Rep
- 65335 U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Pine forest ranges in Louisiana, by J. T. Cassady and R. S. Campbell. New Orleans, 1951. 7 p. 1.9622 S2P65
- 65336 VAN CLUTE, J. The cornfield pea. Org. Farmer 2(12):45-48. July 1951. 57.8 Or3
Cowpeas.
- 65337 WALRATH, E. K., and PLATE, H. Ryegrass pays well on silage corn land—its fertility value is three times seed cost. East. States Coop. 27(7):10-11. July 1951. 280.28 Ea7
- 65338 WILLARD, C. J. Establishment of new seedings. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.431-447. Ref. Ames, 1951. 60 H87
- 65339 WILLIAMS, S. S. The effect of microclimate on the establishment of timothy (*Phleum pratense*). Ann. Appl. Biol. 38:547-549. June 1951. 442.8 An72
- 65340 WILLIAMS, W. K. Protect hardwood stands from grazing. U. S. D. A. L. 86, rev., 8 p. 1951. 1 Ag84L
- 65341 WILSIE, C. P. Red clover and alsike clover. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.154-165. Ref. Ames, 1951. 60 H87
- 65342 WILSIE, C. P. Red clover varieties for Iowa. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:185-187. June 1951. 275.28 Io94
- 65343 WOLFF, S. E. Harvesting and cleaning grass and legume seed in the Western Gulf Region. U. S. D. A. Agr. Handb. 24, 106 p. June 1951. 1 Ag84Ah
Enlargement of Agronomy Memorandum 56, U. S. Soil Conservation Service, Western Gulf Region.
- 65344 WORZELLA, W. W. Millets and Kochia. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.412-417. Ames, 1951. 60 H87
- 65345 ZILLICH, R. Almwirtschaftliche Organisationen nach dem 2. weltkriege. (Wiederbeginn internationaler zusammenarbeit in Mitteleuropa). Bodenkultur 5:107-110. 1951. 19 B635
- 65346 ZÜRN, F. Die bewirtschaftung des grünlandes im alpen- und voralpengebiet. Landwirt. Jahrb. f. Bayern 28(spec.no.):89-101. Apr. 1951. 18 L24
- 65347 ZÜRN, F. Luzernebau in alpinen lagen. Kärntner Bauer 101:324-326. June 15, 1951. 19 K14
- 65348 ZÜRN, F. Luzernebau in feuchtgebieten. Deut. Landwirt. Presse 74:149-150. June 2, 1951. 18 D482
- 65349 ZÜRN, F. Neueste forschungsergebnisse der grünlandwirtschaft in Österreich. Bodenkultur 5:43-56. 1951. 19 B635
- 65350 ZÜRN, F. Zur verbesserung der pflanzenbestände auf den almen. Z. f. Pflanzenbau u. Pflanzenschutz 1:193-211. Ref. Dec. 1950. 464.8 P88

Oil Crops

- 65351 BAILEY, W. K. Virginia type peanuts in Georgia. Ga. Agr. Expt. Sta. B. 267, 22 p. Mar. 1951. 100 G29S
- 65352 BLANCHARD, M. Le soja—son intérêt—ses possibilités culturales en Algérie. Soc. des Agr. d'Algérie. B. 94:107-118. 1950/51. 24 So1
- 65353 BORIS, H. Les rendements de l'arachide au Sénégal. Oléagineux 6:389-394. July 1951. 77.8 OL2
English summary, p. 433.
- 65354 GRENAS-GOODING, L. Mil colonos por hectárea se le saca a la higuera. Rev. de Agr. [San José] 23:111. Apr. 1951. 8 Es1
Culture in Costa Rica.
- 65355 HURWITZ, S., and GOLDIN, E. Introduction of soybean into Israel and its problems. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. B. 56:42-76. Ref. Dec. 1950. 107 Z6
- 65356 LAUMONT, P., and BLANCHARD, M. Conseils pratiques sur la culture du soja en Algérie. Rev. Agr. de l'Afrique du Nord 49:143-145. Feb. 23, 1951. 80 R326
- 65357 LEHMANN, U. Überlegungen zum winteröl-fruchtanbau. Landwirtbl. Weser-Ems 98:566-567. June 28, 1951. 18 L2345
- 65358 PERSSON, A. R. The soybean—the gold of the soil. (In Norwegian.) Norsk Hagetid. 67:110-113. June 1, 1951. 80 N81
- 65359 WEIBEL, R. O. Sunflowers as a seed and oil crop for Illinois. Ill. Agr. Col. Ext. C. 681, 16 p. May 1951. 275.29 IL62C

Sugar Crops

- 65360 ARCENEUX, G. The Louisiana sugarcane variety census for 1951. Sugar B. 29:316-318. July 15, 1951. 65.9 Am32
- 65361 BHAT, N. R. Do improved sugarcane varieties deteriorate? Poona Agr. Col. Mag. 41:296-299. Feb. 1951. 22 P79
- 65362 CHANG, H. Interplanting of sugarcane to spring paddy rice. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 6:14-41. Dec. 1950. 65.9 F76R
English summary.
- 65363 CHOW, N. P. A discussion on the economic value of the system of autumn and spring planting and ratooning of sugar cane in Taiwan. (In Chinese.) Taiwan Sugar J. Q. 3(2):74-101. Mar. 1951. 65.8 T13
English summary.
- 65364 DUTT, N. L., and RAO, K. S. S. On the so-called "deterioration" in sugarcane varieties. (Abs.) Indian Sci. Cong. Proc. 36(3):192-193. 513 In22
- 65365 ERDMANN, K. Verfahren zur erzielung von samenträgern der Beta-rübe im ersten vegetationsjahr mit hilfe von kältebehandlung. 2. Züchter 21:110-115. 1951. 442.8 Z8
- 65366 FORS, A. L. La meteorología y el cultivo de la caña. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 10: 93-95. May 1951. 65.9 As5B
- 65367 GREAT WESTERN SUGAR CO. How to grow sugar beets. Through Leaves 1950/51 (spec.ed.), 158 p. Nov. 1950/Feb. 1951. 66.8 T41
- 65368 HUGHES, C. G. The international technologists meet in Brisbane. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:98-102. Jan. 1, 1951. 65.9 Q3C
Seventh Congress of the International Society of Sugar Cane Technologists.
- 65369 HYLAND, M. L. The advantages of sowing beet on the flat. Beet Grower 5:42-46. Apr. 1951. 66.8 B392
- 65370 JÄHNLE, G. Ergebnisse der rübenversuche des jahres 1950. Bundesanst. f. Alpine Landwirt. Versergeb. 11, 37 p. 1951. 19 Ad6V
Research on sugar and fodder beets.
- 65371 KAMPE, R. Klima, witterung und rübenanbau. Zucker 4:69-72. Feb. 15, 1951. 65.8 Z82

- 65372 KING, N. J. The cultivated and wild canes of New Guinea. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:116-119. Jan.1,1951. 65.9 Q3C
- 65373 KING, N. J. Varietal deterioration in Queensland. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:122-126. Jan.1,1951. 65.9 Q3C
- 65374 LOH, C. S. Sugar cane breeding in Taiwan. Sugar 46(7):41-42. July 1951. 65.8 F11
- 65375 MARTIN-LEAKE, H. Some aspects of sugar-cane cultivation in India. Sugar Technol. Assoc. India. Proc. 19:73-76. 1950. 65.9 Su33P
- 65376 MENDIOLA, N. B. Improvement of our cane varieties. Sugar News [Manila] 26:409-410. Aug.1950. 65.8 Su36
- 65377 MULLALLY, M. J. The seed bed and manner of sowing; influence on germination of beet seedlings. Beet Grower 5:38-41. Apr.1951. 66.8 B392
- 65378 MYATT, O. W. D. Q.55 in the Bundaberg Area. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:111-112. Jan.1,1951. 65.9 Q3C
- 65379 OLIVEROS, S. B. The sugar cane farmer in a changing world. Sugar News [Manila] 26:284-286. June 1950. 65.8 Su36
- 65380 OSTENFELD, H. B. Chromosome-doubled Danish sugar beets. Sugar 46(7):39-40. July 1951. 65.8 F11
- 65381 OVADIA, J. Une plante exotique aux multiples utilisations: la canne à sucre "Saccharum officinarum L." Égypte Agr. 49:63-70. Mar./Apr.1951. 24 Un32
- Sugarcane culture and the sugar manufacturing industry.
- 65382 PRADO, D. Pointers in sugar cane culture. Plowman 7(4):77-78. Apr.1951. 276.8 P72
- 65383 RAPIN, J. Sur les facteurs influençant la teneur en sucre de la betterave sucrière. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 7:41-42. June 1951. 17 J82A
- Cultural and varietal factors.
- 65384 SHEN, I. S., and LIN, T. S. Some critical periods of climate test of P.O.J. 3016 in the southern part of Taiwan. (In Chinese.) J. Sugarcane Res. 4:229-239. Aug.1950. 65.8 J822
- English summary.
- 65385 SINGH, T. C. N. A new method of cane plantation in the water-logged area of the Rajshahi District during monsoon. (Abs.) Indian Sci. Cong. Proc. 36(3): 192. 1949. 513 In22
- 65386 STOKES, I. E., and others. New sugar cane variety released after four years of testing in Mississippi Miss. Farm Res. [Miss. Sta.] 14(4):1,8. 100 M69Mi
- T. E. Ashley, R. Kuykendall, and B. C. Hurt, joint authors.
- 65387 TOLMAN, B. Planning for your 1951 sugar beet crop. U. & I Cult. 11:2-3,16. Mar.1951. 66.8 U12
- 65388 VANDENPLAS, A. Comparaison des températures minima sous abri et des températures minima au voisinage immédiat du sol en vue de la prévision des gelées au sol pendant la période de la récolte des betteraves sucrières. Inst. Belge pour l'Amélior. de la Betterave. P. 18:159-177. Sept./Oct.1950. 66.9 In7
- English summary.

Tobacco

- 65389 ANDERSON, P. J. Improvement now in Connecticut fields guarantees good cigar leaf in factories. Tobacco [New York] 132(26):10-11,37. June 28,1951. 286.89 T552
- 65390 KADAM, B. S. Tobacco research in India. Indian Tobacco 1:33-35. Jan./Mar.1951. 69.8 In2
- 65391 MILTON, R. H. Tobacco, yesterday, today and tomorrow. Ky. Farmer 87(6):4. June 1951. 6 F2237
- Tobacco culture.
- 65392 PEENS, J. F. Tobacco varieties, seed supply and seed selection. Farming So. Africa 26:133-134. Apr.1951. 24 So842
- 65393 SINGH, D. India's own tobacco. Indian Tobacco 1:15-17. Jan./Mar.1951. 69.8 In2

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

- 65394 ANDERSON, E. P. My garden in the sun. My Gard. 42:239-242. Mar.1951. 80 M995
- 65395 BREVIOLIERI, N. From the Flower Show of Sanremo to the early fruit and vegetables at Albenga. (In Italian.) Riv. della Ortoflorofrutticoltura. Ital. 35:126-140. May/June 1951. 86 R22

- 65396 COLLINS, P. The simple facts of pruning. Garden 55(2):45-50. Apr.1951. 80 G1632
- 65397 ELEY, G. And here is Mr. Streeter. With practical gardening advice by Fred Streeter, the 'Radio Gardener'. London, Lockwood, 1950. 179 p. 120 St82
- 65398 FAULKNER, R. P. Simple gardening. London, Collingridge, 1950. 160 p. 90.3 F27
- 65399 FILLMORE, R. H. Making summer-wood cuttings. Horticulture 29:251,264. July 1951. 80 H787
- 65400 GROOTE, R. DE. La vermiculite dans la culture des plantes horticoles. B. Hort. (n.s.):6:103-106. Apr.1,1951. 80 B873
- 65401 GROSZMANN, H. M. Strain variability in cultivated crops. Queensland Prod. 32(39):18. Mar.28, 1951. 23 Q35
- 65402 HUDSON, C. J. Hudson's garden scrapbook. 1950-51 ed. Atlanta, Twentieth Century Enterp., 1951. 96 p. 90.1 H86
- Reprints of articles appearing originally in the Atlanta Journal.
- 65403 HUEY, R. G. D. S. Pradhan, hybridizer and nurseryman of India. Dahlia 20:3-4. Spring 1951. 80 D133
- 65404 JENNINGS, O. M. Start your flowers and vegetables indoors; all you need are seeds and a sunny window. Garden 55(2):54-55. Apr.1951. 80 G1632
- 65405 KEUL, M. R. Beauty with utility. Green Thumb [Denver] 8(4):28-29. Apr.1951. 80 G82
- Garden planning.
- 65406 LOY, K. Erfahrungen mit veredlungswachs in Oesterreich. Deut. Baumsch. 3:64-67. Mar.1951. 80 D486
- 65407 MATHIEU, T. F. Methods and practices of moving small trees. Arborist's News 16:21-25. Mar. 1951. 99.8 Ar14
- 65408 MELLO, A. T. DE. The home garden. (In Portuguese.) Seleç. Agr. 6(61):43-44. May 1951. 9.2 Se4
- 65409 MERFIELD, A. G. Effect of breakages in cloche growing. Orchardist New Zeal. 24(3):11-13. Apr.5,1951. 80 Or19
- 65410 MEWISSEN, F. C'est maintenant que les châssis paient l'intérêt le plus élevé! B. Hort. (n.s.):6:76-79. Mar.1,1951. 80 B873
- 65411 MONIN, A. A propos des gelées printanières. B. Hort. (n.s.):6:67-70. Mar.1,1951. 80 B873
- 65412 MULHOLLAND, W. B. Growing plants in containers. Amer. Nurseryman 94:27-28,131-135. July 15, 1951. 80 Am371
- 65413 NEW HAMPSHIRE HORTICULTURAL SOCIETY. Report of the 57th annual meeting. N. H. Hort. Soc. J. 14,149 p. 1951. 81 N452J
- 65414 PAGESCH, E. Wie verschickt man grosse bäume? Gart.-Z. Illus. Flora 74:33. Mar.1951. 80 G1991
- 65415 PREST, R. L. Seedling and seed-bed management. Queensland Prod. 32(36):18. Mar.7,1951. 23 Q35
- 65416 RAYMOND, C. B. Summer care of the garden. N. Y. Agr. Col. Cornell Ext. B. 832,16 p. June 1951. 275.29 N48E
- 65417 REINHOLD, J. Der garten wie er sein soll; handbuch des kleingartenbaues. Berlin, Deutscher Bauernverlag, 1950. 456 p. 90.1 R27
- 65418 ROTNEBERG, P. Instruction in gardening. (In Norwegian.) Gartneryrket 41:426-427. June 9,1951. 80 G1938
- 65419 SCHMIDT-THEILE, M. Das grüne gartenbuch, ein gartenbuch für jedermann. Berlin, Landbau-Verlag, 1950. 215 p. 90.3 Sch5
- 65420 SHEWELL-COPPER, W. E. Taking summer cuttings; little equipment is needed, but one cannot hope for results unless one sticks closely to the rules. Field 198:33. July 7,1951. 10 F45
- 65421 THIES, W. H. A Yankee looks at German horticulture. N. H. Hort. Soc. J. 14:60-64. 1951. 81 N452J
- 65422 THÜRING, F. R. Die wichtigsten veredlungsarten und ihre anwendung. Leipzig, Hachmeister & Thal, 1950? 48 p. (Lehrmeister-Bücherei, 244) 90.11 T42
- 65423 VADE, S. Méthodes de lutte active contre la gelée blanche. Vie à la Campagne 40:98-100. Mar.1951. 80 V67
- 65424 WASHINGTON STATE HORTICULTURAL ASSOCIATION. Proceedings of the forty-sixth annual meeting, December 4, 5, 6, and 7, 1950. Yakima, 1950. 310 p. 81 W273
- 65425 WELLS, J. S. Pointers on propagation. Amer. Nurseryman 94:29. July 15,1951. 80 Am371
- 65426 WENDT, E. Beregnung als frostschutzmassnahme; die geringstmögliche wasser-dosierung muss technisch gelöst werden. Tech. f. Bauern u. Gärt. Ausg. G 2:187-188. Apr.25,1950. 58.8 T223G

65427 WYMAN, D. Air-layering made easy; a new plastic film simplifies propagation of woody material. *Flower Grower* 38(7):30. July 1951. 80 M72

Fruits--General

- 65428 BERNARDELLI. Fruit production in the Province of Sondrio; technical aspects. (In Italian.) *Rass. Econ. della Prov. di Sondrio* 4(4):8-10. Apr. 1951. 287 So5
- 65429 BRANZANTI, E. C. Fruit culture in Ravenna Province. (In Italian.) *Riv. della Ortoflorofrutticoltura*. Ital. 35:117-125. May/June 1951. 86 R22
- 65430 BRUNNER, H. Undankbare obsthäute. *Grüne* 79:329-334. Mar. 23, 1951. 17 Sch9
- 65431 CONGRESSO NAZIONALE DI FRUTTICOLTURA, 3, FERRARA, 1949. Atti [Acts]. Firenze, Vallecchi, 1950. 2 v. In 1. 93.09 C769
- 65432 COUPIN, H. Foreign fruit plants for winter planting. (In Portuguese.) *Seleç. Agr.* 6(61):86, 88. May 1951. 9.2 Se4
- Brazil.
- 65433 COURSHÉE, R. J. Frost damage prevention; a review of current mechanical methods. *Brit. Farm Mech.* 3:155-156. Apr. 1951. 58.8 B772
- Orchards.
- 65434 DERMINE, E. La détermination de la maturité des fruits. *Fruit Belge* 19:50-53. Apr. 1951. 80 F9493
- 65435 FALCH, J. Die ernte unseres obstes. *Landwirtschaft* 1951:201-203. June/July 1951. 19 L235
- Austria.
- 65436 GALLAY, R., and PERRAUDIN, G. La sous-station fédérale d'essais en Valais. *Rev. Romande d'Agr. de Viticult. et d'Arboricult.* 7:28-30. Apr. 1951. 17 J82A
- Chiefly fruit culture.
- 65437 GRONINGER MAATSCHAPPIJ VAN LANDBOUW. RESUMÉ-COMMISSIE. Résumé of the department reports of the Groningen Agricultural Society on Point II, 1950-1951. (In Dutch.) *Groninger Landtbl.* 29(26):3-4. June 30, 1951. 12 G892
- Deals with the development of fruit culture in the Netherlands.
- 65438 HAAS, DE. Offene worte zum "marken-etikett für obstgehölze." *Deut. Baumsch.* 3:85-88. Apr. 1951. 80 D486
- 65439 HANSEN, C. J., and EGGERS, E. R. Propagation of fruit plants. *Calif. Agr. Col. Ext. C.* 96, rev., 57 p. Jan. 1951. 275.29 C12C
- 65440 HARRIS, R. V. Some scientific aspects of the certification schemes for fruit plants. *Ann. Appl. Biol.* 38:538-540. June 1951. 442.8 An72
- 65441 HERTEL, F. Pflanzung und pflege der obsthäute. *Leipzig, Hachmeister & Thal, 1950?* 48 p. (Lehrmeister-Bücherel, Nr. 116) 93.5 H44
- 65442 HOHENBRUCK, G. VON. Wann sollen unsere obsthäute geschnitten werden? *Obst u. Gart.* 6:40-41. Mar. 1951. 80 Ob75
- 65443 KAJIURA, M., and others. Future cultivation of fruit plants. (In Japanese.) Tokyo, 1950. 189 p. (Asahi Agricultural Selection 10) 22.5 As1
- 65444 KARNATZ, H. Die ausbeute an sämlingsunterlagen bei sortenreinen kernobstsaaten. *Obstbauversring. Mitt.* 1950:111-112. Oct. 1/15, 1950. 85 J76
- 65445 KARNATZ, H. Die eignung niederelbischer lokalsorten für die anzucht von obstunterlagen. *Obstbauversring. Mitt.* 6:18-21. Feb. 1951. 85 J76
- 65446 KARNATZ, H. Einige hinweise zum verschulen von obstsämlingen. *Obstbauversring. Mitt.* 6:45-46. Mar. 1951. 85 J76
- 65447 KUMER, R. Wann hat eine obstanlage zukunft? *Obst u. Gart.* 6:19-20. Feb. 1951. 80 Ob75
- 65448 LOEWEL, E. L. Holländische reise. *Obstbauversring. Mitt.* 1950:106-111. Oct. 1/15, 1950. 85 J76
- 65449 MADER, F. Einiges über obstunterlagen. *Landwirtschaft* 1951:166-167. May 1951. 19 L235
- 65450 MAURER, K. J. Gedanken zur reduktion der sortimente. *Obst u. Gart.* 6:38-39. Mar. 1951. 80 Ob75
- 65451 MAURER, K. J. Vorläufiger bericht über einen stamm- bzw. gerüstbildnersversuch. (zweites baumschuljahr). *Züchter* 21:115-123. 1951. 442.8 Z8
- Fruit.
- 65452 QUEBEC. POMOLOGICAL AND FRUIT GROWING SOCIETY. Annual report for 1949. Montreal, 1949. 121 p. 82 Q3
- 65453 ROLIN, P. Quelques aspects évolutifs de la culture fruitière commerciale. *Fruit Belge* 19:33-37. (To be cont.) Mar. 1951. 80 F9493
- 65454 SHEWELL-COOPER, W. E. Trees which will not bear; the fault is often our own, for among the commonest causes are over-pruning and failure to provide for pollination. *Field* 197:835. May 26, 1951. 10 F45

65455 TACHON, P. Le surgreffage des arbres fruitiers. *Nord. Agr.* 7(29):3. May 18, 1951. 14 N75

65456 VRIJHOF, B., and OELE, L. C. Chemical blossom thinning of fruit trees. (In Dutch.) *Nieuwe Veldbode* 17:554-555. May 17, 1951. 12 V542N

65457 WIESER, P. Der schnitt des jungen baumes. *Obst u. Gart.* 6:18-19. Feb. 1951. 80 Ob75

65458 ZECHA. Musterdörfer im obsthau. *Obst u. Gart.* 6:35-38. Mar. 1951. 80 Ob75

Fruits--Citrus and Subtropical

- 65459 AGNEW, G. W. J. Hand pollination in the "male-female" group of papaws. *Queensland Prod.* 32(34):17. Feb. 21, 1951. 23 Q35
- 65460 AGNEW, G. W. J. Planting papaws. *Queensland Prod.* 32(41):14. Apr. 11, 1951. 23 Q35
- 65461 BERRILL, P. V. The early growth of a pineapple top. *Queensland Prod.* 32(33):19-20. Feb. 14, 1951. 23 Q35
- 65462 BRANFIELD, W. The papaw tree. *Trees & New Earth* 14:176-178. Spring 1951. 99.8 T714
- 65463 BURKE, J. H. The avocado in Spain, North Africa, Sicily and Italy. *Calif. Avocado Soc. Ybk.* 35:126-127. 1950. 81 C128
- 65464 CALIFORNIA AVOCADO SOCIETY. Year book, 1950, v. 35. Los Angeles, 1950. 224 p. 81 C128
- 65465 CHOPINET, R., and DUPOUY, J. Résistance au froid de certains citrus et de leurs hybrides; essai sur la possibilité de leur culture en France. *Fruits* 6:131-140. Ref. Apr. 1951. 80 F9492
- 65466 FERREIRA FILHO, O. J. A new crop for Brazil. (In Portuguese.) *Seleç. Agr.* 6(61):51-53. May 1951. 9.2 Se4
- Olives.
- 65467 FORSYTH, G. Citrus growing in the California of Europe [French Morocco]. *Fruit, Flower & Veg. Trades* J. 99(12):20-21. Mar. 24, 1951. 80 F946
- 65468 FRONDA, F. M. Graftinarching for top-working pummelo trees. *Agr. & Indus. Life* 13(4):30-31. Apr. 1951. 25 Ag8
- 65469 HALMA, F. F. Avocado rootstock investigations. *Calif. Avocado Soc. Ybk.* 35:136-138. 1950. 81 C128
- 65470 HARDING, R. B. High-yielding orange orchards. *Calif. Citrog.* 36:350-351, 364, 366. July 1951. 80 C125
- Similar title in: *Citrus Leaves* 31(7):6-7, 23-24; July 1951; 80 C492.
- 65471 HARDISON, E. D. A grower's observations of frost protection by use of a blower. *Calif. Avocado Soc. Ybk.* 35:106-111. 1950. 81 C128
- 65472 HODGSON, R. W., SCHROEDER, C. A., and WRIGHT, A. H. On the comparative resistance of the avocado and certain other tender subtropicals and tropicals to low winter temperatures. *Calif. Avocado Soc. Ybk.* 35:32-36, 38-44. 1950. 81 C128
- 65473 IWASAKI, T. Effects of double-grafting on the growth of Satsuma orange. I. (In Japanese.) *Hort. Assoc. Japan. J.* 19:143-149. Ref. June 1950. 87 H78
- English summary.
- 65474 KLOTZ, L. J. Health of two famous citrus trees. *Calif. Citrog.* 36:385-386. July 1951. 80 C125
- Similar title in *Citrus Leaves* 31(7):14-15. July 1951. 80 C492
- 65475 KORNHAUSER, R. Problems of the grower. *Calif. Avocado Soc. Ybk.* 35:50-52. 1950. 81 C128
- 65476 MALLIK, P. C. Inducing flowering in mango by ringing the bark. *Indian J. Hort.* 8:1-10. Mar. 1951. 80 In2
- 65477 MAXWELL, N. P. Pruning tests with freeze-damaged citrus trees in the Lower Rio Grande Valley. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1343, 4 p. Mar. 15, 1951. 100 T31P
- 65478 MAZZEI, A. Harvesting and preservation of olives. (In Italian.) *Lotte Contadine* 1(11/12):8. Dec. 5/20. 1950. 16 L91
- 65479 MOITY, M. L'évolution de la culture du bananier en Guinée et les problèmes qu'elle pose. *Fruits* 6:197-199. May 1951. 80 F9492
- 65480 MONTGOMERY, H. W. Tip-graft observations. *Calif. Avocado Soc. Ybk.* 35:84-88. 1950. 81 C128
- 65481 MORI, H., and HAMAGUCHI, K. Some experiments on commercial hand pollination of kaki (Japanese persimmon). (In Japanese.) *Hort. Assoc. Japan. J.* 19:98-106. Ref. June 1950. 87 H78
- English summary.
- 65482 MUNIER, P. Contribution à la mise en valeur du Sahara Soudanais Français. *Fruits* 6:104-108. Mar. 1951. 80 F9492
- Establishment of a research station for dates.

- 65483 MURPHY, J. Frost protection. Calif. Avocado Soc. Ybk. 35:112-113. 1950. 81 C128
- 65484 NIXON, R. W. Date culture in the United States. U. S. D. A. C. 728, rev., 57 p. Ref. Mar. 1951. 1 Ag84C
- 65485 NOTTAGE, I. L. A lemon orchard near Auckland. New Zeal. J. Agr. 82:391,393,395-396. May 1951. 23 N48J
- The development and operation of the orchard.
- 65486 OPPENHEIMER, H. R. Studies on the reestablishment of citrus groves during the Second World War. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. B. 54:3-55. Ref. June 1950. 107 Z6
- Abridged English translation, p. p. 3-23.
- 65487 POPENOE, W. Report from Honduras. Calif. Avocado Soc. Ybk. 35:116-118,120-123. 1950. 81 C128
- 65488 PY, C. Quelques documents concernant la récolte et le conditionnement des dattes aux Etats-Unis. Fruits 6:194-196. May 1951. 80 F9492
- 65489 ROUNDS, M. B. Check list of avocado varieties. Calif. Avocado Soc. Ybk. 35:178-205. 1950. 81 C128
- 65490 SCHIFFERS, H. Die dattelpalme. Kosmos 47:115-120. Mar. 1951. 474 K842
- 65491 SCHROEDER, C. A. Avocado trees of unusual size. Calif. Avocado Soc. Ybk. 35:114-115. 1950. 81 C128
- 65492 SHARP, P. F. The Experiment Station and the avocado industry. Calif. Avocado Soc. Ybk. 35:53-55,58-59. 1950. 81 C128
- 65493 SHARPE, F. V. The avocado in Australia. Calif. Avocado Soc. Ybk. 35:124-125. 1950. 81 C128
- 65494 SINGH, L. B. Air layering in Litchi without soil or water. Cur. Sci. 20:102. Apr. 1951. 475 Sci23
- 65495 SINGH, M. P. Grade and quality of the chikoo fruit. Indian J. Hort. 8:11-17. Mar. 1951. 80 In2
- 65496 TKATCHENKO, B. Les agrumes en U. R. S. S. Fruits 6:89-98. (Concl.) Ref. Mar. 1951. 80 F9492
- 65497 WAIBEL, C. Prepare for better Texas citrus. Citrus Leaves 31(7):32,36. July 1951. 80 C492
- 65498 WILLS, J. M. Banana growing in Queensland. Queensland Agr. J. 72:147-158,223-236. Mar.-Apr. 1951. 23 Q33
- Fruits--Deciduous**
- 65499 BATJER, L. P. Factors affecting results from thinning sprays on apples. Wash. State Hort. Assoc. Proc. 46:177-180. 1950. 81 W273
- 65500 BISHOP, C. J. The importance of polyploidy in modern apple breeding. Fruit Varieties & Hort. Digest 5:63-66. Autumn 1950, pub. Mar. 1951. 80 F9464
- 65501 BROOKS, R. M. Sweet cherry production problems in California. Wash. State Hort. Assoc. Proc. 46:136-146. 1950. 81 W273
- 65502 BRYNER, W. Die sommerbehandlung am hochstamm. Schweiz. Z. f. Obst- u. Weinbau 60:228-230. June 16, 1951. 80 Sch9
- 65503 BULLOCK, R. M. Hormone research on tree fruit. West. Fruit Grower 5(4):32-34. Apr. 1951. 95.8 G762
- 65504 CAUWENBERGHE, E. VAN. Étude du système racinaire de quelques sujets porte-greffes de pruniers, identifiés à la Station Expérimentale d'East-Malling. Fruit Belge 19:29-32,46-48. (Cont.) Feb.-Mar. 1951. 80 F9493
- 65505 FOGLE, H. W. Winter hardiness of apricot variety crosses. Wash. State Hort. Assoc. Proc. 46:19-23. 1950. 81 W273
- 65506 GAYFORD, G. W. Deciduous fruit trees; varieties suitable for planting. Victoria. Dept. Agr. J. 49:161-164. Apr. 1951. 23 V66J
- 65507 GENTILE, G. The peach in Campania. (In Italian.) Italia Agr. 88:289-292. May 1951. 16 It1
- Chiefly on varieties.
- 65508 HARTLEITNER, L. Zum artikel "Die myrobale - eine schlechte veredlungsunterlage." Obst u. Gart. 6:43. Mar. 1951. 80 Ob75
- 65509 HASEMAN, L. Bees will be vital for pollination this year. Mo. State Hort. Soc. Hort. News 1951:2-3. Mar. 1951. 81 M692H
- Peaches in Missouri.
- 65510 HAYES, W. The Standard Delicious [apple] variety and its future. Wash. State Hort. Assoc. Proc. 46:15-16. 1950. 81 W273
- 65511 HERTEL, F. Der pfirsichbau. Leipzig, Hachmeister & Thal, 1950? 44 p. (Lehrmeister-Bücherl. Nr. 1086) 93.35 H44
- 65512 HIBBARD, A. D. Chances for a peach crop. Mo. State Hort. Soc. Hort. News 1951:1-2. Mar. 1951. 81 M692H
- After a freeze.
- 65513 HOBART, E. W. Scholl brothers lead fruitful lives. N. J. Farm & Gard. 22(7):10,12,23. July 1951. 6 G162
- Peach and apple orchard management practices.
- 65514 HOLMES, G. The winds do blow—so stake those [fruit] trees. Mod. Poultry Keeping 64:591. May 30, 1951. 47.8 Eg3
- 65515 JUDKINS, W. P. Thin those peaches! Va. Fruit 39(4):30-33. Apr. 1951. 81 V81B
- 65516 KRUSSMANN, G. Beiträge zur kenntnis der quittensorten, Cydonia oblonga Mill. IV. Deut. Baumsch. 3:108-113. Apr. 1951. 80 D486
- 65517 LESLEY, J. W., and DELPHEY, C. C. The Ventura peach. Pacific Coast Nurseryman 10(4):17. Apr. 1951. 80 P116
- 65518 LILLELAND, O., and FISK, J. N. Second year's results on spray thinning prunes. West. Fruit Grower 5(4):25-28. Apr. 1951. 95.8 G762
- 65519 LOEWEL, E. L. Hochstamm oder niederstamm? Obstbauversring. Mitt. 1950:118-120. Nov. 1/15, 1950. 85 J76
- 65520 LOWE, L. E. The Standard Delicious [apple] variety and its future. Wash. State Hort. Assoc. Proc. 46:5-6. 1950. 81 W273
- 65521 MAURER, K. J. Ein beitrage zur verwendung von Virginia crab als gerüstbildner. Obst u. Gart. 6:23-24. Feb. 1951. 80 Ob75
- 65522 MERRILL, G. Better peaches. Wash. State Hort. Assoc. Proc. 46:147-151. 1950. 81 W273
- 65523 MEWISSEN, F. L'arcue des pommiers et des poiriers. B. Hort. (n.s.) 6:112-113. Apr. 1, 1951. 80 B873
- 65524 OBERLE, G. D., and MOORE, R. C. Peach varieties vary in resistance to frost at blossoming. Fruit Varieties & Hort. Digest 5:67-74. Autumn 1950, pub. Mar. 1951. 80 F9464
- 65525 RICH, A. C. Our experience with chemical thinning. Wash. State Hort. Assoc. Proc. 46:182-185. 1950. 81 W273
- 65526 ROLLINS, H. A., JR. Evaluation of apple varieties. N. H. Hort. Soc. J. 14:11-12. 1951. 81 N452J
- 65527 SMITH, R. D. New pear varieties. N. H. Hort. Soc. J. 14:13-15. 1951. 81 N452J
- 65528 TESKE, A. H. Should Virginia growers thin their apples? Va. Fruit 39(4):33-36. Apr. 1951. 81 V81B
- 65529 U. S. PATENT OFF. Plant patent 980: Anderson, F. W. Nectarine tree. 2 p., 1 col. pl. Sept. 19, 1950. 156.65 P69
- 65530 USHIROZAWA, K., and FUKUSHIMA, S. On the time of flower-bud differentiation of the major varieties of apple. (In Japanese.) Hort. Assoc. Japan. J. 19:125-133. Ref. June 1950. 87 H78
- English summary.
- 65531 WALTMAN, C. S. New and promising apple varieties at the Kentucky Agricultural Experiment Station. Ky. Agr. Expt. Sta. Ky. Fruit Notes 4(4):6-8. Spring 1951. 100 K41K
- 65532 WHITCOMB, W. D. Care of home fruit trees. Prof. Gard. 3:104,106. (Cont.) May 1951. 80 P945
- Fruits--Small**
- 65533 AL'TMAN, F. F. Novo-Kubanskiy Sovkhoz is in need of assistance. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):48-49. Dec. 1950. 95.8 V77
- Chiefly on grape culture.
- 65534 AMERICAN CRANBERRY GROWERS' ASSOCIATION. Proceedings of the eighty-first annual meeting, January 27, 1951. Pemberton, 1951. 44 p. 81 Am35M
- 65535 BAKER, C. E. Summer care and pruning of raspberries and blackberries. Nur. New-Yorker 101:398-399. June 16, 1951. 6 R88
- 65536 BASTELEUS, R. L'ampelographie de l'amateur et du viticulteur debutant. Cour. Hort. 13:140-141. Mar. 1951. 80 C834
- 65537 BASTELEUS, R. Une technique viticole récente: la culture retardée des variétés hâtives. B. Hort. (n.s.) 6:43-44. Feb. 1, 1951. 80 B873
- 65538 BEKIROV, U. I. Rkatsiteli [grape variety] in Uzbekistan. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):31-32. Jan. 1951. 95.8 V77
- 65539 BONAL, L. La culture du raisin de table—ses perspectives. Tarn-et-Garonne Agr. 14:106-107. June 1951. 14 T17
- 65540 BORISOVSKAYA, G. Ia. The collective farmers are utilizing the stakhanovite agricultural practices. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):64. Nov. 1950. 95.8 V77
- Grape culture in Petrovskiy District, Stavropol Territory.

- 65541 CARLETON, M. Berry-patch revival. Country Gent. 121(7):26,91. July 1951. 6 C833
Strawberries and raspberries.
- 65542 CORNU, C. Du nouveau dans le vignoble greffage des racinés et paraffinage. Rev. Agr. de l'Afrique du Nord 49:108-110. Feb.9,1951. 80 R326
- 65543 DALMASSO, G. In the countries where grapes are harvested in winter too. (In Italian.) Humus 7(2):18-22. Feb.1951. 16 H88
- 65544 DELFAU, R. Les conditions d'adaptation des hybrides et leur choix selon les situations culturales. Tarn-et-Garonne Agr. 14:86-87,117. May-June 1951. 14 T17
Grapes.
- 65545 FARRINGTON, O. M. Some slants in growing black raspberries. Ky. Agr. Expt. Sta. Ky. Fruit Notes 4(4):4-6. Spring 1951. 100 K41K
- 65546 FILIPPISHIN, I. S. Struggle for moisture in the vineyards of the steppe part of Crimea. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):23-24. Nov.1950. 95.8 V77
- 65547 GRAMOTENKO, P. M. Prospective hybrids of Pukhlakovskii [grape] variety. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):36-38. Jan.1951. 95.8 V77
- 65548 GUERDER, G. L'évolution de la question des producteurs directs. Rev. Agr. de l'Afrique du Nord 49:71-72. Jan.26,1951. 80 R326
Grapes.
- 65549 HARTLEY, A. C. Strawberry time. Country Life [London] 109:1969-1970. June 22,1951. 80 C83
- 65550 JACKSON, T. H. Strawberries. Kenya. Dept. Agr. Annu. Rev. 1950:31-33. 24 K423
Culture.
- 65551 JOHNSTON, S. The Keweenaw blueberry: a variety for trial in northern Michigan. Mich. Agr. Expt. Sta. Q. B. 33:299-301. May 1951. 100 M58S
- 65552 JOHNSTON, S. Problems associated with cultivated blueberry production in northern Michigan. Mich. Agr. Expt. Sta. Q. B. 33:293-298. May 1951. 100 M58S
- 65553 KHOPERIYA, M. D. Malai—a high quality grape variety of Nakhichevan ASSR. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):34-35. Jan.1951. 95.8 V77
- 65554 KLINKOVSKAYA, N. I. Successful advancement of grapes into the North [of U.S.S.R.]. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):50-51. Dec.1950. 95.8 V77
- 65555 KNAPPSTEIN, R. O. Contour planting of vineyards. So. Austral. Dept. Agr. J. 54:407. Mar.1951. 23 So84
- 65556 KORITSKIĬ, V. T. Urgent problems in grape culture of Murghab Delta [Turkmenian SSR]. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):16-17. Nov. 1950. 95.8 V77
- 65557 KORNEYCHUK, V. D., and PLAKIDA, E. K. Study of methods for forming racemes in grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):42-45. Nov. 1950. 95.8 V77
- 65558 KOROBETS, P. V. Number and arrangement of grapevines in vineyards. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):37-38. Dec.1950. 95.8 V77
- 65559 KOVAL', N. M. Plots of high yields in Ukraine. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):30-34. Dec.1950. 95.8 V77
Grape culture.
- 65560 KRAVCHENKO, V. A. New method of planting grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):53. Dec.1950. 95.8 V77
- 65561 LECHARLIER, J. Que pèse un grain de raisin? B. Hort. (n.s.):6:44. Feb.1,1951. 80 B873
- 65562 LENTSOVA, V. M. Dates for semi-covering of grape vines. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):40-42. Nov.1950. 95.8 V77
- 65563 LINDEN, R. La taille des groseilliers. B. Hort. (n.s.):6:38-42. Feb.1,1951. 80 B873
- 65564 MAKAROV-KOZHUKHOV, L. N. Hybrid [grape] stock of Anapa Experiment Station. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):49-50. Nov.1950. 95.8 V77
- 65565 MANOKHIN, P. A. To improve the quality of grape rootstocks. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):45-49. Nov.1950. 95.8 V77
- 65566 MARSAIS, M. Les cépages hybrides dans la région méditerranéenne. Indus. Agr. et Aliment. 68:241-243. May/June 1951. 383 As7
English summary.
- 65567 MARSHALL, G. E. Grapes are a promising cash crop. Hoosier Hort. 32:147-149. Nov./Dec.1950. 81 In2H
- 65568 MORALES ANTEQUERA, C. Las plantas colonizadoras. Ganadería [Madrid] 9:156-158. Apr.1951. 49 G15
Chiefly grapes in Spain.
- 65569 MORGAN, C. N. Planting strawberries. Queensland Prod. 32(37):15. Mar.14,1951. 23 Q35
- 65570 NÈGRE, E. Détermination de la date la cueillette. Prog. Agr. et Vitic. 1951:333-336. (To be cont.) June 17/24,1951. 14 P94
Grapes.
- 65571 OLMO, H. P. A proposed program for the introduction, improvement and certification of healthy grape varieties. Wines & Vines 32(7):7-9. July 1951. 95.8 C122
- 65572 PALIN, P. S. Trench and screen method of covering up grape vines. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):57-58. Nov.1950. 95.8 V77
- 65573 PANYCH, N. T. How we struggled for high yields. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):57-60. Jan.1951. 95.8 V77
Grape culture in Molotov State Farm of Abrau-Dzurso Combine in Anapa District.
- 65574 PEYRONNET, R. Les vendanges oranaises en 1950. Rev. Agr. de l'Afrique du Nord 49:68-70. Jan.26, 1951. 80 R326
- 65575 ROJAS L., M. Viticultura y vinificación. Ed. 5, rev. by V. Valdivia Urbina. Santiago, Nascimento, 1950. 831 p. 95.4 R53
- 65576 ROY, E. Les appellations contrôlées, défense de la qualité. Vignoble Girondin 27(205):3. (To be cont.) Mar.30,1951. 95.8 V683
- 65577 RITSKHLADZE, I. T. Kaberne [grape variety] in Georgian SSR. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):35-36. Dec.1950. 95.8 V77
- 65578 SAMUSKEVICH, G. D. On the eve of winter work. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):45-46. Dec.1950. 95.8 V77
Grape culture on state and collective farms in Dagestan.
- 65579 SARRABAY, J. Quelques conseils pratiques pour la préparation à la ferme des racines greffées de vigne. Rev. Agr. de l'Afrique du Nord 49:129-134. Feb. 16,1951. 80 R326
- 65580 SCHEU, G. Brauchen wir neue rebsorten? Weinbau 5:579-580. Dec.3,1950. 390.8 W432
Germany.
- 65581 SCHRATT, H. Pflegemassnahmen im schnittweingarten. Landwirtschaft 1951:199-200. June/July 1951. 19 L235
Austria.
- 65582 SHCHERBAK, F. I. Prospects for grape culture on the irrigated soils of Stavropol Territory. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):19-20. Nov. 1950. 95.8 V77
- 65583 SHMAKOV, G. A. A high agricultural technique—the guarantee of success. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):49-50. Dec.1950. 95.8 V77
Grape culture at Krymskiĭ Sovkhoz of Abrau-Dzurso Combine.
- 65584 STEKLOVA, L. A. We are multiplying our achievements. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):7. Nov.1950. 95.8 V77
Grape culture on Malafa Zemlia State Farm.
- 65585 U. S. PATENT OFF. Plant patent 1008. Swim, H. C. Berry plant. 2 p., 1 col. pl. Mar.20,1951. 156.65 P69
- 65586 VASIL'EV, A. V., and ROMANOVA, E. G. Grape culture in the foothill districts of Stavropol Territory. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):39-42. Jan.1951. 95.8 V77
- 65587 VIKTOR, T. Rebspalier. Obst u. Gart. 6:39-40. Mar.1951. 80 Ob75
- 65588 WILSON, P. Growing raspberries for market. Smallholder 85(2145):11. June 29,1951. 10 Sm1

Nuts

- 65589 AMARGOS, J. L. El cultivo del marañón. Campo [Tacuba] 19(710):1-2,4,6-8. Apr.30,1951. 8 C157
Anacardium occidentale.
- 65590 BUSH, C. D. Walnut grafting in Oregon. Gard. Illus. 68:195. July 1951. 80 G169
- 65591 JOHANSSON, E. Sortförsök med hassel vid Alnarp 1938-1950 [Variety trial with hazel nuts at Alnarp 1938-1950]. Alnarps Lantbr.-Mejeri- och Trädgårdsinst. Stat. Trädgårdsförsök. Meddel. 63,11 p. 1951. 86 AL64
English summary.
- 65592 MAGILL, W. W. Pecans in western Kentucky. Ky. Agr. Expt. Sta. Ky. Fruit Notes 4(4):2-4. Spring 1951. 100 K41K
Culture and varieties.

Shade Trees and Ornamental Plants

- 65593 ABBISS, H. W. What we have learned about Anemones. *Grower* [London] 35:1357-1358. June 30, 1951. 286.83 M34
- 65594 ALLEN, R. E. The 100 best daylilies. *Flower Grower* 38(7):20. July 1951. 80 M72
- 65595 ANTHONY, A. Iris, garden Jack-of-all trades. *Garden* 55(3):60-64. June 1951. 80 G1632
- 65596 ASHBY, M. R. Trees in Kashmir. *Trees & New Earth* 14:181-183. Spring 1951. 99.8 T714
- 65597 AUL, H. B. Narrow leaved evergreens are popular. *Farm & Gard.* [Watertown] 1951:8. Apr. 28, 1951. 6 F234
- 65598 AUL, H. B. Sheared evergreen hedges have variety of uses. *Farm & Gard.* [Watertown] 1951:8. May 5, 1951. 6 F234
- 65599 BABB, G. F. Worth-while members of the pea family. *Flower Grower* 38(7):28, 58. July 1951. 80 M72
- Genista, Baptisia and Thermopsis.
- 65600 BAIR, R. A. More about grass. *Green Thumb* [St. Petersburg] 1(6):4-5, 27. Apr. 1951. 80 G822
- 65601 BARBER, A. C. Some flower seed novelties for 1951. *My Gard.* 42:285-288. Mar. 1951. 80 M995
- 65602 BARTRUM, D. The Mutisias. *Gard. Illus.* 68:193. July 1951. 80 G169
- 65603 BATSON, F. S. Growth and flowering characteristics of 87 Camellia varieties. *Miss. Farm Res.* [Miss. Sta.] 14(6):1, 3-6. June 1951. 100 M69Mi
- 65604 BECKX, A. La primevère malacoides [Primula malacoides]. *B. Hort.* (n.s.):6:48-50. Feb. 1, 1951. 80 B873
- 65605 BERGE, E. Awards for well cared for allotment gardens. (In Norwegian.) *Kolonihagen* 21:66-69. Apr. 1951. 80 K83
- 65606 BERRY, J. R. The old and the new in root storage. *Dahlia* 20:5-6, 13. Spring 1951. 80 D133
- 65607 BIFFEN, R. H. The auricula; the story of a florist's flower. *Cambridge, U. Press*, 1951. 164 p. 96.508 B47
- Primula auricula.
- 65608 BINGLEY, L. T. The fine art of pinching. *Garden* 55(3):69-71. June 1951. 80 G1632
- 65609 BLACKBURN, B. Glossy Abelia. *Fuchsia Fan* 11(4):8-9. Apr. 1951. 96.532 F952
- 65610 BLACKBURN, B. Plant for permanence, the multiflora rose. *Flower Grower* 38(6):8, 10. June 1951. 80 M72
- 65611 BOER, H. W. DE. Lithops inae Nel. (In Dutch.) *Succulenta* 1951:17-18. Mar./Apr. 1951. 450 Su12
- 65612 BOYE, G. Maintenance. (In Danish.) *Haven* 51:83-84. June 1951. 80 H29
- Of the garden.
- 65613 BROOKS, M. The woods are full of them; natural containers for flower arrangement are yours for the finding. *Flower Grower* 38(7):22-23, 56. July 1951. 80 M72
- 65614 BURKS, V. Blossoms all winter. *Lone Star Gard.* 3(7):9. Spring 1951. 80 L84
- Camellia in Texas.
- 65615 BUSHEY, D. J. Border plantings and outdoor living rooms for rural and urban properties. *N. Y. Agr. Col. Cornell Ext. B.* 813, 30 p. June 1951. 275.29 N48E
- 65616 BUTT, L. W. Picardy's author; breeding work of Canadian originator of celebrated Gladiolus. *Florist's Rev.* 108(2798):21-22. July 12, 1951. 80 W41
- 65617 CARRA, P., and GUEIT, M. Les plantes de bordure. *Rev. Hort. de l'Algérie* 55:11-23. (Cont.) Jan. 1951. 87 R32
- 65618 CASEY, J. Colorful bulbs of the Southwest. *Org. Gard.* 19:50-52. (To be cont.) July 1951. 56.8 Or3
- 65619 CASWELL, D. B. Orchids are easy to grow outdoors. *Green Thumb* [St. Petersburg] 1(7):4-6, 26. May 1951. 80 G822
- 65620 CHAPPLE, F. J. Shrubs for peaty soils. *Gard. Illus.* 68:188-189. July 1951. 80 G169
- 65621 CHEVALIER, C. Plantes grasses en appartement. *B. Hort.* (n.s.):6:71-75. Mar. 1, 1951. 80 B873
- 65622 CLEMENTS, J. The art of flower arrangement. *My Gard.* 42:303-306. Mar. 1951. 80 M995
- 65623 COHEN, N. Orchids in Virginia. *Amer. Orchid Soc. B.* 20:406-409. July 1951. 80 Am329
- 65624 CONRAD, W. Knollengewächse-blütopflanzen unseres gartens. *Landfrauenarbeit* 18:141. May 5, 1951. 18 L2347
- 65625 CONRADI, R. R. Actinidia kolomikta. (In Norwegian.) *Norsk Hagetid.* 67:117. June 1, 1951. 80 N81
- 65626 CORLISS, P. G. The new pink daylilies. *Flower Grower* 38(7):21, 41. July 1951. 80 M72
- 65627 COTHRAN, C. D. Unusual ways of rooting Camellias. *Camellian* 2:24-25. Mar. 1951. 97.31 C14
- 65628 COUNT, R. D. Fuchsia nomenclature. *Fuchsia Fan* 11(4):6-7. Apr. 1951. 96.532 F952
- 65629 COWLEY, J. K. B. Erica carnea. *Gard. Chron.* 129:176. June 2, 1951. 30 G162
- 65630 CURTIS, C. H. Crinum powellii. *Gard. Chron.* 129:204. June 23, 1951. 80 G162
- 65631 CURTIS, C. H. Scarlet Pelargoniums in England. *Horticulture* 29:256. July 1951. 80 H787
- 65632 DAKERS, J. S. Annuals for garden and greenhouse. *London, Collingridge*, 1951. 140 p. 97.41 D14
- 65633 ELLIS, C. K. Gardening with shrubs. *New Zeal. J. Agr.* 82:445, 447. May 1951. 23 N48J
- Ornamental shrubs.
- 65634 ENE DE PIRO, M. Les Albizzia. *Réveil Agr.* 60:135, 150. May 1-15, 1951. 14 R322
- 65635 ENE DE PIRO, M. Fleurs coupées et plantées a parfum. *Réveil Agr.* 60:149. May 15, 1951. 14 R322
- The industry in France.
- 65636 ENSGRABER, A. Das pfpfen der kakteen. *Kosmos* 47:188-190. Apr. 1951. 474 K842
- 65637 EVANS, N. W. 2,500 years of roses. *Garden* 55(3):32-33. June 1951. 80 G1632
- 65638 EYLAR, F. B. The species of lilac. *Arboretum B.* 14:18-19, 38-39. Spring 1951. 451 Ar1
- 65639 FAGERLUND, G. Mountain flowers in Olympic National Park. *Arboretum B.* 14:10-13, 23. Spring 1951. 451 Ar1
- 65640 FAIRCHILD, L. M. New flowers. *Gard. J.* 1:97-99. July/Aug. 1951. 80 G1635
- Breeding.
- 65641 FARMER, R., and HOLLY, W. D. Christmas pompons—1950. *Colo. State Flower Growers Assoc. B.* 17:7. Mar. 1951. 81 C715
- 65642 FEHLANDT, P. R. Transplanting orchid seedlings. *Nowest. Orchid B.* 2(5):7-13. May 1951. 96.2 N81
- 65643 GANNON, R. Biennials fill the gap. *Flower Grower* 38(6):24-25, 60. June 1951. 80 M72
- 65644 GARJEANNE, A. J. M. Cladonia as an epiphyte (In Dutch.) *Levende Nat.* 54:107-110. June 1951. 410 L57
- 65645 GLAES, F. S. How do your roses grow? *Org. Gard.* 19:53-54. July 1951. 56.8 Or3
- 65646 GRAF, A. B. Modern foliage plants. *Florists' Rev.* 108(2795):16-19; (2796):26-28. (Cont.) June 21-28, 1951. 80 W41
- 65647 GRAYSON, E. C. Arranging garden roses. *Flower Grower* 38(6):34-35, 44. June 1951. 80 M72
- 65648 GRESHAM, D. T. Here's news on primroses! *Flower Grower* 38(7):29, 44. July 1951. 80 M72
- 65649 GRIFFIN, F. Middleton Gardens. *Camellian* 2:10-11. Mar. 1951. 97.31 C14
- 65650 GUZZINI, D. Roses. (In Italian.) *Mondo Agr.* 2(20):5. May 20, 1951. 16 M74
- Italian varieties.
- 65651 HACKETT, B. Landscape design in horticultural and agricultural landscapes. I-II. *Town & Country Planning* 19:313-317, 355-359. July-Aug. 1951. 98.58 T66
- 65652 HADFIELD, M. Black poplars [Populus canadensis serotina] in Britain. *Gard. Chron.* 129:196. June 16, 1951. 80 G162
- 65653 HADLEY, P. Fences that bloom. *Garden* 55(2):42-44. Apr. 1951. 80 G1632
- 65654 HAMILTON, M. Dish gardens. *Fuchsia Fan* 11(3):8-9. Mar. 1951. 96.532 F952
- 65655 HANLEY, A. Auratums of Esperanza. *Country Guide* 70(6):66. June 1951. 7 G76
- Lilium auratum culture in British Columbia.
- 65656 HARP, H. F. Gay flower borders from seed sown outside. *Farm & Ranch Rev.* 47(3):26-27. Mar. 1951. 7 F223
- 65657 HASTIE, C. N., JR. Magnolia Gardens. *Camellian* 2:14-15, 27. Mar. 1951. 97.31 C14
- 65658 HAUSEN, A. Hemerocallis, the flower with a future. *Green Thumb* [St. Petersburg] 1(7):17, 28. May 1951. 80 G822
- 65659 HENDERSON, E. S. What makes a good shade tree? *Fruit-Grower* 55(2):32-36. Apr. 1951. 80 G1632
- 65660 HERRE, H. Crassula congesta N. E. Br. *Desert Plant Life* 23:7-8. Jan. 1951. 450 D45
- 65661 HETHERINGTON, E. E. Factors governing Cattleya flower quality. *Amer. Orchid Soc. B.* 20:403-405. July 1951. 80 Am329

- 65662 HIGGINS, E. W. A half century of tree and landscape work. *Arborist's News* 16:37-44. May 1951. 99.8 Ar14
- 65663 HINES, P. E. Camellias in Texas. *Camellian* 2:16-17. Mar. 1951. 97.31 C14
- 65664 HOLLEY, W. D. The spacing of carnations as it affects yield. *Colo. State Flower Growers Assoc. B.* 15:2-3. Jan. 1951. 81 C715
- 65665 HUBBARD, W. The percentage of roses flowering from a late fall pinch. *Colo. State Flower Growers Assoc. B.* 18:1-4. Apr. 1951. 81 C715
- 65666 HUEY, R. G. H. K. Brand and his Croydon Dahlias. *Dahlia* 20:18-20. Spring 1951. 80 D133
- 65667 IRGENS-MÖLLER, H. Thuja occidentalis in its native land. (In Danish.) *Haven* 51:86. June 1951. 80 H29
- 65668 JACOB, C. Récréation botanique: les Cactées. I. La culture des Cactées. *Nat. de Mons et du Borinage. B. Mens.* 32:28-32. 1949. 410.9 N212
- 65669 JANSE, J. A. Euphorbia mammillaris (L.) and Euph. fimbriata (Scop.). (In Dutch.) *Succulenta* 1951: 19-21. Mar./Apr. 1951. 450 Su12
- 65670 JOHNSON, A. T. Some evergreen Vacciniums. *Gard. Chron.* 129:178. June 2, 1951. 80 G162
- 65671 KAMMERER, E. L. A plant grouping for every month of the year. *Morton Arboretum. B. Pop. Inform.* 26:9-12. Mar. 1951. 99.9 M84
- 65672 KATAOKA, T., and NONAKA, F. How to germinate orchid seeds. *Hawaii Farm & Home* 14(6):25. June 1951. 25 H3191
- 65673 KLEINER, P. Zelkova caprinifolia (Pall.) K. Koch. *Gartnermeister* 54:89-90. Mar. 22, 1951. 80 G1939
- 65674 KNIGHT, S. E. Gardens of the golden rand. *Gard. J.* 1:100-102. July/Aug. 1951. 80 G1635
- Union of South Africa.
- 65675 KOHL, P. A. The flowering dogwood [Cornus florida]. *Mo. Bot. Gard. B.* 39:104-106. May 1951. 451 M69B
- 65676 KOHL, P. A. The redbud [Cercis canadensis]. *Mo. Bot. Gard. B.* 39:102-104. May 1951. 451 M69B
- 65677 KOHL, P. A. The silver-bell tree [Halesia carolina]. *Mo. Bot. Gard. B.* 39:106-109. May 1951. 451 M69B
- 65678 KOHL, P. A. Two good Santolinas. *Mo. Bot. Gard. B.* 39:83-85. Apr. 1951. 451 M69B
- 65679 KOMINUS, N. African violets add to greenhouse color. *Kan. Agr. Student* 27(4):15,35. May 1951. 276.8 K13
- 65680 KRACKOWIZER, F. J. Dicksonia for the planting of orchids. (In Portuguese.) *Seleg. Agr.* 6(61):90,92,94. May 1951. 9.2 Se4
- 65681 LINDSAY, G. Additional notes about Echinocereus pacificus (Engelm.) Britton and Rose. *Desert Plant Life* 23:11-14. Jan. 1951. 450 D45
- 65682 LIVINGSTONE, J. Growing orchids in the home. *Amer. Orchid Soc. B.* 20:399-402. July 1951. 80 Am329
- 65683 LUCKING, W. H. A small rock garden. *Green Thumb [Denver]* 8(7):7. July 1951. 80 G82
- 65684 MA, R. M. The "know how" on African violets. *Gard. J.* 1:78-79,90. May/June 1951. 80 G1635
- 65685 MCCABE, R. A. Wild flowers on Wisconsin farms. *Wis. Agr. Col. Ext. C.* 400,8 p. June 1951. 275.29 W75C
- 65686 MACCARIO, G. An ornamental tree with showy fruits (Koelreuteria formosana Hayata). (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5(3,sup.),6 p. 1951. 16 An76
- English summary.
- 65687 MCCOMBS, L. Do you know the lime-loving plants? *Flower Grower* 38(7):24-25,42-43. July 1951. 80 M72
- 65688 MC CULLY, A. Color through the seasons. *Garden* 55(3):34-39. June 1951. 80 G1632
- 65689 MCCULLY, A. Little Iris you should know. *Flower Grower* 38(6):28,59. June 1951. 80 M72
- 65690 MCDONALD, E. Recommended: wax Begonias. *Garden* 55(3):72-73. June 1951. 80 G1632
- 65691 MACINTYRE, J. W. Amaryllis. *Prof. Gard.* 3(3):57. Mar. 1951. 80 P945
- 65692 MASSINGHAM, H. J. The gardening of landscape. *Field* 197:1031. June 30, 1951. 10 F45
- Great Britain.
- 65693 MAUMENÉ, A. Le château et les jardins de Leeuwerghem. *Vie à la Campagne* 40:103-106. Mar. 1951. 80 V67
- 65694 MEHLQUIST, G. What breeding will do for us. *N. Y. State Flower Growers. B.* 67:1,4-5. Mar. 1951. 80 N486
- 65695 MENNINGER, E. A. The royal poinciana [Delonix regia] which really isn't a poinciana at all! *Gard. J.* 1:84,87. May/June 1951. 80 G1635
- 65696 MOSNAT, H. R. Longer life for auratum lilies. *Horticulture* 29:255. July 1951. 80 H787
- 65697 MUELLO, A. C. Variedades, multiplicación y enfermedad de las rosas. *Pampa Argentina* 24(279):7. Mar. 1951. 9 P19
- 65698 NEILSON, W. At home in your rock garden. *Garden* 55(3):40-43. June 1951. 80 G1632
- 65699 NEILSON, W. How to plan your flower border. *Garden* 55(2):28-31. Apr. 1951. 80 G1632
- 65700 NICHOLS, R. S. In quest of old gardens. *Horticulture* 29:247-248. July 1951. 80 H787
- 65701 NITZELIUS, T. Trädgårdens vackraste blommor [The prettiest flowers in the garden]. *Stockholm, Saxon & Lindström*, 1950. 271 p. 97.42 N63
- 65702 NORTHERN, R. T. Potting. III. *Amer. Orchid Soc. B.* 20:418-422. July 1951. 80 Am329
- 65703 NORTON, C. A house plant [Philodendron pertusum] for moderns. *Green Thumb [Denver]* 8(7):16-17. July 1951. 80 G82
- 65704 NORTON, C. The not so "minor" bulbs. *Green Thumb [Denver]* 8(4):16-20. Apr. 1951. 80 G82
- 65705 NOYCE, M. B. Fun with geraniums. *Green Thumb [Denver]* 8(4):22,32-33. Apr. 1951. 80 G82
- 65706 NUBOURGH, Y. Une question souvent posée: nos jardins doivent-ils être réguliers ou paysagers? *Cour. Hort.* 3:92-96. Feb. 1951. 80 C834
- 65707 OKADA, M. Studies on the crown bud of Chrysanthemums. II. (In Japanese.) *Hort. Assoc. Japan. J.* 19: 153-156. June 1950. 87 H78
- 65708 PAPE, C. F. Growing Dahlias from seed. *Dahlia* 20:21-23. Spring 1951. 80 D133
- 65709 PARKER, H. C. Promotion of the Dahlia. *Dahlia* 20:7-9. Spring 1951. 80 D133
- 65710 PEARCE, F. O. Sierran alpine in the garden. *Calif. Hort. Soc. J.* 12:64-67. Apr. 1951. 81 C1293
- 65711 PEARCE, S. A. Variegated greenhouse foliage plants. *Gard. Illus.* 68:189. July 1951. 80 G169
- 65712 PEDERSEN, M. Blomsterhagen; flerårige planter [The flower garden; perennial plants]. Ed. 3. Oslo, Aschehoug, 1950. 240 p. 97.42 P34
- 65713 PEER, R. New reticulatas blossoming in California. *Camellian* 2:4-5,25-26. Mar. 1951. 97.31 C14
- 65714 PERRONNE, P. Les rosiers du jardin familial. *Rev. Agr. de l'Afrique du Nord* 49:73-74,153-155. Jan. 26-Feb. 23, 1951. 80 R326
- 65715 PERRY, F. The garden pool. *London, Collingridge*, 1951. 128 p. 97.16 P422G
- 65716 PETTIT, D. W. A setting for a home. *Macdonald Col. J.* 11(8):8,10. Apr. 1951. 101 M144
- Landscaping.
- 65717 PHILLIPS, G. A. R. Planting spinney & covert; skilful adornment of natural charm. *Nurseryman & Seed Seedsman* 112:930-931. Mar. 22, 1951. 80 N933
- 65718 POLITI, L. P. An invitation to the rock garden. *Gard. J.* 1:73-74. May/June 1951. 80 G1635
- 65719 PORTER, H. F. The effect of storms on choosing better trees. *Shade Tree* 24(2):2-5. (Concl.) Feb. 1951. 99.8 Sh1
- 65720 PRING, G. H. Two new pygmy water-lilies [Nymphaea]. *Mo. Bot. Gard. B.* 39:112-114. May 1951. 451 M69B
- 65721 PUDDLE, F. C. Dwarf shrubs for small gardens. *My Gard.* 42:243-250. Mar. 1951. 80 M995
- 65722 PULLAR, E. A. Hedges without headaches. *Garden* 55(3):51-53. June 1951. 80 G1632
- 65723 PUTZ, A. Follow the fundamentals and you can't miss with Dahlias. *Garden* 55(3):45-50. June 1951. 80 G1632
- 65724 PUTZ, A. Give your roses a welcoming hand. *Garden* 55(3):25-31. June 1951. 80 G1632
- 65725 PUTZ, A. A glad garden of your own. *Fruit-Grower* 55(2):37-41. Apr. 1951. 80 G1632
- 65726 RANDOLPH, L. F. Chromosomes and orchid breeding. *Amer. Orchid Soc. B.* 20:395-398. (To be cont.) July 1951. 80 Am329
- 65727 RANSON, N. R. Garden clubs for the blind. *Lone Star Gard.* 3(7):11. Spring 1951. 80 L84
- 65728 RECTOR, C. K. How to grow African violets. *San Francisco, Lane Pub.*, 1951. 93 p. (A Sunset Book) 96.06 R24
- 65729 REIJNIERSE, I. Our flowers and their care. 4. (In Dutch.) *Zeeuwisch Landtbl.* 39(2062):5. (Concl.) Mar. 17, 1951. 12 Z2
- Netherlands.

- 65730 RICHARDSON, D. Nature's gems. Prof. Gard. 3(3):54-55. Mar.1951. 80 P945
Wildflowers.
- 65731 ROESCH, J. F. Design for small properties. Gard. J. 1:76-77. May/June 1951. 80 G1635
- 65732 ROOF, J. Growing California's five dogwoods. Calif. Hort. Soc. J. 12:51-58. Apr.1951. 81 C1293
- 65733 ROSSETTER, MRS. H. Growing pansies from seed. Horticulture 29:259. July 1951. 80 H787
- 65734 ROUND, J. Fresh fields. III—Our shrubbery. My Gard. 42:279-282. Mar.1951. 80 M995
- 65735 ROWLEY, G. D. The scientific approach to succulents. 2. Cactus & Succulent J. Gt. Brit. 13:40-42. Apr.1951. 450 C113
- 65736 RUFF, W. M. Plants for planting contemporary homes. South. Florist & Nurseryman 64(14):114,116. June 29,1951. 80 So86
- 65737 RUIZ SANTAELLA, J. Agricultura intensiva holandesa. II. Aalsmeer. Agricultura [Madrid] 20:219-222. May 1951. 15 Ag84
The flower industry.
- 65738 RUTLAND, J. H. Gardening as a hobby. Green Thumb [St. Petersburg] 1(6):10-11. Apr.1951. 80 G822
In Florida.
- 65739 RUYS, M., RUYS, J. D., and RUYS, T. Het vaste planten boek [Book of perennial plants]. Ed. 2. Amsterdam, Moussault, 1950. 251 p. 97.42 R94
- 65740 RYAN, G. New Australian Dahlias of merit. Dahlia 20:12-13. Spring 1951. 80 D133
- 65741 SACKVILLE-WEST, V. Wild and natural gardening. Roy. Hort. Soc. J. 76:182-187. June 1951. 84 L84J
- 65742 SAITO, K. Studies on inducing polyploid flower plants and their utilization. II. On several polyploid plants of *Cynoglossum*, *Coreopsis*, *Dianthus* and others. (In Japanese.) Hort. Assoc. Japan. J. 19:107-112. June 1950. 87 H78
English summary.
- 65743 SANCHEZ, A. Vandas in Florida. Amer. Orchid Soc. B. 20:351-353. June 1951. 80 Am329
Reprinted from Tropical Gardening.
- 65744 SANDERS, M. O. The propagation of shrubs. Scot. Home & Country 27:235-236. July 1951. 281.28 Sco3
- 65745 SCHERY, R. W. "Mimosas" [*Albizia julibrissin*] in St. Louis. Mo. Bot. Gard. B. 39:109-111. May 1951. 451 M69B
- 65746 SCHERY, R. W., and MEHLQUIST, G. A. L. Shrubs for shady places. Mo. Bot. Gard. B. 39:91-102. May 1951. 451 M69B
- 65747 SCHLUMPF, R. W. More new daylily introductions. Lone Star Gard. 3(7):10. Spring 1951. 80 L84
- 65748 SCULLY, R. M. Grammatophyllum measurementum. Amer. Orchid Soc. B. 20:410-412. July 1951. 80 Am329
- 65749 SHARPE, H. B. Some wild flowers from Kenya. Gard. Illus. 68:186-187. July 1951. 80 G169
- 65750 SHEWELL-COOPER, W. E. Chrysanthemum stopping; the production of good flowers depends almost entirely on the skill and timing of this operation. Field 197:875. June 2,1951. 10 F45
- 65751 SHEWELL-COOPER, W. E. Evening primroses; the *Oenothera* family embraces some brilliant varieties, all of which take well to almost any soil. Field 197:925. June 9,1951. 10 F45
- 65752 SHEWELL-COOPER, W. E. Making an Alpine lawn. Field 197:999. June 23,1951. 10 F45
Rock gardens.
- 65753 SLATE, G. L. Progress in lily breeding. Gard. J. 1:111-113,118. July/Aug.1951. 80 G1635
- 65754 SLOSSON, E., comp. Pioneer American gardening. New York, Coward-McCann, 1951. 306 p. Ref. 97 SL5
- 65755 SMITH, F. G., and SMYTH, V. D. O. A method of levelling depressions in turf. Bd. Greenkeeping Res. J. 7:342-343. 1950. 60.19 B772
- 65756 SNYDER, R. J., and LARSON, R. E. Petunia hybrids. Sci. Farmer [Pa. Sta.] 1951:8-9. June 1951. 100 P381
- 65757 SOULAIRE, D. Le peyotl [*Lophophora williamsii*] dieu ou diable. Cactus [Paris] 6(27):11-12. Mar.15,1951. 450 C114
- 65758 SOULANGE-BODIN, H. The Gardens of Sceaux. Gard. J. 1:105. July/Aug.1951. 80 G1635
- 65759 STOUT, A. B. Daylilies of today. Flower Grower 38(7):18-19,38-40. July 1951. 80 M72
- 65760 STOUT, A. B. Four new daylily clones. Gard. J. 1:117. July/Aug.1951. 80 G1635
- 65761 STRINGER, H. The ideal label: an old problem. Cactus & Succulent J. Gt. Brit. 13:32-33. Apr.1951. 450 C113
- 65762 STROBEL, G. Was ist "Universal Rose Selection"? Deut. Baumsch. 3:68-69. Mar.1951. 80 D486
- 65763 STUART, N. Research at Beltsville. N. Y. State Flower Growers. B. 67:6-7. Mar.1951. 80 N486
Ornamentals.
- 65764 TAYLOR, B. Pruning roses. Arboretum B. 14:20-21. Spring 1951. 451 Ar1
- 65765 TEANEY, M. A glimpse at Fuchsias. Org. Gard. 19:19. July 1951. 56.8 Or3
- 65766 THOLLE, J. Protect the trees; a Swedish example. (In Danish.) Gart.-Tid. 67:271-272. June 13, 1951. 80 G192
Pruning of roadside trees.
- 65767 THOMAS, G. S. A garden of old roses. Gard. Illus. 68:191-193. July 1951. 80 G169
- 65768 THOMAS, H. H. Show pieces for discerning gardeners. Roy. Hort. Soc. J. 76:188-191. June 1951. 84 L84J
- 65769 THORN, W. C. The Picardy strain of Gladioli. My Gard. 42:265-269. Mar.1951. 80 M995
- 65770 TIEDJENS, V. A. "Yankee lawn" in the South. Gard. J. 1:102,128. July/Aug.1951. 80 G1635
- 65771 TILLINGHAST, D. A. Don't let cold-weather damage to Camellias dampen your enthusiasm. Camellian 2:22-23,30. Mar.1951. 97.31 C14
- 65772 TINKER, W. J. The ornamental trees and evergreen shrubs of Enid, Oklahoma. Okla. Acad. Sci. Proc. 30:216-221. 1949, pub. Apr.1951. 500 Ok42
- 65773 TRAVERSO, O. Annual flowering plants which last several years. (In Italian.) Gior. di Agr. 61:173-174. June 3,1951. 16 ItIG
Italy.
- 65774 TRICKETT, R. S. Two new Nymphaeas. Gard. Chron. 129:212. June 30,1951. 80 G162
- 65775 U. S. PATENT OFF. Plant patents. 4 Nos. 1951. 156.65 P69
Contents: 1007. Axell, F. H. Rose plant. 2 p., 1 col. pl. Mar.13; 1009 Howard, P. J. Rose plant. 2 p., 1 col. pl. Mar.20; 1010. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Apr.3; 1011. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Apr.3.
- 65776 VADE, S. Comment fleurir votre jardin sans jardinier. Vie à la Campagne 40:101-102. Mar.1951. 80 V67
- 65777 VAN MELLE, P. J. Plant for permanence; spreading *Euonymus*. Flower Grower 38(7):8-9. July 1951. 80 M72
- 65778 VARESCHI, V. Der berg blüht; erleben und deutung alpiner pflanzen in wort und bild. Ed. 5. München, Bruckmann, 1950. 152 p. 459 V422
- 65779 VIEHMEYER, G., and WHITNEY, W. C. Chrysanthemum culture in Nebraska. Nebr. Agr. Col. Ext. E. C. 1273, 9 p. 1951. 275.29 N272Ex
- 65780 VINEYARD, O. Flower arrangements; (Some like them dry). Green Thumb [St. Petersburg] 1(7):12-13. May 1951. 80 G822
- 65781 VINEYARD, O. Ideas from friends and neighbors on flower arrangements. Green Thumb [St. Petersburg] 1(6):6-8. Apr.1951. 80 G822
- 65782 WALDEN, M. Stake and be secure. Garden 55(3):56-59. June 1951. 80 G1632
- 65783 WALLACE, P. W. Why I like potted roses. Amer. Rose Mag. 9(6):8-9. May/June 1951. 80 Am327A
- 65784 WASSCHER, J. What is to be seen at the Experiment Station [for Flowers at Aalsmeer] at present. (In Dutch.) Vakbl. v. de Bloemisterij 24:187. June 15, 1951. 80 V22
- 65785 WAUSER, G. Plaidoyer pour le glaieul de chez nous. Cour. Hort. 13:147-148. Mar.1951. 80 C834
- 65786 WEBB, F. R. Dependable roses. Garden 55(2):56-60. Apr.1951. 80 G1632
- 65787 WEBB, F. R. What do you want from your roses? Flower Grower 38(6):22-23,51-52. June 1951. 80 M72
- 65788 WESTERN RESERVE UNIVERSITY. BIOLOGICAL FIELD STATION. Valleeview Test Garden Report 1950, by T. R. Manley. Chagrin Falls, Ohio, 1950. 12 p. 81 W525
Ornamental plants.
Garden Center of Greater Cleveland cooperating.
- 65789 WIGGANS, C. C. House plants and their care. Nebr. Agr. Col. Ext. E. C. 5-131, rev., 10 p. 1951. 275.29 N272Ex
- 65790 WILSON, C. G. Delphiniums are easy. Garden 55(2):25-27. Apr.1951. 80 G1632

- 65791 WILSON, F. C. Tricks of repotting. *Garden* 55(2):61-62. Apr. 1951. 80 G1632
- 65792 WISTER, J. C. The best in flowering crab-apples. *Arborist's News* 16:25-28. Mar. 1951. 99.8 Ar14
- 65793 WISTER, J. C. New Rhododendrons for our North Atlantic States. *Gard. J.* 1:68-70. May/June 1951. 80 G1635
- 65794 WRIGHT, F. H. Some interesting Bromeliads. *Gard. Chron.* 129:166. May 26, 1951. 80 G162
- 65795 WRIGHT, P. H. Two Stenographer lilies. *Horticulture* 29:254. July 1951. 80 H787
- 65796 WULFF, H. D. Rosa kordesii, eine neue amphidiploide rose. *Züchter* 21:123-132. Ref. 1951. 442.8 Z8
- 65797 WYLAM, W. E. Growing Camellias in containers. *Camellian* 2:6,13. Mar. 1951. 97.31 C14
- 65798 WYMAN, D. Small street trees. *Conn. Woodlands* 16:12. Mar. 1951. 99.8 C76

Vegetable and Truck Crops (Including Potatoes)

- 65799 AMERICAN potato yearbook, 1951. Westfield, N. J., 1951. 80 p. 75.8 Am32
- 65800 BANGA, O. Krotensstudies. VIII. Veredelingsmethodiek bij de rode biet. Studies of red garden beet. VIII. Breeding methods of red garden beet. Inst. v. de Veredeling van Tuinbouwgewassen. *Meded.* 21,18 p. Nov. 1950. 86 W12
- English summary.
- 65801 BEATTIE, J. H., and DOOLITTLE, S. P. Watermelons. U. S. D. A. Farmers' B. 1394, rev., 30 p. Feb. 1951. 1 Ag84F
- Earlier editions written by W. R. Beattie.
- 65802 BEJVL, J. The new methods in cultivation of potatoes. (In Czech.) *Českoslov. Akad. Zeměděl. Věst.* 25:55-59. Apr. 1951. 19.5 C332
- 65803 BELL, G. W. B. Water cress. *Fruitation* 5(6):12. July 1951. 286.83 F949
- Chiefly culture.
- 65804 BENDER, E. K., and STARK, F. C. How to cultivate tomatoes. *Md. Agr. Col. Ext. Fact Sheet* 29,2 p. May 1951. 275.29 M36Fa
- 65805 BENDER, E. K., and STEVENS, R. F. Vegetable gardens. *Md. Agr. Col. Ext. B.* 141,27 p. Apr. 1951. 275.29 M36B
- 65806 BISWAS, K., and KUMARAN, M. A. S. The Indian Dioscoreas and their importance on dietary. (Abs.) *Indian Sci. Cong. Proc.* 36(3):127. 1949. 513 In22
- 65807 BLIEK, H. How can I learn to garden? (In Dutch.) *Volkstuin* 34:68. June 1951. 80 V88
- Vegetable gardening.
- 65808 BOWERS, J. L., HURT, B. C., and CAMPBELL, J. A. Tests show lima beans adapted as processing crop. *Miss. Farm Res. [Miss. Sta.]* 14(6):1,7. June 1951. 100 M69Mi
- Includes varieties and yields.
- 65809 BROOK, T. B. This method cuts production costs. *Grower [London]* 35:1363,1365. June 30, 1951. 286.83 M34
- Mushroom culture.
- 65810 BRUUN-MÖLLER, P. Utilization of the vegetable garden. (In Danish.) *Haven* 51:88. June 1951. 80 H29
- 65811 CAMPBELL, J. C. 1950 potato variety trials. *Hints Potato Growers* 31(11):1-2,4. Mar. 1951. 75.9 H59
- 65812 CHATELIER, P. A. Planning your Liberty garden. *Green Thumb [St. Petersburg]* 1(6):13-15. Apr. 1951. 80 G822
- 65813 CORTIN, B. Goda matsvampar med svenskt svamplexikon [Good mushrooms with the Swedish mushroom manual]. Stockholm, Lantbruksförbundets Tidsskrifts Aktiebolag, 1950. 152 p. 462.5 C812
- 65814 COX, C. E., WEAVER, L. O., and BENDER, E. K. Use only inspected tomato plants—plant adapted varieties. *Md. Agr. Col. Ext. Fact Sheet* 15,2 p. Apr. 1951. 275.29 M36FA
- 65815 COX, J. A., and MOREAU, A. C. The 4-H Club Irish potato manual. *La. Agr. Col. Ext. P.* 1056, 7 p. Feb. 1951. 275.29 L93Ep
- 65816 DAWES, T. C. R. Early potato culture in the Pukekohe district. *New Zeal. J. Agr.* 82:423,425-426. May 1951. 23 N48J
- 65817 DELTEIL, Y. Produisez des semences potagères. *Tarn-et-Garonne Agr.* 14:83-84. (To be cont.) May 1951. 14 T17
- 65818 EYSTER, W. H. The vegetable garden. VI. *Org. Gard.* 19:32-34. July 1951. 56.8 Or3
- 65819 FABIANI, L. Chronic trouble in potato culture. (In Italian.) *Humus* 7(1):7-9. Jan. 1951. 16 H88
- 65820 FLESCNER, O. "Biomull" für die gemüsejungpflanzenanzucht. *Gart.-Z. Illus. Flora* 74:34-35. Mar. 1951. 80 G1991
- 65821 FRIEBE, P. Treibkartoffelbau; verfahren zum überwintern und vorkeimen von früh- und spätkartoffeln. Ed. 3, rev. Berlin, Parey, 1950. 112 p. 75 F91T
- 65822 HARDY, J., and FOXMAN, S. Rural science and the school garden (food production). London, Allman, 1951. 188 p. 90.41 H22
- 65823 HARTLEY-CLARK, W. H. How to train giant corn cobs. *Health & Soil* 1951:19-20. Spring 1951. 56.8 H34
- 65824 HARTMAIR, V. Ergebnisse der gemüsesortenversuche des jahres 1950. Bundesanst. f. Alpine Landwirtschaft. *Versergerb.* 10,32 p. 1951. 19 Ad6V
- 65825 HEBEL, W. T. Vegetable crops on contour. *New Eng. Homestead* 124(13):18-19. July 14, 1951. 6 N442
- 65826 HERTEL, F. Anleitung zum gemüsebau. Minden, Hachmeister & Thal, 1950. 96 p. (Lehrmeister-Bücherei Nr. 38/39) 91.15 H44
- 65827 HICKEY, J. C. Downeast canning crops. *N. H. Hort. Soc. J.* 14:71-74. 1951. 81 N452J
- 65828 HINTZE, S. Sortförsök med spritböna vid Alnarp och Nyckelby [Variety trials with field beans at Alnarp and Nyckelby]. *Alnarps Lantbr.-Mejeri- och Trädgårdsinst. Stat. Trädgårdsförsök. Meddel.* 61,6 p. 1951. 86 AL64
- English summary.
- 65829 HOFFMAN, I. C. Planting, temperature, starter solutions, soil warming vital in know-how of producing early greenhouse tomatoes. *Mkt. Growers J.* 80(7):10,28-29. July 1951. 6 M34
- 65830 HOLMES, G. Singling out root crops. *Mod. Poultry Keeping* 64:659. June 13, 1951. 47.8 Eg3
- 65831 HOYMAN, W. G., and MATTSOHN, H. The Kennebec potato in North Dakota. *N. Dak. Agr. Expt. Sta. Bimon. B.* 13:139-141. Mar./Apr. 1951. 100 N813B
- 65832 HUMFELD, H. Production of mushroom mycelium. U. S. D. A. Ybk. 1950/51:242-245. 1 Ag84Y
- 65833 IRWIN, D. JR. From the fertile Pacific Coast come the popular Blue Lake green beans. *Restaurant B.* 171:6,22-23. June 1951. 389.8 R312
- 65834 JÄHNEL, G. Ergebnisse der kartoffelversuche des jahres 1950. Bundesanst. f. Alpine Landwirt. *Versergerb.* 8,31 p. 1951. 19 Ad6V
- 65835 KAMAT, M. N. Simla seed-potatoes. *Poona Agr. Col. Mag.* 41:285-287. Feb. 1951. 22 P79
- 65836 KIEKENAPP, E. J. "Midgets" for your vegetable patch. *Garden* 55(2):51-53. Apr. 1951. 80 G1632
- 65837 KOPPIKAR, G. R. Supplementary food crops—a way to fight food crisis. *Poona Agr. Col. Mag.* 41:290-296. 22 P79
- Includes vegetables.
- 65838 KRIECHBAUM, R. Die tomatenkultur im bergland. *Gart.-Z. Illus. Flora* 74:32-33. Mar. 1951. 80 G1991
- 65839 KRÜGER, C. Warum aussaat von hybridenmais im juni? *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:856. June 7, 1951. 18 L2346
- 65840 LEGGERI, L. Culture of tomatoes in Italy. (In Italian.) *Mezzogiorno Agr.* 7(21):3-4. May 27/June 2, 1951. 16 M57
- 65841 L'ETACQ, E. The Jersey potato crop. *Field* 197:917-918. June 9, 1951. 10 F45
- 65842 MATHEW, N. T., and GANGULY, D. M. A sample survey for estimating requirements of potato seeds in west Bengal. (Abs.) *Indian Sci. Cong. Proc.* 36(3):11. 1949. 513 In22
- 65843 MATTSOHN, H., and JOHANSEN, R. Potato variety trials in North Dakota, 1950. *N. Dak. Agr. Expt. Sta. Bimon. B.* 13:165-170. Mar./Apr. 1951. 100 N813B
- 65844 MOORE, J. G. Cabbage culture in Wisconsin. *Wis. Agr. Col. Ext. Stencil C.* 184, rev., 15 p. Mar. 1951. 275.29 W75S
- 65845 MORGAN, C. N. Root crop vegetables. *Queensland Agr. J.* 72:266-277. May 1951. 23 Q35
- Culture.
- 65846 MORGAN, L. There's a growing market for endive. *Smallholder* 85(2142):11. June 8, 1951. 10 Sm1
- Types and production methods.
- 65847 MOROCCO. SERV. DE L'HORTICULTURE. Compte rendu d'un essai comparatif de 6 variétés de pommes de terre à la Station Régionale Horticole de Dar Bouazza. *Terre Marocaine* 25:153-155. May 1951. 24 T44
- 65848 MORRISON, G. The biggest "bean" you ever grew. *Garden* 55(2):67-69. Apr. 1951. 80 G1632

- 65849 MORROW, M. G. Wealthy South, healthy North. *Sci. News Let.* 60:42-43. July 21, 1951. 470 Sci24
Vegetable breeding program.
- 65850 MOSER, J. C. List of certified sweet potato growers, 1950-1951. *Tenn. Dept. Agr. Div. Insect & Plant Dis. Control.* B. 107,4 p. 1951. 423 T25
- 65851 MOZAWA, R. Studies on the fruiting of squash. (In Japanese.) *Hort. Assoc. Japan. J.* 19:157-160. Ref. June 1950. 87 H78
English summary.
- 65852 MUNSTER, J. Causes probables des accidents constatés dans la levée des plants de pommes de terre en 1950. *Rev. Romande d'Agr. de Viticult. et d'Arboricult.* 7:25-28. Apr. 1951. 17 J82A
- 65853 NAKAGAWA, Y. Snap bean production in Hawaii. *Hawaii. U. Agr. Ext. C.* 306,13 p. Apr. 1951. 275.29 H312Ac
- 65854 NISWONGER, H. R. Farm and home garden manual. *N. C. Agr. Col. Ext. C.* 122,43v.,16 p. Feb. 1951. 275.29 N811
Vegetable culture.
- 65855 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Progress report for 1951, Oklahoma Vegetable Research Station at Bixby, Oklahoma. *Okla. Agr. Expt. Sta. Mimeog. C. M-225,9 p.* June 28, 1951. 100 Ok4M
- 65856 PAL, B. P., and PUSHKARNATH. Potato-breeding investigations in India. *Empire J. Expt. Agr.* 19:87-103. Ref. Apr. 1951. 10 Em7
- 65857 PALUDAN, H. Miscellaneous observations on mushroom culture. (In Danish.) *Gart.-Tid.* 67:266-270. June 13, 1951. 80 G192
- 65858 PAUR, S. A new easy cooking pinto bean for New Mexico—No. 2574. *N. Mex. Agr. Expt. Sta. Press B.* 1051,3 p. Feb. 1951. 100 N465
- 65859 PETERSSON, G. Care of the potato crop. (In Swedish.) *Lantmannen* 35:440-441. June 2, 1951. 11 L234
- 65860 PREST, R. L. Vegetable seed-bed preparation. *Queensland Prod. 32(32):14-15.* Feb. 7, 1951. 23 Q35
- 65861 PUJALS, E. A. Maíces híbridos azucarados. *Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz* 5:69-76. 1950. 59.9 P41
Includes discussion.
- 65862 RANDALL, G. O. Early vegetable plants. *N. C. Agr. Col. Ext. C.* 231,rev.,18 p. Apr. 1951. 275.29 N811
Use of hotbeds, coldframes, and greenhouses.
- 65863 READ, J. H. The Cordon cucumber. *My Gard.* 42:289-291. Mar. 1951. 80 M995
- 65864 REYNOLDS, J. D. Growing peas for harvesting dry. *Essex Farmers' J.* 30(3):36,39-40. (Concl.) May 1951. 10 Es72
- 65865 REYNOLDS, J. D. Pea growing in Holland and Belgium. 1. General husbandry. *Gt. Brit. Min. Agr. Agriculture* 58:122-127. June 1951. 10 G79J
- 65866 RICK, C. M. Male-sterile tomatoes. *Fruit & Veg. Rev.* 13(4):26. July 1951. 80 C1224
- 65867 RIEMAN, G. H., and others. Clonal variations in the Chippewa potato variety. *Amer. Potato J.* 28:625-631. June 1951. 75.8 P842
H. M. Darling, R. W. Hougas, and M. Rominsky, joint authors.
- 65868 ROSE, J. W. Do yourself a favor—raise a garden. *Mich. Pub. Health* 39:50-51. Mar. 1951. 449.7 M58M
Vegetables.
- 65869 RÖSSGER, W. Über keimdiffenzenzen bei kopf-salatsamen. *Saatgut-Wirt.* 3:39. Feb. 1951. 61.8 Sa1
- 65870 SCHAPER, P. Pflanzgut- und sortenwahl für 1951. *Deut. Landwirt. Presse* 74:86. Apr. 7, 1951. 18 D482
Potato culture.
- 65871 SEELIG, R. A. Fruit & vegetable history. 14. Cauliflower. *Fruit & Veg. Rev.* 13(4):14-15. July 1951. 80 C1224
- 65872 SHEWELL-COOPER, W. E. Broccoli problems; choice of variety is all-important, and will depend on where you live, for frost is the chief danger. *Field* 197:795. May 19, 1951. 10 F45
- 65873 SHEWELL-COOPER, W. E. Why leeks deserve more care. *Field* 197:1043. June 30, 1951. 10 F45
- 65874 STADEN, J. F. VAN. Neglect of agricultural research in Free State; vegetable growers need experimental farm for expert advice on many problems. *Farmer's Wk. [Bloemfontein]* 81:49. May 30, 1951. 24 F225
- 65875 STARK, F. C., and HAUT, I. C. Growing sweet corn for canning. *Md. Agr. Col. Ext. B.* 139,11 p. Mar. 1951. 275.29 M36B
- 65876 THEAU, A. Le haricot riz [*Phaseolus acutifolius*]. *Rev. Hort. de l'Algérie* 55:8-10. Jan. 1951. 87 R32
- 65877 THOMSON, A. G. To kill potato haulms. *Farmer & Stock-Breeder* 65(3213):76. May 22, 1951. 10 F228
- 65878 VAN BLOMMESTEIN, J. A. Climate and vegetable production. *Farming So. Africa* 26:114-115. Apr. 1951. 24 So842
- 65879 VARMA, S. R. Trials on the production of the European type of biennial vegetable seeds in the Hills for the years 1948-1949. *Indian J. Hort.* 8:18-19. Mar. 1951. 80 In2
- 65880 VISMARA, C. A. Mejoramiento de repollo ("Brassica oleracea" var. "capitata" L.). *La Plata. U. Nac. Facul. de Agron. Rev.* 27:233-247. Ref. July 1950. 9 R32
English summary.
- 65881 WATERMELON GROWERS AND DISTRIBUTORS ASSOCIATION. Minutes of the thirty-sixth annual convention. *Gainesville, Fla., 1950.* 280.3939 W31
- 65882 WEILING, F. Artkreuzungen beim kurbis. *Naturwissenschaften* 38:262. June 1, 1951. 474 N213
- 65883 YAGER, L. A. Boost tomato yields. *Mont. Farmer-Stockman* 38(19):22-23. June 1, 1951. 6 M764
Culture.

WEEDS AND POISONOUS PLANTS

- 65884 ALIBERT, H. Les désherbants sélectifs à base de 2,4-D. *Rev. Agr. de l'Afrique du Nord* 49:135-136. Feb. 16, 1951. 80 R326
- 65885 AUGENSTEIN, J. B. Sodium TCA for control of grasses. *Tree Planters' Notes* 1951(4):10-11. Apr. 1951. 1.962 C5T71
- 65886 BERNUTH, W. VON. Unkrautbekämpfung und weidepflege wichtig. *Unser Milchvieh* 3(6):6. *In Molk.-Ztg.* 5(23). June 7, 1951. 44.8 M735
- 65887 BLACKMAN, G. E., and WOODFORD, E. K. Chemical weed control. *Yorkshire Agr. Soc. J.* 102:38-43. 1951. 10 Y7
- 65888 BLASZYK, P. Unkrautbekämpfung im flachs. *Nachrl. des Deut. Pflanzenschutzdienstes* 2:140. Sept. 1950. 442.9 B832
- 65889 BORDELEAU, R., and COITEUX, F. Résultats d'expériences sur l'enraiment des mauvaises herbes dans les cultures de betteraves sucrières. *Rev. d'Oka* 25:27-31. Mar./Apr. 1951. 7 Ok1
- 65890 BRANDT. Weg mit den binsen! *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:823-824. May 31, 1951. 18 L2346
- 65891 BROOKS, R. O. Oil spray weeding as applied to forest nurseries in Pennsylvania. *Tree Planters' Notes* 1951(4):6-7. Apr. 1951. 1.962 C5T71
- 65892 CADOGAN, J. It affects your yield; weed control and early and careful singling. *Beet Grower* 5:53-56. Apr. 1951. 66.8 B392
- 65893 CAYOUILLE, R. Euphorbia esula L. dans le Québec. *Rev. d'Oka* 25:36-38. Mar./Apr. 1951. 7 Ok1
- 65894 CHABROLIN, C. Dix années de recherches et d'essais sur le désherbage sélectif des céréales. Position actuelle du problème. *Acad. d'Agr. de France. Compt. Rend.* 37:219-222. 1951. 14 P215Bc
Introduction by F. Boeuf.
- 65895 CHATTERJEE, R. N., and RAZADA, M. B. Corn cockle [*Lycnis githago*]—a poisonous seed in imported wheat. *Indian Farming* 11:226-228. June 1950. 22 In283
- 65896 COSSITT, F. M. Weeding with oil. *Tree Planters' Notes* 1951(4):3-4. Apr. 1951. 1.962 C5T71
- 65897 COTTA, A. Weeds. (In Italian.) *Schweiz. Z. f. Forstw.* 102:221-227. Apr. 1951. 99.8 J82
German summary.
- 65898 CURRIER, H. B. Herbicidal properties of benzene and certain methyl derivatives. *Hilgardia* 20:383-406. Ref. Feb. 1951. 100 C12H
- 65899 DAY, B. E. Chemical weed control. *Calif. Citrog.* 36:354,374-375. July 1951. 80 C125
- 65900 DOWNING, G. R. A mullein "mystery." *Nat. Mag.* 44:376. Aug./Sept. 1951. 409.6 N214
- 65901 EASTERBROOK, B. Weed control; control of eucalypt seedlings and suckers. *Queensland Agr. J.* 72:159-161. Mar. 1951. 23 Q33
- 65902 ELLISON, E. J. The use of oil sprays for the control of weeds in coniferous nurseries in New York. *Tree Planters' Notes* 1951(4):4-6. Apr. 1951. 1.962 C5T71
- 65903 ELLENWOOD, C. W. New sprays rout poison ivy from orchards. *Ohio Farmer* 208(2):16-17. July 21, 1951. 6 Oh3

- 65904 EVERIST, S. L. Hoary cress declared a noxious weed. Queensland Prod. 32(34):25. Feb. 21, 1951. 23 Q35
Lepidium draba.
- 65905 FENTON, E. W. The bracken menace is growing. Health & Soil 1951:27-28. Spring 1951. 56.8 H34
- 65906 FEUCHTER. Zwei verbreitete luzerneunkräuter. Bad. Landwirt. Wehnl. 118:284. May 12, 1951. 18 B142
Taraxacum officinale and Senecio vernalis.
- 65907 FISKE, J. G. Plants called weeds. Gard. J. 1: 108-110. July/Aug. 1951. 80 G1635
- 65908 FLUIT, A. A. M. Weed control. (In Dutch.) Zeeuwisch Landbbl. 39(2069):3-4. May 5, 1951. 12 Z2
- 65909 GODOY, E. F. Ensayo de control de malezas en maíz por medio de herbicidas hormonales. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:194-195D. 1950. 59.9 P41
Includes discussion.
- 65910 GOODCHILD, N. E. Control of Lantana by cultural methods in the Mackay district. Queensland Prod. 32(34):4-5. Feb. 21, 1951. 23 Q35
- 65911 GRIGSBY, B. H. Control of mossy stonecrop (Sedum acre L.) and certain other lawn weeds. Mich. Agr. Expt. Sta. Q. B. 33:326-331. May 1951. 100 M58S
- 65912 GUNDERSON, H., and SYLWESTER, E. P. Spraying grows up. Iowa State Col. Agr. Ext. Iowa Farm Sci. 5:190-192. June 1951. 275.28 Io94
Chemical control of weeds and insect pests.
- 65913 HALLIDAY, D. J., and TEMPLEMAN, W. G. Field experiments in selective weed control by plant-growth regulators. IV. The effect of plant-growth regulators upon the productivity of grassland. Empire J. Expt. Agr. 19:104-112. Ref. Apr. 1951. 10 Em7
- 65914 HAMILTON, R. D., WHITFIELD, C. J., and REA, H. E. Chemical control of blueweed [Helianthus ciliaris]. Tex. Agr. Expt. Sta. Prog. Rpt. 1375, 2 p. May 29, 1951. 100 T31P
- 65915 HOFSTEN, C. G. VON. The fight against perennial weeds. (In Swedish.) Lantmannen 35:480-481. June 16, 1951. 11 L234
- 65916 HOGUE, L. E., ROTHGEB, R. G., and STABLER, S. P. Chemical weed control in field crops. Md. Agr. Col. Ext. Fact Sheet 13, 4 p. Apr. 1951. 275.29 M36FA
- 65917 HOLMES, E. Modern methods of weed control. Roy. Hort. Soc. J. 76:207-216. June 1951. 84 L84J
- 65918 HOLSTUN, J. T., JR. Tentative weed control practices for Delta area. Miss. Farm Res. [Miss. Sta.] 14(4):1, 7. Apr. 1951. 100 M69Mi
- 65919 HULL, A. C., JR., and VAUGHN, W. T. Big sagebrush yields to chemicals. Amer. Cattle Prod. 33(2): 9-10, 29. July 1951. 49 P94
- 65920 KANSAS STATE BOARD OF AGRICULTURE, NOXIOUS WEEDS DIV. State official methods for eradication of noxious weeds and recommendations for control of weeds in crops, pastures and roadsides. Kans. State Bd. Agr. Rpt. 69(298):1-21. Aug. 1950. 2 K13Re
- 65921 KUMMER, A. P. Weed seedlings. Chicago, U. Chicago Press, 1951. 435 p. 454 K96
- 65922 LAPLANTE, J. E. Contrôle des mauvaises herbes sur pâturages. Rev. d'Oka 25:32-35. Mar./Apr. 1951. 7 Ok1
- 65923 LING, L. Weed control by growth-regulating substances. Food and Agr. Organ. United Nations. FAO Agr. Studies 13, 36 p. Jan. 1951. 28 F73
- 65924 LOUSTALOT, A. J. Destrucción con TCA de zacates en campos recién plantados de caña de azúcar. Turrialba 1:204-205. Apr. 1951. 8 T86
Sodium trichloroacetate.
- 65925 MAHNER, A. Unkrautbekämpfung im neu angelegten garten. Kosmos 47:140-141. Mar. 1951. 474 K842
- 65926 MARCELLI, E. Result of a second year of tests to control Cyperus rotundus L. with 2, 4-D. (In Italian.) Tabacco 55:120-126. Apr. 1951. 69.8 T115
- 65927 MEYER-HERMANN. Die bekämpfung der unkräuter im wintergetreide mit kalkstickstoff. Gesunde Pflanzen 3:48-49. Mar. 1951. 464.8 G33
- 65928 MEYN, W. An undesirable plant. Fuchsia Fan 11(4):4-5. Apr. 1951. 96.532 F952
Poison oak.
- 65929 MOORE, H. I. Rush control in pasture. Bd. Greenkeeping Res. J. 7:356-362. 1950. 60.19 B772
- 65930 MÜHLETHALER, P. Unkrautbekämpfung im ackerbaubetrieb. Schweiz. Bauer 105(48):1-2. Apr. 27, 1951. 17 Sch95
- 65931 NINER, G. C. Control of weeds with Dowfume MC-2 in woody stock production at the Albuquerque SCS nursery. Tree Planters' Notes 1951(4):9-10. Apr. 1951. 1.962 C5T71
- 65932 OLIVER, D. A. Study of methyl-bromide as weed control in Parsons Nursery. Tree Planters' Notes 1951(4):8-9. Apr. 1951. 1.962 C5T71
- 65933 ORDANINI, P. The use of selective herbicides in growing grain in the Province of Milan. (In Italian.) Humus 7(2):23-27. Feb. 1951. 16 H88
Includes equipment.
- 65934 PIACCO, R. Chemical weeding of the rice field with particular reference to the use of "Weedone" (In Italian.) Riscicoltura 39:1-8. Jan. 1951. 59.8 G43
- 65935 RADEMACHER, B. Der derzeitige stand der forschung über die anwendung von wuchsstoffen als herbizide. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70: 33-36. Feb. 1951. 410.9 G31M
- 65936 ROBINSON, J. W. Varsol tried on black locust seedbeds. Tree Planters' Notes 1951(4):7-8. Apr. 1951. 1.962 C5T71
Weed control.
- 65937 SALTER, R. M. Fantastic progress made in weed control study. (Condensed.) West. Grower & Shipper 22(8):17, 37, 41-44. July 1951. 280.38 W52
- 65938 SCHERY, R. W. Evaluation of a selective crabgrass killer. Mo. Bot. Gard. B. 39:74-82. Apr. 1951. 451 M69B
Scutl, phenyl mercuric acetate.
- 65939 SCOTT, W. O. Watch out for giant foxail. Farm J. 75(8):40. Aug. 1951. 6 F2212
- 65940 SMITH, W. S. Soursof [Oxalis cernua] poisoning of sheep. So. Austral. Dept. Agr. J. 54:377-378. Mar. 1951. 23 So84
- 65941 SMITH, W. W. The use of chemicals in weed control. N. H. Hort. Soc. J. 14:120-124. 1951. 81 N42J
- 65942 TAYLOR, R. F. Use of Dowfume MC-2 as insect and weed killing agent in a forest tree nursery in Maine. Tree Planters' Notes 1951(4):12-13. Apr. 1951. 1.962 C5T71
- 65943 TEMPLEMAN, W. Chemical weed control. (Extr.) Chem. Age 64:988-989. June 30, 1951. 382 C427
- 65944 TILMANS, E. M., and DETROUX, L. Considérations sur l'utilisation des herbicides sélectifs dans les cultures de céréales. Rev. de l'Agr. 4:611-619. May 1951. 13 R322
- 65945 TOMASELLI, R. Application of the phytosociological method to evaluate the efficacy of herbicides. (In Italian.) Humus 7(1):23-29. Jan. 1951. 16 H88
- 65946 TRUMP, F. Geese weed berries. Mich. Farmer 216:5, 25. July 7, 1951. 6 M58
- 65947 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Chemicals for controlling brush, by R. L. Lovvorn and M. E. Bliss. Washington, 1951. 3 p. 1.914 R2R11
- 65948 VALLANCE, L. G. Pre-emergence and post-emergence control of weeds by chemical sprays. Queensland Soc. Sugar Cane Technol. Proc. 18:21-25. 1951. 65.9 Q332
- 65949 VIDME, T. Mineral oils as weed killer. (In Norwegian.) Landbrukstidende 57:445-449. June 6, 1951. 11 L236
- 65950 VIDME, T. Our most important weapon in the fight against weeds. (In Norwegian.) Norsk Landbr. 17: 227-232. (Concl.) June 8, 1951. 11 N8122
- 65951 WALKER, A. H. Chemical control of mesquite. Tex. Livestock J. 10(4):9, 56. Apr. 1951. 49 T29
- 65952 WARREN, R., and FREED, V. Tansy ragwort, a poisonous weed. Oreg. State Col. Ext. B. 717, 6 p. May 1951. 275.29 Or32B
- 65953 WILLARD, C. J. Weed control in forages. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p. 461-465. Ames, 1951. 60 H87
- 65954 WOLCOTT, A. R. Bromegrass as an effective agent in quackgrass control. Mich. Agr. Expt. Sta. Q. B. 33:343-350. May 1951. 100 M58S
- 65955 WOLFE, H., and OVERLAND, A. Tansy Ragwort (Senecio jacobaea), a growing menace in Washington. Wash. State Col. Ext. Mimeog. 958, 3 p. Mar. 1951. 275.29 W27Mi
- 65956 WOOD, I. D. Danger!! Silent thieves at work. West. Farm Life 53(12):5. June 15, 1951. 6 R153
Weed control.
- 65957 WOODWARD, C. H. Latest news on chemical weed control. Flower Grower 38(6):30-31, 46-49. June 1951. 80 M72
- 65958 YEATES, J. S. Control of gorse. Massey Agr. Col. Sheepfarming Annu. 3:148-151. Nov. 1950. 45.9 M38S

65959 ZAHNLEY, J. W., and WOESTEMEYER, V. W. Controlling weeds in Kansas with 2,4-D and other chemicals. Kans. State Bd. Agr. Rpt. 69(298):22-32. Aug. 1950. 2 K13Re

MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, Etc.)

65960 ALVAREZ CHAVEZ, B. Cultivo de la oca; preparación de la "caya". Vida Agr. [Lima] 28:375-376. May 1951. 9.8 V66

Olaxis tuberosa.

65961 BELLAMY, R. F. You can't starve in the woods; in Florida, you can eat anything the squirrels eat—and then you can eat the squirrels. Fla. Wildlife 4(12):10-11, 25-26. May 1951. 410 F663

65962 BENSON, J. P. Development of coffee in the Meru District. Kenya. Dept. Agr. Annu. Rev. 1950:11-14. 24 K423

65963 BEUTTEL, E. Silphion, eine berühmte heilpflanze des altertums. Deut. Apoth.-Ztg. 91:409-410. June 8, 1951. 36.8 Su2

Ferula sp.?

65964 BISWAS, K., and KUMARAN, M. A. S. *Cephaelis ipecacuanha* (Brot) A. Rich.—The emetine yielding plant, its botany and scope for cultivation in India. (Abs.) Indian Sci. Cong. Proc. 36(3):150-151. 1949. 513 In22

65965 BISWAS, K., and ALI, B. Common paper yielding plants of India. (Abs.) Indian Sci. Cong. Proc. 36(3):150. 1949. 513 In22

65966 BONDAR, G. Instructions for the planting of *Hevea brasiliensis*. (In Portuguese.) Selec. Agr. 6(61):21-25/ May 1951. 9.2 Se4

65967 BRAY, G. T. The cultivation and production of tung oil. I. World Crops 3:247-250. July 1951. 2818 W892

65968 BUSBEY, R. L. Plants that help kill insects. U.S. D. A. Ybk. 1950/51:765-771. 1 Ag84Y

65969 CALZECCHI-ONESTI, A. The caper. (In Italian.) Italia Agr. 88:271-275. May 1951. 16 It1

Botanical aspects.

65970 CASTANO, J. J. Estudio sobre el desarrollo del Inga santafereno en suelos de cafetales viejos. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 2(14):36-46. Feb. 1951. 68.29 C332

65971 COIT, J. E. The carob. Calif. Avocado Soc. Ybk. 35:45-47. 1950. 81 C128

65972 COLLING, R. H. A plan for replanting rubber with the minimum loss of crop. Rubber Res. Scheme Ceylon. Q. C. 26:23-25. Dec. 1950. 78.9 C33Q

65973 CUTAK, L. Agaves—potential source of a new drug? Mo. Bot. Gard. B. 39:67-74. Apr. 1951. 451 M69B

65974 FERREIRA, F. H. Beauty, utility and magic. Trees & New Earth 14:201-204. Spring 1951. 99.8 T714

From index slip.

65975 FEUSTEL, I. C., and CLARK, F. E. Opportunities to grow our own rubber. U. S. D. A. Ybk. 1950/51:367-374. 1 Ag84Y

65976 HORN, E. F. Possibilities for coffee culture in the State of Pará. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 26:213-222. Mar. 1951. 68.29 Sa63

65977 FOUARGE, E. Bienfaits des plantes. B. Hort. (n.s.):6:115. (To be Cont.) Apr. 1, 1951. 80 B873

Herbs.

65978 GADDUM, E. W. Pyrethrum breeding in Kenya. Kenya. Dept. Agr. Annu. Rev. 1950:4-7. 24 K423

65979 GREGORY, L. E. Una nota sobre el enraizamiento de clones de *Hevea*. Turrialba 1:201-203. Apr. 1951. 8 T86

65980 GUTIERREZ, H. P. El cultivo del lúpulo en el país. Bolsa de Com. Rosario. Rev. 39(944):18-22. May 15, 1951. 287 R71

65981 HABRAN, R. Le pissenlit. *Taraxacum officinale*. B. Hort. (n.s.):6:114. Apr. 1, 1951. 80 B873

65982 HACKFORTH-JONES, G. J. Factors affecting jasmine odour. Amer. Perfumer & Essential Oil Rev. 58:25-27. July 1951. 308.8 Am3

Culture of *Jasminum*.

65983 HADLEY, P. Winter rosettes; can you recognize these "honey plants" in winter? Mod. Beekeeping 35:99-100. Mar. 15, 1951. 424.8 B397

65984 HARLER, C. R. Tea planting in Southern Rhodesia; achievements and possibilities. Nyasaland Agr. Q. J. 9:108-115. Oct. 1950, pub. Apr. 1951. 24 N983

65985 HASELER, J. Mint or mints? My Gard. 42:315-317, 319. Mar. 1951. 80 M995

65986 HEREDIA H., H. Nuestro oriente, un futuro promisor! Algunas sugerencias para una selección de arboles de jebe (*Hevea*) en Madre de Dios. Mensajero Agr. 55/56:26-28, 41. 1950. 9.8 M52

65987 HIGBEE, E. C. Of man and the Amazon. Geog. Rev. 41:401-420. July 1951. 500 Am35G

Includes rubber plants.

65988 HOEK, A. P. V. D. Spice culture. (In Dutch.) Groninger Landtbl. 29(26):15-16. June 30, 1951. 12 G892

65989 HOWE, H. Sell herbs for more profits. Pacific Coast Nurseryman 10(3):18. Mar. 1951. 80 P116

65990 JOLY, R. L. Les plantes aromatiques des hauts-plateaux. Indus. de la Parfumerie 6:159-160. May 1951. 308.8 In2

Algeria.

65991 KUPPERS-SONNENBERG, G. A. Topinambur—die knollensonnenblume; bienenweide und futterpflanze. Bienenwarte 4:73-74. Mar. 25, 1951. 424.8 B4722

65992 LAYCOCK, D. H. An experiment on the spacing of tea; a study of planting density and crop yield. Nyasaland Agr. Q. J. 9:103-108. Oct. 1950, pub. Apr. 1951. 24 N983

65993 LUNA ERCILLA, C. A. La palmera productora de paja rafia. Pampa Argentina 24(279):13. Mar. 1951. 9 P19

Raphia.

Also in: Bolsa de Com., Rosario. Rev. 39(942)9-10; Apr. 15, 1951; 287 R71.

65994 MEJÍA LIÉVANO, E. Urgente la selección de la semilla del cacao. Rev. Agr. y Ganad. 13(134):22-24. Mar. 1951. 9.4 R327

65995 MELVILLE, A. R. Work of the Coffee Research Station and Demonstration Farm, Ruiru. Kenya. Dept. Agr. Annu. Rev. 1950:14-15. 24 K423

65996 MITRA, G. C., and CHAKRAVARTY, D. Preliminary investigations on growth of *Cephaelis ipecacuanha* under tropical conditions of Calcutta. (Abs.) Indian Sci. Cong. Proc. 36(3):144-145. 1949. 513 In22

65997 MOLFINO, J. F. Plantas medicinales: la corteza de "quebracho blanco." Chacra 21(247):51. June 1951. 9 C34

65998 MOSHI NATIVE COFFEE BOARD. Annual report for the year 1st July 1949 to 30th June 1950. Moshi, Tanganyika, 1950. 92 p. 68.29 M85

65999 OVERSACQ, J. Les plantes qui guerissent le pissenlit officinal [*Taraxacum officinale*]. Cour. Hort. 13:163-164. Mar. 1951. 80 C834

66000 PACHECO ACUNA, C., and PACHECO ACUNA, D. Procedimientos técnicos en la explotación tealera. Hacienda 46(7):40-41. July 1951. 6 H11

66001 POTTER, G. F. Effect of low temperatures on tung trees in late 1950, early 1951; bumper crop foiled. Amer. Tung News 1951:8-10. July 1951. 307.8 Am33

66002 RABAK, F. The importance of quality to hop growers and brewers. Hopper 7(11):10-14. Feb. 1951. 70.8 H77

66003 REGO, J. B. Plantas medicinales de la flora argentina. Pampa Argentina 24(279):14. Mar. 1951. 9 P19

66004 RIVALS, P. La question du quinquina à la Réunion. Rev. Agr. de l'Ile de la Réunion (n.s.):50:142-148, 207-215. (Cont.) July/Aug.-Sept./Oct. 1950. 25 R32

66005 SANTOS, E. Plants which kill fishes and insects. (In Portuguese.) Selec. Agr. 6(61):47-49. May 1951. 9.2 Se4

66006 SCHUBERT, A. Die kleine bienenweide; nützliche küchen- und gewürzpflanzen. Bienenwarte 4:21-22. Jan. 25, 1951. 424.8 B4722

66007 SCHWEIZER, J. Rubber-coffee hedge planting. (In Dutch.) Arch. v. de Rubbercult. 27:277-300. Dec. 1950. 78.8 Ar2

English summary.

66008 SCHWÖEBEL, F. W. Announcing the planting of a garden of honey and pollen plants at the Morris Arboretum of the University of Pennsylvania, in Philadelphia, as a memorial to Lorenzo L. Langstroth. Gleanings Bee Cult. 79:415. July 1951. 424.8 G47

66009 SILVA, C. A. DE. Notes on sources of clonal seed in Ceylon. Rubber Res. Scheme Ceylon. Q. C. 26:31-38. Dec. 1950. 78.9 C33Q

66010 SILVA, C. A. DE. Yields of budded rubber & clonal seedlings in commercial tapping. Rubber Res. Scheme Ceylon. Q. C. 26:26-30. Dec. 1950. 78.9 C33Q

66011 SIMOENS, U. Le Centre d'Essai Houblonnier à Poperinge en 1950. Rev. de l'Agr. 4:682-687. June 1951. 13 R322

English summary.

- 66012 SINGH, L. B. Propagating jackfruit, *Artocarpus integrifolia*, by air-layering with hormones. *Cur. Sci.* 20: 102-103. Apr. 1951. 475 Sci23
- 66013 STAHL, E. Eine verfälschung von cortex *Quillaja pulvis* mit weisser seifenwurzel (*Gypsophila*-arten). *Deut. Apoth.-Ztg.* 91:422-423. June 8, 1951. 396.8 Su2
- 66014 SUBRAHMANYAN, V. Tubers for meeting shortage of bulk food. *J. Sci. & Indus. Res.* 10A:179-180. May 1951. 475 J82
Chiefly Cassava in India.
- 66015 VAN BRUNT, E. R. A dooryard herb garden. *Gard. J.* 1:48-50, 52. Mar./Apr. 1951. 80 G1635
- 66016 VILANOVA M., T. De la almáciguera a la plantación. *Café de El Salvador* 21:169-171. Mar. 1951. 68.28 C112
- 66017 WADSWORTH, F. H. Cómo puede ayudar el técnico forestal al cafetalero. *Rev. del Café* 6(2):11, 15. Apr./May 1951. 8 R3295
Coffee shading.
- 66018 WALTHER, R. Freiland-paprika Hofmanns neuzucht "Aurora." *Saatgut-Wirt.* 3:37-38. Feb. 1951. 61.8 Sal
- 66019 WEGNER, E. Beitrag zur gravimetrischen bestimmung des morphins in mohnkapseln. *Deut. Apoth.-Ztg.* 91:419-420. June 8, 1951. 396.8 Su2
- 66020 WELLS, F. B. Privet as a honey plant. *Gleanings Bee Cult.* 79:408-409, 445. July 1951. 424.8 G47
- 66021 WREN, R. C. Potter's cyclopædia of botanical drugs and preparations; with additions by E. M. Holmes. Ed. 6. London, Potter & Clarke, 1950. 415 p. 452.82 W92
- 66022 YOUNGKEN, H. W. JR. Poisons among woody plants of the garden. *Arboretum B.* 14:7-9, 32-34. Spring 1951. 451 Ar1

SOILS AND FERTILIZERS

SOIL SCIENCE

- 66023 EDELMAN, C. H. Some unusual aspects of soil science. *Internatl. Cong. Soil Sci. Trans.* 4(4):17-225. 1950. 56.09 In844
- 66024 INTERNATIONAL CONGRESS OF SOIL SCIENCE 4, AMSTERDAM, 1950. *Transactions*, v. 3-4. Groningen, 1950. 2 v. 56.09 In844
- 66025 KELLOGG, C. E. Soils of Alaska. *Natl. Res. Council. B.* 122:37-38. Apr. 1951. 330.9 N21
- 66026 KILLIAN, C., and MOUSSU, H. Les sols des environs d'Alger: caractères physico-chimiques et floristiques, tests biologiques et microbiologiques. *Rev. Gen. de Bot.* 57:389-428. Ref. 1950. 450 R326
- 66027 MCARTHUR, D. N. The Macaulay Institute for Soil Research. *Brit. Agr. B.* 4(13):3-6. May 1951. 10 B776
- 66028 MACÍAS VILLADA, M. Significado de la paleoedafología. *Ingen. Hidrául. en Méx.* 4(3):21-22. July/Sept. 1950. 290.8 In43
English summary, p. i.
- 66029 MURO, J. DEL C. Suelos tropicales del Perú. *Mensajero Agr.* 55/56:32-33, 43. 1950. 9.8 M52
- 66030 PURI, A. N. Highlights of soil science. Groningen, Hoitsema, 1950. 90 p. 56.4 P97H
- 66031 TORRES FILHO, A. Soils Institute. (In Portuguese.) *Seleç. Agr.* 6(61):7-15. May 1951. 9.2 Se4
Suggests creation of a Brazilian soils research institute.

Soil Physics

- 66032 ABHYANKAR, V. S., NARAYANA, N., and DAIJI, J. A. Determination of the moisture equivalents of soils by the Bouyoucos method with slight modifications. *Poona Agr. Col. Mag.* 41:252-255. Feb. 1951. 22 P79
- 66033 AITCHISON, G. D. Changes of soil moisture tension in a clay subgrade beneath a sealed roadway. *Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt.* 151, 6 p. 1951. 56.9 Au7
- 66034 ALINARI, E. Influence of physical characteristics on the degree of soil fertility. (In Italian.) *Humus* 7(1):3-6. Jan. 1951. 16 H88
- 66035 ARMY, T. J., and KOZLOWSKI, T. T. Availability of soil moisture for active absorption in drying soil. *Plant Physiol.* 26:353-362. Ref. Apr. 1951. 450 P692
- 66036 BENNINGHOFF, W. S. Interaction of vegetation and soil-frost phenomena. *Natl. Res. Council. B.* 122:112-113. Apr. 1951. 330.9 N21

- 66037 BUTIJN, J. The water economy of soils. I-II. (In Dutch.) *Zeeuwisch Landtbl.* 39(2070):4; (2071):4. May 12-19, 1951. 12 Z2
- 66038 CALZADA B., J. Las tierras cultivadas de la Costa y Sierra. *Vida Agr. [Lima]* 28:373-374. May 1951. 9.8 V66
Structure.
- 66039 FRIPIAT, J. J. Comportement vis-a-vis de l'eau des sols du Congo Belge. *Internatl. Cong. Soil Sci. Trans.* 4(3):18-20. 1950. 56.09 In844
English summary.
- 66040 FRIPIAT, J. J. Variation de la constante diélectrique d'une terre en fonction de son humidité. *Internatl. Cong. Soil Sci. Trans.* 4(3):17-18. 1950. 56.09 In844
English summary.
- 66041 HENDRIX, T. M., and COLMAN, E. A. Calibration of fiberglass soil-moisture units. *Soil Sci.* 71:419-427. June 1951. 56.8 So3
- 66042 HENIN, S., and ROBICHET, O. Mécanisme du soulèvement du sol sous l'influence du gel. *Acad. des Sci. Compt. Rend.* 232:2358-2360. June 18, 1951. 505 P21
- 66043 KOSTIN, S. I. Indicators of dryness and moisture. (In Russian.) *Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklím. Uslovíá Stepi Ukrain. SSR i Puti Ikhluchsheniá; Trudy Konf.* 1:47-49. 1950. 20 Uk73
Effect of meteorological conditions on soil moisture chiefly.
- 66044 KULIK, M. S. Regional distribution of Ukrainian territory according to aridity. (In Russian.) *Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklím. Uslovíá Stepi Ukrain. SSR i Puti Ikhluchsheniá; Trudy Konf.* 1:23-34. 1950. 20 Uk73
Chiefly on effect of climatic conditions on soil moisture accumulation.
- 66045 LOW, A. J. Rate of build-up of water-stable aggregates and soil crumb structure. *Internatl. Cong. Soil Sci. Trans.* 4(3):9-13. 1950. 56.09 In844
- 66046 OKSALA, N. J. Maa-äineksien pesuseulonnasta sekä pesuseulonnän ja kuivaseulonnän tulosten vertailua. On the wet sieving of soil material and comparison of the results of wet sieving and dry sieving. *Finland. Valtion Tek. Tutkimuslaitos. Tiedoitus* 94, 11 p. 1950. 330.9 F49T
English summary.
- 66047 QUIRK, J. P. The water stability of soil aggregates in relation to the water-content at time of wetting. *Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt.* 12, 7 p. 1950. 56.9 Au7
- 66048 RICHARDS, S. J. Soil moisture conditions in avocado groves. *Calif. Avocado Soc. Ybk.* 35:70-72. 1950. 81 C128
- 66049 RODALE, J. I. Humus affects freezing qualities of the soil. *Org. Gard.* 19:16-18. July 1951. 56.8 Or3
- 66050 SAHA, H. L. Physico-chemical aspects of soil mechanics. *India. Cent. Bd. Irrig. J.* 7:414-417. July 1950. 55.9 In222C
- 66051 SOWERS, G. B., and SOWERS, G. F. Introductory soil mechanics and foundations. New York, Macmillan, 1951. 284 p. Ref. 56.43 So92
- 66052 SPINKS, J. W. T., LANE, D. A., and TORCHINSKY, B. B. A new method for moisture determination in soil. *Canad. J. Technol.* 29:371-374. July 1951. 470 C16F
- 66053 VERHOEVEN, B. Soil moisture studies in view of salt movement control. *Internatl. Cong. Soil Sci. Trans.* 4(3):165-169. 1950. 56.09 In844
- 66054 WESTLIN, A., and THEANDER, O. Die elektrosmose von torf. *Kolloid-Z.* 122:153-163. Ref. June 1951. 384 Z315

Soil Chemistry and Mineralogy

- 66055 ALBRECHT, R. Soil labs that blanket Illinois make one third of all U. S. soil tests. *Prairie Farmer*, Ill. Ed. 123(13):1, 38. July 7, 1951. 6 P883B
- 66056 ARENS, P. L. Differential thermal analysis: a conventional method. *Cong. Soil Sci. Trans.* 4(3):26-27. 1950. 56.09 In844
- 66057 BALKS, R. Über bodenerkrankungen durch grubengas und leuchtgas. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:892-893. June 14, 1951. 18 L2346
- 66058 BERGNA, H. E. Electrokinetic behaviour of clay minerals. *Internatl. Cong. Soil Sci. Trans.* 4(3):75-80, 174. 1950. 56.09 In844

- 66059 BEST, R. J. A rapid and accurate electrotitrimetric method for determining the chloride content of soils, water and plant materials. *Internatl. Cong. Soil Sci. Trans.* 4(3):162-164. 1950. 56.09 In844
- 66060 BROWN, W. O. The cation-exchange properties of the basaltic drift soils of north-eastern Ireland. *Empire J. Expt. Agr.* 19:134-138. Ref. Apr. 1951. 10 Em7
- 66061 CAILLERE, S. Action de la chaleur sur les minéraux des argiles. *Internatl. Cong. Soil Sci. Trans.* 4(3):54-63. Ref. 1950. 56.09 In844
- 66062 CAILLERE, S., and HENIN, S. Sur l'hydratation de divers silicates et hydroxydes. *Internatl. Cong. Soil Sci. Trans.* 4(3):28-29. 1950. 56.09 In844
- 66063 CHATELIER, P. A. Soils and pH control. *Green Thumb [St. Petersburg]* 1(5):8-12. Mar. 1951. 80 G822
- 66064 CHATTERJEE, B. Rapid chemical soil testing—one of the implements for increasing crop yields. *Sci. & Cult.* 16:391-393. Ref. Mar. 1951. 475 Sci24
- 66065 DAKSHINAMURTI, C. Influence of ionic diffusion in the extraction of soil solutions by the displacement method. (Abs.) *Indian Sci. Cong. Proc.* 36(3):196. 1949. 513 In22
- 66066 DRAGSDOFF, R. D., KISSINGER, H. E., and PERKINS, A. T. An X-ray study of the decomposition of kaolinite. *Soil Sci.* 71:439-448. Ref. June 1951. 56.8 So3
- 66067 DREGNE, H. E., and CHAPMAN, J. E. The value of soil tests in New Mexico. *N. Mex. Agr. Expt. Sta. Press B.* 10523 p. Mar. 1951. 100 N465
- 66068 ESCARD, J. Adsorption de l'azote à basse température par la montmorillonite; influence de l'eau résiduelle et des cations échangeables. *Internatl. Cong. Soil Sci. Trans.* 4(3):71-74. 1950. 56.09 In844
- 66069 GARBOSKY, A. J., and TSCHAPPEK, M. Adsorción del ácido húmico por los minerales. *Argentina. Inst. de Suelos y Agrotéc.* P. 15,9 p. 1950. 56.9 Ar3
- 66070 GLAESER, R. Complexes montmorillonite—corps organiques en phase vapeur. *Internatl. Cong. Soil Sci. Trans.* 4(3):65-71. 1950. 56.09 In844
- 66071 GRIM, R. E. Recent advances in clay mineral technology. *Internatl. Cong. Soil Sci. Trans.* 4(3):44-54. Ref. 1950. 56.09 In844
- 66072 HAYDEN, C. A. Practical advice on soil testing offered B.C.'s agriculturists. *Country Life [Verona]* 35(5):19,23. May 1951. 7 C832
- 66073 JAYARAMAN, V. Methods of sampling soils and manures for analysis. *Planters' Chron.* 46:180-181. Apr. 1, 1951. 22 P693
- 66074 JONES, L. H. P., and LEEPER, G. W. Available manganese oxides in neutral and alkaline soils. *Plant & Soil* 3:154-159. Ref. Apr. 1951. 450 P696
- 66075 KELLEY, W. P. Alkali soils; their formation, properties and reclamation. *New York, Reinhold*, 1951. 176 p. Ref. 56.33 K28
- 66076 KÖPPEN, R. Der schlick im küstengebiet der Nordsee. *Umschau* 51:389-390. July 1, 1951. 474 Um7 Germany.
- 66077 LACERDA, D. T. DE. Is application of the term "soil metabolism" permissible. (In Portuguese.) *Rev. Bras. de Quím. (Cien. & Indus.)* 31:87-89. Feb. 1951. 385 R322
- 66078 LEFEVRE, G., and DROUINEAU, G. Variations saisonnières de la teneur en azote minéral dans un sol calcaire soumis au climat Méditerranéen. *France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron.* 2:1-12. Ref. Jan./Feb. 1951. 14 F8499
- 66079 LEFFLER, A. Get peak returns from your fertilizer dollars; test that soil! *Iowa Bur. Farmer* 15(7):22-23. July 1951. 275.293 Iowa
- 66080 LOW, P. F. Force fields and chemical equilibrium in heterogeneous systems with special reference to soils. *Soil Sci.* 71:409-418. June 1951. 56.8 So3
- 66081 MAC EWAN, D. M. C., and AMOROS, J. L. La investigación rontgenográfica de las arcillas. *An. de Edafología y Fisiol. Veg.* 9:363-379. July/Aug. 1950. 506 Sp12
- English summary.
- 66082 MARAVALHAS, N. Introduction to the study of soil metabolism. (In Portuguese.) *Rev. de Quím. Indus.* 19(224):19-25. Dec. 1950. 385 R324
- 66083 MARTIN, G., and LAVOLLAY, J. Effet du cuivre dans la permanganometrie des extraits humiques. *Determination d'un indice de cuivre.* *Internatl. Cong. Soil Sci. Trans.* 4(3):83-88. 1950. 56.09 In844
- 66084 MERING, J., MATHIEU-SICAUD, A., and PERIN-BONNET, I. Observation au microscope électronique de montmorillonite saturée par différents cations. *Internatl. Cong. Soil Sci. Trans.* 4(3):29-32, 173. 1950. 56.09 In844
- 66085 MERING, J. Les reflexions des rayons X par les minéraux argileux interstratifiés. *Internatl. Cong. Soil Sci. Trans.* 4(3):21-26. 1950. 56.09 In844
- 66086 MILLOT, G. Comparaison des indications de la pédologie et de la géologie au sujet de la genèse des minéraux argileux. *Internatl. Cong. Soil Sci. Trans.* 4(3):37-40. 1950. 56.09 In844
- 66087 MITRA, R. P., and RAJAGOPALAN, K. S. An electrochemical method for the identification of illite in soils and other argillaceous sediments. (Abs.) *Indian Sci. Cong. Proc.* 36(3):56. 1949. 513 In22
- 66088 NORMAN, A. G. The fate of complex organic compounds in soil. *Internatl. Cong. Soil Sci. Trans.* 4(3):100-102. 1950. 56.09 In844
- 66089 OLPHEH, H. VAN. Stabilization of montmorillonite soils by chemical treatment. *Internatl. Cong. Soil Sci. Trans.* 4(3):63-65. 1950. 56.09 In844
- 66090 RIEHM, H. Der heutige stand der bodenuntersuchungen im Bundesgebiet. *Zucker* 4:95-100. Ref. Mar. 1, 1951. 65.8 Z82
- 66091 ROY, B. B., and DAS, S. C. Electro-chemical properties of hydrogen clays from typical Indian soils. *Internatl. Cong. Soil Sci. Trans.* 4(3):81-83. 1950. 56.09 In844
- 66092 SHAW, W. M., and MACINTYRE, W. H. Exchangeable hydrogen as determined by various procedures in relation to the soil's capacity for calcite decomposition. *Assoc. Off. Agr. Chem. J.* 34:471-492. Ref. May 15, 1951. 381 As7
- In soils.
- 66093 TOTH, S. J. Manganese status of some New Jersey soils. *Soil Sci.* 71:467-472. June 1951. 56.8 So3
- 66094 WAEGEMANS, G., and VANDERSTAPPEN, R. Authigenèse, alteration des minéraux argileux et lateritisation dans les régions intertropicales. *Internatl. Cong. Soil Sci. Trans.* 4(3):145-149. 1950. 56.09 In844
- 66095 WILDE, S. A., and RANDALL, G. W. Chemical characteristics of ground water in forest and marsh soils of Wisconsin. *Wis. Acad. Sci. Arts & Let. Trans.* 40(2):251-259. Ref. 1951. 500 W75
- 66096 WRIGHT, A. C. S., and JOHNSTON, H. W. Note on "available" copper in New Zealand soils. *New Zeal. J. Sci. & Technol. A. Agr. Res. Sect.* 31(5):1-2. Feb. 1950. 514 N48A
- 66097 YUEN, S. H., and POLLARD, A. G. The availability of soil phosphate. III. The phosphate-fixing capacity of soil. *J. Sci. Food & Agr.* 2:260-268. Ref. June 1951. 382 So12

Soil Biology

- 66098 ABDEL-GHAFFAR, A. S., and ALLEN, O. N. The effects of certain microorganisms on the growth and function of Rhizobia. *Internatl. Cong. Soil Sci. Trans.* 4(3):93-96. Ref. 1950. 56.09 In844
- 66099 ALLEN, O. N. The inoculation of legumes. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. *Forages*, p. 130-137. Ames, 1951. 60 H87
- 66100 ANSTETT, A. Sur l'activation microbiologique des phénomènes d'humification. *Acad. d'Agr. de France. Compt. Rend.* 37:262-264. Apr. 18/25, 1951. 14 P215Bc
- 66101 BIESKE, G. C. Rate of decomposition of organic residues on Bundaberg volcanic loam. *Queensland Soc. Sugar Cane Technol. Proc.* 18:27-30. 1951. 65.9 Q332
- 66102 BOISCHOT, P., and SYLVESTRE, G. Fixation de l'azote nitrique par les microorganismes décomposant les pailles de céréales dans le sol. *Acad. des Sci. Compt. Rend.* 232:2253-2255. June 11, 1951. 505 P21
- 66103 BONNIER, C. Adaptation à Soja hispida M., d'une race autochtone de Rhizobium. Différenciation sérologique de cette souche. *Soc. de Biol. Compt. Rend.* 145:469-471. Mar. 1951. 442.9 P21
- 66104 CAMUGLI, E. N. El bacteriófago del organismo de los nódulos de las plantas leguminosas en la Argentina. *Soc. Argentina de Bot. B.* 3:143-154. Ref. Oct. 1950. 451 So124
- 66105 DASTE, P. L'action sur les Azotobacter des racines de Triticum sphaerococcum. *Soc. de Biol. Compt. Rend.* 145:326-328. Mar. 1951. 442.9 P21
- 66106 DAWSON, R. C. Initial decomposition of certain plant residues in the soil. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:19. 1950. 448.39 So12A
- 66107 DYVERDON, C. L'inoculation des semences de légumineuses. *Cour. Hort.* 3:90-91. Feb. 1951. 80 C834
- 66108 EVANS, W. C., and SMITH, B. S. W. The oxidation of aromatic compounds by soil bacteria. *Biochem. J.* 49:x-xi. June 1951. 382 B52

- 66109 FÜCHTBAUER, H. Vorkommen von *Azotobacter agilis* Beijerinck in Deutschland. Arch. f. Mikrobiol. 15:352-357. 1951. 442.8 Ar26
- 66110 GATTANI, M. L., and KAUL, T. N. Studies on penicillin producing strains of *Penicillium notatum* chrysogenum series in India. (Abs.) Indian Sci. Cong. Proc. 36(3):201-202. 1949. 513 In22
- In soils.
- 66111 GELLER, L. A., and KHARITON, E. G. The utilization of nitrogen bacteria and other microorganisms for increasing the yield and sugar content of sugar beet. (In Russian.) Sovet. Agron. 9(3):65-68. Mar.1951. 20 So84
- 66112 GILMOUR, C. M., and BUTHALA, D. The isolation and study of actinophages from soil. (Abs.) Soc. Amer. Bact. Proc. 50:17. 1950. 448.39 So12A
- 66113 GOULD, E. Effects of some spray materials on soils, growth and fauna. Mountaineer Grower, 21(186): 9-14. Mar.1951. 80 M86
- 66114 GRANT, C. Debunking the angleworm. Nat. Mag. 44:357-358. Aug./Sept.1951. 40.6 N214
- Value of earthworms to agriculture.
- 66115 GUERILLOT, J., and THAIZE, P. Comparaison de l'action de divers engrais phosphatés sur le développement de l'*Azotobacter* cultivé sur terre artificielle. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron. 2:26-30. Jan./Feb.1951. 14 F8499
- 66116 HAUSENBULLER, R. L. A study of methods for evaluating changes in organic matter undergoing decomposition in the soil. Internatl. Cong. Soil Sci. Trans. 4(3):89-93. 1950. 56.09 In844
- 66117 HERMANDES, C. J. Good soil is alive; application of fertilisers cannot alleviate deficiency in organic matter. Farmer's Wk. [Bloemfontein] 81:10-11. May 30, 1951. 24 F225
- 66118 KREHL-NIEFFER, R. M. Verbreitung und physiologie mikroskopischer bodenpilze. Eine mykologische studie als beitrag zur mikroflora der umgebung Stuttgarts. Arch. f. Mikrobiol. 15:389-402. Ref. 1951. 442.8 Ar26
- 66119 LOCHHEAD, A. G., and THEXTON, R. H. Vitamin B₁₂ as a growth factor for soil bacteria. Nature [London] 167:1034. June 23, 1951. 472 N21
- 66120 MUKERJI, B. K., PRAMANK, B. N., and MISRA, A. N. Nitrifying capacity of farmyard manure, sugar factory press-mud, oilcakes and sulphate of ammonia in the soil and the relative population of *Azotobacter chroococcum* in each treatment. Sugar Technol. Assoc. India. Proc. 19:104-108. 1950. 65.9 Su33P
- 66121 MUTINELLI, A. El empleo de las leguminosas para mejorar el suelo. Res 19:26010. June 5, 1951. 286.85 R31
- 66122 NASH, D. W. The life of the soil; the part played by living organisms in the soil may prove to be most important in maintaining a healthful food supply for the world. Country Guide 70(6):747-48. June 1951. 7 G76
- 66123 POCHON, J., and TCHAN, Y. T. Humus et biologie des sols. Rev. Gen. de Bot. 57:257-277, 321-347. Ref. 1950. 450 R326
- 66124 POCHON, J., LAJUDIE, J., and COPPIER, O. Remarques sur les recherches relatives à l'action de certaines substances antiparasitaires sur la microflore du sol. Inst. Pasteur Ann. 80:517-519. May 1951. 448.3 An75
- 66125 PRAMER, D., and STARKEY, R. L. The determination of streptomycin in soil. (Abs.) Soc. Amer. Bact. Proc. 50:18-19. 1950. 448.39 So12A
- 66126 PREVOT, A. R., and POCHON, J. Etude de l'amyolyse bactérienne dans le sol par la méthode de la colonne de terre amidonnée. Inst. Pasteur. Ann. 80:672-674. June 1951. 448.3 An75
- 66127 SADLER, F. W. Ode to the great little worm. Health & Soil 1951:11-12. Spring 1951. 56.8 H34
- 66128 SIMKOVER, H. G., and SHENEFELT, R. D. Effect of benzene hexachloride and chlordane on certain soil organisms. J. Econ. Ent. 44:426-427. June 1951. 421 J822
- Rhizoctonia, micorrhizal fungi, and nitrogen fixing bacteria.
- 66129 SLEPECKY, R. A., and BECK, J. V. The effect of 2,4-dichlorophenoxyacetic acid on nitrification in soil. (Abs.) Soc. Amer. Bact. Proc. 50:17-18. 1950. 448.39 So12A
- 66130 TERZAROLI, A. L. Symbiotic assimilation of atmospheric nitrogen. (In Italian.) Humus 7(1):10-12. Jan.1951. 16 H88
- 66131 TIMONIN, M. I. Soil microflora and manganese deficiency. Internatl. Cong. Soil Sci. Trans. 4(3):97-99. 1950. 56.09 In844
- 66132 TSCHAPEK, W., and GARBOSKY, A. J. The principles of adsorption of the *Azotobacter*. Internatl. Cong. Soil Sci. Trans. 4(3):102-104. 1950. 56.09 In844
- Soil-Plant-Animal Relationships
- 66133 ALBRECHT, W. A. Soil and democracy. Amer. Acad. Appl. Nutr. Mon. Newslet. J. 4(6):14-17. June 1951. 389.9 Am352
- Soil plant-animal relationships.
- 66134 BRANDT, C. S., and BEESON, K. C. Influence of organic fertilization on certain nutritive constituents of crops. Soil Sci. 71:449-454. Ref. June 1951. 56.8 So3
- 66135 CHATELIER, P. A. Properly fed soils mean well-nourished people. Green Thumb [St. Petersburg] 1(7):7-9. May 1951. 80 G822
- 66136 DESOUTTER. Multiplication dangereuse des cas de dégradation des sols. Acad. d'Agr. de France. Compt. Rend. 37:306-307. May 9/16, 1951. 14 P215Bc
- Soil-plant-animal relations.
- 66137 LOVVORN, R. L., and WOODHOUSE, W. W., JR. Soil fertility and the nutritive value of forages. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.54-64. Ref. Ames, 1951. 60 H87
- 66138 MYERS, H. E. Fertilizer use in relation to animal nutrition. Amer. Plant Food Council. J. 5:6-7, 39-40. Apr./June 1951. 57.8 P692
- 66139 RECHENTHIN, C. A. Save the soil and you save all. Amer. Hereford J. 42(5):754-756, 758, 760, 762. July 1, 1951. 43.8 Am32
- Conservation as the way to more grass and more beef.
- 66140 SOBRERO, L. R. El lugar del hombre en la tierra. Bolsa de Com., Rosario. Rev. 39(940):13, 15-16, 18-19. Mar.15, 1951. 287 R71
- Soil plant-animal relationships.
- Soil Genesis, Formation, Classification, and Mapping
- 66141 ASGHAR, A. G. The soils of Pakistan. Internatl. Cong. Soil Sci. Trans. 4(3):134-141. 1950. 56.09 In844
- 66142 AUBERT, G. Observations sur la dégradation des sols et la formation de la cuirasse lateritique dans le nord ouest du Dahomey (A.O.F.). Internatl. Cong. Soil Sci. Trans. 4(3):127-128. 1950. 56.09 In844
- 66143 BASU, J. K., and SIRUR, S. S. A review of work done on soil classification. Survey and mapping of black cotton soils in the Canal zones of Bombay Deccan, India. (Sum.) Internatl. Cong. Soil Sci. Trans. 4(3):156. 1950. 56.09 In844
- 66144 DOWNES, R. G. A soil, land-use, and erosion survey of parts of the Counties of Moira and Delatite, Victoria. Austral. Commonwealth Sci. & Indus. Res. Organ. B. 243, 89 p. 1949. 514 Au72B
- 66145 FRYE, J. C. Soil-forming intervals evidenced in the Kansas Pleistocene. Soil Sci. 71:403-408. Ref. June 1951. 56.8 So3
- 66146 GAUSSEN, H. L'utilisation du sol et sa cartographie. Acad. d'Agr. de France. Compt. Rend. 37:268-270. Apr.18/25, 1951. 14 P215Bc
- 66147 GOUVEIA, D. H. G., and AZEVEDO, A. L. A preliminary soil map of Mocambique. Internatl. Cong. Soil Sci. Trans. 4(3):141-144. Ref. 1950. 56.09 In844
- 66148 HAAN, J. H. DE. Land classification in Indonesia. Internatl. Cong. Soil Sci. Trans. 4(3):153-155. 1950. 56.09 In844
- 66149 HIGBEE, H. W. Birds nesting in soil banks disclose loess deposits in Susquehanna Valley. Sci. Farmer [Pa. Sta.] 1951:5-6. Mar.1951. 100 P381
- 66150 KOHLER, E. J. Reconnaissance soil survey of Japan: Nagoya area. Supreme Commander Allied Powers. Nat. Resources Sect. Rpt. 110-F, 76 p. Apr.1951. 280.9 AL5
- 66151 LIPPI-BONCAMBI, C. Les sols de la Province de Pérouse et leur classification. Internatl. Cong. Soil Sci. Trans. 4(3):151-152, 175. 1950. 56.09 In844
- English summary.
- 66152 MUKHERJEE, J. N., and SATYANARAYANA, K. V. S. Soils of Rann of Cutch and possibilities of reclamation. (Abs.) Indian Sci. Cong. Proc. 36(3):196. 1949. 513 In22
- 66153 OJEDA ORTEGA, D., and others. Los suelos de la comarca lagunera. Ingen. Hidrául. en Méx. 4(3):8-18. July/Sept.1950. 290.8 In43
- J. Ramirez Canales, A. Brigada Monjaraz, R. Valdéz Muriel, and R. Saucedo Portales, joint authors.
- English summary, p. i.

- 66154 OUDIN, A. Carte des sols de France. Internat. Cong. Soil Sci. Trans. 4(3):150-151. 1950. 56.09 In844
- 66155 RAVIKOVITCH, S. The brown-red sandy soils of the Sharon and the Shephela. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. B. 55:2-39. Ref. Dec. 1950. 107 Z6
Abridged English translation, p. 2-12.
- 66156 RAYCHAUDHURI, S. P. Red and lateritic soils of India. Internat. Cong. Soil Sci. Trans. 4(3):128-131. 1950. 56.09 In844
- 66157 RETZER, J. L., and others. Soil survey, Stockton area, California. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey Rpt. 1939(10), 121 p. Ref. May 1951. 1 So32F
T. W. Glassey, A. M. Goff, and F. F. Harradine, joint authors.
- 66158 RICHARD, F. Böden auf sedimentären mischgesteinen im schweizerischen mittelland. Schweiz. Anst. f. das Forstl. Versw. Mitt. 26:751-836. Ref. 1950. 99.9 Sch92
- 66159 RICHARDS, N. R. Major features of Ontario soils. Canad. Agr. Econ. Soc. Proc. 20:118-123. 1950. 281.9 C16
- 66160 SMITH, L. H., OLSEN, H. A., and FOX, W. W. Soil survey, Clallam County, Washington. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey 1938(30), 55 p. Apr. 1951. 1 So32F
- 66161 SMITH, R. Reconnaissance soil surveys in the south and south east Stirling areas. Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt. 8, 9 p. 1950. 56.9 Au7
- 66162 TAMHANE, R. V. "Regur" soils of India. Internat. Cong. Soil Sci. Trans. 4(3):131-134. 1950. 56.09 In844
- 66163 TEDROW, J. C. F. Influence of topography and position on classification of soils having impeded drainage. Soil Sci. 71:429-437. Ref. June 1951. 56.8 So3
- 66164 VANDERFORD, H. B. Soils and land use, including soil areas of Mississippi. Birmingham, Ala., Vulcan Press, 1950. 222 p. 56.22 V28
- 66165 WESTIN, F. C., KLINGELHOETS, A. J., and LEE, G. B. Soils of South Dakota. S. Dak. Agr. Expt. Sta. C. 88, 6 p.-folder. May 1951. 100 So82
- 66166 WIELEN, H. G. W. V. D. Belgian agriculture. I. The soils of Belgium. (In Dutch.) Gelders Landbbl. 14(22):5. June 2, 1951. 12 G282
Also in Groninger Landbbl. 29(22):5. June 2, 1951. 12 G892
- ### SOIL MANAGEMENT
- 66167 ALANNO, A. D'. Methane waste water and agriculture. (In Italian.) Mercanzia 6(4):5-7. Apr. 1951. 287 B635
Effects on the soil.
- 66168 BASU, J. K. Problems of saline soils in the Bombay State, India. Internat. Cong. Soil Sci. Trans. 4(3):169-172. 1950. 56.09 In844
- 66169 BLANCO MACÍAS, G. Los problemas de la agricultura de secano. Tierra [México] 6:337-339, 361. June 1951. 8 T445
- 66170 CANTLON, J. A preliminary investigation of the influence of prescribed burning on soil water supplies in south Jersey. Cranberry Growers Assoc. Proc. 81: 18-24, 26. Jan. 27, 1951. 81 Am35M
- 66171 CHAMPEVAL, A. Restauration économique des sols. Voix des Colons 33(1594):1-2. (Cont.) Feb. 5, 1951. 24 V85
- 66172 CHAPMAN, H. D. "Organics" in the soil management program. Calif. Avocado Soc. Ybk. 35:89-90, 92, 94-96. 1950. 81 C128
- 66173 COLEMAN, W. P. The emancipator—organic farming. Org. Farmer 2(12):42-44, 58-59. July 1951. 57.8 Or3
- 66174 CRADDOCK, G. W. Watershed management: the forester's challenge. Ames Forester 1951:37-44. 99.9 To94
- 66175 EIKLEBERRY, R. W., FLY, C. L., and MYERS, H. E. Physical land conditions affecting use, conservation, and management of land resources, Smith County, Kansas. Manhattan, 1951. 23 p. 1.96 L22Ph
- 66176 ELLISON, W. The improvement of marginal land. Yorkshire Agr. Soc. J. 102:10-16. 1951. 10 Y7
Soil management.
- 66177 FLY, C. L., and others. Physical land conditions affecting use, conservation, and management of land resources, Osage County, Kansas. Manhattan, 1951. 23 p. 1.96 L22Ph
R. W. Eikleberry, O. W. Tate, E. Bell, and H. E. Myers, joint authors.
- 66178 GRIFFITH, A. L. Watershed management research in the U.S.A. East African Agr. J. 16:190-197. Apr. 1951. 24 Ea74
- 66179 HARDING, T. S. Land-capability inventory maps. Amer. J. Econ. & Sociol. 10:406. July 1951. 280.8 Am393
Prepared by Soil Conservation Service.
- 66180 HARMER, P. M. Muck soil management for hay and pasture production. Mich. State Col. Agr. Ext. B. 304, 14 p. June 1950. 275.29 M58B
- 66181 HARMER, P. M. Muck soil management for head lettuce production. Mich. State Col. Agr. Ext. B. 303, 16 p. June 1950. 275.29 M58B
- 66182 HURIEZ, H., and PAILLUSSEAU. Études sur les marais de Fègréac. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A: Ann. Agron. 2:18-25. Jan./Feb. 1951. 14 F8499
Management and fertility.
- 66183 KARRAKER, P. E. Effects of certain cropping and management practices on soil nitrogen content. Ky. Agr. Expt. Sta. B. 561, 10 p. Mar. 1951. 100 K41
- 66184 KNÖBL, G. Torfstreugewinnung für den eigenbedarf. Kärntner Bauer 101:327, 330-331. June 15, 1951. 19 K14
- 66185 LIMSTROM, G. A. Overburden analyses and strip-mine conditions in northeastern Ohio. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 114, 44 p. Jan. 1950. 1.9622 C3T22
- 66186 MARTIN-LEAKE, H. The sugar-cane scientists are worried. Health & Soil 1951:4-6. Spring 1951. 56.8 H34
Soils.
- 66187 PARKS, D. A. An orange is more than an orange. Amer. Acad. Appl. Nutr. Mon. Newslet. J. 4(6):6-7. June 1951. 389.9 Am352
Organic farming.
- 66188 SATYANARAYANA, K. V. S., and KUMAR, C. L. Study of saline and alkaline soils of Rann of Cutch in relation to their reclamation. (Abs.) Indian Sci. Cong. Proc. 36(3):196. 1949. 513 In22
- 66189 SCHAEFFLER, H. Erhaltung und mehrung der bodenfruchtbarkeit. Landwirt. Jahrb. f. Bayern 28(spec. no.):30-75. Ref. Apr. 1951. 18 L24
- 66190 SCHOONOVER, W. R. Some suggestions on soil management. Calif. Avocado Soc. Ybk. 35:79-82. 1950. 81 C128
- 66191 SOMERVILLE, R. K. Land development in Northern Hawke's Bay. Massey Agr. Col. Sheepfarming Annu. 3:201-210. Nov. 1950. 45.9 M38S
Includes discussion.
Soil management; sheep farming.
- 66192 SZLADITS, I. Recent work on saline and alkali soils. Soils & Fert. 14:183-190. Ref. June 1951. 241 Im7Sf
- 66193 THORNTON, M. K. Soils and how to improve them. Tex. Agr. Col. Ext. B. 189, rev., 11 p. Mar. 1951. 275.29 T312
- 66194 THULLBERRY, H. A. Have you depleted your account? Citrus Mag. 13(11):17. July 1951. 80 C498
Soil management.
- 66195 WALTERS, M. M. Bare patches in the eastern mixed Karoo. Farming So. Africa 26:125-130, 132. Apr. 1951. 24 So842
- 66196 ZOLLIKOFER, R. Die melioration der rheinebene. Grüne 79:248-255. Mar. 2, 1951. 17 Sch9
Switzerland.
- ### Soil Fertility
- 66197 ALBERT, A. R. Six long strides to better sandy soils. 3. Apply potash and phosphate. Wis. Agr. Col. Ext. Spec. C., 2 p. Feb. 1951. 275.29 W75S
- 66198 ALSTEEN, P. La potasse en arboriculture fruitière. Fruit Belge 19:26-28, 38-42. Feb.-Mar. 1951. 80 F9493
- 66199 BARCELLOS, H. A. Fertilizing and mineral phosphates. (In Portuguese.) Lav. Arroz. 5(52):33, 35. Apr. 1951. 59.8 L39
- 66200 BIRCHER. Behandeln wir den boden richtig? III. Die neue bauern-hackkultur. Tech. f. Bauern u. Gärt. Ausg. G 2:181-183. Apr. 25, 1950. 58.8 T223G
- 66201 BONSE. Warum keine grossdüngung der forsten in Niedersachsen? Forst u. Holz 6:78-80. Mar. 15, 1951. 99.8 F7724
- 66202 BROVKINA, E. A. The effectiveness of phosphorus in the basic fertilizer for sugar beets in connection with soil quality. (In Russian.) Sovet. Agron. 9(3): 43-49. Ref. Mar. 1951. 20 So84

- 66203 BURSON, P. M., and HUNT, I. A. Commercial fertilizers for malting barley. I-II. Barley Impr. Conf. Rpt. 7:6-16. Jan. 23, 1951. 59.9 M583
I. Field results, by P. M. Burson; II, Malting quality, by L. A. Hunt.
- 66204 BUSHIN, P. M. Fertilizer application during cultivation of grapes in ridges and deep-channel irrigation. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):30-31. Jan. 1951. 95.8 V77
- 66205 CALZADA BENZA, J. Efectos del abonamiento en los cultivos de papa en Junín y Arequipa. Mensajero Agr. 53/54:15-16. (Concl.) 1950. 9.8 M52
- 66206 CAMPANILE, S. Vegetation soil of Trifolium thalii Vill. at Campo Imperatore. (In Italian.) Ann. della Sper. Agr. (n.s.) 5:641-647. 1951. 16 An76
English summary.
- 66207 CANNON, R. C. Nitrogen requirements of the pineapple. Queensland Prod. 32(38):19-20. Mar. 21, 1951. 23 Q35
- 66208 CATACOUSINOS, D. S. Ergebnisse von düngungsversuchen in Griechenland. Internatl. Cong. Soil Sci. Trans. 4(3):123-126. 1950. 56.09 In844
- 66209 CHADWICK, L. C. Fertilization of nursery stock. South. Florist & Nurseryman 64(14):126-127. June 29, 1951. 80 So86
- 66210 CHANG, S. C. A review of the experimental results on the effect of calcium cyanamide on the yield of rice. (In Chinese.) Taiwan Sugar J. Q. 3(2):139-169. Ref. Mar. 1951. 65.8 T13
English summary.
- 66211 CHAPMAN, H. D., and RAYNER, D. S. Effect of various maintained levels of phosphate on the growth, yield, composition, and quality of Washington navel oranges. Hilgardia 20:325-358. Ref. Jan. 1951. 100 C12H
- 66212 CHATTERJEE, I. The role of manures and fertilizers in agriculture. Indian Farming 11:284-288. July 1950. 22 In283
- 66213 CHEANEY, R. L., WYCHE, R. H., and BEACHELL, H. M. Effect of time of application of various fertilizers on the yield of rice varieties of different maturity, 1949-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1362, 4 p. Apr. 16, 1951. 100 T31P
- 66214 CHEANEY, R. L., and WYCHE, R. H. Fertilizer requirements for rice on the soils of the Gulf Coast Prairie of Texas, 1947-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1348, 4 p. Apr. 2, 1951. 100 T31P
- 66215 COLAS, P. La Champagne est-elle toujours pouilleuse? B. des Engrais 328:35-38. Feb. 1951. 57.8 B87
Chiefly soil fertility.
- 66216 DAY, J. M. Grow manure with Hubam clover. U and I Cult. 11:20-21. Mar. 1951. 66.8 U12
- 66217 DEE, W. E. The use of limestone. Amer. Tung News 1951:6. July 1951. 307.8 Am33
- 66218 DESAI, S. V., RAO, W. V. B. S., and TEJWANI, K. G. Influence of fertilizers on crop yields, crop composition and soil fertility when legumes are either included in or excluded from the rotation. I-III. (Abs.) Indian Sci. Cong. Proc. 36(3):198-201. 1949. 513 In22
- 66219 DICKEY, J. B. R. Ryegrass cover crops. Pa. Farmer 144:499, 520. June 23, 1951. 6 P383
- 66220 DOBROTVORŠEVA, A. V. Pelleting sugar beet seeds with fertilizers. (In Russian.) Sakh. Promysh. 15(2):39-42. Feb. 1951. 65.8 Sa2
- 66221 DOEHLERT, C. A. Fertilizing cranberries by airplane. Cranberry Growers Assoc. Proc. 81:8-12. Jan. 27, 1951. 81 Am35M
Includes discussion.
- 66222 DREGNE, H. E., and CHAPMAN, J. E. Fertilizers for irrigated soils of New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1050, 5 p. Mar. 1951. 100 N465
- 66223 EARLEY, D. Salinity in some Valley soils calls urgently for attention. Tex. Farming & Citricult. 27(12):10. June 1951. 80 T31
- 66224 EGGERT, R. How shall we fertilize our apple orchards. N. H. Hort. Soc. J. 14:110-115. 1951. 81 N452J
- 66225 EGGERT, R. Sawdust incorporated with soil: its effect on crop yields the second year. N. H. Hort. Soc. J. 14:75-80. 1951. 81 N452J
- 66226 EICHLER, V. E. Growing barley on sandy soil. So. Austral. Dept. Agr. J. 54:408. Mar. 1951. 23 So84
- 66227 ELAM, F. L. Fertilize—invest for profit. West. Dairy J. 7(9):54, 57-58. July 1951. 44.8 W524
Pastures.
- 66228 ERIKSSON, G. Double phosphate portion increased the sugar beet crop. (In Swedish.) Växt-Närings-Nytt 7(3):12-13. 1951. 57.8 V47
- 66229 FONDARD, L. Fumure des vignobles à vins fins. Réveil Agr. 60:132-133. May 1, 1951. 14 R322
France.
- 66230 FRASER, G. K. Peat and its uses in horticulture. Bd. Greenkeeping Res. J. 7:322-334. 1950. 60.19 B772
- 66231 GAINES, J. P. Use of anhydrous ammonia for tung trees economical. Miss. Farm Res. [Miss. Sta.] 14(4):3. Apr. 1951. 100 M69Mi
- 66232 GAVIN, SIR W. The way to higher crop yields. Gt. Brit. Min. Agr. Agriculture 58:105-111. June 1951. 10 G79J
Use of fertilizers and better seeds, Great Britain.
- 66233 GOLETIANI, G. I. Concerning the improvement of nitrate application to tea plants in connection with their biology. (In Russian.) Sovet. Agron. 9(3):50-64. Ref. Mar. 1951. 20 So84
- 66234 GOUDIE, A. G. Soil management trial on peaches. Fruit World Annu. 52(4):13. Apr. 10, 1951. 80 F948
- 66235 GRAY, H. F. W. Immature rubber, covers & manuring. Planter 27:155. Apr. 1951. 78.8 P69
- 66236 GREVE, H. H. Nochmals: wirtschaftlichkeit der stickstoffdüngung auf hochmoorweiden. Deut. Landwirt. Presse 74:93. Apr. 7, 1951. 18 D482
- 66237 GROH, H. Mineräldüngung und humuserzeugung. Neue Mitt. f. die Landwirt. 6:400-401. June 16, 1951. 18 N39
Potatoes and grain.
- 66238 GROOTENHUIS, J. A. The influence of manure and the culture of stubble crops on crop yields, humus content and magnesium content of old ash soil. (In Dutch.) Netherlands. Landbouwvoorlichtingsdienst. Maandbl. 8:198-206. May 1951. 12 N383M
- 66239 GULATI, A. N. Effect of fertilizers on fineness of cotton. Indian Cotton Growing Rev. 5:14-17. Jan. 1951. 72.8 In23
- 66240 HANNIGAN, M. A. Green manures in the deciduous orchard. Queensland Prod. 32(31):14. Jan. 31, 1951. 23 Q35
- 66241 HARMSSEN, G. W. Die bedeutung der bodenoberfläche für die humusbildung. Plant & Soil 3:110-140. Ref. Apr. 1951. 450 P696
- 66242 HARPER, H. J., ELDER, W. C., and NELSON, A. B. Progress report, 1951; Pasture Fertility Research Station, Coalgate, Oklahoma. Okla. Agr. Expt. Sta. Mimeog. C. M-221, 9 p. May 1951. 100 Ok4M
- 66243 HARRIS, E. E. Lignin for better crops. U. S. D. A. Ybk. 1950/51:883-885. 1 Ag84Y
- 66244 HEALD, W. R. Soils as I know them. Colo. State Flower Growers Assoc. B. 18:4-7. Apr. 1951. 81 C715
- 66245 HEDOU, J. La fumure de la pomme de terre en Bretagne. Pomme de Terre Franc. 14(138):5-8. Mar. 1951. 75.8 P77
- 66246 HERTEL, F. Düngung des gemüsegartens. Leipzig, Hachmeister & Thal, 1950? 48 p. (Lehrmeister-Bücherei, Nr. 322) 57.7 H44
- 66247 HOLMES, G. Grassing orchards for better fruit; soil maintenance. Mod. Poultry Keeping 64:685. June 20, 1951. 47.8 Eg3
- 66248 HOPKINS, D. P. Fertilizers, food, and people. Discovery 12:46-49. Feb. 1951. 472 D63
- 66249 HUGHES, G. P., and EVANS, T. A. Response of an established sheep ley to dressing of sulphate of ammonia. II. Effects on chemical composition of the herbage. Empire J. Expt. Agr. 19:65-72. Apr. 1951. 10 Em7
- 66250 HUTCHESON, T. B. Master Farmer pioneered pasture fertilization. Prog. Farmer, Carolinas-Va. Ed. 66(6):16 June 1951. 6 P945
- 66251 JENKS, J. La tierra verdaderamente fértil no abunda mucho en el mundo. Uruguay. Inst. Nac. de Colon. B. 2(17):9-10. June 1951. 282.29 Ur8
- 66252 JOHANNES, R. Spencer soil can grow high quality forage. Wis. Agr. Col. Ext. C. 396, 11 p. May 1951. 275.29 W75C
- 66253 JOHNSTON, G. R. Some effects of soil and climate on the quality of winter wheat grown in Ontario. Ontario. Agr. Col. Winter Wheat Impr. Ontario. Annu. Rpt. 8:20-29. Apr. 1951. 59.9 On82A
- 66254 JONES, G. H. G. Pot culture studies on the likely manurial value of sodaposphate. Kenya. Dept. Agr. Annu. Rev. 1950:55-59. 24 K423
- 66255 JOSEFSSON, A. Nitrogen fertilizing of feed beets promotes development of raw protein. (In Swedish.) Växt-Närings-Nytt 7(3):14-16. 1951. 57.8 V47
- 66256 JUON, P. L. Problems of fertilization; soil acidity and its elimination. (In Italian.) Agenzia Romana Note e Inform. Agr. 32:7. May 7, 1951. 281.8 Ag3

- 66257 KAPP, L. C., and CHEANEY, R. L. Correlation of forage yields and soluble soil phosphorus on Lake Charles clay loam. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1369, 3 p. May 14, 1951. 100 T31P
- 66258 KATS, P. S. Concerning the effectiveness of granulated superphosphate for potatoes. (In Russian.) *Sovet. Agron.* 9(3):69-72. Mar. 1951. 20 So84
- 66259 KELLER, H. Grundbegriffe aus ackerbau- und düngungslehre. Wien, Fromme, 1950. 249 p. 56.6 K28
- 66260 KONIG, R. Richtige düngung und pflege der weiden. *Landwirt. Z. der Nord-Rheinprov.* 118:500-501. June 9, 1951. 18 L2344
- 66261 KOPETZ, L. M. Die bedeutung der stickstoffdüngung. *Bodenkultur* 5:37-42. 1951. 19 B635 Austria.
- 66262 KRNIATIAN, T. S. The response of local species of Armenian wheat to mineral fertilizers under the conditions of Leninakan plateau. (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3: 810-812. 1950. 20 Er4
- 66263 LATIMER, L. P. The role of secondary elements in apple orchards. *N. H. Hort. Soc. J.* 14:105-110. 1951. 81 N452J
- 66264 LEE, L. S. A lysimetrical study on five kinds of sugarcane soil in Taiwan. (In Chinese.) *Taiwan Sugar J. Q.* 3(2):201-223. Ref. Mar. 1951. 65.8 T13 English summary.
- 66265 LINEBERRY, R. A., and BURKHART, L. Degree of calcium saturation of soil in relation to growth and calcium content of strawberry plants. *Soil Sci.* 71: 455-466. June 1951. 56.8 So3
- 66266 LITYNSKI, T., SOŁTYS, J., and ZEMBACZYNSKI, A. O poglownym nawożeniu buraków pastewnych steżonym roztworem amoniaku. Top dressing manuring of mangolds (*Beta vulgaris*) with concentrated aqua ammonia. *Akad. Umiej. Prace Roln.-Leśne* 51, 16 p. 1950. 20.5 K85 English summary.
- 66267 LONG, O. H., and SHERBAKOFF, C. D. Effect of nitrogen on yield and quality of wheat. *Agron. J.* 43: 320-321. July 1951. 4 Am34P
- 66268 LOWERY, G. W., and RHOADES, H. F. Commercial fertilizers for corn in central and eastern Nebraska. *Nebr. Agr. Expt. Sta. Outstate Testing C.* 14, 29 p. Ref. Apr. 1951. 100 N270
- 66269 MCMILLAN, J. A. Cereal straw. *Gt. Brit. Min. Agr. Agriculture* 58:115-118. June 1951. 10 G79J Use on the farm including its return to the soil.
- 66270 MARTINO, C. Fertilizer tests with ammonium diphosphate and potassium fertilizers. (In Italian.) *Tabacco* 55:134-142. Apr. 1951. 69 8 T115
- 66271 MITRA, A. K., and GUPTA, P. S. Paddy manuring and its economics in Uttar Pradesh. *Indian Farming* 11:295-297. July 1950. 22 In283
- 66272 MOLFINO, R. H. Que es el suelo agricola? *Pampa Argentina* 24(279):2. Mar. 1951. 9 P19 Fertility. Also in *Bolsa de Com., Rosario. Rev.* 39(942):3-4. Apr. 15, 1951. 287 R71
- 66273 MORITA, S. Studies on the soils of apple orchards in Japan. *I. Hort. Assoc. Japan. J.* 19:150-152. June 1950. 87 H78
- 66274 MORITA, Y. Studies on physical properties of soils in relation to fruit tree growth. I. Survey of orchard soils. (In Japanese.) *Hort. Assoc. Japan. J.* 19:134-142. Ref. June 1950. 87 H78
- 66275 MOTT, G. O. Fertilization of forages. In *Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages*, p. 448-460. Ref. Ames, 1951. 60 H87
- 66276 MUKERJI, B. K., and VERMA, G. Manuring of sugarcane. *Sugar Technol. Assoc. India. Proc.* 19:46-69. Ref. 1950. 65.9 Su33P
- 66277 MYERS, B. A. Sunday soil. *Farm J.* 75(7):39. July 1951. 6 F2212 Soil in need of organic matter.
- 66278 NELLER, J. R., and others. Sulfur requirement of soils for clover-grass pastures in relation to fertilizer phosphates. *Fla. Agr. Expt. Sta. B.* 475, 32 p. Ref. Apr. 1951. 100 F66S G. B. Killinger, D. W. Jones, R. W. Bledsoe, and H. W. Lundy, joint authors.
- 66279 NELSON, C. E., LEAMER, R. W., and VIETS, F. G. Moisture and fertility studies on alfalfa on the Development Farm near Pasco, Washington. *U. S. Bur. Plant Indus., Soils, & Agr. Engin. Res. Rpt.* 216, 12 p. May 15, 1951. 1.965 S4R312
- 66280 NEMEC, A. Studies on the nutrition of dying fir in the forest district Rosice in Moravia. (In Czech.) *Lesn. Práce* 29:261-271. 1950. 99.8 L56 English summary.
- 66281 NIESCHLAG, Fr. Frühzeitige kalidüngung erhöht die wirkung! *Landwirtbl. Weser-Ems.* 98:409-410. May 10, 1951. 18 L2345
- 66282 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Lime and liming. *North. Ireland. Min. Agr. L.* 84, 7 p. Apr. 1951. 10 N81
- 66283 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Manuring farm crops. *North. Ireland. Min. Agr. L.* 86, 12 p. Apr. 1951. 10 N81
- 66284 OGDEN, W. B. Wisconsin tobacco soils; their fertility & management. *Wis. Agr. Expt. Sta. B.* 493, 20 p. Apr. 1951. 100 W75
- 66285 OLIVE, F. R. El nitrógeno del aire es básico en la agricultura. *Café de El Salvador* 21:177-179. Mar. 1951. 68.28 C112
- 66286 OLIVEIRA, B. DE. Problems of agricultural geography. (In Portuguese.) *Brazil. Cons. Nac. de Geog. B. Geog.* 8:487-488. July 1950. 331.9 B73 Soil fertility and erosion in Brazil.
- 66287 OLMSTED, F. S. Get ready to fertilize your fields this fall. *East. States Coop.* 27(7):9. July 1951. 280.28 Ea7
- 66288 ORCHARD, E. R., and GREENSTEIN, E. J. Greenmanure as a source of phosphate for crops. I-II. *Union. Soc. Africa. Dept. Agr. Sci. B.* 290, 22 p. 1948/49. 24 So84S
- 66289 OSGOOD, O. T. Heavy fertilizer for corn found most profitable when applied on soils best suited for corn production. *Miss. Farm Res. [Miss. Sta.]* 14 (4):7. Apr. 1951. 100 M69Mi
- 66290 PARKER, E. R., and JONES, W. W. Effects of fertilizers upon the yields, size and quality of orange fruits. *Calif. Agr. Expt. Sta. B.* 722, 57 p. Ref. Mar. 1951. 100 C12S
- 66291 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Divulgaciones sobre abonado del viñedo. *Semana Vitivinif. 6(237):2-3.* Jan. 13, 1951. 95.8 Se5
- 66292 PETERSON, J. B. The "why" of liming. *Rock Prod.* 54(6):122-123, 144. June 1951. 299.8 R59
- 66293 PHILLIS, E. Summary of recommendations. *Rubber Res. Scheme Ceylon. Q. C.* 26:50-51. Dec. 1950. 78.9 C33Q Fertilizing.
- 66294 PLOCK, H. Gründüngung im obstbau. *Obst u. Gart.* 6:41-42. Mar. 1951. 80 Ob75
- 66295 PREVOT, P., and OLLAGNIER, M. Application du diagnostic foliaire à l'arachide; premiers résultats au Sénégal. *Oléagineux* 6:329-337. Ref. June 1951. 77.8 OL2
- 66296 PURVIS, E. R. Healthy soils for healthy plants. *Amer. Rose Mag.* 9(6):17-19. May/June 1951. 80 Am327A
- 66297 RAINERI, C. Use of chemical fertilizers and other matters. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 2(47):6-7. June 29, 1951. 281.8 Ag3
- 66298 RAO, W. V. B. S., and GHOSH, A. B. Indicator plant studies. I-II. (Abs.) *Indian Sci. Cong. Proc.* 36(3): 197-198. 1949. 513 In22 Experiments with Egyptian clover and corn.
- 66299 REEVES, R. F. Strip cropping saves the soil. *Tex. Livestock J.* 10(4):6. Apr. 15, 1951. 49 T29
- 66300 RENAULT, R. Chimie nucléaire et agrotechnie. *Acad. d'Agr. de France. Compt. Rend.* 37:271-274. Apr. 18/25, 1951. 14 P215Bc Use of isotopes in fertilizer study.
- 66301 REYNOLDS, E. B., and ROBERTS, J. E. Effect of legumes & nitrogen on the yields of cotton & corn on Lufkin fine sandy loam. *Tex. Livestock J.* 10(5):14. May 15, 1951. 49 T29
- 66302 RIEDER, P. Der verkehrswert des waldbodens. *Schweiz. Z. f. Forstw.* 102:311-312. May/June 1951. 99.8 J82
- 66303 RUBBER RESEARCH SCHEME, CEYLON. On manuring and related problems in rubber. *Rubber Res. Scheme Ceylon. Q. C.* 26:42-49. Dec. 1950. 78.9 C33Q
- 66304 RUSSELL, SIR E. J. A student's book on soils and manures. Ed. 4. Cambridge, U. Press, 1951. 298 p. 56.7 R91
- 66305 SAUCHELLI, V. Some general notes on fertilizer pastures. *Md. Farmer* 35(5):29. May 1951. 6 M362
- 66306 SAUNDER, D. H. Value of vermiculite in agriculture and horticulture. *Rhodesian Tobacco J.* 3:61-67. Jan. 1951. 69.8 R34
- 66307 SCHATZEL, B. Phosphatdünger. *Chem. Tech.* 3:72. Mar. 1951. 384 C4283
- 66308 SCHULZE, E. Ein beitrag zur düngung der zuckerrüben. *Zucker* 4:48-50. Feb. 1, 1951. 65.8 Z82

- 66309 SCHULZE, E. Handelsdünger- und stallmistwirkungen auf den zuckergehalt und zuckerertrag der zuckerrüben. Zucker 4:115-117. Mar.15,1951. 65.8 Z82
- 66310 SCHWARZ, H. Kalidünger. Chem Tech. 3:73. Mar.1951. 384 C4283
- 66311 SEVEREN, M. L. VAN. Suelos y los elementos esenciales para las plantas. Café de El Salvador 21:183-186. Mar.1951. 68.28 C112
- 66312 SHEWELL-COOPER, W. E. Safeguarding strawberries; science is producing tougher varieties, but the proper use of fertilizers remains vital. Field 197:959. June 16,1951. 10 F45
- 66313 SLAWIK, O. Über das leben und die düngung im garten. Obst u. Gart. 6:26-28. Feb.1951. 80 Ob75
- 66314 STANBERRY, C. O., and CLORE, W. J. How do nitrogen and phosphorus fertilizers affect the composition and keeping quality of Bing cherries? Wash. State Hort. Assoc. Proc. 46:26-27. 1950. 81 W273
- 66315 STARCHER, G. C. The function of minerals; minor minerals, as well as the more widely-used major ones, are essential to plant growth. South. Farmer 112(4): 6. Apr.1951. 6 So833A
- 66316 STATEN, G. A preliminary report on spraying nitrogen fertilizers on cotton. N. Mex. Agr. Expt. Sta. Press B. 1048,3 p. Dec.1950. 100 N465
- 66317 STENUIT, D., and PIOT, R. Influence du type de sol sur la viticulture sous verre. Internatl. Cong. Soil Sci. Trans. 4(3):156-161. 1950. 56.09 In844
- 66318 STENUIT, D. Recherches en viticulture sous verre. Quelques aspects concernant la situation nutritive du sol. Internatl. Cong. Soil Sci. Trans. 4(3):105-110. 1950. 56.09 In844
- 66319 STEVENS, N. E. Acidity of soil and water used in cranberry culture. Wis. Acad. Sci. Arts & Let. Trans. 40(2):211-214. 1951. 500 W75
- 66320 STILLER, Die ergebnisse der boden- und blattuntersuchungen als grundlage für die düngung der obstanlagen. Obstbauversring. Mitt. 6:21-23. Feb.1951. 85 J76
- 66321 SUGIYAMA, T., and IWATA, M. Hunger signs in several vegetable crops. (In Japanese.) Hort. Assoc. Japan. J. 19:113-124. Ref. June 1950. 87 H78
- 66322 TERMAN, G. L., and others. Rate, placement and source of nitrogen for potatoes in Maine. Maine. Agr. Expt. Sta. B. 490,34 p. Ref. Apr.1951. 100 M28S
- A. Hawkins, C. E. Cunningham, and R. A. Struchtemeyer, joint authors.
- 66323 TRUCCO, J. A. Elección del suelo para la siembra de cebada cervicera. Bolsa de Com., Rosario. Rev. 39(940):3-4. Mar.15,1951. 287 R71
- 66324 TULIN, A. S. Methods for the increase of the effects of manure and of phosphate. (In Russian.) Sovet. Agron. 9(3):32-42. Mar.1951. 20 So84
- 66325 TUNG, M. L. The problem on the use of calcium cyanamid as a source of nitrogen for sugarcane in Taiwan. (In Chinese.) Taiwan Sugar J. Q. 3(2):102-111. Ref. Mar.1951. 65.8 T13
- English summary.
- 66326 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Summary of cooperative radiophosphorus field experiments, 1950 and review of published data from radiophosphorus field experiments, by R. W. Pearson, R. Q. Parks, S. R. Olsen, C. A. Black, L. B. Nelson, and L. A. Dean. Beltsville, 1951. 38 p. Ref. 1.965 S2Su6
- 66327 VALLANCE, L. G., and LEVERINGTON, K. C. The improvement of soils by the application of molasses and sweet sorghum residues. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:107-110. Jan.1,1951. 65.9 Q3C
- 66328 VIDAL MORA, J. M. Reconocimiento de los abonos. Balearic Isl. Diputación Prov. B. de Agr. 78:4-5. Mar.1951. 15 B19
- 66329 VINING, K. They found a shortcut to farm fertility; are green manures and fertilizers the answer on grain farm? Prairie Farmer, Ill. Ed. 123(12):1,28. June 16,1951. 6 P883B
- 66330 VLASŮK, P. A. On regulating the moisture in the soil and its utilization by field plants. (In Russian.) Ukraine. Sovet po l'uch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklim. Uslovifa Stepi Ukrain. SSR i Puti l'kh Uluchsheniya; Trudy Konf. 1:148-155. 1950. 20 Uk73
- 66331 VOSS, E. E. Plants need minor elements. Purdue Agr. 42(8):9. May 1951. 6 P97
- 66332 WALSH, T., MANNION, L., and RYAN, P. F. Some aspects of the fertility status of Irish soils. Internatl. Cong. Soil Sci. Trans. 4(3):111-115. Ref. 1950. 56.09 In844
- 66333 WALSH, T., and CLARKE, E. J. Some orchard soil studies with particular reference to potash deficiency. Internatl. Cong. Soil Sci. Trans. 4(3):119-123. 1950. 56.09 In844
- 66334 WALTMAN, C. S. Nitrogen and phosphorus relationships in strawberries. Ky. Agr. Expt. Sta. B. 562, 11 p. June 1951. 100 K41
- 66335 WEBER. Der verkehrswert des waldbodens. Schweiz. Z. f. Forstw. 102:313-314. May/June 1951. 99.8 J82
- 66336 WEST VIRGINIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fertilizers for greener hills. W. Va. Agr. Col. Ext. Misc. P. 8, chart. Apr.1951. 275.29 W522M
- Fertilizers for grain, hay crops, pasture, tobacco, vegetables and small fruits.
- 66337 WHITEHEAD, S. B. Lime is the key to soil fertility. Fruit & Prod. 5(9):12-13. Feb.1951. 80 F9427
- 66338 WILDE, S. A., and PAUL, B. H. Rate of growth and composition of wood of quaking and largetooth aspen in relation to soil fertility. Wis. Acad. Sci. Arts & Let. Trans. 40(2):245-250. 1951. 500 W75
- 66339 WILLCOX, O. W. Theory and practice of the farmer's one-plot fertilizer test: II. Sugar 46(7):34-37. July 1951. 65.8 F11
- 66340 WILLFROTH, E. Die bedeutung der mineraldünger. Chem. Tech. 3:70. Mar.1951. 384 C4283
- 66341 WILLFROTH, E. Stickstoffdünger. Chem. Tech. 3:71-72. Mar.1951. 384 C4283
- 66342 WILLIAMS, A. Legumes for oranges? Fertilizing oranges with leguminous trees. South. Farmer 112(4):8. Apr.1951. 6 So833A
- Albizzia.
- 66343 WITTICH, W. Probleme der waldbodenschätzung. Allg. Forstw. 6:233-236. May 30,1951. 99.8 AL52
- 66344 WOLCOTT, A. R., and CARGO, W. Lime, phosphate and potash for alfalfa in the upper peninsula of Michigan. Mich. Agr. Expt. Sta. Q. B. 33:337-342. May 1951. 100 M58S
- 66345 WYCHE, R. H., and CHEANEY, R. L. The efficiency of fertilizer applications on dry, wet and flooded soils, as measured by rice yields. Tex. Agr. Expt. Sta. Prog. Rpt. 1355,2 p. Apr.6,1951. 100 T31P
- 66346 WYCHE, R. H., and others. Fertilizer requirements for rice following improved and unimproved pastures. Tex. Agr. Expt. Sta. Prog. Rpt. 1355,2 p. Mar.5,1951. 100 T31P
- R. L. Cheaney, R. M. Welhing and J. B. Moncrief, joint authors.
- Also in Rice J. 54(6):28. June 1951. 59.8 R36
- 66347 WYCHE, R. H., and CHEANEY, R. L. Yields of rice as affected by different nitrogenous fertilizers, lime and phosphoric acid, 1949-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1347,2 p. Apr. 2,1951. 100 T31P
- 66348 YOUNGBERG, C. T. Evolution of prairie-forest soils under cover of invading northern hardwoods in the driftless area of southwestern Wisconsin. Wis. Acad. Sci. Arts & Let. Trans. 40(2):285-289. 1951. 500 W75
- 66349 YUAN, T. L. Principles and practices of plant analysis as an aid in diagnosing soil fertility and plant nutritional status. (In Chinese.) Taiwan Sugar J. Q. 3 (2):170-200. Ref. Mar.1951. 65.8 T13
- English summary.
- 66350 ZOMOZA, A. L. El suelo y sus relaciones con los cultivos. Bolsa de Com., Rosario. Rev. 39(941): 3-5. Mar.31,1951. 287 R71

Soil Tilth and Tillage

- 66351 BLAIR, C. H. Roses deserve a good mulch. Amer. Rose Mag. 9(6):19-20. May/June 1951. 80 Am327A
- 66352 BONISCONTRI, V. Tillage of the soil. (In Italian.) Agr. Ital. 2:162-164. Mar.15,1951. 16 Ag822
- 66353 BULL, A. D. Plow pan, the unseen enemy that stunts our farm production. Farmer-Stockman 54 (6):10,38. June 1951. 6 Ok45
- 66354 LAW, J. B. Chiseling for greater profits. U and I Cult. 11:32-33. Mar.1951. 66.8 U12
- Tillage.
- 66355 MARIMPIETRI, L. A new conception of land tillage, settlement and drainage. Internatl. Cong. Soil Sci. Trans. 4(3):13-17. 1950. 56.09 In844
- 66356 PLOCK, H. Die bedeutung der bodenbearbeitung für die jungen obstbäume. Obst u. Gart. 5:162-163. Nov.1950. 80 Ob75

- 66357 REVIKIN, I. U. Use of Goriachkin's densimeter for testing the quality of soil tillage. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok. 12:127-130. 1950. 20 M875
- 66358 REYNOLDS, E. B., and JONES, D. L. Effect of summer fallow on yields of cotton and sorghum in the High Plains of Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1357, 4 p. Apr. 9, 1951. 100 T31P
- 66359 ROBERT, E. Un moyen original pour maintenir la fraîcheur au pied des arbres. Cour. Hort. 3:99. Feb. 1951. 80 C834
- Wet charcoal mulch.
- 66360 ROGERS, H. T. We farmed too well. Idaho Farmer 69:476, 490-491. June 21, 1951. 6 G282
- Minimum cultivation of wheat in Washington.
- 66361 SCHALLER, F. W. Plow, list or disk? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:175-178. June 1951. 275.28 Io94
- Seedbed preparation for corn in western Iowa.
- 66362 SNIJDERS, J. H. The importance of weeds to cultures. (In Dutch.) Bergcultures 20:175, 177, 179, 181, 183. May 16, 1951. 22.5 B45
- 66363 SLIPHER, J. A., and SILVER, E. A. Are you designing and building the right kind of seedbed? Ohio Farmer 207(9):3, 22. May 5, 1951. 6 Oh3
- Tillage in building a good corn seedbed.
- 66364 SÜAB, H. Die bodenbearbeitung—ein grossfaktor der bodenfruchtbarkeit. Landwirtschaft 1951:159-162. May 1951. 19 L235
- Drainage, Irrigation, Water Supply, and Flood Control**
- 66365 ANNETT, H. E. The economic aspect of spray irrigation of pasture. New Zeal. J. Agr. 82:397, 399-400. May 1951. 23 N48J
- 66366 BARBIERI, R. Irrigation of clay soils. (In Italian.) Agr. Ital. 2:159-161. Mar. 15, 1951. 16 Ag822
- 66367 BARONA DE LA O., F. Revestimiento permanente, con concreto hidráulico, de los canales de riego. Ingen. Hidrául. en Méx. 4(3):23-33. July/Sept. 1950. 290.8 In43
- English summary, p. ii.
- 66368 BLANCO, G. El Lago de Chapala y la escasez de agua. II. Rev. de Econ. 14:39-41. Mar. 1951. 280.8 R3293
- Water policy in agriculture.
- 66369 BOER, H. E., and KIELMAN, J. A. Rivieren, rijnshoutconstructies, dijken, duinen en stranden, waterschapen, polders en droogmakerijen [River, spray-wood construction, dikes, dunes and beaches, drainage societies, polders and reclaimed lands]. Ed. 4, rev. and improved with the cooperation of W. M. H. Engelberts. Amsterdam, Kosmos, 1951? 309 p. (Weg- en waterbouwkunde, deel 3) 290 B634
- 66370 BOOHER, L. J. Improve your irrigation practices. U and I Cult. 11:30-31. Mar. 1951. 66.8 U12
- 66371 BRENDLER, R. A. What is in your irrigation water. Calif. Avocado Soc. Ybk. 35:74-75. 1950. 81 C128
- 66372 BROUWER, W. Die feldberechnung, ihre zweckmässige anwendung in der landwirtschaft. Stuttgart, Ulmer, 1950. 171 p. 55 B793
- 66373 CHALAM, G. V. Land reclamation work in Orissa. Indian Farming 11:289-291. July 1950. 22 In283
- 66374 CHIUSOLO, R. Phreatic waters, wealth of Apulia. (In Italian.) Agr. Ital. 2:244-245. May 1/15, 1951. 16 Ag822
- Includes use for irrigation.
- 66375 CHRISTIE, G. A. Some notes on cane irrigation. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:113-115. Jan. 1, 1951. 65.9 Q3C
- 66376 CHURCH, R. J. H. Irrigation in the inland Niger delta of the French Sudan. Geog. J. 117:218-220. June 1951. 472 G29
- 66377 CLYDE, G. D. Water use and disposal with particular reference to irrigation, drainage, and reclamation in the United States of America. Conserv. Amer. 9:3-15. Ref. Apr. 1951. 279.8 C767
- 66378 COONY, J. J. Could you defend your irrigation practices? Calif. Citrog. 36:378. July 1951. 80 C125
- 66379 CUEVAS I., C. Vertedor lateral doble. Ingen. Hidrául. en Méx. 4(3):19-20. July/Sept. 1950. 290.8 In43
- English summary, p. i.
- 66380 DARAGON, J. Les caractéristiques des pompes pour irrigation. Chambre d'Agr. des Régions de Rabat, du Rharb et d'Ouezzan. B. 17:2502-2506. Jan. 1951. 24 C352
- 66381 DILLON, J. Calculation of flows in graded banks and waterways. N. S. Wales. Soil Conserv. Serv. J. 7:36-42. Jan. 1951. 56.9 N472
- 66382 DONATELLI, I. Agriculture and fertilizer-irrigation in Comelico. (In Italian.) Agr. delle Venezie 5:144-151. Mar. 1951. 16 Ag826
- 66383 ECHEAGARAY BABLOT, L. Los recursos naturales de Yucatán en relación con sus posibilidades de riego. Ingen. Hidrául. en Méx. 4(3):34-68. Ref. July/Sept. 1950. 290.8 In43
- English summary, p. ii.
- 66384 EDWARDS, F. E., and others. Effects of irrigation on corn and pasture studied. Miss. Farm Res. [Miss. Sta.] 14(5):1, 7. May 1951. 100 M69Mi
- E. A. Kimbrough, R. Dickerson, O. W. Easley, H. W. Bennett, and H. H. Leveck, joint authors.
- 66385 EVER think about irrigating pasture? Farm J. 75(8):54-56. Aug. 1951. 6 F2212
- 66386 FINE, L. O. Looking ahead to irrigation in the more humid sections of South Dakota. S. Dak. Farm & Home Res. [S. Dak. Sta.] 2:38-39, 42. Winter 1951. 100 So82S
- 66387 FRIEDMANN, G. Fertilizer application and irrigation in Cadore. (In Italian.) Italia Agr. 88:280-288. May 1951. 16 It1
- 66388 GARTON, J. E. A graphic method of finding the depth of irrigation water applied. Agr. Engin. 32:376. July 1951. 58.8 Ag83
- 66389 HAVILAND, P. H. Our amended water law—as it affects farmers and others. Rhodesian Tobacco J. 3:81-89. Jan. 1951. 69.8 R34
- 66390 HENDERSON, G. R., and WHITE, L. R. Surface drainage on vlei lands. Kenya. Dept. Agr. Annu. Rev. 1950:43-46. 24 K423
- 66391 HERNÁNDEZ RAMOS, J. Las heredades de aguas de Gran Canaria. II. Agricultura [Madrid] 20:212-218. May 1951. 15 Ag84
- 66392 HILGEMAN, R. E. Irrigation of Valencia oranges. Calif. Citrog. 36:370, 372. July 1951. 80 C125
- 66393 HIRSCHI, F. Der bauer als drainiermeister. Grüne 79:335-339. Mar. 23, 1951. 17 Sch9
- 66394 HOUSTON, C. E., and WORK, R. A. Water report; outlook for 1951 water supply of the West. Reclam. Era 37:102-104. May 1951. 155.84 R24
- 66395 HUGHES, W. F. Irrigation in Texas: the outlook. Tex. J. Sci. 3:76-78. Mar. 30, 1951. 470 T31
- 66396 INDIA. CENTRAL BOARD OF IRRIGATION. Irrigation in India through ages. India. Cent. Bd. Irrig. Pop. Ser. L. 7, 23 p. 1951. 55.9 In222P
- 66397 IRRIGATION and rotation in the Chianan Irrigation area. (In Chinese.) Taiwan Sugar J. Q. 3(2):240-297. Mar. 1951. 65.8 T13
- 66398 IZBASH, A. G. To increase the area of irrigated vineyards in the South of Ukraine. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):21-23. Nov. 1950. 95.8 V77
- 66399 JARVIS, M. W. Some observations of irrigation problems of orchards. Fruit World Annu. 52(4):34. Apr. 10, 1951. 80 F948
- 66400 JEPSON, S. Subsoil irrigation. Gard. Illus. 68:194. July 1951. 80 G169
- 66401 JOHNSTON, C. N. Irrigation wells and well drilling. Calif. Agr. Expt. Sta. C. 404, 30 p. May 1951. 100 C12S
- 66402 JORDAN, H. L. Regadios; el agua y el campo. Siembra [Madrid] 7:14-16. Jan. 1951. 15 Si1
- Spain.
- 66403 KING, R. E. Stage predictions for flood control operations. Amer. Soc. Civ. Engin. Proc. 77(separate 79), 9 p. July 1951. 290.9 Am3Ps
- 66404 LARSON, C. A. Where there's water, there is wealth. Oreg. Dept. Agr. Agr. B. 170:13-15. June 1951. 2 Or3
- Umatilla Irrigation Project.
- 66405 LIU, K. C. A comparative study of the sugar industry in Hawaii and Taiwan. II—Irrigation, fertilizer and sugarcane varieties. (In Chinese.) Taiwan Sugar J. Q. 3(2):224-239. Mar. 1951. 65.8 T13
- 66406 LULLO, C. DI. Irrigation, pumps, and "prevalence." (In Italian.) Terra e Sole 1951:232-233. June 1951. 16 T273
- 66407 MAHER, C. Land drainage. Kenya. Dept. Agr. Annu. Rev. 1950:46-47. 24 K423
- 66408 MAJUMDAR, S. C. Flood control. Natl. Inst. Sci. India. Proc. 16:463-468. Nov./Dec. 1950. 513 N212
- 66409 MANN, D. H. Drainage makes possible good crops. Utah Farmer 71:579, 594. July 19, 1951. 6 D45

- 66410 MARCHESI, J. M. Descubrimiento de las aguas subterráneas por el método de la resistividad eléctrica del subsuelo. Siembra [Madrid.] 7:5-7. Jan. 1951. 15 S11
- 66411 MARESCALCHI, C. Overhead irrigation in the vineyard. (In Italian.) Terra e Sole 1951:226. June 1951. 16 T273
- 66412 MARTENS, H. Beseitigung von Schäden an ober- und unterwasserkäulen. Müllerei 4:301-302. May 5, 1951. 298.8 M91
Erosion control by planting.
- 66413 MAZZARELLA, P. Irrigation in Verona. (In Italian.) Agr. Ital. 2:245-249. May 1/15, 1951. 16 Ag822
- 66414 MENDES, F. S. Water and irrigation. (In Portuguese.) Lav. Arroz. 5(52):39-40. Apr. 1951. 59.8 L39
- 66415 MILLER, L. A. The report on water resources policy. Edison Elect. Inst. B. 19:230-232. July 1951. 335.8 Ed4
Includes irrigation.
- 66416 MILLER, M. R. The quality of the water of the Humboldt River. Nev. Agr. Expt. Sta. B. 186, 31 p. Oct. 1950. 100 N41S
- 66417 MILNER, R. Plan your drainage according to your soil. Ohio Farmer 208(2):19. July 21, 1951. 6 Oh3
- 66418 MOOKERJEE, D. Estimation of runoff in the design of cross-drainage works. India. Cent. Bd. Irrig. J. 7:306-308. May 1950. 55.9 In222C
- 66419 NAAS, O. Practical observations of irrigation. (In Swedish.) Lantmannen 35:518-519. June 30, 1951. 11 L234
- 66420 NEW ZEALAND. DEPT. OF LANDS AND SURVEY. Drainage operations in Hauraki Plains; report for the year ended 31st March, 1950. Wellington, 1950. 6 p. 54.9 N48D
- 66421 NEW ZEALAND. DEPT. OF LANDS AND SURVEY. Rangitiki land drainage; report for the year ended 31st March, 1950. Wellington, 1950. 3 p. 54.9 N48
- 66422 NEWCOMBE, C. L. Water wealth lost by silt pollution. Soil Conserv. 16:272-274, 278. July 1951. 1.6 So3S
- 66423 NICHOLSON, H. H. Groundwater control in reclaimed marshland. World Crops 3:251-254. July 1951. 281.8 W892
- 66424 NORTH DAKOTA. STATE WATER CONSERVATION COMMISSION. Pumping groundwater for irrigation arouses much interest. N. Dak. State Water Conserv. Comm. Inform. B. 1951, 4 p. Feb. 1951. 292.9 N813I
- 66425 PENNY, J. M. Irrigation and drainage. (In Portuguese.) Lav. Arroz. 5(52):9-10. Apr. 1951. 59.8 L39
- 66426 PETERSON, M. L. Irrigated pastures. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p. 631-638. Ames, 1951. 60 H87
- 66427 POWERS, W. F. Flood control for Virginia. Va. Forests 6:6-7, 14, 16, 18. Jan./Feb. 1951. 99.8 V81
- 66428 RAMADORO, A. Criteria of information for the study of a general plan of reclamation. (In Italian.) Italia Agr. 88:243-248. May 1951. 16 It1
- 66429 RAYMUNDO, M. B. The Irrigation Pump Administration, its role in the rice industry of the Philippines. Philippine Agr. Engin. J. 1:138-141. Fourth Q. 1950. 58.8 Ag88
- 66430 ROSENBERGER, F. The biological effect of modern technics. III. Trees & New Earth 14:159-169. Spring 1951. 99.8 T714
Water.
- 66431 RUPP, R. G. Water when you want it, where you want it. Farmer [St. Paul] Gen. Ed. 69(12):1, 16, 18. June 16, 1951. 6 F221I
Irrigation in Minnesota.
- 66432 SAINSAULIEU, Y. Le problème de l'hydraulique pastorale en Haute-Volta; l'aménagement nécessaire de la vallée du Sourou. Marchés Colon. 7:1479-1481. May 26, 1951. 286.8 M33
Includes irrigation policy.
- 66433 SAVAGE, Z. Investment in irrigation equipment. Citrus Mag. 13(11):12-13. July 1951. 80 C498
- 66434 SEPULVEDA JIMENEZ, E. Regadio del Departamento de Irapuato. Agr. del Norte 40:125-126. July/Aug. 1950. 9.3 So14
Chile.
- 66435 SINGH, S. M. Irrigation. Natl. Inst. Sci. India. Proc. 16:475-480. Nov./Dec. 1950. 513 N212
- 66436 SLOBODCHIKOV, D. D. Retention of thawed water - an important measure in the struggle for moisture and increased yield. (In Russian.) Sovet. Agron. 9(3):84-87. Mar. 1951. 20 So84
- 66437 SOUTHWORTH, W. L. No more shoveling. Oreg. Farmer 74:511. July 19, 1951. 6 Or32
A scientifically engineered irrigation canal.
- 66438 STRAUS, M. W. Reclamation Street - 26,000 miles long. Reclam. Era. 37:95-98. (Cont.) May 1951. 156.84 R24
The reclamation movement over the world and technical aid supplied to under-developed areas.
- 66439 TAYLOR, F. J. He's beating summer droughts; farmers in humid South Carolina now insure crops with sprinkler irrigation. Country Gent. 121(7):27, 52, 54-55. July 1951. 6 C833
- 66440 TINDALL, C. Step-by-step control makes water behave. Mo. Rur. 92(11):4-5. June 9, 1951. 6 R8891
Water and soil conservation.
- 66441 TRASK, E. E. How long should you run your sprinklers? Calif. Avocado Soc. Ybk. 35:77-78. 1950. 81 C128
- 66442 U. S. CONGRESS. HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. The Central Arizona Project. Hearings, 82d Cong., 1st sess. on H. R. 1500 and H. R. 1501, authorizing the construction, operation, and maintenance of a dam and incidental works in the main stream of the Colorado River at Bridge Canyon, together with certain appurtenant dams and canals, and for other purposes; pt. 1. Feb. 27, 28, Mar. 1, 2, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 1951; pt. 2. Mar. 15, 16, Apr. 9, 10, 11, 12, 13, 18, 1951. Washington, 1951. 862 p.
- 66443 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1948. 6, 9, 12. U. S. Geol. Survey. Water-Supply Paper 1116, 1149, 1122. 1951. 407 G29W
6, Missouri River Basin; 9, Colorado River Basin; 12, Pacific Slope Basins in Washington and Upper Columbia River Basin.
- 66444 U. S. GEOLOGICAL SURVEY. Water levels and artesian pressure in observation wells in the United States in 1947. 2. Southeastern States. U. S. Geol. Survey. Water-Supply Paper 1097, 270 p. 1951. 407 G29W
- 66445 U. S. PRODUCTION AND MARKETING ADMIN. Stanley County [South Dakota] wins its struggle for water. Soil Conserv. 16:253-255. June 1951. 1.6 So3S
- 66446 VOIGT, O. Mechanische grabenreinigung. Landmasch.-Rundschau 2:246. Dec. 1950. 58.8 L237
- 66447 WHITLOCK, R. Farmers win back the moors; it is a long, hard, and costly job, but now cattle are grazing on land where even a rabbit could not live. Field 197:825. May 26, 1951. 10 F45
In West Cornwall.
- 66448 WOOD, I. D. The right pump, right motor to fit the flow and depth of your well. West. Farm Life 53(11):5, 7. June 1, 1951. 6 R153
Locating a new well and determining the pump and power needed for irrigation.
- Erosion and Erosion Control
- 66449 AUDEN, J. B. Some factors concerning the transport of sediment by rivers. Natl. Inst. Sci. India. Proc. 16:501-511. Ref. Nov./Dec. 1950. 513 N212
- 66450 BARNETT, G. A. Some common errors in soil conservation practices. N. S. Wales. Soil Conserv. Serv. J. 7:63-69. Jan. 1951. 56.9 N472
- 66451 BASU, J. K., REGE, N. D., and GAJENDRAGAD, R. S. Controlled studies on erosion permitting and resisting crop strips. I. Poona Agr. Col. Mag. 41:248-252. Feb. 1951. 22 P79
- 66452 BELONIN, N. N. On the direction of dust storms and distribution of shelterbelts. (In Russian.) Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklim. Usloviya Step' Ukrain. SSR i Puti Ikh Uluchsheniya; Trudy Konf. 1:55-57. 1950. 20 Uk73
- 66453 BLAKE, N. A. Soil conservation in New England. N. S. Wales. Soil Conserv. Serv. J. 7:30-35. Jan. 1951. 56.9 N472
- 66454 BLISS, R. K. Soil conservation - Iowa's principal economic problem. Iowa State Watersheds B. 2(2):9-11. July 1951. 290.8 Io9
- 66455 BRINK, W. Full stature reached by National Association of Soil Conservation Districts. Soil Conserv. 16:243-244. June 1951. 1.6 So3S
- 66456 BROWNING, G. M. Forages and soil conservation. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p. 38-53. Ref. Ames, 1951. 60 H87
- 66457 BUTLER, M. D., comp. Conservation section for agronomy hand book. Wash. State Col. Ext. Mimeog. 1088, 15 p. n.d. 275.29 W27Mi
- 66458 CAMPBELL, D. A. Soil conservation studies applied to farming in Hawke's Bay. IV. Influence of farming on soil erosion. New Zeal. J. Sci. & Technol. A. Agr. Res. Sect. 32(3):15-34. Ref. Oct. 1950. 514 N48A

- 66459 CAPPS, F. O. Conservation education in Missouri. *Conserv. Volunteer* 14(81,i.e.82):47-50. May/June 1951. 279.8 C765
Includes soil conservation.
- 66460 DANIEL, H. A., ELWELL, H. M., and COX, M. B. Progress report, 1951; soil and water conservation research at the Red Plains Conservation Experiment Station, Guthrie, Oklahoma. *Okla. Agr. Expt. Sta. Mimeog.* C. 219,9 p. Apr. 1951. 100 Ok4M
- 66461 DANIEL, H. A., ELWELL, H. M., and COX, M. B. Progress report, 1951; soil and water conservation research at the Wheatland Conservation Experiment Station, Cherokee, Oklahoma. *Okla. Agr. Expt. Sta. Mimeog.* C. M-223,9 p. May 1951. 100 Ok4M
- 66462 ESHBAUGH, F. P. Trailing raspberry—another of those versatile plants. *Soil Conserv.* 16:269-271. July 1951. 1.6 So3S
Soil erosion control.
- 66463 GEYTENBEEK, P. E. Erosion losses controlled by straw cover. *So. Austral. Dept. Agr. J.* 54:391,400. Mar. 1951. 23 So84
- 66464 GROVES, D. E. Here's how a terrace was born. *Ohio Farmer* 207(11):3. June 2, 1951. 6 Oh3
- 66465 HARMER, P. M. Conservation of Michigan's muck soil. *Mich. State Col. Agr. Ext. B.* 307,23 p. 1951? 275.29 M58B
- 66466 HORTH, C. Orchard soil conservation. *Queensland Fruit & Veg. News* 1(30):9-11. June 1, 1951. 280.38 Q3
- 66467 HUMBERT, R. P. Erosion as a menace to the sugar industry of Hawaii. *Hawaii. Planters' Rec.* 54:55-63. 1951. 25 H311
- 66468 KENNERLY, A. B. Region's county agents tell how soil conservation job is going. *West Tex. Today* 32(4):6,20. June 1951. 286.8 W522
- 66469 LADEWIG, J. E., and SKINNER, A. F. Soil conservation in Queensland. 7. The prevention and control of gully erosion. *Queensland Agr. J.* 72:125-137. Mar. 1951. 23 Q33
- 66470 LOGAN, J. M. The value of soil conservation measures at Wellington. *N. S. Wales. Soil Conserv. Serv. J.* 7:43-49. Jan. 1951. 56.9 N472
- 66471 LOHR, L. Abschwemmung von erde durch fallinienpflügen am steilhang? *Tech. f. Bauern u. Gärt. Ausg. A* 3:171. Mar. 25, 1951. 58.8 T223
Germany.
- 66472 MCKNIGHT, D. What my soil conservation district has done for me. *Soil Conserv.* 16:258-260. June 1951. 1.6 So3S
- 66473 MAHER, C. The development of soil conservation in Kenya Colony. II. *World Crops* 3:258-261. July 1951. 281.8 W892
- 66474 MERRILL, L. P. West Texas resources increase as soil conservation advances. *West Tex. Today* 32(4):5,21. June 1951. 286.8 W522
- 66475 MONTGOMERY, K. M. Bulldozing hill-country tracks. *New Zeal. J. Agr.* 82:427-428. May 1951. 23 N48J
Erosion and erosion control by planting along tracks made for trucks and tractors by bulldozers.
- 66476 MOORE, O. O. Long green carpet through the woods. *Soil Conserv.* 16:286. July 1951. 1.6 So3S
Soil erosion control on the right-of-way of the Louisiana Power & Light Co.
- 66477 MORLAND, R. T. Notes on the snow lease section of Hume Catchment Area. *N. S. Wales. Soil Conserv. Serv. J.* 7:5-29. Jan. 1951. 56.9 N472
Soil conservation.
- 66478 PROTHERO, R. M. Silting in British reservoirs. *Nature [London]* 168:27. July 7, 1951. 472 N21
- 66479 PRUNER, W. Our farm goes into conservation. *Ohio Farm Bur. News* 30(11):20-21. June 1951. 6 Oh34
Terracing.
- 66480 PUCKETT, M. C. Soil conservation movement through districts. *West Tex. Today* 32(4):12,26. June 1951. 286.8 W522
- 66481 RHODES, W. J. Erosion control at Mudgee. *Erdgere demonstration. N. S. Wales. Soil Conserv. Serv. J.* 7:57-62. Jan. 1951. 56.9 N472
- 66482 RICE, T. H. The communal soil conservation effort in Nyeri District. *Kenya. Dept. Agr. Annu. Rev.* 1950:47-54. 24 K423
- 66483 ROARK, C. L. South Carolina has practical conservation workshop; state ag leaders hold 2-day school for ag teachers. *Better Farming Methods* 23(5):16. May 1951. 58.8 B46
- 66484 ROBERTSON, T. C. You can have the diamonds—if I could have the silt! *Veldtrust* 12(2):16-17, 31. Feb. 1951. 56.8 V54
- 66485 ROIJA S., G. Control y corrección de los zanjones. *Cent. Nac. de Invest. de Café. B. de Ext.* 5,4 p. Dec. 1950. 68.29 C33B
- 66486 ROTH, B. A. Short cut to land measurement. *Soil Conserv.* 16:282-283. July 1951. 1.6 So3S
Laboratory method of land measurement for soil conservation.
- 66487 SCHAEFER, I. Die diluviale erosion und akkumulation; erkenntnisse aus untersuchungen über die talbildung im Alpenvorland. *Landshut, Amt für Landeskunde, 1950.* 154 p. (Forschungen zur deutschen Landeskunde. Bd. 49) 400 Sch13
- 66488 SUAREZ DE CASTRO, F. Resultados obtenidos en algunas investigaciones sobre conservación de suelos y agua. *Cent. Nac. de Invest. de Café. Bibliot. B. Inform.* 2(14):27-33. Ref. Feb. 1951. 68.29 C332
Colombia.
- 66489 SWAN, H. J. More grass makes dollars and sense. *Agr. Leaders' Digest* 32(7):8-9. July 1951. 275.28 Am3
In soil erosion control.
- 66490 THERON, C. J. Erosion in vineyards. *Farming So. Africa* 26:109,118. Apr. 1951. 24 So842
- 66491 TSUBERBILLER, E. A. Dust storm complexes and their nature. (In Russian.) *Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklím. Usloviâ Stepi Ukrain. SSR i Puti Ikh Uluchsheniâ; Trudy Konf.* 1:35-44. 1950. 20 Uk73
Effect on plants.
- 66492 U. S. DEPT. OF AGRICULTURE. SOIL CONSERVATION SERV. Manual de conservação do solo [Manual of soil conservation]. U. S. Dept. State. Cent. Off. Translation. P. TC 284,307 p. 1951? 150 P942
- 66493 U. S. SOIL CONSERVATION SERV. Opportunities for education in soil and water conservation, by F. B. Hamilton. *Washington, 1951.* 43 p. 1.96 B96Op
- 66494 U. S. SOIL CONSERVATION SERV. Tables for 1951 agricultural statistics. *Washington, 1951.* 18 p. 1.96 Ad6Ta
Soil conservation and related data.
- 66495 U. S. SOIL CONSERVATION SERV. NORTHERN GREAT PLAINS REGION. Neighbor group approach, by E. H. Sandberg. *Bozeman, Mont., 1951.* 3 p. 1.9607 N31
- 66496 VAJDA, A. DE. Soil conservation engineering. *Natl. Inst. Sci. India. Proc.* 16:489-493. Nov./Dec. 1950. 513 N212
- 66497 WELTON, K. Changing the approach. *Soil Conserv.* 16:284-285. July 1951. 1.6 So3S
Neighbor-group approach in soil conservation.
- 66498 WHITEMAN, R. The leaves shall be green. *Manitoba Co-op.* 8(38):8. Apr. 26, 1951. 280.28 M31
Grass planting to control soil erosion.
- 66499 WIEGAND, W. G. "Future Farmers" practice conservation. *Conserv. Volunteer* 14(81,i.e.82):7-9. May/June 1951. 279.8 C765
Includes soil conservation.
- 66500 WILLIS, D. The town erosion killed. *Prog. Farmer, Tex. Ed.* 66(7):19. July 1951. 6 T311
In Jack County, Texas.
- 66501 WINSLOW, D. C. Some social implications of soil conservation districts in Oklahoma. *Okla. Acad. Sci. Proc.* 30:184-185. 1949, pub. Apr. 1951. 500 Ok42
- 66502 WOOLEY, J. C., and BEASLEY, R. P. Farm water management. *Columbia, Mo., Lucas, 1950.* 170 p. 292 W88
Erosion control practices.

Sanitation

- 66503 AUDUS, L. J. The biological detoxication of hormone herbicides in soil. *Plant & Soil* 3:170-192. Ref. Apr. 1951. 450 P696
- 66504 BOOER, J. R. The action of mercury as a soil fungicide. *Ann. Appl. Biol.* 38:334-347. Ref. June 1951. 442.8 An72
- 66505 DAVIES, J. N., and OWEN, O. Soil sterilization. I. Ammonia and nitrate production in some glass-house soils following steam sterilization. *J. Sci. Food & Agr.* 2:268-279. Ref. June 1951. 382 So12
- 66506 FALLER, A. T. Aus der praxis der erdedämpfung im erwerbsgartenbau. *Tech. f. Bauern u. Gärt. Ausg. G* 2:193-195. Apr. 25, 1950. 58.8 T223G
- 66507 GUBA, E. F., and AMES, R. W. Top soil application of chemicals for controlling carnation wilt diseases (Abs.). *Phytopathology* 41:657-658. July 1951. 464.8 P56
- 66508 MILLER, L. I. A report on the effect of ethylene dibromide soil treatment on root-knot control, nodulation, and yield of peanuts. *Va. J. Sci. (n.s.)* 2:109-112. Apr. 1951. 470 V81

66509 PARMENTIER, P. La desinfection des sols et terrains en horticulture et culture maraichère. Génie Rur. 44:196-199. June 1951. 58.8 Au8

MATERIALS FOR SOIL IMPROVEMENT

66510 RADHAKRISHNA, B. P. Notes on the occurrence of vermiculite in Mysore. (Abs.) Indian Sci. Cong. Proc. 36(3):117. 1949. 513 In22
66511 WILCOX, J. C. Compost versus chemical fertilizers. Country Life [Vernon] 35(6):14-15,18. June 1951. 7 C832
66512 WILSON, J. W. Use of organic manures. Fert. Feed. Stuffs & Farm Supplies J. 37:397-400. June 27, 1951. 57.8 F413

Primary Materials

66513 DOGGETT, S. H. Starter solutions. Prof. Gard. 3:105-106. May 1951. 80 P945
66514 EDRIDGE, T. G. A boon but no blessing. Health & Soil 1951:32-34. Spring 1951. 56.8 H34
Chemical fertilizers.
66515 LONG, O. H., and WINTERS, E. Fused tricalcium phosphate. Tenn. Agr. Expt. Sta. C. 107,4 p. Apr. 1951. 100 T25S

Secondary and Minor Element Materials

66516 AGERBERG, L. S. Cobalt as fertilizer. (In Swedish.) Växt-Närings-Nytt 7(3):4-6. 1951. 57.8 F47
66517 CHILEAN NITRATE EDUCATIONAL BUR. Bibliography of the literature on the minor elements and their relation to plant and animal nutrition, v. 2. Ed. 4. New York, 1951. 152 p. 463.34 W67
66518 DROSDOFF, M., and LAGASSE, F. S. Minor elements for maximum growth and production of tung. Amer. Tung News 1951:4-5,11. July 1951. 307.8 Am33
66519 KANNENBERG, H. Spurenelementrummel? Deut. Landwirt. Presse 74:85-86. Apr. 7, 1951. 18 D482
As fertilizers.
66520 KNICKMANN, E. Bordüngung, wann und wie? Deut. Baumsch. 3:100-102. Ref. Apr. 1951. 80 D486

Mixed Fertilizers and Fertilizer Technology

66521 BREALEY, L. The determination of potassium in fertilizers by flame photometry. Analyst 76:340-343. June 1951. 382 An1
66522 GAILLOU, G. Engrais composés de mélange et engrais composés obtenus par combinaison chimique. In Confédération Générale de l'Agriculture. Guide national de l'agriculture française, p.328-329. Paris, 1950. 33.17 C762
66523 KELLOGG, C. E. How much fertilizer shall I use? A gardener's guide for converting tons or pounds per acre into pints, cups, tablespoons, or teaspoons per row or plant. U. S. D. A. L. 307,6 p.-folder. Apr. 1951. 1 Ag84L
Formerly AIS-18
66524 KORNEICHUK, V. D. Granulation of fertilizers for vineyards. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):28-29. Jan. 1951. 95.8 V77
66525 WAESER, B. Apparaturen für schwermetallkationen und düngemittel. Chem.-Ingen.-Tech. 23:253-255. May 22, 1951. 384 C428
66526 WILSON, H. N., LEES, D. S., and BROOM-FIELD, W. The determination of potash by measurement of its radio-activity. Analyst 76:355-361. June 1951. 382 An1
In fertilizers.

Fertilizer Statistics

66527 ALVAREZ ESTEBAN, J. Para mejorar la agricultura de León se necesitan 20.000 toneladas métricas de superfosfatos, 10.000 de nitrogenados y 500 de sulfato amónico. Aliment. Nac. 11(188):6-8. Mar. 25, 1951. 389.8 AL42
66528 BOWERS, A. H. Colorful history of early plant food makers. Pacific Coast Nurseryman 10(4):15, 43. Apr. 1951. 80 P116
66529 CHAFFIN, W., and WOODWARD, R. O. The use of fertilizer in Oklahoma. Okla. Agr. Col. Ext. C. 553,16 p. n.d. 275.29 Ok41C
66530 GERMANY. BUNDESMINISTERIUM FÜR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Statistischer jahresbericht über die düngemittelversorgung im bundesgebiet im düngjahr 1949/50. Bonn, 1950. 17 p. 57.9 G31

66531 SUNDELIN, G. Current views on farm production means. (In Swedish.) Växt-Närings-Nytt 7(3):1-2. 1951. 57.8 V47

On fertilizer supply.

66532 TOTMAN, J. E. Fertilizer industry moving ahead in '52. Agr. Chem. 6(7):57,59,113. July 1951. 381 Ag8

66533 WISCONSIN. DEPT. OF AGRICULTURE. DIV. OF PLANT INDUSTRY. Commercial fertilizers—1951. Wis. Dept. Agr. B. 306,32 p. Mar./Apr. 1951. 2 W752Bu
Includes: Wisconsin fertilizer statistics—1950, by W. B. Griem.

66534 WISE, L. N., ANTHONY, J. L., and HOOVER, C. D. Sulphur shortage affects supply of superphosphate. Miss. Farm Res. [Miss. Sta.] 14(4):6. Apr. 1951. 100 M69Mi

Mineral Soil Amendments

66535 ALDRICH, D. G., JR., and SCHOONOVER, W. R. Gypsum and other sulfur materials for soil conditioning. Calif. Agr. Expt. Sta. C. 403,12 p. Mar. 1951. 100 C12S
66536 EATON, F. S. Granite stone meal as a source of potash. Shade Tree 24(4):1-4. Apr. 1951. 99.8 Sh1
66537 EHRENBERG, P. Warum nicht abfalkalk? Allgäuer Bauernbl. 19:138-139. Mar. 15, 1951. 18 AL53

Manures and Composts

66538 ACHARYA, C. N. Compost development in India. Indian Farming 11:229-235. June 1950. 22 In283
66539 AGUIRRE ANDRES, J. El mar y los cultivos agrícolas. Ganadería [Madrid] 9:106-108. Mar. 1951. 49 G15
Source of guano, seaweed, and fishmeal.
66540 ALIPRANDI, L. Manure. II. (In Italian.) Voce dei Campi 6(2):4. (To be cont.) Jan. 20, 1951. 16 V852
Preparation.
66541 ANDERSON, M. S. Wastes that improve the soil. U. S. D. A. Ybk. 1950/51:877-882. 1 Ag84Y
66542 BÖHME, C. Zum letzten mal: das leere stroh. Deut. Landwirt. Presse 74:88. Apr. 7, 1951. 18 D482
Composting.
66543 COLE, G. P. Notes on compost bins. Mother Earth 5(2):48-49. Spring 1951. 56.8 M85
66544 CORRADINI, P. Refuse materials. (In Italian.) Gior. di Agr. 61:205. July 1, 1951. 16 It1G
Manufacture of fertilizers from sewage.
66545 EARP-THOMAS, G. H. Automatic composting. Org. Farmer 2(12):17-20. July 1951. 57.8 Or3
66546 EGLE, K. Tang als futter- und düngemittel; die praktische verwertung der meeresalgen in Norwegen. Umschau 51:105-106. Feb. 15, 1951. 474 Um7
66547 GOLLOP, G. J. The use of manure in Kiambu District. Kenya. Dept. Agr. Annu. Rev. 1950:63-70. 24 K423
66548 GREGG, M. Compost gardening in the Seychelles means hard work. Mother Earth 5(2):44-46. Spring 1951. 56.8 M85
66549 HILTON, A. C. Our natural resources. 3. Seaweed could give us humus. Health & Soil 1951:10. Spring 1951. 56.8 H34
66550 HOLMES, G. Use poultry manure for cheaper crop growing. Mod. Poultry Keeping 65:45. July 11, 1951. 47.8 Eg3
66551 OLIVER, B. Old boots are grist to my compost mill! Health & Soil 1951:36-37. Spring 1951. 56.8 H34
66552 PLUMMER, A. The compost heap of the kitchen. Mother Earth 5(2):53. Spring 1951. 56.8 M85
66553 REINKE, E. A. California regulates use of sewage for crop irrigation. Wastes Engin. 22:364,376. July 1951. 449.8 M92
66554 RODALE, J. I. The anaerobic method of compost making. Mother Earth 5(2):33-35. Spring 1951. 56.8 M85
66555 STAUSS, W. Der entthronte stallmist. Landtechnik 6:404-407. June 15, 1951. 58.8 L235
66556 TEMPLETON, G. S. Value and use of rabbit manure. Small Stock Mag. 35(7):10. July 1951. 48.8 P442
66557 WILSON, F. Notes on a system of composting in East Africa. Mother Earth 5(2):37-43. Spring 1951. 56.8 M85
66558 WILSON, F. B. Composting of farm and village waste in Nyanza Province. Kenya. Dept. Agr. Annu. Rev. 1950:59-62. 24 K423
66559 YUAN, T. L., and CHAO, K. C. Studies on bagasse compost. I. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 6:207-225. Ref. Dec. 1950. 65.9 F76R
English summary.

FORESTRY

GENERAL

- 66560 ANTONIOTTI, G. B. La garde des forets communes dans le Midi de l'Italie. (In Italian.) Italia Forest. e Mont. 6:17-18. Jan./Feb.1951. 99.8 It12 French summary.
- 66561 BENTLEY, A. W. Forestry in Newfoundland. Roy. Canad. Inst. Proc. (ser.3A)15:24-25. 1949/50. 517 T63P
- 66562 BURGER, H. Forstliche versuchsflächen im schweizerischen nationalpark. Schweiz. Anst. f. das Forstl. Versw. Mitt. 26:583-634. Ref. 1950. 99.9 Sch92
- 66563 CARLSON, F. E. Forestry via television. Wash. U. Forest Club Q. 24(2):10-14. Winter 1950/51. 99.9 W275Q
- 66564 CHAPMAN, H. H. The development of the profession of forestry in the United States. Forestry Chron. 27:129-135. June 1951. 99.8 F7623
- 66565 COLLET, M. H. Conservation and our national emergency. Unit 35:36-39. 1951. 99.9 Un34
- 66566 DANNECKER, K. Neue schule der waldbau-technik. Allg. Forstz. 6:249-254. June 13,1951. 99.8 AL52
- 66567 FEUCHT, O. Naturschutz und forstwirtschaft heute. Kosmos 47:60-63. Feb.1951. 474 K842
- 66568 FLUGGER, A. L. The role of conservation in the education program of Latin America. Conserv. Amer. 9:29-39. Apr.1951. 279.8 C767
- Forests and soils.
- 66569 GERLACH, H. Waldfürsorge, das gebot der zeit! Unser Wald 3(10):1-2. Oct.1950. 99.8 Un7
- 66570 GT. BRIT. MIN. LABOUR AND NATIONAL SERV. Forest officer, a detailed description of qualifications, training and professional opportunities. Gt. Brit. Min. Labour & Natl. Serv. Careers Men & Women Ser. 21, rev.,11 p. 1950. 275.9 G7942
- 66571 KAUFMANN, F. Aus des forstmanns arbeitsstätte. Forstl. Mitt. 4:15-16. Jan.20,1951. 99.8 F7725
- 66572 KUTTIS, N. Soviet forestry & lumbering since the war. Timber Canada 11(11):25-27,58. July 1951. 99.81 T487
- 66573 LECLERCQ, W. L. Bomenspiegel voor de wandelaar [Tree mirror for the stroller]. Ed. 3, enl. Amsterdam,Kampen,1950? 211 p. 99.25 L49
- 66574 MINKWITZ, H. VON. Künstlicher holzanbau im 18. jahrhundert in den vormals gothaischen forsten des Thüringer waldes. Forstwirt., Holzwirt. 5:36-46. (To be cont.) Feb. 15,1951. 99.8 F7793
- 66575 OETTMEIER, W. M. Reporting ten years of progress. Forest Farmer 10(6):3,9. Mar.1951. 99.8 F7692
- Forest Farmers Association.
- 66576 RAY, R. G. Impressions of Norwegian and Danish forestry. Forestry Chron. 27:96-121. June 1951. 99.8 F7623
- 66577 RESEARCH SERV., SYDNEY. Australian timber supply and consumption requirements. Sydney,1950? 86 p. 99.75 R31
- Includes 7 p. supplement dated Dec. 1950.
- 66578 ROMERO, I. Organos de publicidad en materia forestal. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:45-46. 1950. 99.9 C7622
- 66579 STAHELIN, R. Multiple-use of forestry in Switzerland. Ames Forester 1951:28-36. 99.9 Io94
- 66580 TEXAS. FOREST SERV. Arbor day. Tex. For-est Serv. C. 22,15 p. June 1950. 99.9 T31C
- 66581 VAUGHN, C. Too many Missourians can't see the forest for the trees. (Excerpts.) Mo. Wildlife 13(2): 6-7. Spring 1951. 279.8 M692
- Forest conservation.
- 66582 WECK, J. Forstliche ertragsforschung; ein überblick von 1930-1950. Forstarchiv 22:13-22. Ref. Feb.1951. 99.8 F7723

Education

- 66583 CHAPMAN, H. H. Fiftieth anniversary of Yale School of Forestry. Conn. Woodlands 16:8-9. Mar.1951. 99.8 C76
- 66584 FURSE, SIR R., HOSMER, R. S., and BRAS-NETT, N. V. Comments on Mr. Weir's article "Future forestry education." Empire Forestry Rev. 30:131-137. June 1951. 99.8 Em72
- 66585 KIAER, H. P. Higher education of engineers for the forest industry. (In Norwegian.) Norsk Skogindus. 5:5. Jan.1951. 99.82 N81

66586 KONSTANTINOV, N. To promote into produc-tion the achievements of science and practices of leaders. (In Russian.) Les i Step' 2(10):22-26. Oct.1950. 99.8 L565

Education of forestry workers chiefly.

66587 OXFORD UNIVERSITY. IMPERIAL FORESTRY INSTITUTE. Twenty-sixth annual report, 1949-50. Ox-ford,1951. 27 p. 99.08 Ox23

66588 SALZMANN. Die landesforstschule Allagen/Möhne. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:861-862. June 7,1951. 18 L2346

66589 SALZMANN, K. Die zweijährige forstschul-zeit. Deut. Forstmann, p.23-25. In Forst u. Holz 6(6). Mar.15,1951. 99.8 F7724

With note by H. Raunecker.

66590 STEWART, A. M., and others. Training of woods supervisory personnel. Symposium. Pulp & Paper Mag. Canada 52(7):166,169,170,172,174,176. June 1951. 302.8 P96

J. Tait, J. P. Crete, W. D. Bennett, M. V. Cain, and J. A. McCann, joint authors.

Policies, Programs, Administration

66591 BARRETT, L. I. An evaluation of the Federal forest research program. Forest Farmer 10(6):6,12-13. Mar.1951. 99.8 F7692

66592 BIGELOW, J. R. A development program for forestry. Canad. Agr. Econ. Soc. Proc. 20:54-60. 1950. 281.9 C16

66593 BLAIS, R. La formation des cadres des in-dustries forestières et du bois dans les territoires d'-outre-mer. Bois et Forêts des Trop. 16:333-334. Fourth Q.1950. 99.8 B632

English summary.

66594 CEYLON. CONSERVATOR OF FORESTS. Ad-ministration report for 1949. Colombo,1951. 29 p. 99.9 C33

66595 CURBELO, L. Repoblación forestal en Cuba. Rev. Ganad. [Habana] 11(7):46-47. July 1951. 49 R321

66596 DIETERICH, V. Waldnaturnah auch die forst-verwaltung! Forstwiss. Centbl. 70:162-181. Ref. Mar. 1951. 99.8 F775

Germany.

66597 GARRIDO M., C. Problema forestal del Estado de Oaxaca. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:64-67. 1950. 99.9 C7622

66598 GEMMER, E. W. The saw-timber dilemma. South. Lumberman 183(2287):52. July 15,1951. 99.81 So82

66599 GRIFFITHS, D. T. Ante proyecto de la F.A.O. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:75. 1950. 99.9 C7622

Place of forests in the F.A.O. program.

66600 GUICHON, A. Le régime domanial des forêts des nouveaux départements des Antilles Françaises. Rev. Forest. Franç. 1951:432-447. June 1951. 99.8 R329

66601 HUGUET, L. Pour une colonisation rationnelle des terres vierges de la Guadeloupe (la réalisation de l'équilibre agro-sylvo-pastoral en pays tropical). Rev. Forest. Franç. 1951:423-431. June 1951. 99.8 R329

66602 INTERNATIONAL UNION OF FOREST RE-SEARCH ORGANIZATIONS. Rapport annuel;annual re-port;jahresbericht, 1er janvier-31 décembre 1949. n.p.,1950. 43 p. 99.9 In82A

66603 JOLAIN, R. Une coopérative forestière aux U. S. A. Rev. Forest. Franç. 1951:448-450. June 1951. 99.8 R329

Otsego Forest Products Cooperative Association, Coop-erstown, New York.

66604 KOENINGS, R. H., and GRAPP, L. O. The Tigerton plan for timber marketing. Wis. Conserv. B. 16(6):14-18. June 1951. 279.8 W752

66605 MALSBERGER, H. J. Conservation report of forester-general manager. Unit 35:9-16. 1951. 99.9 Un34

Program of the Southern Pulpwood Conservation As-sociation.

66606 METZNER. Die forstabteilung des bewertungs-beirats. Forst u. Holz 6:41. Feb.1,1951. 99.8 F7724

Germany.

66607 MOORE, L. K. Red Wing plants again. Con-serv. Volunteer 14(81,i.e.82):45-46. May/June 1951. 279.8 C765

Tree planting program.

66608 NORMAND, J. Le reboisement en Tunisie. Bois et Scieries 50:224-226. Mar.8,1951. 99.81 B632

66609 NYASALAND. FORESTRY DEPT. Report for the year 1949. Zomba,1950. 21 p. 99.9 N982

- 66610 OLIVEIRA, B. DE. The forestry problem; cutting increases poverty. (In Portuguese.) Observador Econ. e Financ. 16(184):51-56. May 1951. 280.8 Ob72 Brazil.
- 66611 ONTARIO. DEPT. OF PLANNING AND DEVELOPMENT. CONSERVATION BR. Nith Valley (interim) conservation report. Toronto, 1951. various pagings. 279.135 On822N
Includes forest conservation.
- 66612 PEET, H. M. Columbia Basin development and forestry. Wash. U. Forest Club Q. 24(2):3-9. Winter 1950/51. 99.9 W275Q
- 66613 SACHS, A. VON. Das oberforstamt. Forst u. Holz 6:80-82. Mar. 15, 1951. 99.8 F7724 Germany.
- 66614 SCHMIDT, H. Die bayerische kahlflächen- und aufforstungsstatistik 1950. Allg. Forstz. 6:147-148. Mar. 28, 1951. 99.8 AL52
- 66615 STENS, W. Erbarmung manchen. Forst u. Holz 6:82-83. Mar. 15, 1951. 99.8 F7724
Excessive duties of German forestry officials.
- 66616 TAYLOR, R. F. Alaska forest research problems and program. Natl. Res. Council. B. 122:41-42. Apr. 1951. 330.9 N21
- 66617 TEXAS. FOREST SERV. The program for the 1951-1953 biennium. Tex. Forest Serv. C. 28,6 p.-folder. 1950. 99.9 T31C
- 66618 TEXAS. FOREST SERV. The Texas tree farms system. Tex. Forest Serv. C. 27,3 p. Nov. 1950. 99.9 T31C
- 66619 TEXAS. FOREST SERV. What forestry offers to Texans. Tex. Forest Serv. C. 23,4 p. Sept. 1950. 99.9 T31C
- 66620 UNION DE PRODUCTORES FORESTALES DEL ESTADO DE CHIAPAS. Problemas forestales del estado de Chiapas. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:47-51. 1950. 99.9 C7622
- 66621 U. S. FOREST SERV. NORTHERN ROCKY MOUNTAIN FOREST & RANGE EXPERIMENT STATION. Forty years of forest research in the Northern Rocky Mountain region. Missoula, 1950. 62 p. 1.9 F7628An
- 66622 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Annual report, 1950. Portland, Oreg., 1951. 62 p. 1.9622 P2An7
- 66623 VARGAS, R. Política forestal. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:57-58. 1950. 99.9 C7622
- 66624 VILLIÈRE, A. Les forêts et les administrations forestières canadiennes. Rev. Forest. Franç. 1951: 404-422. June 1951. 99.8 R329
- 66625 VODOZ, J. Zusammenhänge zwischen politischer entwicklung und waldzustand im Kanton Aargau. Schweiz. Z. f. Forstw. 102:298-310. May/June 1951. 99.8 J82
- 66626 WARD, A. H. Private enterprise in forestry. Forest Farmer 10(6):3,8. Mar. 1951. 99.8 F7692
- 66627 WEBER. Erfahrungen und aufgaben der arbeitsvorbereitung und TAN in der forstwirtschaft. Forst-wirt., Holz-wirt. 5:2-3. Jan. 15, 1951. 99.8 F7793
Russian Zone of Germany.
- 66628 WESTERN AUSTRALIA. FORESTS DEPT. Report for the year ended 30th June, 1950. Perth, 1950. 22 p. 99.9 W52A
- 66629 WISCONSIN. STATE CONSERVATION COMMISSION. Twenty-second biennial report [period ending June 30, 1950]. Madison, 1951. 128 p. 279.9 W75
Includes forestry programs.
- 66630 WOHLFARTH. Ausbau der kontrollwirtschaft. Allg. Forstz. 6:267-269. June 27, 1951. 99.8 AL52
Germany.

Legislation and Taxation

- 66631 IRION, H. The principal laws relating to the establishment and administration of the National forests and to other Forest Service activities. U.S.D.A. Agr. Handb. 20,80 p. May 1951. 1 Ag84Ah
Supersedes Miscellaneous Publication No. 135.
- 66632 KLOSE. Forstgesetz in Nordrhein-Westfalen. Deut. Forstmann, p.20-21. In Forst u. Holz 6(5). Mar. 1, 1951. 99.8 F7724
- 66633 PIFFL, T. Wem gehört das lawinenholz? Allg. Forstztg. 62:92-93. June 1951. 99.8 AL53
- 66634 SHEPARD, W. C. State park and forest legislation. Conn. Woodlands 16:7-8. Mar. 1951. 99.8 C76
- 66635 STROBL, F. 100 jahre österreichisches reichsforstgesetz; das forstgesetz wird novelliert. Burgenländische Bauernbündler 4(11):5. May 10, 1951. 19 B91
- 66636 TRESCKOW, VON. Das Niedersächsische waldnotgesetz. Forst u. Holz 6:39-41. Feb. 1, 1951. 99.8 F7724

Forest Description and Resources

- 66637 BENDA. La Forêt de Chinon. Com. des Forêts. B. 14:1288-1291. 1950. 99.9 C732
- 66638 BUCHHOLZ, E. Die waldverbreitung in der Sowjetunion. Z. f. Weltforstwirtschaft. 14:6-14. June 1951. 99.8 Z35
English summary.
- 66639 BUNNING, E. In den Chittagong-Hill-Tracts. Kosmos 47:97-102. Mar. 1951. 474 K842
Includes forests.
- 66640 CAMERO ZAMORA, J., and CASTELLO, R. P. "San Isidro de Galipán," zona de reserva forestal. Agr. Venezol. 15(149):14-15. Jan./Feb. 1951. 9.95 Ag8
- 66641 CANDY, R. H. Reproduction on cut-over and burned-over land in Canada. Canada. Forest Res. Div. Silvicult. Res. Note 92,224 p. 1951. 99.9 C16Re
- 66642 CARLINI, V. Journey across Argentina, among forests, nurseries and plantations. (In Italian). Indus. del Legno 2(12):19-22. (Cont.) Dec. 1950. 99.82 In2
- 66643 DEVOIS, J. C. Peuplements forestiers de la Basse Casamance. Inst. Franç. d'Afrique Noire. B. 10: 182-211. 1948, pub. 1951. 515 D14
- 66644 FROST, S. L. Southwestern's forest empire. Amer. Forests 57(7):6-10. July 1951. 99.8 F762
- 66645 GLOVER, SIR H. A tour in Latin America. II. Peru. Empire Forestry Rev. 30:149-155. June 1951. 99.8 Em72
- 66646 GUINIER, P. Physionomie forestière de la France. Forêts de France 28:6,29:6. (Cont.) Feb.-Mar. 1951. 99.9 F315
- 66647 GUINIER, P. Sols et forêts de l'ouest. Com. des Forêts B. 14:1232-1260. 1950. 99.9 C732
France.
- 66648 HANSEN, H. L., and RITTER, L. B. St. John's [University] forest plantations. Conserv. Volunteer 14 (81, i.e. 82):28-30. May/June 1951. 279.8 C765
Minnesota.
- 66649 HEINTZLEMAN, B. F. Forestry in Alaska. Natl. Res. Council. B. 122:126-133. Apr. 1951. 330.9 N21
Forest resources.
- 66650 HESKE, F. Der weltforstatlas. Z. f. Weltforst-wirt. 14:3-5. June 1951. 99.8 Z35
English summary.
- 66651 KUHN, K. Aus der geschichte der wälder im hohenzollernschen moränenland. Württemb. Landesstelle f. Natenschutz. u. Landschaftspflege. Veröffentl. 19:42-56. 1950. 410.9 W96
- 66652 MAKINS, F. K. The composition of British woodlands. Empire Forestry Rev. 30:138-139. June 1951. 99.8 Em72
- 66653 MEYER, K. A. Frühere verbreitung der holzarten und einstige waldgrenze im Kanton Wallis. Schweiz. Anst. f. das Forstl. Versw. Mitt. 26:683-750. 1950. 99.9 Sch92
- 66654 MULLER, B. Der "Hohe-Mark-Wald" im Taunus. Forstl. Mitt. 4:21-22. Feb. 5, 1951. 99.8 F7725
- 66655 REICHENSTEIN, E. Die forstlichen verhältnisse in Chile. Z. f. Weltforstwirtschaft. 14:21-29. Ref. June 1951. 99.8 Z35
- 66656 RIQUELME INDA, J. Inventarios forestales. Confed. de Cam. Nac. de Com. Carta Semanal 14(728):12-14. June 2, 1951. 286.8 C76
- 66657 RODGER, SIR A. A visit to South Africa. III. Exotic plantations. Empire Forestry Rev. 30:140-148. June 1951. 99.8 Em72
- 66658 SAENZ DOZAL, R. Zonas forestales del estado de Oaxaca. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:106-116. 1950. 99.9 C7622
- 66659 SHIRLEY, J. C. Oklahoma forests and woodlands. Okla. Acad. Sci. Proc. 30:3-10. 1949, pub. Apr. 1951. 500 Ok42
- 66660 STERNITZKE, H. S. and JAMES, L. M. Arkansas timber stands before and after cutting; a report of the Southern Forest Survey. U. S. Forest Serv. Forest Expt. Sta. Forest Survey Release 67 15 p. May 1951. 1.9 F7624F
- 66661 TEXAS. FOREST SERV. Texas forests and Texans. Tex. Forest Serv. C. 24,17 p. Nov. 1950. 99.9 T31C
- 66662 VARELA PONCE DE LEON, L. Reforestación y forestación en los bosques vedados, cuencas hidrográficas, zonas protectoras, reservas y el Parque Nacional "Cumbres de Majalca" [Chihuahua]. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:85-93. 1950. 99.9 C7622
- 66663 WECK, J. Die forstlichen verhältnisse des neufundländischen teiles von Labrador. Z. f. Weltforst-wirt. 14:15-21. June 1951. 99.8 Z35
English summary.

66664 YOUNG, H. A. Making the best use of Canada's forest resources. *Brit. Columbia Lumberman* 35(6):122, 124, 126, 128. June 1951. 99.81 B77

Individual Genera and Species

66665 ARETZ. Pappelanlagen in Holland. *Unser Wald* 3(10):10-11. Oct. 1950. 00.9 Un7

66666 BROWN, C. A. Cypress [*Taxodium distichum*], the tree unique: the wood eternal. *Gard. J.* 1:36-39. Mar./Apr. 1951. 80 G1635

66667 BURGER, H. Holz, blattmenge und zuwachs. X. Schweiz. Anst. f. das Forstl. Versw. Mitt. 26:419-468. Ref. 1950. 99.9 Sch92

Fagus.

66668 DECENCIERE, E. Faut-il planter des peupliers? *Forêts de France* 28:4-5. Feb. 1951. 99.9 F316

66669 EDLIN, H. L. Scots pine. *Wood* [London] 16: 239-241. June 1951. 99.82 W855

66670 FRANCK, L. Die pinie [*Pinus pinea*], Iberiens lebensbaum. *Unser Wald* 3(10):20. Oct. 1950. 99.8 Un7

66671 FRIEDRICH, A. G. Untersuchungsergebnisse zum "alten und neuen" über die sitkafichte (*Picea sitchensis* Carr.). *Forst u. Holz* 6:37-38. Ref. Feb. 1, 1951. 99.8 F7724

66672 GERRY, E. Angélique or basra locus. *Dicorynia paraensis* Bth. (=D. guianensis Amsh.) Family: Leguminosae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1787, 7 p. 1950. 1.9 R761R

66673 GUINIER, P. L'état actuel du problème des peupliers. *Com. des Forêts. B.* 14:1273-1277. 1950. 99.9 C732

66674 HILF, H. H., and ROHMEDER, E. Pappel-sortenprüfung. *Forstarchiv* 22:53-57. (To be cont.) Mar. 30, 1951. 99.8 F7723

66675 JURHAR, F. Sur le développement de l'aune [*Alnus glutinosa*] dans les prairies montagnardes des Bregin (Alpes Juliennes). (In Croatian.) *Gozdarski Vest.* 8:265-266. 1950. 99.8 G74

French summary.

66676 KEEFE, J. The French called it the red stick. *Mo. Conserv.* 12(6):7, 15. June 1951. 279.8 M69

Juniperus.

66677 LOBAEV, N. I. Platanus—into the forest plantings. (In Russian.) *Les i Step' 2*(10):109-110. Oct. 1950. 99.8 L565

66678 MAXON, M. A. Siberian elm [*Ulmus pumila*], a Great Plains 'toughie.' *S. Dak. Farm & Home Res.* [S. Dak. Sta.] 2:28-30. Winter 1951. 100 S082S

66679 MORGENTHAU, J. Die wildwachsenden und angebauten nadelgehölze Deutschlands. *Jena, Fischer*, 1950. 144 p. 452.3 M823

66680 PRYOR, L. D. A hybrid *Eucalyptus*. *Linn. Soc. N. S. Wales. Proc.* 75:96-98. 1950. 514 Sy2

66681 RAVE. Zu den untersuchungsergebnissen über die sitka des Herrn Dr. Friedrich. *Forst u. Holz* 6:38-39. Feb. 1, 1951. 99.8 F7724

66682 RUBNER, K. Die tatralärche. *Forstwiss. Centbl.* 70:129-161. Ref. Mar. 1951. 99.8 F775

66683 TILLY, J. H. DU. Le robinier faux *Acacia* [*Robinia pseudoacacia*]. *Forêts de France* 28:2, 11; 29:2. Feb.-Mar. 1951. 99.9 F315

66684 VUJIČIĆ, L. Le robinier [*Robinia pseudoacacia*]. (In Croatian.) *Gozdarski Vest.* 8:267-274. 1950. 99.8 G74

French summary.

FOREST MANAGEMENT AND FINANCE

66685 ALORI SALAS, C. Nuestros bosques necesitan mejorar sus sistemas de explotación. *Res* 19:25930-25931. May 5, 1951. 286.85 R31

Argentina.

66686 BAKER, T. M. Timber land loan program of the Federal Land Bank of Columbia. *Unit* 35:21-24. 1951. 99.9 Un34

66687 BERGER. Zu "einheitliche buchführung in der forstwirtschaft." *Forstwirtschaft, Holzwirt.* 5:56-59. Feb. 15, 1951. 99.8 F7793

66688 BILLARD, J. Redevances. *Rev. Forest. Franç.* 7/8:476-481. July/Aug. 1951. 99.8 R329

66689 COCKE, E. A forestry program for Georgia bankers. *Unit* 35:24-27. 1951. 99.9 Un34

66690 DAMTOFT, W. J. Fifty years of industrial forestry progress. *Unit* 35:31-35. 1951. 99.9 Un34

66691 EHWALD, E. Forstliche standortskartierung. *Forstwirtschaft, Holzwirt.* 5:17-21. Jan. 15, 1951. 99.8 F7793

66692 EIDMANN, F. E. Neue wege des waldbaues im lichte weltforstwirtschaftlicher erfahrungen. *Landwirt. Wohnbl. f. Westfalen u. Lippe* 108A:896, 901. June 14, 1951. 18 L2346

Forest management.

66693 FERNANDEZ, J. Importancia de los caminos forestales. *Conv. Nac. de Prod. de Maderas de Pino.* *Mem.* 4:15-17. 1950. 99.9 C7622

66694 GRANDCOURT, O. DE. Le passage des lignes électriques en forêt. *Forêts de France* 28:8-9. Feb. 1951. 99.9 F315

66695 HODGINS, H. J. Forest management in British Columbia. *Brit. Columbia Lumberman* 35(6):48, 130, 134. June 1951. 99.81 B77

66696 MCLEOD, N. W. Pavements for logging roads. *Pulp & Paper Mag. Canada* 52(7):178, 180, 183. June 1951. 302.8 P96

66697 MILLAR, J. B. Present value of immature stands. *Forestry Chron.* 27:136-139. June 1951. 99.8 F7623

66698 MOSKALENKO, P. IA. We are making use of expert methods at the forest conservation stations. (In Russian.) *Les i Step' 2*(10):70-74. Oct. 1950. 99.8 L565

Management practices at Melitopol'skaia LZS (forest conservation station).

66699 OSTWALD, H. Von dem forstlichen haushaltungsplan, der buchführung und der rechnungslegung im rahmen der waldrententheorie. *Forst u. Holz* 6(5, sup.), 8 p. Mar. 1, 1951. 99.8 F7724

66700 PUTTOCK, G. L. Planning and construction of permanent roads on Longlac Pulp and Paper Company Limited limits. *Thunder Bay Timber Oper. Assoc. Log Book* 2(6):4, 18. Mar./Apr. 1951. 99.9 T42

66701 RANDET, P. L'aménagement des forêts. *Forêts de France* 28:7. (Cont.) Feb. 1951. 99.9 F315

66702 ROMERO ROBLES, L. Costos, factor determinante en la industria maderera. *Conv. Nac. de Prod. de Maderas de Pino. Mem.* 4:70-71. 1950. 99.9 C7622

66703 STAERK. Wie hoch sind die lohngebundenen unkosten? *Holz-Zentbl.* 77:332. Mar. 6, 1951. 99.81 H742

Germany.

66704 STOEHR, H. A. Growth and yields from a fifty-year-old white pine [*Pinus strobus*] plantation. *Mich. Agr. Expt. Sta. Q. B.* 33:426-436. May 1951. 100 M58S

66705 STURZO, L. Le problème capital du Midi. (In Italian.) *Italia Forest. e Mont.* 6:4-5. Jan./Feb. 1951. 99.8 It12

French summary.

66706 TRIFONE, R. La caisse pour le Midi et le problème forestier. (In Italian.) *Italia Forest. e Mont.* 6: 1-3. Jan./Feb. 1951. 99.8 It12

French summary.

66707 VAZEILLES, M. Expertises en Corrèze. *Rev. Forest. Franç.* 7/8:501-504. July/Aug. 1951. 99.8 R329

Establishing power lines in the forest.

66708 WARE, G. G. Bankers' blind spots in forestry. *Unit* 35:16-21. 1951. 99.9 Un34

66709 WORTHAM, R. W., JR. The facts of life. *Unit* 35:5-9. 1951. 99.9 Un34

Forest management.

66710 ZLATOGORSKIĬ, N. V. Ways of lowering the cost of tractor work at the forest conservation stations. (In Russian.) *Les i Step' 2*(10):60-63. Oct. 1950. 99.8 L565

Farm Woodlands

66711 CROKER, T. C., JR. Tree crop box score; it answers grower's questions. *Ala. Lumberman* 3(5):18-19. May 1951. 99.81 AL1

66712 DANNECKER, K. Wald alter bauerngeschlechter. *Württemberg. Landesstelle f. Natenschutz. u. Landschaftspflege. Veröffentl.* 19:57-63. 1950. 410.9 W96

66713 D'EASUM, C. G. Sell some and save some. *Idaho Farmer* 69:475. June 21, 1951. 6 G282

Farm woodland management.

66714 EDMONDSON, W. O. Trees for protection and profit. *Wyo. Agr. Col. Ext. C.* 116, 39 p. Apr. 1951. 275.29 W99C

66715 FOREST FARMER. The Forest Farmer manual, Ed. 2. *Forest Farmer* 10(5), 168 p. Feb. 1951. 99.8 F7692

66716 LOGGINOV, B. I. Shelterbelts as a measure against drought in Ukrainian SSR. (In Russian.) *Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklim. Usloviia Step' Ukrain. SSR i Puti Ikh Uluchsheniia; Trudy Konf.* 1:58-74. 1950. 20 Uk73

66717 MAXWELL, J. P. Trees lift the fortunes of a Parish farm. *Soil Conserv.* 16:281-282. July 1951.

1.6 So3S

Bienville Parish, Louisiana.

66718 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. The production of timber on the farm. North. Ireland. Min. Agr. L. 62,7 p. Apr.1951. 10 N81

66719 RAUCHENBERGER, K. Die förderung des bauernwaldes—heute ein bestandteil der agrarpolitik. *Landwirt. Jahrb. f. Bayern* 28(spec.no.):76-88. Apr.1951. 18 L24

66720 SCHOLZ, H. F. Multiple-use potentialities of the farm woodlot. *Ames Forester* 1951:45-52. 99.9 Io94

66721 VINE, R. An umbrella for the face of the earth. *New Zeal. Farmer* 72(8):6-7. June 7,1951. 23 N484

A tree-planting program on a farm in New Zealand.

66722 WESTERMARCK, N. Studies of the forest income on seven family farms in middle Sweden. (In Swedish.) *Lantbrukstidskr.* 90:70-77. 1951. 104 Sw3
English summary.

Mensuration

66723 ARRIGONI, A. L'estimation des taillis et des châtaigneraies lors des remaniements parcellaires. *Schweiz. Z. f. Forstw.* 102:201-215. Apr.1951. 99.8 J82

66724 FAIRBAIRNS, A. W. Measurement of round logs. *Empire Forestry Rev.* 30:166-171. June 1951. 99.8 Em72

66725 GRIFFITH, A. L. East African enumerations. The Rondo Plateau (S. Tanganyika). *Empire Forestry Rev.* 30:179-182. June 1951. 99.8 Em72

66726 PATRONE, G. Calculation of the percentage volume increment in open high forest. (In Italian.) *Italia Forest. e Mont.* 6:40-41. Jan./Feb.1951. 99.8 It12

66727 RICKER, V., and BUSCHENA, A. A preliminary investigation of the conformity of Girard form class volume tables to various species in Maine. *Maine. U. Forestry Dept. Tech. Note* 1,1 p. Mar.1950. 99.9 M284

66728 SOEST, J. VAN. Fundamental problems in experimental plots. 2. Mensuration. (In Dutch.) *Nederland. Boschbouw-Tijdschr.* 23:161-168. June 1951. 99.8 N28

German summary.

66729 WEATHERBY, H. New procedures designed to speed up forest inventories in B. C. *Brit. Columbia Lumberman* 35(6):137. June 1951. 99.81 B77

66730 WILHELMI, T. Der stand der forschung über die schaffform tropischer und subtropischer holzarten. *Z. f. Weltforstwirtschaft.* 14:30-35. Ref. June 1951. 99.8 Z35
English summary.

66731 ZIMMERLE, H. Die stammform der weisstanne im hochwald und plenterwald und diejenige der fichte zum vergleich. *Allg. Forst- u. Jagdztg.* 122:107-118. Ref. Apr.1951. 99.8 AL3

Aerial Surveying and Photography

66732 MOESSNER, K. E., BRUNSON, D. F., and JENSEN, C. E. Aerial volume tables for hardwood stands in the Central States. *U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper* 122,15 p. May 1951. 1.9622 C3T222

Silviculture

66733 BURGER, H. Ertragskundliche grundlagen zur frage der massen- und der qualitätsholzerzeugung. *Schweiz. Z. f. Forstw.* 102:185-201. Apr.1951. 99.8 J82

66734 DANNECKER, K. Zeitbegriffe als hemmungen im waldaufbau. *Allg. Forstztg.* 62:57-60. Apr.1951. 99.8 AL53

66735 FISCHER, F. Die jugendentwicklung von lärchen verschiedener herkunft auf verschiedenen standorten. *Schweiz. Anst. f. das Forstl. Versw. Mitt.* 26:469-497. Ref. 1950. 99.9 Sch92

66736 HUNTER, N. New kind of green gold. *Sci. News Let.* 60:10-11. July 7,1951. 470 Sci24

U. S. Forest Service, Institute of Forest Genetics.

66737 JABLOKOW, A. S. Die Mitschurinsche lehre stellt die grundlage der sowj. forstwirtschaft dar; zwei welten und zwei ideologien in der biologie. *Forstwirtschaft.* 5:4-13. Jan.15,1951. 99.8 F7793

66738 KABZEMS, A. Some principles of forest site-type classification. *Forestry Chron.* 27:157-163. June 1951. 99.8 F7623

66739 KREPS, E. Experiment and study. *Fur Trade J. Canada* 28(9):28-30. May 1951. 410 F965
On trees of Canada.

66740 LANGNER-SCHMALENBECK, W. Die frage der anerkennung der zur nachzucht geeigneten bestände. *Allg. Forstz.* 6:148-149. Mar.28,1951. 99.8 AL52

66741 OPSAHL, W. Barskogen, pleie og naturlig forynging. Omarbeidd til bruk ved skogskolene ved J. Bretteville-Jensen [Coniferous forest, care and natural rejuvenation. Revised for use in forest schools by J. Bretteville-Jensen]. Ed. 3. Oslo, Aschehoug, 1950. 237 p. 99.35 Op6

66742 SURBER, E. Untersuchungen an mittelwald-fichten im nordostschweizerischen laubmischwaldgebiet. *Schweiz. Anst. f. das Forstl. Versw. Mitt.* 26:635-681. Ref. 1950. 99.9 Sch92

66743 WECK, Naturgemässer wirtschaftswald und holzwirtschaft. *Allg. Forstz.* 6:259-261. June 13,1951. 99.8 AL52

66744 WITTICH, Leistungssteigerung unserer wälder; neuere erkenntnisse der forstlichen bodenkunde. *Unser Wald* 3(10):4-7. Oct.1950. 99.8 Un7

Silvicultural Practices

66745 HILF, H. H. Arbeitstechnik und arbeitsgeräte im wald. III. *Tech. f. Bauern u. Gärt. Ausg. A* 3:175-177. Mar.25,1951. 58.8 T223

66746 LONGWOOD, F. R. Ingrowth following cutting in northern hardwoods. *U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note* 352,1 p. Apr.1951. 1.9 F7625T

66747 MÜLLER, H. Die erziehung von astreinem holz. *Grüne* 79:390-396. (To be cont.) Apr.6,1951. 17 Sch9

Forest trees.

66748 PANEGROSSI, T. Coupes ordinaires et extraordinaires. (In Italian.) *Italia Forest. e Mont.* 6:37-39. Jan./Feb.1951. 99.8 It12

French summary.

66749 RANDET, P. L'aménagement des forêts. *Forêts de France* 29:7. (Cont.) Mar.1951. 99.9 F315

66750 ROE, E. I. Early release from aspen improves yield of pine plantation. *U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note* 353,1 p. Apr.1951. 1.9 F7625T

66751 SCHMITZ, Zum pappelmartenetikett. *Allg. Forstz.* 6:144-145. Mar.28,1951. 99.8 AL52

66752 STENTZEL, E. Neue forstliche kulturgeräte. *Forstarchiv* 22:60-63. (To be cont.) Mar.30,1951. 99.8 F7723

66753 TIREN, L. Om hyggesgranen och dess betydelse för de norrländska granskogshyggenas förnyring. On clearing-spruce and its significance to the reforestation of spruce forest clearings in Northern Sweden. *Sweden. Stat. Skogsforskinst. Meddel.* 39(8),28 p. 1950/51. 99.9 Sw32

English summary.

66754 WEATHERBY, H. Selective cutting in yellow pine. *Brit. Columbia Lumberman* 35(6):39-40,58. June 1951. 99.81 B77

66755 WILSON, R. F. Extraction of thinnings. *Empire Forestry Rev.* 30:156-157. June 1951. 99.8 Em72

Seeding and Planting

66756 ARBOLÍ HIDALGO, J. M. Nuevo sistema de plantación con envases C. M. L. *España Agr.* 1950:6-7. Oct.1950. 335.8 Es6

For tree planting.

66757 AUN, H. Neue aushebevorrichtung für schlepperpflüge. *Tech. f. Bauern u. Gärt. Ausg. A* 3:174-175. Mar.25,1951. 58.8 T223

In forestry.

66758 BASTOS, A. DE. M. Good business to plant pine trees. (In Portuguese.) *Selec. Agr.* 6(61):27-29. May 1951. 9.2 Se4

66759 BELTRAM, V. La rationalisation du reboisement. (In Croatian.) *Gozdarski Vest.* 8:275-280. 1950. 99.8 G74

French summary.

66760 BUCHHOLZ, E. Einiges über die scheljugaweide; befestigung und aufforstung von flugsandflächen. *Forst u. Holz* 6:67. Mar.1,1951. 99.8 F7724

66761 DORN, H. Jungwuchspflege und läuterungen. *Forstl. Mitt.* 4:22-23. Feb.5,1951. 99.8 F7725

66762 FLORES CALDERON, E. Propagación por estacas y cuidado de las plantaciones. *B. Forest.* 3(29):1-2, 4-8,20. Mar.1951. 99.8 B633

Chihuahua.

- 66763 GÜNTHER, H. Bedeutung und anzucht schnellwüchsiger holzarten. Forstwirt., Holzwirt. 5:47-56. Ref. Feb.15,1951. 99.8 F7793
Germany.
- 66764 HILF, H. H. Sur la culture du peuplier. Assoc. Tech. de l'Indus. Papetière. B. 5:72-77. Mar.1951. 302.9 As5
- 66765 HUNT, F. M. Effects of flooded soil on growth of pine seedlings. Plant Physiol. 26:363-368. Apr.1951. 450 P692
- 66766 KRAHL-URBAN, J. Die bedeckungstiefe bei eicheln, roteicheln und bucheln. Forstarchiv 22:57-58. Mar.30,1951. 99.8 F7723
- 66767 LAZAREVICH, I. I., and KRUTIKOV, L. P. Aerial sowing [of trees and shrubs] on the sands in Middle Asia. (In Russian.) Lesn. Khoz. 3(10):34-43. Oct.1950. 99.8 L5622
- 66768 LENTZEN, M. Der Walbecker hohlbohrer. Forstarchiv 22:58-59. Mar.30,1951. 99.8 F7723
- 66769 MERZ, R. Comparative survivals and costs of plantations by different methods of ground preparation and planting. U. S. Forest Serv. Cent. States Forest Expt. Sta. Note 64,2 p. May 1,1951. 1.9 F76252S
- 66770 PARKER, S. E. Forest planting stock for 1951. Conn. Woodlands 16:13. Mar.1951. 99.8 C76
- 66771 PHILIPPIS, A. DE. Reproduction and regeneration, two terms often confused. (In Italian.) Italia Forest. e Mont. 6:41. Jan./Feb.1951. 99.8 It12
- 66772 PLACE, I. C. M. A tree-breeding program for Canada. Forestry Chron. 27:164-170. June 1951. 99.8 F7623
- 66773 POURTET, J. La mécanisation des travaux forestiers. Com. des Forêts. B. 14:1292-1295. 1950. 99.9 C732
In tree planting.
- 66774 POURTET, J. Matériels pour faciliter la récolte des graines et l'élague. Rev. Forest. Franç. 1951:451-452. June 1951. 99.8 R329
- 66775 ROSAY, J. Plantation d'Abies grandis. Rev. Forest. Franç. 1951:401-403. June 1951. 99.8 R329
- 66776 SCHMITZ-LENDERS, B. Anweisung für die ausführung von pappel-anpflanzungen innerhalb und ausserhalb des waldes sowie für die handhabung der pappel-stammpflege. Forst u. Holz 6:65-66. Mar.1,1951. 99.8 F7724
- 66777 SCHÖNBACH, J. Produktionssteigerung in der forstwirtschaft durch pflanzenzüchtung. Forstwirt., Holzwirt. 5:13-15. Jan.15,1951. 99.8 F7793
- 66778 STARCHENKO, I. I. To eliminate shortcomings in collecting and storing of forest seeds. (In Russian.) Les i Step' 2(10):108-109. Oct.1950. 99.8 L565
- 66779 STOECKELER, J. H. Survival experiments show Norway pine, white spruce transplant stock values. 2. Tree Tips 1951:4. Mar.1951. 99.8 T715
Pinus resinosa and Picea glauca.
- 66780 ŠUŠTERŠIĆ, M. Sur la culture des jeunes peuplements. (In Croatian.) Gozdarski Vest. 8:257-264. 1950. 99.8 G74
French summary.
- 66781 TEXAS. FOREST SERV. Reforestation methods with emphasis on the planting of pine tree seedlings. Tex. Forest Serv. C. 25,12 p. Nov.1950. 99.9 T31C
- 66782 VEEN, B. Propagation of Robinia pseudoacacia. (In Dutch.) Nederland. Boschbouw-Tijdschr. 23:169-174. June 1951. 99.8 N28
English summary.
- 66783 VINCIGUERRA, G. Cones maturing annually on the domestic pines [Pinus pinea] of Acquaviva (Teramo). (In Italian.) Italia Forest. e Mont. 6:42. Jan./Feb. 1951. 99.8 It12
- 66784 WRABER, M. Gojenje gozdov v luči genetike. [La sylviculture considérée sous le point de vue de la génétique.] Gozdarski Inst. Slovenije. Strokovna in Znanstvena 2,67 p. Ref. 1950. 99.9 L76S
French summary.
- 66785 YOCOM, H. A. How late can pines be planted in north Alabama. Forest Farmer 10(6):15. Mar.1951. 99.8 F7692
- 66788 CHERREY. Les travaux des forestiers en matière de glaciologie en particulier à Sarennes. Rev. Forest. Franç. 7/8:507-509. July/Aug.1951. 99.8 R329
Protection from avalanches.
- 66789 KRIECHBAUM. Wald in gefahr, land in gefahr, mensch in gefahr. Gart.-Z. illus. Flora 74:35. Mar. 1951. 80 G1991
Avalanches.
- 66790 LAMPRECHT, H. Ueber den einfluss von umweltsfaktoren auf die frostrisbildung bei stiel- und traubeneiche im nordostschweizerischen mittelland. Schweiz. Anst. f. das Forstl. Versw. Mitt. 26:359-418. Ref. 1950. 99.9 Sch92
- 66791 MÜLLER-USING. Das rotwildproblem. Allg. Forstz. 6:274-277. Ref. June 27,1951. 99.8 AL52
- 66792 SCHINDLER, U. Die bekämpfung der mäuse in den nordwestdeutschen forstrevieren anlässlich einer massenvermehrung 1949/50. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70:139-140. Feb.1951. 410.9 G31M
- 66793 STOECKELER, J. H., and HEINSELMAN, M. L. Deer damage may be reduced by use of repellents. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 355,1 p. Apr.1951. 1.9 F7625
- 66794 TILLY, H. DU. Lapins de Garenne et reboisement. Acad. d'Agr. de France. Compt. Rend. 37:303. May 9/16,1951. 14 P215Bc
- 66795 WALDBURG, GRAF. Wald über jagd? Württemb. Wchnbl. f. Landwirt. 118:505. June 23,1951. 18 W96

Fire

- 66796 BAUMGARTNER, A. Waldbrände in Bayern im jahre 1950. Allg. Forstz. 6:142-144. Mar.28,1951. 99.8 AL52
- 66797 KELLY, A. W., JR. Forest fires set new low. W. Va. Conserv. 15(4):12,30. July 1951. 279.8 W524
- 66798 LAURENTIAN FOREST PROTECTIVE ASSOCIATION. Thirty-fourth annual report, 1950. Quebec, 1950. 34 p. 99.9 L37
Chiefly fire protection.
- 66799 MCCOY, S. B. The forest protection shop keeps 'em rolling. Wis. Conserv. B. 16(6):18-21. June 1951. 279.8 W752
Fire fighting equipment.
- 66800 OTTAWA RIVER FOREST PROTECTIVE ASSOCIATION. Thirty-seventh annual report, 1950. Ottawa,1951. 31 p. 99.9 Ot8
Chiefly fire protection.
- 66801 PERRY, E. L. Fighting forest fires from the sky newest answer to an old problem. N. Mex. Stockman 16(6):17-18. June 1951. 49 N462
- 66802 STEWART, D. W. R. Some aspects of fire control in western Australia. Empire Forestry Rev. 30:172-178. June 1951. 99.8 Em72
- 66803 TASSEAU. Un crédit de 250 millions pour la défense des forêts contre le feu. Bois et Scieries 50:199-200. Mar.1,1951. 99.81 B632
- 66804 U. S. FOREST SERV. Expenditures for protection of State and private lands against forest fires during calendar year 1950. Washington,1951? 1 p. 1.962 C4Ex7
- 66805 URANGA L., A. Servicio de prevención y combate de incendios. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:104. 1950. 99.9 C7622
- 66806 WECK, J. Waldbrand, seine vorbeugung und bekämpfung. Stuttgart,Kohlhammer,1950. 52 p. (Brand-schutz-Fachbuchreihe, 19.) 99.51 W41
- 66807 WHITE, G. O. The burning question; a review of last spring's forest fires in Missouri. Mo. Conserv. 12(6):4-5. June 1951. 279.8 M69

Forest Influences

- 66808 DEGENER, O. Our forests and our water supply; what we can do to increase them. Hawaii Farm & Home 14(6):36-37. June 1951. 25 H3191
Forest management in Hawaii.
- 66809 KHARITONOV, G. A. The forest as water-regulating factor in the combat with drought. (In Russian.) Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklim. Uslovia Step'i Ukrain. SSR i Puti Ikh Uluchsheniia; Trudy Konf. 1:75-92. Ref. 1950. 20 Uk73
- 66810 KIRWALD, E. Wildbachgebietsbetreuung und naturnaher wildbachausbau. Allg. Forstz. 6:236-240. May 30,1951. 99.8 AL52

Forest Protection and Damage

- 66786 AICHINGER, E. Die vegetationskunde im dienste der wildbach- und lawinenverhütung. Allg. Forstztg. 62:89-92. June 1951. 99.8 AL53
Austria.
- 66787 BARRENA, R. Incendios, plagas, pastoreo, explotaciónes excesivas. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:105. 1950. 99.9 C7622

Miscellaneous Forest Uses

66811 AMERICAN Planning and Civic annual, 1950, edited by H. James. Washington, 1950. 192 p. 280.9 Am322

Issued by American Planning and Civic Association. Includes Can we save our wilderness areas in national forests? by L. F. Watts, p. 4-9.

66812 GABRIELSON, I. N. Wildlife and multiple-use forestry. Ames Forester 1951:6-16. 99.9 Io94

66813 JOHNSON, F. M. Coordinated efforts put into farm game-forestry program. W. Va. Conserv. 15(4):4, 7-8, 32. July 1951. 279.8 W524

66814 SIEKER, J. Recreation and multiple-use. Ames Forester 1951:17-27. 99.9 Io94

66815 WELCH, F. When you are in the woods. Syracuse, State U New York, Col. Forestry, Syracuse U., 1950. 47 p. 99.51 W44

Includes prevention of fires.

FOREST INDUSTRIES

66816 ALCARAZ, J. R. Temas para investigaciones técnicas y científicas que es necesario realizar con urgencia para cimentar e impulsar sobre bases económicas estables, las industrias del estado. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:39-40. 1950. 99.9 C7622
Chiefly forest industries.

66817 BROUSSON. Prix moyen du metre cube de bois d'oeuvre sur pied (moyenne générale en France). France. Min. de l'Agr. Rev. Inform. Econ. et Statis. 58: 125-129. May 1951. 281.8 F84

66818 DESFARGES, P. Les problèmes actuels du bois et la taxe de 2%. Bois et Scieries 57:335,337. Apr. 12, 1951. 99.81 B632

66819 DUBRET, R. Tout concourt à rendre le bois cher. Bois et Scieries 57:332-333,335. Apr. 12, 1951. 99.81 B632

66820 DUBRET, R. A vos poches. Bois et Scieries 57:355,357,359,361,379-381. Apr. 12-19, 1951. 99.81 B632
Economic situation of lumber industry in France.

66821 EDGETT, G. C. Developing lumber markets. Brit. Columbia Lumberman 35(6):64,66,68. June 1951. 99.81 B77

66822 HAAKH, T. Wohin treiben wir? Holz-Zentbl. 77:377-378. Mar. 13, 1951. 99.81 H742

66823 HEINRICHS, W. Einschneidender strukturalter am weltholzmarkt. Holz-Zentbl. 77:356-357,379. (Cont.) Mar. 10-13, 1951. 99.81 H742

66824 HEINRICHS, W. Was geht in Österreich vor? Holz-Zentbl. 77:414. Mar. 20, 1951. 99.81 H742

66825 LATHAM, B. A historical survey of the timber trade—6. The trade today. Wood [London] 16:226-228. June 1951. 99.82 W855

66826 MARSHALL, E. D. Wood-using industries eye forest products research. Tex. Forest News 30(2):3-5. Mar./Apr. 1951. 99.8 T31

66827 MOLL, F. Amerikanische holzwirtschaft. Holz 5:64-65. Mar. 1951. 99.82 H743

66828 MUNICH. INSTITUT FÜR WIRTSCHAFTSFORSCHUNG. Holzknappheit auf dem weltmarkt auch im jahre 1951. Holz 5:25-26. Feb. 1951. 99.82 H743

66829 MUNICH. INSTITUT FÜR WIRTSCHAFTSFORSCHUNG. Die neuen grenzpreise auf dem westdeutschen holzmarkt. Norddeut. Holzwirt. 5(10):4-5. Mar. 8, 1951. 99.82 N75

66830 PLUM, G. Die kapitalverluste der holzwirtschaft. Holz-Zentbl. 77:398. Mar. 17, 1951. 99.81 H742
Germany.

66831 ROE, R. D. Imports of Canadian lumber by Great Britain greatly reduced. Foreign Trade 9:1141-1144. June 30, 1951. 286.8 C162

66832 WISTH, E. Lumber marketing after the war. (In Norwegian.) Norsk Skogindus. 5:99-108. Apr. 1951. 99.82 N81

Includes discussion.

Lumbering

66833 BUCHHOLZ, E. Der Wolga-Don-kanal, seine bedeutung für den osteuropäischen holzverkehr. Holz-Zentbl. 77:336. Mar. 6, 1951. 99.81 H742

66834 BURGOS L., J. A. Informe del viaje a los Rios Tambo, Alto Ucayali y Urubamba. Mensajero Agr. 53/54: 30-32. (To be cont.) 1950. 9.8 M52

Installment discusses the lumber industry.

66835 DEMMON, E. L. Reducing wood waste in the Lake States. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 354, 2 p. Apr. 1951. 1.9 F7625T

66836 JEFFERIES, R. Grading of hardwoods. Empire Forestry Rev. 30:125-130. June 1951. 99.8 Em72

66837 RAZOUS, P. Les débouchés des exploitations forestières francaises. Bois et Scieries 57:145,166. (Cont.) Feb. 15-22, 1951. 99.81 B632

Lumbering Equipment

66839 BAAK, W. Wettbewerbe um die beste säge, aber kein wettsägen. Forstwirt., Holzwirt. 5:60-62. Feb. 15, 1951. 99.8 F7793

66839 BADRE, L. L'équipement forestier. Rev. du Bois 6(6):11-14. June 1951. 99.82 R32

66840 BIZALION, R. Antagonismes entre téléphones et lignes de transport ou de distribution d'énergie électrique. Rev. Forest. Franç. 7/8:491-497. July/Aug. 1951. 99.8 R329

66841 BOOTH, H. E. A circular saw which will not kick back. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 4(spec.no.):11. Nov. 1950. 99.9 N472T

66842 DOUDA, V. The use of one-man chain saws for the cutting of wood. (In Czech.) Lesn. Práce 29:290-318. 1950. 99.8 L56

English summary.

66843 LENZ, A. Technik in der forstwirtschaft. Landwirtschaft, May 1951:157-158. (Cont.) 19 L235
Logging equipment.

66844 PANTELEEV, V. V. To restore the Girvas log-floating chute. (In Russian.) Lesn. Promysh. 10(11): 31. Nov. 1950. 99.82 L56

Logging

66845 ANKER-RASCH, O. The transport problem in forestry. (In Norwegian.) Norsk Skogindus. 5:12-17. Jan. 1951. 99.82 N81

English summary.

66846 AUDETTE, S. L'organisation des bûcherons du Québec. Terre de Chez Nous 23(13):24,21. May 23, 1951. 7 T27

66847 BERG, E. Transportation problems in forestry. (In Norwegian.) Norsk Skogindus. 5:80,82. Mar. 1951. 99.82 N81

66848 EVERS. Das stücklohnproblem in der holzhauerei. Allg. Forst- u. Jagdztg. 122:118-128. (To be cont.) Apr. 1951. 99.8 AL3

66849 FISHER, J. N. I am a logger. Wls. Conserv. B. 16(6):12-13. June 1951. 279.8 W752

66850 FRÖLICH, M. Die flösserei in Schweden und Finnland. Schweiz. Z. f. Forstw. 102:257-268. May/June 1951. 99.8 J82

66851 KILCHENMANN, H. R. Bisherige bestrebungen zur verbesserung der grundlagen für die entlohnung der holzhauer. Wald u. Holz 32:129-134. (Concl.) Mar. 1951. 99.8 W14

66852 KRIEGER, H. Unfälle bei langholztransporten. Holz-Zentbl. 77:332-333. Mar. 6, 1951. 99.81 H742

66853 TUFTS, D., and METY, B. Truck transportation of logs in southeast Arkansas. South. Lumberman 183(2286):49-51. July 1, 1951. 99.81 So82

66854 WIBSTAD, K. Snowpacked tractor road. (In Norwegian.) (Excerpts.) Norsk Skogindus. 5:18-19. Jan. 1951. 99.82 N81

Sawmills

66855 CORNABY, F. H. Utah Young Farmer chapter purchases sawmill. Agr. Educ. Mag. 24:47. Aug. 1951. 275.8 Ag8

66856 DARGAN, E. E. The use of gangsaws in the manufacture of Southern pine lumber. South. Lumberman 183(2287):76-78,80. July 15, 1951. 99.81 So82

66857 DARWIN, W. N., and THURMOND, A. K. Good management: key to successful sawmilling. 5. South. Lumberman 183(2287):42. (Concl.) July 15, 1951. 99.81 So82

66858 HORDERN, R. H. Economic conversion. Wood [London] 16:234-236. June 1951. 99.82 W855

66859 HYLER, J. E. Cutoff saws. South Lumberman 183(2287):43-44. July 15, 1951. 99.81 So82

66860 KENNEDY, W. B. Unsuspected causes of saw trouble. South. Lumberman 183(2287):60. July 15, 1951. 99.81 So82

66861 LANDTHALER, G. Zahnform und blattstärke bei gattersägen. Holz-Zentbl. 77:399. Mar. 17, 1951. 99.81 H742

66862 MCBRIDE, C. F. Lumber recovery from second-growth western hemlock. Brit. Columbia Lumberman 35(6):63,140,142. June 1951. 99.81 B77

66863 PILLER, J. Kritische betrachtung über die wirtschaftlichkeit von sägeatmern. Holz 5:31-33,56-57. (Cont.) Feb.-Mar. 1951. 99.82 H743

66864 THURMOND, A. K. Good management key to successful sawmilling. *Forest Farmer* 10(6):7. Mar.1951. 99.8 F7692

66865 WIK, H. Norra Sveriges sågverksindustri från 1800-talets mitt fram till 1937 [North Sweden's sawmill industry from around 1800 to 1937]. Stockholm, Kartografiska Institutet, 1950. 328 p. (Geographica; Skrifter från Uppsala Universitets Geografiska Institution, Nr. 21) 99.76 W64

Processing and Woodworking

66866 BOOTH, H. E., and HUMPHREYS, F. R. Notes on ski making. N. S. Wales. Forestry Comm. Div. Wood Technol. Tech. Notes 4(spec.no.):14-18. (To be cont.) Nov.1950. 99.9 N472T

66867 DICKINS, D. Craftsmen in wood. *Wood Working Digest* 53:117-119. July 1951. 99.82 W87

66868 EBERT, F. A. Das veredeln von holz-oberflächen mittels druckverfahren. *Holz* 5:34-35. Feb. 1951. 99.82 H743

66869 GOTTSHALL, F. H. Making useful things of wood. Milwaukee, Bruce, 1950. 192 p. 99.77 G71
Wood-using industries.

66870 HILL, G. M. Industrial orientation and on-the-job training program for technical employees. *Brit. Columbia Lumberman* 35(6):49-50,155-156,160. June 1951. 99.81 B77

Woodworking industries.

66871 HYLER, J. E. Woodworking knife and cutter application. XVII. *South. Lumberman* 183(2287):62-64,66. July 15, 1951. 99.81 So82

66872 KEYLWERTH, R. Sonderfragen der holzverarbeitung. I-II. *Holz-Zentbl.* 77:345,367. Mar.8-10, 1951. 99.8 H742

Electronics and infra-red rays in wood working industry.

66873 LARSSON, K., ed. Träindustrins handbok, snickeriarbete [The hand book of the wood industry; carpentry]. Malmö, 1950. 1124 p. (Tekno's Handböcker Publikation, 12) 296 L322

66874 MOLL, F. Dämpfen von holz. *Holz* 5:58-59. Mar.1951. 99.82 H743

66875 STEENHOF, H. Hout: handleiding voor handenarbeid [Wood: guide for woodworking]. 's-Gravenhage, Mouton, 1950? 2 v. 99.77 St3

66876 THOMPSON, A. G. New process for wood bending has wide range of applications. *Canad. Woodworker* 51(3):25,68. Mar.1951. 99.82 C162

Seasoning, Conditioning and Finishing

66877 BRADMAN, W. A. G. Wood finishing. London, Foyle, 1950. 94 p. 306 B72

66878 KARLSEN, O. Artificial drying of wood at temperatures of over 100° centigrade. (In Norwegian.) *Norsk Skogindustri*. 5:138-140. May 1951. 99.82 N81

66879 LEYVA ALVARADO, M. Prevención de veteos o rajaduras superficiales y en los extremos de madera de pino aserrada. *Conv. Nac. de Prod. de Maderas de Pino*. Mem. 4:94-95. 1950. 99.9 C7622

66880 MOTTET, A. L., and RING, W. C. The comparison of electrical meter tests with oven tests as a measure of moisture content in lumber. *Wash. U. Forest Club Q.* 24(2):15,18-21. Winter 1950/51. 99.9 W275Q

66881 SCHAMBACH, H. Farben und lacke für den holzanstrich. *Holz-Zentbl.* 77:333-334. Mar.6, 1951. 99.81 H742

66882 SMITH, W. J. Changes in circumferential dimensions of Douglas fir poles during seasoning. *Brit. Columbia Lumberman* 35(6):44-46. June 1951. 99.81 B77

66883 TIEMANN, H. D. The kiln-drying of lumber. 31. *South Lumberman* 183(2287):56,58. July 15, 1951. 99.81 So82

66884 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Chemical brown stain in pine. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 254, rev., 3 p. Apr.1951. 1.9 F761

Appears during air and kiln drying.

Wood Preservation and Damage

66885 BARMACK, B. J. "Dentistry" saves wood poles, stops pole-top heart rot. *Elect. World* 136(3):112-113. July 16, 1951. 335.8 EL2

66886 BROUGHALL, F. G. Creosote oil for timber preservation. *Chem. Trade J. & Chem. Engin.* 128:1493-1494. June 29, 1951. 382 C422

66887 CARR, D. R. Timber preservation on the farm. *Massey Agr. Col. Sheepfarming Annu.* 3:166-175. Nov. 1950. 45.9 M38S
Includes discussion.

66888 CLYMER, C. L. Treated fence posts. *Okla. Agr. Col. Ext. C.* 541,14 p. n.d. 275.29 Ok41C

66889 DOMINGUEZ, F. Preservación de las maderas. *Conv. Nac. de Prod. de Maderas de Pino*. Mem. 4:23-26. 1950. 99.9 C7622

66890 HOPKINS, W. C. Cottonwood and willow posts difficult to treat. *Miss. Farm Res. [Miss. Sta.]* 14(6):8. June 1951. 100 M69Mi

66891 JENTZSCH, H. Besuch beim holzimprägnierwerk buchholz der Rütgerswerke AG. *Norddeut. Holzwirt.* 5(10):5-7. Mar.8, 1951. 99.82 N75

66892 FITZGERALD, O. A. More posts for the penta barrel. *Wash. Farmer* 76:448. June 21, 1951. 6 R151

66893 KOCH, C. More posts for the penta barrel. *Utah Farmer* 71:543,560. July 5, 1951. 6 D45
Preservation with pentachlorophenol.

66894 KONIG, E. Die fussbodendielen verfaulten. *Norddeut. Holzwirt.* 5(12):7-8. Mar.22, 1951. 99.82 N75

66895 MAISENHOLDER, L. C., and MCKNIGHT, J. S. Fences for bottomland farms in the Delta. *Miss. Farm Res. [Miss. Sta.]* 14(5):3-5. May 1951. 100 M69Mi
Post treatment and cost of fence building.

66896 MANN, R. H. Overhead bridge on N. Y., N. H. and H. floored with creosoted plank. *Wood Preserv. News* 29:40-41,45. Mar.1951. 300.8 W853

66897 RICHARDSON, N. A. Wood preservation in the U. S. A. (Excerpt.) *Chem. Trade J. & Chem. Engin.* 129(3344):19-20. July 6, 1951. 382 C422

66898 SHIPLEY, G. B. The wood preservers' contribution to conservation: a study based on the 41-year period 1909-1949. *Wood Preserv. News* 29:35-39,43. Mar.1951. 300.8 W853

Also in: *South. Lumberman* 183(2286):47-48; July 1, 1950; 99.81 So82.

66899 STACEY, W. A. Covered bridge restored with treated timber. *Wood Preserv. News* 1951:51-52,58. Apr.1951. 300.8 W853

66900 TINTO, J. C. Conservación de maderas. *Mensajero Agr.* 53/54:33-34. 1950. 9.8 M52

66901 WALTERS, C. S. Experimental treating plant built at Dixon Springs. *Ill. Agr. Expt. Sta. Dept. Forestry. Forestry Note* 23,5 p. Mar.18, 1951. 99.9 IL62
Wood preservation.

66902 WALTERS, C. S., and KULP, D. A. Report on project 301-A. Preservative treatment of fence posts by cold-soaking in pentachlorophenol-fuel-oil solutions. *Ill. Agr. Expt. Sta. Dept. Forestry. Forestry Note* 20,4 p. Feb.13, 1951. 99.9 IL62

66903 WALTERS, C. S., and KULP, D. A. Report on project 301-C. Preservative treatment of fence posts with toxic oil solutions by cold-soaking, dipping, and brushing. *Ill. Agr. Expt. Sta. Dept. Forestry. Forestry Note* 21,3 p. Feb.13, 1951. 99.9 IL62

66904 WALTERS, C. S., KULP, D. A., and FOX, H. W. Treatment of hardwood fence posts by brushing with osmosar preservative. *Ill. Agr. Expt. Sta. Dept. Forestry. Forestry Note* 22,3 p. Feb.26, 1951. 99.9 IL62

FOREST PRODUCTS

66905 BEHM, H. W. Das holz unserer waldbäume im leben des menschen. II. *Unser Wald* 3(10):8-9. Oct.1950. 99.8 Un7

66906 DESCH, H. E. Changing trends in timber utilisation. *Wood [London]* 16:220-222. June 1951. 99.82 W855

66907 DUBRET, R. Remous autour du bois. *Bois et Scieries* 57:283,285-287. Mar.29, 1951. 99.81 B632

66908 FLATSCHER, H. Lagebericht. *Allg. Forstztg.* 62:97-99. June 1951. 99.8 AL53

66909 VAROSSIEAU, W. W. Forest products research and industry in the United States. I. *Wood [London]* 16:237-238. June 1951. 99.82 W855

66910 VORREITER, L. Holzbilanz und holzabfallwirtschaft. *Schweiz. Z. f. Forstw.* 102:275-298. May/June 1951. 99.8 J82

66911 WASHINGTON. (STATE) UNIVERSITY. INSTITUTE OF FOREST PRODUCTS. Available wood for industry in the State of Washington. *Wash. Inst. Forest Prod. Unused Wood Inventory. Sum. Rpt. 1*, map with text. Jan.1951. 99.9 W278U

66912 WORLEY, G. W. There's more than lumber in trees. *Iowa Conserv.* 10:118,120. Mar.15, 1951. 279 Io92

Various uses for forest products.

Lumber and Rough Products

- 66913 BROWN, R. D. Sitka spruce lumber; its adaptable characteristics make it desirable for many uses. Wood Prod. 56(6):29. June 1951. 99.82 W856
- 66914 COUDREAU, J. Traverses de chemins de fer en bois tropicaux. Bois et Forêts des Trop. 16:369-388. Fourth Q.1950. 99.8 B632
English summary.
- 66915 JENNINGS, L. G. Wooden railway sleepers. T. D. A. Q. Rev. 3:14. Apr.1951. 99.9 T48T
- 66916 SIMMONS, F. C. Harvesting fuelwood in stick form. Noeast. Wood Util. Council B. 35:21-34. June 1951. 99.9 N819
Includes discussion.
- 66917 TREVIÑO SALDAÑA, C. Abastecimiento de durmientes para los Ferrocarriles Nacionales [de México]. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4: 19-21. 1950. 99.9 C7622

Building Construction

- 66918 BOUTIERES, D. La construction navale française ou le bois tient sa place. Bois et Scieries 57:167-168. Feb.22,1951. 99.81 B632
- 66919 BUCHBERGER, H. Waldhütten aus reisholz. Allg. Forstz. 6:146-147. Mar.28,1951. 99.8 AL52
- 66920 CAMPREDON, J. Charpentes boulonnées. Bois 68(3):1,3. Feb.10/15,1951. 99.82 B632
- 66921 KALT, M., and others. Développer la construction en bois est un devoir pour les pays forestiers tropicaux. Bois et Forêts des Trop. 16:389-399. Fourth Q.1950. 99.8 B632
- J. P. Béguin, D. Louis, P. Pelloux, J. Macary, and H. N. Péronne, joint authors.
English summary.
- 66922 KUENZEL, J. G. Marine laminating; military marine wood usage. Brit. Columbia Lumberman 35(6): 47,164,166,168. June 1951. 99.81 B77
- 66923 RACEY, E. Quality wood window rapidly gaining approval. Gulf Coast Lumberman 39(7):24,50. July 1, 1951. 99.81 G95
- 66924 RUDEL, E. Bauschäden und baufehler. Landwirtschaft 1951:180-181. (Cont.) May 1951. 19 L235
Wood as a building material in Austria.
- 66925 WEINGARTEN, H. Die lage der bauzubehör-industrie zu beginn der bausaison 1951. Norddeut. Holz-wirt. 5(11):8. Mar.15,1951. 99.82 N75
Also in: Holz-Zentbl. 77:380; Mar. 13, 1951; 99.81 H742.

Veneers, Plywood and Adhesives

- 66926 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Gluing characteristics of slash pine (*Pinus caribaea*). Gluing characteristics of loblolly pine (*P. taeda*). Progress report. South Melbourne, 1950. 16 p. (Its Sub-projects V. G. 1-42 and V. G. 1-47) 99.79 Au7Gc
- 66927 BELLOTTI, L., and RIGATELLI, G. F. Principles and operation of heating by radio frequency. (In Italian). Indus. del Legno 2(12):27-28; 3(1):23-25. Dec. 1950-Jan.1951. 99.82 In2
- 66928 DICKINSON, T. A. Foamed-core plywood. Wood Working Digest 53:127-128,130,132-134. July 1951. 99.82 W87
- 66929 DIXON, H. F. Wood adhesives. 1-2. Canad. Woodworker 51(4):42,78,80,82;(5):63-64,72,73. Apr.-May 1951. 99.82 C162
- 66930 GALBER, H. The story of glue. Veneers & Plywood 45(7):22-24. (Concl.) July 1951. 99.82 V55
- 66931 HYLER, J. E. Scarf joining for large sheets now is standard. Veneers & Plywood 45(7):26-28. July 1951. 99.82 V55
- 66932 HYLER, J. E. Special veneer and plywood practices. South. Lumberman 183(2286):53-56. July 1, 1951. 99.81 So82
- 66933 KNIGHT, R. A. G., DOMAN, L. S., and NEW-ALL, R. J. Durability tests on plywood adhesives. Wood [London] 16:210-213. June 1951. 99.82 W855
- 66934 MOWERY, A. S., and NORTON, N. A. Types and farm uses of plywood. Pa. Agr. Expt. Sta. Prog. Rpt. 46,4 p. Mar.1951. 100 P381P
- 66935 PERRY, T. D. Banding cores, plywood tops. Canad. Woodworker 51(3):26-27,58. Mar.1951. 99.82 C162
- 66936 PERRY, T. D. Curves from flat plywood. Canad. Woodworker 51(5):44-46. May 1951. 99.82 C162
- 66937 PERRY, T. D. Matching veneers. Canad. Woodworker 51:35-36,58,76. Apr.1951. 99.82 C162

- 66938 PILLAI, A. K. M. The use of rubber latex in timber adhesives. Rubber India 3(2):5-8,28. Feb.1951. 305.8 R829

For use in gluing veneers.

- 66939 RIGATELLI, G. F. Principle and function of radio frequency heating. (In Italian.) Indus. del Legno 3:28,30. (Cont.) Feb.1951. 99.82 In2
In wood bonding.
- 66940 RUDKIN, A. W. The role of the hydroxyl group in the gluing of wood. Austral. J. Appl. Sci. 1:270-283. Ref. Sept.1950. 475 Au74
- 66941 SAKS, E. V. Remove bottlenecks to speed plywood production. Veneers & Plywood 45(7):14-15. July 1951. 99.82 V55
- 66942 U. S. DEPT. OF COMMERCE. Hardwood veneered doors, a recorded voluntary standard of the trade. Washington, 1951. 23 p. 157.88 C73

Furniture

- 66943 MCDUFF, I. H. From wagons to furniture. Wood Prod. 56(6):14-15. June 1951. 99.82 W856
Ozark mountain industry.

Containers

- 66944 GRIFFAULT, P. Étude des prix de revient dans l'emballage. Bois et Scieries 57:265-266,287-289, 313-314. (Cont.) Mar.22-Apr.5,1951. 99.81 B632
- 66945 GRIFFAULT, P. Etude sur les caquettes et emballages pour primeurs et leurs débouchés en Afrique du Nord. Bois et Scieries 57:168-169,217-218. Feb.22-Mar.8,1951. 99.81 B632
- 66946 O'BRIEN, W. H. Characteristics of southern pine ideal for container manufacture. Wooden Box & Crate 13(2):10-11. Mar./Apr.1951. 99.82 W857
- 66947 ROYCE, C. K. Military requirements for wood in packaging. Barrel & Box & Packages 56(6):6-7. June 1951. 99.82 B27
- 66948 TASSEAU. Les problèmes actuels de la caisserie et de l'emballage. Bois et Scieries 57:391. Apr.26,1951. 99.81 B632
- 66949 TASSEAU. La tonnellerie emballage bois va-t-elle disparaître? Bois et Scieries 57:167. Feb.22,1951. 99.81 B632
- 66950 WAGNER, J. B. Leveling and trussing barrels. Barrel & Box & Packages 56(6):8-9. June 1951. 99.82 B27

Pulp and Paper

- 66951 ANDERSON, O., JR. Preparation of ground-wood for groundwood specialties. Tappi 34(6):110A-111A. June 1951. 302.8 T162
- 66952 CAMPREDON, J. La crise du papier journal ne sera résolue que par un meilleur emploi de nos ressources en bois feuillus. Bois 68(6):1,3. Mar.25/30,1951. 99.82 B632
- 66953 DAVIS, C. Groundwood mill process control. Tappi 34(6):111A-112A. June 1951. 302.8 T162
- 66954 ERNST, A. J., SUTCLIFFE, H. M., and ARO-NOVSKY, S. I. Agricultural residue pulps—Crotalaria pulps. Tappi 34:247-251. June 1951. 302.8 T162
- 66955 ERNST, A. J., SUTCLIFFE, H. M., and ARO-NOVSKY, S. I. What about cotton stalk pulp? Paper Indus. 33:46-48. Apr.1951. 302.8 P1923
- 66956 FLORIDA. ENGINEERING AND INDUSTRIAL EXPERIMENT STATION. Research for the pulp and paper industry in the South. Gainesville, 1950. 20 p. 290.9 F66
- 66957 GUSTAFSSON, G. R. Litteraturöversikt beträffande metoder för bestämning av ligninhalt, uppslutningsgrad och blekbarhet hos sulfitmassa (A review of the literature on methods for determination of lignin content, cooking degree and bleachability of sulphite pulp). Teollisuuden Keskuslab. Tiedonantoja 83,72 p. 1951. 330.9 T26
English summary.
- 66958 JACQUES, H. F. Bleached groundwood. Tappi 34(6):112A-114A. June 1951. 302.8 T162
- 66959 JOGLEKAR, M. H., and DONOFRIO, C. P. Dissolving pulp from bamboo. Tappi 34:254-261. Ref. June 1951. 302.8 T162
- 66960 JOHNSON, M. Recent developments in hydraulic barking. Paper Trade J. 133(2):75-76. July 13,1951. 302.8 P196
Also in Paper Mill News 74(28):131-132. July 14,1951. 302.8 P195

66961 KLEM, G. G. Chemical debarking of standing trees. (In Norwegian.) Norsk Skogindus. 5:26-27. Jan. 1951. 99.82 N81

Discussion by H. Heiberg and G. G. Klem, p.152-153. May 1951.

66962 LAFOND, L. A., and HOLZER, W. F. Commercial sulphite production experience with ammonia-base acid. Tappi 34:241-247. June 1951. 302.8 T162

66963 LAFONTAINE, G. H. Linseed flax straw—its use in paper making. Pulp & Paper Mag. Canada 52(7):142-145. June 1951. 302.8 P96

66964 MAARTMANN, K. Small-dimensioned wood. (In Swedish.) Norsk Skogindus. 5:39-50. Feb. 1951. 99.82 N81

English summary.

Its utilization for pulpwood.

66965 MARTELLI-CHAUTARD. L'utilisation des bois tropicaux en papeterie. Indus. Nat. 1950:130-131. Oct./Dec. 1950. 473 In2

66966 MOIR, S. The pulpwood situation in the Pacific Northwest. Paper Mill News 74(28):124,126,128,130,158. July 14, 1951. 302.8 P195

66967 MURDOCK, H. R. The changing Japanese pulpwood situation. Paper Mill News 74(29):17. July 21, 1951. 302.8 P195

66968 OLIVER, M. L. Compensating for chip moisture variations by chip weighing. Tappi 34:273-275. June 1951. 302.8 T162

66969 OTTAR, H. Bleaching of wood pulp. (In Norwegian.) Norsk Skogindus. 5:109-117. Ref. Apr. 1951. 99.82 N81

English summary.

66970 PASCOE, T. A., and SCHEFFER, T. C. Jack pine pulpwood deterioration in yard storage. Pulp & Paper Mag. Canada 52(7):184,186,189-190,193,196-197. Ref. June 1951. 302.8 P96

66971 PETRIE, G. Preliminary refining of hot stock kraft. Paper Trade J. 133(2):92-93. July 13, 1951. 302.8 P196

66972 PREMO, R. A. Peroxide bleaching of groundwood and sulphite pulps. Tappi 34:270-272. June 1951. 302.8 T162

66973 RAZOUS, P. La pate de bois provenant surtout du peuplier. Bois et Scieries 57:264-265. Mar. 22, 1951. 99.81 B632

66974 RITTER, G. J. Hemicelluloses and cellulose of wood. U. S. D. A. Ybk. 1950/51:798-802. 1 Ag84Y

66975 ROYCE, C. K. Impact of defense requirements in the paper and twine industry. Paper Trade J. 132(26):37-38. June 29, 1951. 302.8 P196

66976 SCHAFER, E. R. New sources of paper pulps. U. S. D. A. Ybk. 1950/51:803-806. 1 Ag84Y

66977 SHORTER, A. H. The distribution of British paper mills in 1851. Paper-Maker & Brit. Paper Trade J. 121:416,418,420,422-423. June 1951. 302.8 P1922

66978 SOUTHERN PULPWOOD CONSERVATION ASSOCIATION. Proceedings, annual meeting, Atlanta, Georgia, January 23, 1951. Unit 35,41 p. 1951. 99.9 Un34

66979 STEVENSON, L. T. The place of the paper industry in the United States economy. Paper Trade J. 133(2):62,64. July 13, 1951. 302.8 P196

Also in Paper Mill News 74(28):103-104. July 14, 1951. 302.8 P195

66980 STONE, W. A., and MATARESE, J. G. Bleaching kraft pulp with mixtures of sodium chlorite and chlorine. Paper Mill News 74(26):14-17. June 30, 1951. 302.8 P195

66981 SUTLIVE, K. The largest kraft paper mill in the world. (Excerpts.) South. Pulp & Paper Mfr. 14(7):38,42,44. July 16, 1951. 302.8 So8

66982 TINKER, E. W. Importance of South's pulp and paper production. Unit 35:28-31. 1951. 99.9 Un34

66983 TRAYNARD. Etat et perspective de notre connaissance de la lignine. Assoc. Tech. de l'Indus. Papetière. B. 5:96-103. Ref. Mar. 1951. 302.9 As5

66984 TURCOTTE, L. P. The pulp situation. Paper Trade J. 133(2):64,66,68. July 13, 1951. 302.8 P196

Also in Paper Mill News 74(28):97-98. July 14, 1951. 302.8 P195

66985 WARD, K., JR. Backbone of the vegetable world. U. S. D. A. Ybk. 1950/51:793-797. 1 Ag84Y

Cellulose from wood and other sources.

Chemical Products and Distillates

66986 BEGLINGER, E. Production and uses of charcoal. U. S. D. A. Ybk. 1950/51:810-813. 1 Ag84Y

66987 BENK, E. Ueber birkensaft. Seifen-Ole-Fette-Wachse 77:337-338. July 4, 1951. 307.8 Se4

66988 CHAMBAR, P. Le tanin de l'écorce d'Eucalyptus sideroxylon. B. de l'Assoc. Franç. des Chim. des Indus. du Cuir et Doc. Sci. et Tech. des Indus. du Cuir 13:106-109. May 1951. 303.8 B87

66989 FOWLER, M. E. Ways to stop losses of tannin. U. S. D. A. Ybk. 1950/51:716-718. 1 Ag84Y

66990 GÓMEZ RAMÍREZ, C. A. Inconvenientes de la explotación del carbón vegetal. Rev. Agr. y Ganad. 13(134):19. Mar. 1951. 9.4 R327

66991 HILBERT, F. L. Technology of tanning. I. Spruce extract; its origin and its first uses in tanning in the U. S. Leather & Shoes 122:10,37. July 7, 1951. 303.8 H53

66992 MACDONALD, J. F. South Africa's wattle industry; while other vegetable tannin resources fall, wattle supply increases. Leather & Shoes 122(2):10,38-39. July 14, 1951. 303.8 H53

Naval Stores

66993 CLEMENTS, R. W. Field supervision important when using the bark chipping-acid stimulation method. Nav. Stores Rev. 61(13):13,24-26. June 30, 1951. 99.81 N22

66994 ESCUDERO, A. Acotaciones sobre la industria resinera. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:31-34. 1950. 99.9 C7622

66995 GOLDBLATT, L. A. Chemicals we get from turpentine. U. S. D. A. Ybk. 1950/51:815-821. 1 Ag84Y

66996 LAWRENCE, R. V. The industrial utilization of rosin. U. S. D. A. Ybk. 1950/51:822-826. 1 Ag84Y

66997 NAJERA Y ANGULO, F., and RIFE LAM-PRÉCHT, M. P. Resinación con estimulantes químicos; estudio general y experiencias realizadas en los pinares españoles. I.—Acido clorhídrico. Spain. Inst. Forest. de Invest. y Exper. B. 22,112 p. 1951. 99.9 Sp1

English summary.

66998 PALAZZO, F. C. Les directions actuelles possibles pour l'industrie italienne du gemmage. (In Italian.) Italia Forest. e Mont. 6:6-14. Jan./Feb. 1951. 99.8 It12

French summary.

66999 STRANGE, J. D. Selective cupping practice pays. AT-FA Journal 13(8):10-11. May 1951. 309.8 Am3

67000 SUMMERS, H. B., JR., and WAITE, E. P. Improved filtering process developed for gum naval stores processing. AT-FA Journal 13(6):16-17. Mar. 1951. 309.8 Am3

67001 VERGHESE, J., and GULATI, K. C. Turpentine oil from Pinus longifolia Roxb. J. Sci. & Indus. Res. 10A:112-113. Ref. Mar. 1951. 475 J82

Other Forest Products

67002 ALEXANDER, R. R. Source and availability of chipped wood for fuel. Noeast. Wood Util. Council B. 35:35-38. June 1951. 99.9 N819

67003 ALLEN, J. W. Use of chips in gravity feed stoves. Noeast. Wood Util. Council B. 35:39-51. June 1951. 99.9 N819

67004 ANDRADE, A. B. DE. A course on the use of cork for heat and sound insulation. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 13:67-75,89-96. Ref. Jan.-Feb. 1951. 309.9 J96

67005 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Sawdust rennet casein boards, by C. H. Hebblethwaite. Progress report. South Melbourne, 1951. 12 p. (Its Project U. 15/3. Experiment U.15/3) 99.76 Au72Sa

67006 BALDWIN, H. I. The world wood fuel situation. Noeast. Wood Util. Council B. 35:7. June 1951. 99.9 N819

67007 BANKS, W. J. There's oil in these trees. Forest & Outdoors 47(6):26-27. June 1951. 99.8 C16

Foliage of Picea mariana logging waste.

67008 BILLARD, J. Les arbres de Noël; une utilisation rémunératrice des emprises électriques. Rev. Forest. Franç. 7/8:485-489. July/Aug. 1951. 99.8 R329

67009 FORBES, R. H. Is wood waste disappearing? Org. Farmer 2(12):38-41. July 1951. 57.8 Or3

67010 GRANUM, H. Sawdust and shavings as insulation material in houses. (In Norwegian.) (Excerpts.) Norsk Skogindus. 5:55-59. Feb. 1951. 99.82 N81

English summary.

67011 HARRIS, E. E. Molasses and yeast from wood. U. S. D. A. Ybk. 1950/51:886-890. 1 Ag84Y

67012 HEERMANCE, E. L. Wood fuel in a national emergency. Noeast. Wood Util. Council B. 35:9-13. June 1951. 99.9 N819

67013 LETTS, W. W. Briquets from sawdust, bark and other waste. Noeast. Wood Util. Council B. 35:73-77. June 1951. 99.9 N819
Includes discussion.

67014 LIESE, J. Erfahrung mit holzpflasterstrassen. Holz 5:62-64. (Cont.) Mar. 1951. 99.82 H743

67015 LIPKA, W. Parkettdecken. Holz 5:35-36. Feb. 1951. 99.82 H743

67016 MATHIEU, H. Le bois dans la reliure. Rev. du Bois 6(6):19-20. June 1951. 99.82 R32

67017 MILLER, E. C., and HANSEN, G. E. Spreader stoker firing of wood and coal in multiple fuel furnaces. Noeast. Wood Util. Council B. 35:53-72. June 1951. 99.9 N819

Includes discussion.

67018 MILLER, R. H. P. Characteristics of wood as fuel. Noeast. Wood Util. Council B. 35:15-20. June 1951. 99.9 N819

67019 MONROY, J. A. VON. Alte und neue möglichkeiten der brenn- und abfallholzverwertung. Wald u. Holz 32:149-153. Apr. 1951. 99.8 W14

67020 MONTANARI, V. The production of wood for fuel in the cultivated region of the Po Valley. (In Italian.) Agr. delle Venezie 5:133-143. (To be cont.) Mar. 1951. 16 Ag826

67021 NORTHEASTERN WOOD UTILIZATION COUNCIL. Wood fuel. Report of conference at Philadelphia May 10, 1951. Noeast. Wood Util. Council B. 35, 77 p. June 1951. 99.9 N819

67022 OGLAND, N. J. Sizing of wallboard. (In Swedish.) Norsk Skogindus. 5:51-54. Ref. Feb. 1951. 99.82 N81

English summary.

67023 RISHELL, C. A., and STEARNS, J. L. Wood bodies for military vehicles. Mil. Engin. 43:247. July/Aug. 1951. 290.9 Un3

67024 ROTTIER, J. M. The walking tree farm. Lake States Timber Digest 5(8):1,10. June 1951. 99.81 L14
Tilia for artificial limbs.

67025 SUMSEL, L. Wooden pipes. (In Italian.) Italia Forest. e Mont. 6:19-36. Ref. Jan./Feb. 1951. 99.8 It12

English summary.

For water conduits.

67026 WRIGHT, J. "Peterborough" canoes and outboards for world markets. Canad. Woodworker 51(5):32-33, 82-84, 86. May 1951. 99.82 C162

WOOD TECHNOLOGY

67027 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Molecular-weight distribution studies on various nitrated celluloses. Progress Rpt. No. 7. Compiled by C. Emery, and W. E. Cohen. South Melbourne, 1950. 41 p. 99.79 Au7Cf

67028 BAILEY, N. Know your wood: maple. Wood Working Digest 53:77-81. July 1951. 99.82 W87

67029 BENNETT, E. C., and PARDEE, A. M. The chemical composition of ponderosa pine bark. (Abs.) S. Dak. Acad. Sci. Proc. 29:91-93. Dec. 1, 1950. 500 So82

67030 GIL MONTERO, J. La quimurgia de la madera. Rev. Indus. y Fabril 6:225-227. Apr. 1951. 297.8 R322

67031 GOTTLIEB, S., and PELCZAR, M. J., JR. Microbiological aspects of lignin degradation. Bact. Rev. 15:55-76. Ref. June 1951. 448.3 B13

67032 HUBLIN, R. La constitution du goudron de pin. Rev. Gén. du Caoutchouc 28:405-408. June 1951. 305.8 R32

English summary, p. 418.

67033 MCMILLEN, W. Chemurgy climbs a lot of trees. Chemurg. Digest 10(7):36. July 1951. 381 N213Na

Wood chemurgy.

67034 MÜLLER, H. Baumkrone und holzqualität. Grüne 79:256-260. Mar. 2, 1951. 17 Sch9

67035 PEPPER, J. M., BROUNSTEIN, C. J., and SHEARER, D. A. Studies on lignin by means of catalytic hydrogenation of aspen wood and wheat straw. Amer. Chem. Soc. J. 73:3316-3319. July 1951. 381 Am33J

67036 POT, H. F., and VAROSSIEAU, W. W. Handboek voor de houtanalyst [Hand book of the wood analyst]. Haarlem, Kemperman, 1950. 176 p. 99.79 P84

67037 RUBENS, E. Progresos de la química industrial maderera con miras especiales a las condiciones reinantes en Chile. Soc. Chilena de Quím. B. 2(1/2):71-79. Dec. 1950. 385 So18

67038 SMET, G. DE. Le bois bakélisé. Bois et Scieries 57:387, 389. Apr. 26, 1951. 99.81 B632

67039 SMITH, T. H. Chromatographic methods and their use in the cellulose chemistry. (In Norwegian.) Norsk Skogindus. 5:141-148. Ref. May 1951. 99.82 N81
English summary.

67040 ULMANN. Chemische holzforschung in der UdSSR. Forstwirt., Holzwirt. 5:29-30. Jan. 15, 1951. 99.8 F7793

67041 WESSEL, J. C. Chemurgic products from the woods and the sea. Chemurg. Digest 10(7):10. July 1951. 381 N213Na

Properties and Structure

67042 ARMSTRONG, F. H. Resistance to wear of muhuhu [Brachylaena hutchinsii] as flooring. Wood [London] 16:214-215. June 1951. 99.82 W855

67043 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. The effect of temperature on the strength properties of wood, plywood and glued joints, by E. H. Barnard-Brown and R. S. T. Kingston. Progress report. South Melbourne, 1951. 13 p. (Its Sub-project T. P. 10-3) 99.79 Au7Ef

67044 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Growth studies. Wood structure in relation to growth of Beilschmiedia bancroftii Bailey and White, by G. L. Amos and H. E. Dadswell. Progress report. South Melbourne, 1950. 19 p. (Its Project W. S. 15. Subproject W. S. 15-3) 99.31 Au7Gr

67045 BOYD, J. D. Tree growth stresses. II. The development of shakes and other visual failures in timber. Austral. J. Appl. Sci. 1:296-312. Sept. 1950. 475 Au74

67046 MEINEKE, W. A. Die lage der jahresringe bei mittellagen von tischlerplatten. Holz 5:59-60. Mar. 1951. 99.82 H743

67047 NORDQUIST, G. A new method for determination of the bonding strength between board plies. Teollisuuden Keskuslab. Tiedonantoja 80, 12 p. Ref. 1950. 330.9 T26

67048 STAMM, A. J. Stabilizing the dimensions of wood. U. S. D. A. Ybk. 1950/51:807-809. 1 Ag84Y

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

67049 BONADONNA, T. Farmers of the Province of Pavia and the problem of artificial insemination. (In Italian.) Voce dei Campi 6(2):3-4. (To be cont.) Jan. 20, 1951. 16 V852

67050 BORISENKO, E. I. A. Development of new breeds in Soviet animal industry. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok. 12:8-15. 1950. 20 M875

67051 CHIEFFI, A. Don't take chances with your herds! (In Portuguese.) Seleg. Agr. 6(61):61-62. May 1951. 9.2 Se4

Livestock breeding.

67052 DOBZHANSKY, T. Contribution of genetics to the improvement of animal and plant species. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(40):1-4. June 6, 1951. 281.8 Ag3

67053 FIGUEROA INFANTE, J. La selección: los índices de selección. Vida Agr. [Lima] 28:359, 361, 363-364. May 1951. 9.8 V66

Livestock.

67054 FONTANNAZ, W. Les méthodes modernes d'élevage, en particulier "l'élevage de race pure," rapportées à l'élevage du petit bétail. Schweiz. Landwirt. Monatsh. 1951:161-178. May 20, 1951. 17 Sch93

67055 FRANJIC K., I. Inseminación artificial y eliminación de la esterilidad en los ganados. Campesino [Santiago] 83(4):24-25, 27. Apr. 1951. 9.3 So12

67056 JEAN-BLAIN, M. Traité de zootechnie générale. Tome I. Génétique générale. Paris, Vigot, 1950. 207 p. Ref. 40 T68

- 67057 KISLOVSKIĬ, D. A. System of pedigree breeding work in public livestock production. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok. 12:16-25. 1950. 20 M875
- 67058 KONIG, K. Weshalb wirtschaftstyp in der modernen tierzucht? Allgäuer Bauernbl. 19:269-270. May 17, 1951. 18 AL53
- 67059 MEAD, S. W. Dangers of haphazard breeding are shown in history of development of livestock. Calif. Cattleman 1951:10-11. June 1951. 43.8 C12
- 67060 REIFF, H. School for artificial insemination. Purdue Agr. 42(8):20. May 1951. 6 P97
- 67061 TURBIN, N. V. The Michurinist methods in the selection of animals. (In Czech.) Českoslov. Akad. Zeměděl. Věst. 25:12-22. Apr. 1951. 19.5 C332
- 67062 WOLF, L. Lindauer Züchter besuchen schweizer Züchter. Allgäuer Bauernbl. 19:315-316. June 7, 1951. 18 AL53
- 67063 ZORN, W. Neue forschungsergebnisse auf dem gesamtbereich der viehwirtschaft in ihrer anwendung in der praxis. Landwirt. Jahrb. f. Bayern 28(spec.no.):110-124. Apr. 1951. 18 L24
- Feeding and breeding.

FEEDS AND FEEDING

- 67064 ANDREWS, F. N. The practical importance of hormones in feeding. East. Feed Merchant 2(7):32-33, 56. July 1951. 389.78 Ea7
- Livestock.
- 67065 BAKER, W. S. Value of fish meal. Flour & Feed 52(2):24. July 1951. 298.8 F66
- 67066 BARNETT, A. J. G., and MILLER, T. B. Calculation of the digestibility of the protein in silage. Nature [London] 167:997. June 16, 1951. 472 N21
- 67067 BARNETT, A. J. G., MCLAREN, S. M., and MOORE, W. Studies on the ensilage of kale. Empire J. Expt. Agr. 19:139-144. Ref. Apr. 1951. 10 Em7
- 67068 BAUR, M. Erfahrungen und lehren aus dem gärfutterwettbewerb 1950/51. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:821. May 31, 1951. 18 L2346
- 67069 BEESON, W. M. Some new factors in animal feeding. Conf. Res. Proc. 2:23-27. 1950. 50.9 C762
- 67070 BENDER, C. B. Grass-legume silage. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.564-577. Ref. Ames, 1951. 60 H87
- 67071 BLACK, N. M. Nuevos puntos de vista sobre los suplementos minerales en la alimentación del ganado. Res 19:25957-25958. May 20, 1951. 286.85 R31
- 67072 BOHSTEDT, G. Antibiotics and vitamin B₁₂ in livestock feeding. Wis. Agr. Col. Ext. C. 392,6 p. Feb. 1951. 275.29 W75C
- 67073 BOHSTEDT, G. New developments in dairy and livestock feeding. Feedstuffs 23(26):52-53. June 30, 1951. 286.81 F322
- Similar title in Feed Bag 27(6):43,89. June 1951. 389.78 F32; Flour & Feed 52(2):10. July 1951. 298.8 F66
- 67074 BOHSTEDT, G. What is quality hay? In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.535-548. Ref. Ames, 1951. 60 H87
- 67075 BOULENAZ, A., and CAPUTA, J. Influence de la fermentation sur la valeur fourragère du foin. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 7:33-35. May 1951. 17 J82A
- 67076 BRION, A., and BERTRAND, M. Les vitamines du complexe B. Encyc. Vét. Périod. 1950:419-458. 41.8 En1
- In human and animal nutrition.
- 67077 BROCHART. L'ensilage des fourrages verts. Terre 345:1,3. (To be cont.) May 24/30, 1951. 281.8 T27
- 67078 BROUGHTON, A. When you're putting up hay cut it early while it's still top quality; then get it in quickly to save the leaves. Wis. Agr. & Farmer 78(11):10; (12):4. June 2-16, 1951. 6 W751
- Title varies.
- 67079 BURKE, K. A. Rapid progress made in field of nutrition. Black Fox Mag. & Mod. Mink Breeder 35(2):7-8. June 1951. 410 B56
- 67080 BURROUGHS, W. Roughage utilization by ruminants as influenced by dietary constituents upon rumen microflora. Cornell Nutr. Conf. Feed Mfr. Proc. 1950:11-22. Ref. 389.79 C81
- 67081 BUZI, V. C. Lime in plants; a factor in livestock improvement. (In Italian.) Allevatore 7(10):3-4. Mar. 11, 1951. 49 AL55
- 67082 CINQUIN. Quelques considérations sur l'alimentation du bétail en été. Terre Marocaine 25:182-184. June 1951. 24 T44
- 67083 EDDS, G. T. Practical application of recent nutritional developments. No. Amer. Vet. 32:469-472. Ref. July 1951. 41.8 N812
- 67084 ELLIS, N. R., and BIRD, H. R. Byproducts as feed for livestock. U. S. D. A. Ybk. 1950/51:851-858. 1 Ag84Y
- Includes grain and milk products, soybean meal, cottonseed meal, and peanut meal.
- 67085 FRENCH, M. H. Factors affecting animal nutrition in Tanganyika. East African Agr. J. 16:198-203. Apr. 1951. 24 Ea74
- 67086 FREW, J. More grass silage is best way out with big, poor hay crop. Dairyland News 21(6):6,11. June 1951. 280.28 W752
- 67087 GERVAIS, P. L'emploi des préservatifs dans l'ensilage des foins verts. Agriculture [Montreal] 8:93-106. Ref. Spring 1951. 7 Ag82
- 67088 GROSS, A. Are you getting your feed dollar's worth? Ohio Farm Bur. News 30(12):16,31. July 1951. 6 Oh34
- Includes nutritive value.
- 67089 GUSE, L. Store pasture crops as grass silage. Purdue Agr. 42(8):8,12. May 1951. 6 P97
- 67090 HARRIS, E. E., HAJNY, G. J., and JOHNSON, M. C. Protein evaluations of yeast grown on wood hydrolyzate. Indus. & Engin. Chem. 43:1593-1596. Ref. July 1951. 381 J825
- Includes value of the yeasts as protein source for livestock.
- 67091 HARTMAN, A. M. Studies on the vitamin B₁₂ activity of and unidentified nutrients in cottonseed flours and meals. (Abs.) Cottonseed Nutr. & Processors Conf. Proc. 1950:30. 1951? 1.9321 S2P943
- 67092 HATHAWAY, I. L., YUNG, F. D., and KIESSEL-BACH, T. A. The relationship of the drying temperature to the nutritive value of corn. (Abs.) J. Dairy Sci. 34:510. June 1951. 44.8 J822
- 67093 HOLMAN, R. T. Fatty acids in nutrition. Conf. Res. Proc. 3:1-10. Ref. 1951. 50.9 C762
- With reference to animal nutrition.
- 67094 HORN, M. J. Nutritional value and amino acid availability of cottonseed meals. Series 1 and 5. (Abs.) Cottonseed Nutr. & Processors Conf. Proc. 1950:23-25. 1951? 1.9321 S2P943
- Includes discussion.
- 67095 HUGHES, J. S., and SANFORD, P. E. Antibiotics in animal nutrition. Flour & Feed 52(2):18. July 1951. 298.8 F66
- 67096 JEAN-BLAIN, M. L'ensilage des fourrages. Colon Franç. de Tunisie (ser.7)44(2201):1,3. June 9, 1951. 24 C712
- 67097 JUKES, T. H. Vitamin B₁₂, aureomycin and other antibiotics in animal feeding. Conf. Res. Proc. 3:11-13. 1951. 50.9 C762
- 67098 KARAPETIAN, S. K., and GUKASIAN, M. The feed and nutritive values of potato haulms. (In Russian.) Akad. Nauk Armianskoï SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:783-790. 1950. 20 Er4
- 67099 KEANE, T. Silage experiments in the Thurles area. Beet Grower 5:57-59. Apr. 1951. 66.8 B392
- 67100 KEESTRA, J. Provision of proper livestock feed and feed production. (In Dutch.) Friesch Landtbl. 48:379-380. (To be cont.) June 8, 1951. 12 F91
- 67101 KIVIMÄE, A. Feed value of hay in Norrland. III. (In Swedish.) Lantmannen 35:523-524. June 30, 1951. 11 L234
- 67102 KOCH, W. Die wirkung hochdosierter hormone auf mast und fleischqualität. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:349-350. May 1951. 384 Z39
- Livestock.
- 67103 LITTON, G. W. Mineral supplements for sheep, beef cattle and hogs. Breeder-Stockman 13(2):15. July 1951. 49 V81
- 67104 LYMAN, C. M. Review of nutritional research on cottonseed meal. Cottonseed Nutr. & Processors Conf. Proc. 1950:7-11. 1951? 1.9321 S2P943
- 67105 MARTIN, T. G., PORTER, A. R., and STODDARD, G. E. The effects of added corn meal and dried whey and of moisture level on the preservation and quality of alfalfa silage stored in miniature silos. (Abs.) J. Dairy Sci. 34:493. June 1951. 44.8 J822
- 67106 MATALIANA VENTURA, S. Valor real del buen abrevadero. España Agr. 1950:5-6. Dec. 1950. 335.8 Es6
- 67107 MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. FARM CROPS DEPT. Grass silage. Mich. State Col. Agr. Ext. Folder 153,6 p. June 1950. 275.29 M58Ex
- 67108 MORALES ANTEQUERA, C. Una experiencia muy curiosa sobre ensilado de hojas de higuera. España Agr. 1950:5-7. Sept. 1950. 335.8 Es6

- 67109 MUNDE. Richtiges verhältnis zwischen viehbesatz und futteranfall. *Neue Mitt. f. die Landwirt.* 6:402-403. June 16, 1951. 18 N39
- 67110 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Silage for security. VI. Good start on two farms in down. *North. Ireland. Min. Agr. Mon. Rpt.* 26: 7-11. May 1951. 256.13 Ag82M
- 67111 PATTERSON, H. G. Conservation of fodder. *So. Austral. Dept. Agr. J.* 54:401. Mar. 1951. 23 So84
- 67112 PLICE, M. J. Sugar versus the intuitive choice of foods by livestock. *Agron. J.* 43:341-342. July 1951. 4 Am34P
- 67113 PRICE, H. A. Hay with twenty per cent protein; how lucerne hay, of as high a quality as if artificially dried, can be made. *Farmer & Stock-Breeder* 65(3216): 73-74. June 12, 1951. 10 F228
- 67114 QUICK, inexpensive grass silage storage. *Successful Farming* 49(6):47, 76. June 1951. 6 Su12
- 67115 RAYMOND, L. C. Ensilage de maïs vs ensilage d'herbes. *Agriculture [Montreal]* 8:111-114. Spring 1951. 7 Am82
- 67116 REID, J. T. Evaluation of roughages by chemical and biological means. *Cornell Nutr. Conf. Feed Mfr. Proc.* 1950:57-68. Ref. 389.79 C81
- 67117 RICHTER, K. Der zweckmässige einsatz der hackfrüchte und ihrer nebenerzeugnisse in der viehfütterung. *Landwirt. Jahrb. f. Bayern* 28(spec.no.):102-109. Apr. 1951. 18 L24
- 67118 RINTELEN. Viehhaltung auf wirtschaftseigener futtergrundlage. *Landwirt. Wechnbl. f. Westfalen u. Lippe* 108A:819. May 31, 1951. 18 L2346
- 67119 RIPLEY, P. O. L'ensilage des foins verts à la Ferme Expérimentale d'Ottawa. *Agriculture [Montreal]* 8:107-110. Spring 1951. 7 Ag82
- 67120 ROF CODINA, J. La avena en grano como excelente pienso. *Balearic Isl. Diputación Prov. B. de Agr.* 78:7. Mar. 1951. 15 B19
- 67121 SAXENA, H. C. Silage. *Allahabad Farmer* 25:73-83. Mar. 1951. 22 AL5
- 67122 SHAW, A. O., GOLDING, N. S., and ASHWORTH, U. S. Influence of temperature and atmosphere on silage preservation. (Abs.) *J. Dairy Sci.* 34:494. June 1951. 44.8 J822
- 67123 SIEBOLD, F. Ausreichende futterversorgung durch besseres silofutter. *Tierzüchter* 3:314-315. June 5, 1951. 49 T445
- 67124 SIEVERT, C. W. The role of betaine; how it can be used in feeds. *Feed Bag* 27(7):37, 77. July 1951. 389.78 F32
- 67125 SPRONCK, J. Les aliments d'origine animale; le facteur "protéine animale." *Agriculture [Paris]* 15: 141. May 1951. 14 Ag823
- 67126 STABLER, S. P. It's grass silage time again. *Mod. Farmer* 35(5):4-5. May 1951. 6 M362
- Silage preparation.
- 67127 STARR, C. P. Can we afford another "operation haylift"? *Natl. Wool Grower* 41(7):12-13, 40. July 1951. 45.8 N21N
- Program for livestock feeding in event of severe winter.
- 67128 STORRAR, A. Notes on the making of high quality silage. *Kenya. Dept. Agr. Annu. Rev.* 1950:22-26. 24 K423
- 67129 THOMAS, M. L'ensilage des fourrages verts. *Défense Agr. de la Beauce et du Perche* 48:237-238. June 9, 1951. 14 D36
- 67130 TIEMANN. Zusatzfreie gärfutterbereitung auf natürlicher grundlage. *Neue Mitt. f. die Landwirt.* 6:396-397. June 16, 1951. 18 N39
- 67131 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Wonder drugs in livestock feeding, by H. R. Bird, J. Blight, and M. E. Bliss. *Washington*, 1951. 4 p. 1.914 R2R11
- Antibiotics in livestock feeding.
- 67132 VIERÖCKL, J. Wie füttere ich richtig? 400 fragen und antworten über die fütterung der rinder, pferde, schweine, schafe, hühner. *Wien, Fromme*, 1950. 284 p. 389.7 V672
- 67133 VOLLRATH, H. M. Fish meal as a livestock feed. *Hawaii. U. Agr. Ext. C.* 307, 4 p. May 1951. 275.29 H312Ac
- 67134 WESTERBERG, K. W. Hay finishing in northern Minnesota. *Stock & Dairy Farmer* 39:3, 7. May 1951. 6 N8195
- Nutritive value.
- VETERINARY MEDICINE**
- 67135 ADAMS, M. V. The border fight against foot-and-mouth disease. *Sheep & Goat Raiser* 31(9):20-23. June 1951. 45.8 Sh3
- 67136 AHUJA, M. L. Studies on rabies. II. Antirabies treatment with carbolized vaccine: a review of work in India. A simplified classification suggested for purposes of treatment. *Indian J. Med. Res.* 38:483-488. Oct. 1950. 448.8 In22
- 67137 ALBRECHT, R. Tricky disease; is misunderstanding the reason why brucellosis is hard to overcome? *Prairie Farmer*, Ill. Ed. 123(12):12-13. June 16, 1951. 6 P883B
- 67138 ARMISTEAD, W. W. Fracture treatment. *No. Amer. Vet.* 32:487-499. July 1951. 41.8 N812
- 67139 BAISDEN, L. A. Trace element supplements for asparagine brands found to be deficient for the growth of tubercle bacilli. *Amer. J. Vet. Res.* 12:254-256. July 1951. 41.8 Am3A
- 67140 BLANCHARD, L. Les sels d'ammoniums quaternaires; leurs propriétés pharmacologiques, antiseptiques et détersives. *Encyc. Vét. Périod.* 1951:26-30. Ref. 41.8 En1
- 67141 BONNET, P. Considérations sur certains trypanocides vétérinaires, en particulier ce qui concerne leur toxicité. *Marseille. Inst. Colon. Cahiers Colon.* 34:185-187. Apr./May 1951. 286.8 M35
- 67142 BORZONI, G. Epizootic foot and mouth disease. (In Italian.) *Agr. Romagn.* 8:1. (Cont.) Apr. 20, 1951. 16 Ag828
- 67143 BOSGRA, O. Dried *Brucella abortus* S 19 vaccine in a frozen state. (In Polish.) *Med. Weter.* 7:164-167. Ref. Mar. 1951. 41.8 M463
- 67144 BOURNE, R. F. The physiology of disease. XI. Disorders involving the liver coagulation factors. *No. Amer. Vet.* 32:473-476. Ref. July 1951. 41.8 N812
- 67145 BRION, A. Thérapeutique générale de la stérilité. *Rev. de Méd. Vét. [Toulouse]* 101:614-635. Dec. 1950. 41.8 R32
- 67146 BROOKS, A. G. Studies on rabies. IV. Some personal observations. *Indian J. Med. Res.* 38:493-497. Oct. 1950. 448.8 In22
- 67147 CARPENTER, L. How to use antibiotics on the farm. *Hormel Farmer* 14(8):4-5. Apr. 15, 1951. 49 H782
- 67148 CASÓS, G. A. Intoxicaciones alimentarias del ganado por vegetales. *Res* 19:26013-26015. June 5, 1951. 286.85 R31
- 67149 CASTILLO GILARDI, A. El medio IM-SMG en el diagnóstico de la *Salmonella typhimurium* en los animales. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:15-44. Ref. Dec. 1950. 41.9 Un37
- English summary.
- 67150 CIANI, G. Organization of the veterinary services in large centers, with special reference to the relationship between public and industrial slaughtering. (In Italian.) *Prog. Vet.* 6:276-278, 280, 282, 306-307, 309-310. May 1-15, 1951. 41.8 P942
- 67151 CILLI, V. Biological aspects of some ultraviruses in relation to their use as vaccines in veterinary medicine. (In Italian.) *Zooprofilassi* 6:95-100, 102-107. (Concl.) Ref. Mar. 1951. 41.8 Z72
- Foot-and-mouth disease; closing remarks; bibliography.
- 67152 CRAWFORD, R. The operation of veterinary club practice in a sheep district. *Austral. Vet. J.* 27:103-111. May 1951. 41.8 Au72
- Includes discussion.
- 67153 DANIELSON, I. S., and BOLTON, R. Laboratory studies on the immunizing value of hemorrhagic septicemia bacterin and blackleg bacterin. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:259-271. Ref. 1951. 49.9 Un3R
- 67154 DISEASES of the new-born animal. I-VII. *Vet. Rec.* 63:397-400. June 9, 1951. 41.8 V641
- Summaries of contributions to a symposium.
- I, The maternal transference of antibodies in the bovine, by F. Blakemore; II, Haemolytic disease in the new-born foal, by M. T. I. Cronin; III, Pyosepticaemia of the new-born foal (sleepy foal disease), by B. T. Farrelly; IV, Blindness in new-born pigs, by R. B. Maneely; V, Pneumococcal infection in calves, by S. W. Michna; VI, Congenital cardiac anomalies, by C. W. Ottaway; VII, A new syndrome of ataxia in new-born lambs; Pt. 1, Paraplegia in lambs, by P. L. Shanks; Pt. 2, The nature of the defect and some aetiological considerations, by H. B. Parry.
- 67155 DOMMA, K. Gefährlicher kreislauf der tuberkulose; infektionen vom menschen zum haustier und wieder zum menschen. *Osterr. Fleischhauer- u. Fleischselcher- Ztg.* 17/18:9. Apr. 28, 1951. 50.8 Os7
- 67156 D'SILVA, C. B. Studies on rabies. III. A note on the preparation and storage of a local 'standard challenge rabies virus'. *Indian J. Med. Res.* 38:489-491. Oct. 1950. 448.8 In22

- 67157 DUCKWORTH, C. U. Aftosa mexicana. Calif. Dept. Agr. B. 40:47-48. Apr./June 1951. 2 C12M
- 67158 EDWARDS, J. T. History of the veterinary profession 1851-1951. B. The turn of events immediately after the Charter of 1844, and the consequences felt therefrom a century later. Brit. Vet. J. 107:243-257. June 1951. 41.8 V643
- 67159 EMIK, L. O. Reported brucellosis in the United States. CDC Bulletin 10(2):17-20. Feb. 1951. 151.65 C12
- In man and domestic animals.
- 67160 ENDRES, P. Der Landestierseuchenfonds. Kärntner Bauer 101:221-222. Apr. 15, 1951. 19 K14
- 67161 EPSTEIN, B., FONSECA, N. M., and ROBERTS, E. DE. Estudio con el microscopio electrónico de los estromas de glóbulos rojos después de la infección experimental con el virus de la fiebre aftosa. Cien. e Invest. 7:185-187. Apr. 1951. 475 C482
- 67162 FETHERS, G. Coast disease. Past. Rev. 60:794-795. Aug. 16, 1950. 23 Au75
- Mineral deficiencies in pasture and livestock diseases.
- 67163 FLATTEN, W. Über die trockenbehandlung durch aktiv-puder in der veterinärmedizin. Tierärztl. Umschau 6:216-217. June 1951. 41.8 T445
- 67164 FONTANELLI, E. Cellular metabolism and viruses. (In Italian.) Zooprofilassi 6:162-164. Apr. 1951. 41.8 Z72
- 67165 FOSTER, A. O. Veterinary parasitology; the administration of antiparasitic drugs in feed. Vet. Med. 46:324-326. Aug. 1951. 41.8 M69
- 67166 FRANKOWSKI, M. Organization and the activity of the veterinary service in the state agricultural farms. (In Polish.) Med. Weter. 7:202. Mar. 1951. 41.8 M463
- 67167 FRENKEL, H. S. Research on foot-and-mouth disease. III. The cultivation of the virus on a practical scale in explantations of bovine tongue epithelium. Amer. J. Vet. Res. 12:187-190. July 1951. 41.8 Am3A
- 67168 FRICK, E. J. Evolution of a new instrument. Amer. Vet. Med. Assoc. J. 119:138. Aug. 1951. 41.8 Am3
- 67169 FROEHNER, R. Beitrag zur geschichte der trichinenschau. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:120-121. June 1951. 41.8 B45
- 67170 FÜRST, W. Tierärztliches und tierzüchterisches aus Patagonien. Wien. Tierärztl. Monatsschr. 38:384-385. June 1951. 41.8 T345
- 67171 GALLO, C. Further investigations and experiments on Q fever in animals in Sicily. (In Italian.) Zooprofilassi 6:110-117. Mar. 1951. 41.8 Z72
- English summary.
- 67172 GENGOUX, P. Médiateurs chimiques et synaptolytiques. Ann. de Méd. Vét. 95:91-101. Ref. Mar. 1951. 41.8 An78
- 67173 GENGOUX, P. Sympatholytiques et inversions d'action. Ann. de Méd. Vét. 95:79-91. Ref. Mar. 1951. 41.8 An78
- 67174 GIRARD, H. Los problemas presentados por la fiebre aftosa. Rev. Nac. de Agr. 44(552):37-45. Apr. 1951. 9.4 R32
- 67175 GRUSZECKI, S. Perspective planning of therapeutic institutions. (In Polish.) Med. Veter. 7:260-264. Apr. 1951. 41.8 M463
- 67176 HAMMOND, J. The practical use of hormones in animal production. Nord. Vetmed. 3:525-537. Ref. June 1951. 41.8 N813
- 67177 HANSARD, S. L. Radioisotope procedures with farm animals. I. Metabolism facilities. Nucleonics 9:13-25. Ref. July 1951. 33.4 N88
- 67178 HARRIS, L. E. New developments in chemotherapeutic agents. II. Vet. Med. 46:295-300. Ref. Aug. 1951. 41.8 M69
- 67179 HART, G. H. Nutrition in relation to disease. Feedstuffs 23(27):28-31, 33-34, 36. Ref. July 7, 1951. 286.81 F322
- 67180 HEINE, P. Tierarzt und milchversorgung. Lebensmitteltierarzt 1:180-182. Dec. 1950. 41.8 L49
- 67181 HENROTIN, L. La fièvre aphteuse en 1950. Rev. de l'Agr. 4:605-610. May 1951. 13 R322
- In Belgium.
- 67182 HOFMANN, W. Die brucellosen als berufs-krankheit für den tierarzt. Schweiz. Arch. f. Tierheilk. 93:320-326. May 1951. 41.8 Sch9
- English summary.
- 67183 HOFMANN, W. 50 jahre Berner Veterinär-Medizinische Fakultät. Schweiz. Bauer 105(65):1-3.5. June 8, 1951. 17 Sch95
- 67184 HUGHES, J. S. The hormones; what they are—their functions. Grain & Feed J. Consolidated 106(12):21-25. June 27, 1951. 298.8 G762
- 67185 HUPKA, E. Hochschulehrgut Adendorf; 25 jahre im besitz der Tierärztlichen Hochschule Hannover. Deut. Tierärztl. Wchnschr. 58:194-198. July 1, 1951. 41.8 D482
- 67186 JACOBSEN, C. The Iowa Veterinary Diagnostic Laboratory. Iowa State Col. Vet. 13:138-139. 1951. 41.8 V6425
- 67187 JÄGER, R. Darmisan, ein antidiarrhoicum für die tierärztliche praxis. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:120. June 1951. 41.8 B45
- 67188 JANISZEWSKI, J. An attempt of the explanation of the pathogenesis of foreign bodies in the alimentary tract by the Pavlov science. (In Polish.) Med. Weter. 7:189-190. Mar. 1951. 41.8 M463
- 67189 JOHNSON, H. H. Progress in the eradication of foot and mouth disease in Mexico. U. S. Livestock Sanit. Assoc. Proc. (1950)54:41-43. 1951. 49.9 Un3R
- 67190 JOHNSON, H. N. The rabies control program of the World Health Organization. U. S. Livestock Sanit. Assoc. Proc. (1950)54:210-215. 1951. 49.9 Un3R
- 67191 JUSZKIEWICZ, T. Michurinism and the clinical veterinary sciences. (In Polish.) Med. Weter. 7:184-186. Mar. 1951. 41.8 M463
- Michurinism.
- 67192 KARLSON, A. G. Tuberculosis of animals. Amer. Vet. Med. Assoc. J. 119:108-109. Aug. 1951. 41.8 Am3
- 67193 KELSER, R. A. Diseases of animals important to man in time of war. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 123:87-95. June 14, 1951. 41.9 P386
- 67194 KESTER, W. O. Future of veterinary service in the United States Air Force. Amer. Vet. Med. Assoc. J. 119:41-43. July 1951. 41.8 Am3
- Responsible for food inspection.
- 67195 KOCH, W. Die hochdosierten oestrogene in der tierärztlichen praxis. Tierärztl. Umschau 6:230-233. Ref. July 1951. 41.8 T445
- 67196 KOCH, W. Rachitis. Tierärztl. Umschau 6:197-199. June 1951. 41.8 T445
- 67197 KOEGEL, A. Stellung der tierpsychologie im rahmen der vergleichenden psychologie. Tierärztl. Umschau 6:244-246. July 1951. 41.8 T445
- 67198 KUTTLER, A. K. Bovine, avian and swine tuberculosis eradication. U. S. Livestock Sanit. Assoc. Proc. (1950)54:122-125. 1951. 49.9 Un3R
- 67199 LAGERLÖF, N. Education in veterinary obstetrics and gynecology. Amer. Vet. Med. Assoc. J. 119:118-123. Aug. 1951. 41.8 Am3
- 67200 LANGHAM, W. H. Problems of the livestock industry created by atomic explosions. U. S. Livestock Sanit. Assoc. Proc. (1950)54:48-61. 1951. 49.9 Un3R
- Includes discussion.
- 67201 LAWRIE, R. A. Some observations on factors affecting myoglobin concentrations in muscle. J. Agr. Sci. 40:356-366. Ref. Oct. 1950, pub. June 1951. 10 J882
- 67202 LEONOW, N. I. A new stage in the development of microbiology. (In Polish.) Med. Weter. 7:10-13. Jan. 1951. 41.8 M463
- 67203 LÉPINE, P., PAVILANIS, V., and ATANASIU, P. Action de la terramycine sur le virus rabique, la maladie de Newcastle et la variole aviaire. Inst. Pasteur. Ann. 80:666-668. June 1951. 448.3 An75
- 67204 LUCAS MORAN, B. Informe sobre la primera reunión internacional del grupo de peritos en brucelosis, realizada en Washington. Gac. Vet. 13(69):9-24. Jan./Feb. 1951. 41.8 G112
- 67205 MAIER, N. Um die fortschritte in der tierärztlichen tierzucht. Tierärztl. Umschau 6:250-255. July 1951. 41.8 T445
- 67206 MARCENAC. Anesthésie. Encyc. Vét. Périod. 1951:46-57. Ref. 41.8 En1
- 67207 MARULANDA CAICEDO, L. La enfermedad aftosa en el Valle del Cauca. Rev. Agr. y Ganad. 13(135):3-6. Apr. 1951. 9.4 R327
- 67208 MATTHIS, M. H., and CLARK, W. B., JR. Parasites of live stock. No. Amer. Vet. 32:537-539. Aug. 1951. 41.8 N812
- 67209 MAZZUCCHI, M. Vaccination against anthrax with the use of glucosides in the first twenty years of application. (In Italian.) Clin. Vet. 74:109-118. Ref. Apr. 1951. 41.8 C61
- 67210 MENGES, R. W. The histoplasmin skin test in animals. Amer. Vet. Med. Assoc. J. 119:69-71. July 1951. 41.8 Am3
- 67211 MERCADO G., D. El ácido hialurónico y la hialuronidasa. Rev. Mex. de Med. Vet. y Zootec. 5:113-117. Sept./Dec. 1950. 41.8 R3217

- 67212 MINETT, F. C. The use of climatological data for assessing the regional distribution of anthrax in India. *Off. Internatl. des Epiz. B.* 35:266-295. May/June 1951. 41.8 Of2
- 67213 MOON, G. J. H. Anaesthesia. *Austral. Vet. J.* 27:119-125. May 1951. 41.8 Au72
Includes discussion.
- 67214 MORA DÁVILA, N. La producción de vacuna en el país. *Rev. Agr. y Ganad.* 13(134):24,26. Mar.1951. 9.4 R327
For animal diseases in Colombia.
- 67215 MOSER, E. Leitfaden der huf- und klauenkrankheiten. Ed. 2, rev.; ed. by M. Westhues. Stuttgart, Enke, 1950. 293 p. 41 M853
- 67216 NANDA, P. N. The development of veterinary aid in India during the past two decades. *Indian Farming* 11:270-276. July 1950. 22 In283
- 67217 NORWAY. LAWS, STATUTES, ETC. Lov om veterinærer m. v. Instrukser for fylkesveterinærer, distriktsveterinærer og andre veterinærer m. v. Reglement for det veterinærmedisinske rettsråd. Lov om foranstaltninger mod smittsomme husdyrsygdomme [Law on veterinarians, etc. Instructions for county veterinarians, district veterinarians and other veterinarians. Regulations for the Veterinary Medical Board. Law on measures for the prevention of infectious livestock diseases]. Oslo, Grøndahl, 1950. 42 p. 41.5 N832
- 67218 PALS, C. H. The U.S.D.A. veterinarian and public health. *Iowa State Col. Vet.* 13:150-154. 1951. 41.8 V6425
Work of veterinarians in Bureau of Animal Industry.
- 67219 PARNAS, J. On the developmental stages of domesticated animals from the point of view of immunology. (In Polish.) *Med. Veter.* 7:217-221. Apr.1951. 41.8 M463
- 67220 PILZ, T. La vitamina B 12 y su importancia en medicina veterinaria. *Asoc. Argentina Criadores de Cerdos. Rev.* 30(346):17-18,23. June 1951. 46.9 As5
- 67221 PRAWOCHENSKI, R. On the nature of viruses and bacteria—views and response to J. Dołguszyń's article in *Przegląd Hodowlany* 9-10, 1950. (In Polish.) *Med. Weter.* 7:179-180. Mar.1951. 41.8 M463
- 67222 RAMON, G. The future of antitoxin and vaccine sera in relation to antibiotics. (In Italian.) *Zooprofilassi* 6:193-197. May 1951. 41.8 Z72
- 67223 RAMON, G. Die Grundlagen der immunisierungs- und impfmethoden; allgemeine und kritische betrachtungen. *Monatsh. f. Vetmed.* 6:238-244. (To be cont.) June 15, 1951. 41.8 M742
Also in *Wien. Tierärztl. Monatsschr.* 38:385-401. (To be cont.) June 1951. 41.8 T345
- 67224 RAVAIOLI, L., and NEGRI, R. In vitro experiments on the action of chloromycetine on the vaccinia virus, the foot and mouth disease and the rabies virus. (In Italian.) *Ist. Super. di Sanit. Rend.* 13:546-554. 1950. 449.9 R66
English summary.
- 67225 REMLINGER, P. La disparition de la rage en France et son incidence sur la pratique de la vaccination antirabique. *Inst. Pasteur d'Algérie. Arch.* 29:1-7. Mar.1951. 448.3 In7A
- 67226 RUBINSTEIN, G. R. The problem of heredity in tuberculosis. (In Polish.) *Med. Weter.* 7:159-163. Mar.1951. 41.8 M463
- 67227 RUNGE, S. Investigations of the veterinary surgeon E. Land on the nature of the bacterial cell. (In Polish.) *Med. Weter.* 7:180-181. Mar.1951. 41.8 M463
- 67228 RUST, J. H. Genetic, embryologic, and neonatal problems related to ionizing radiations of interest to veterinarians. *Amer. Vet. Med. Assoc. J.* 119:103-107. Ref. Aug.1951. 41.8 Am3
- 67229 RUST, J. H. Some clinical aspects and therapy of the acute radiation syndrome of veterinary clinicians. *Amer. Vet. Med. Assoc. J.* 119:44-45. Ref. July 1951. 41.8 Am3
- 67230 SAN AGUSTIN, F., and PORTUGAL, N. C. Concentration of tetanus toxin and antitoxin; a preliminary report. *Philippine J. Anim. Indus.* 10:349-355. Ref. Fourth Q.1949, pub.1951. 49.9 P53P
- 67231 SCHANG, P. J. Prevenga a su ganado de la aftosa. *Mensajero Agr.* 55/56:35-36. 1950. 9.8 M52
- 67232 SCHMID, G. Die veterinärmedizin im dienste des landes. (Extr.) *Schweiz. Bauer* 105(68):3. June 15, 1951. 17 Sch95
- 67233 SCHMIDT, B. In Deutschland vorkommende Leptospirosen. *Umschau* 51:404. July 1, 1951. 474 Um7
In domestic animals.
- 67234 SCHMIDT, J. Über das vorkommen der akropachie beim tier. *Tierärztl. Umschau* 6:229-230. July 1951. 41.8 T445
- 67235 SEDDON, H. R. Diseases of domestic animals in Australia. I. Helminth infestations. *Austral. Div. Vet. Hyg. Serv.* P.5,223 p. 1950. 41.9 Au75
- 67236 SINGAPORE. VETERINARY DEPT. Report, 1949, by R. A. Wright. Singapore, 1950. 29 p. 41.9 S162
- 67237 SLOSS, M. W. Women in veterinary medicine. *Iowa Vet.* 22(4):12-13. July/Aug.1951. 41.8 Io9
- 67238 SMITH, H. W., and BUXTON, A. Isolation of salmonellae from faeces of domestic animals. *Brit. Med. J.* 4721:1478-1483. Ref. June 30, 1951. 448.8 B77
- 67239 SOKOLOWSKYJ, W. Torsio-geburts-gabel nach Caemmerer und Kalchschmidt'scher Torsionshaken. *Tierärztl. Umschau* 6:206-209. June 1951. 41.8 T445
- 67240 SOLIMAN, K. N. Observations on the orientation of certain lungworms in the respiratory tracts and on their feeding habits. *Brit. Vet. J.* 107:274-278. June . 1951. 41.8 V643
Dictyocaulus viviparus from cattle, *D. filaria* from sheep, and *Metastrongylus apri* from swine.
- 67241 STABLEFORTH, A. W. Mortality and morbidity data in Britain. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:219-225. 1951. 49.9 Un3R
- 67242 STANSKI, F. Methods of combating some infectious and invasive diseases of animals. (In Polish.) *Med. Veter.* 7:229-230. Apr.1951. 41.8 M463
- 67243 TASKIEWICZ, G. New data on botulismus. (In Polish.) *Med. Weter.* 7:181-184. Ref. Mar.1951. 41.8 M463
- 67244 STEELE, J. H., and EMIK, L. O. Estimates of the true number of human brucellosis cases in the United States, 1949. *CDC Bulletin* 10(2):20-22. Feb.1951. 151.65 C12
- 67245 STEELE, J. H. Veterinary public health activities of the Public Health Service. *Mil. Surg.* 108:486-490. June 1951. 448.8 M59
- 67246 STRZELECKI, B. Cases of poisonings in animals. (In Polish.) *Med. Veter.* 7:245. Apr.1951. 41.8 M463
- 67247 SULZEN, L. Zur kohletherapie in der kleintierpraxis. *Tierärztl. Umschau* 6:248-249. July 1951. 41.8 T445
- 67248 THOMAS, J. L. Diseases of animals law. *London, Police Rev. Pub.*, 1951. 96 p. 41.5 T36
- 67249 UBERTINI, B. Observations and studies on the foot-and-mouth disease viruses that have ravaged the Po Valley during the past ten years. (In Italian.) *Clin. Vet.* 74:97-108. Apr.1951. 41.8 C61
- 67250 U. S. BUR. OF ANIMAL INDUSTRY. Defense against foreign animal diseases. *U. S. D. A. PA-167,9 p.* May 1951. 1 Ag84Pro
- 67251 U. S. DEPT. OF AGRICULTURE. Index-catalogue of medical and veterinary zoology. 13. Authors: R to Rzóska, by A. Hassall, M. A. Doss, J. M. Humphrey, and D. H. Ray. Washington, 1951. p.4055-4348. 1 An5Ind
- 67252 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON BIOLOGICALS AND PHARMACEUTICALS. Report. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:272-275. 1951. 49.9 Un3R
S. F. Scheidy, chairman.
- 67253 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON FOOT-AND-MOUTH DISEASE. Report. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:44-47. 1951. 49.9 Un3R
H. F. Wilking, chairman.
- 67254 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON LAWS AND REGULATIONS. Report. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:290-296. 1951. 49.9 Un3R
H. U. Garrett, chairman.
- 67255 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON MORBIDITY AND MORTALITY. Report. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:226-233. 1951. 49.9 Un3R
C. R. Schroeder, chairman.
- 67256 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON PARASITIC DISEASES. Report. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:254-258. 1951. 49.9 Un3R
B. Schwartz, chairman.
- 67257 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON RABIES. Report. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:216-218. 1951. 49.9 Un3R
A. L. Brueckner, chairman.

- 67258 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON TUBERCULOSIS. Report. U. S. Livestock Sanit. Assoc. Proc. (1950)54:126-131. 1951. 49.9 Un3R
- I. G. Howe, chairman.
- 67259 VERWEY, W. F., HARRINGTON, N. H., and MATT, C. Factors influencing the properties of desiccated *Brucella abortus* vaccine. U. S. Livestock Sanit. Assoc. Proc. (1950)54:65-71. 1951. 49.9 Un3R
- 67260 VETERINARY science—a part of the natural science—connected with the base or superstructure? Med. Weter. 7:155-159. Mar. 1951. 41.8 M463
- From discussions at the First Polish Science Congress.
- 67261 VIVIAN, R. P. The veterinarian and public health. Canad. J. Compar. Med. 15:137-141. June 1951. 41.8 C162
- 67262 WEBER. Ueber blitzschädigungen bei tieren. Grüne 79:366-371. Mar. 30, 1951. 17 Sch9
- 67263 WEBER, E. Die mathematisch-statistische beurteilung von behandlungserfolgen. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:116-119. June 1951. 41.8 B45
- 67264 WENDT, VON, and MÜLLER-LENHARTZ. Die physiologischen grundlagen der milchsekretion; zur allgemeinen physiologie der drüsentätigkeit. Tierärztl. Umschau 6:212-213. June 1951. 41.8 T445
- 67265 WETZEL, R. Verbesserte McMaster-Kammer zum auszählen von wurmeiern. Tierärztl. Umschau 6: 209-210. June 1951. 41.8 T445
- 67266 WHAT veterinarians should know about biological warfare. Amer. Vet. Med. Assoc. J. 119:37-40. July 1951. 41.8 Am3
- Article prepared by the executive committee of the American Veterinary Medical Association Emergency Committee.
- 67267 WILLE, R. Die kehrseite der derzeitigen tuberkulosebekämpfung. Tierärztl. Umschau 6:217-218. June 1951. 41.8 T445
- 67268 WINTER, A. Report on brucellosis eradication project. U. S. Livestock Sanit. Assoc. Proc. (1950)54:78-80. 1951. 49.9 Un3R
- 67269 WITTICH, F. W. Animal allergy. Iowa State Col. Vet. 13:141-145. Ref. 1951. 41.8 V6425
- 67270 WRIGHT, N. Plants poisonous to livestock. I. Canad. Cattlemen 14(6):16-17. June 1951. 49 C16
- 67271 YOCKNEY, G. L. The sulphonamides in veterinary practice. Austral. Vet. J. 27:88-93. Ref. Apr. 1951. 41.8 Au72
- Includes discussion.
- 67272 YOHE, R. S. Brucellosis laws. Prairie Farmer, Ill. Ed. 123(4):18-19. July 21, 1951. 6 P883B
- MISCELLANEOUS**
- 67273 ANADON PINTO, R. La ganadería leridana en la Feria del Campo. Lérida Ganad. (ser.3)123:16-17. Jan. 1951. 41.8 L56
- 67274 BERESFORD, R. Livestock extension work—past, present, and future. Washington? U. S. Ext. Serv., 1951. 6 p. 1.913 A4L75
- Talk at the annual meeting of the American Society of Animal Production, Chicago, Nov. 24, 1950.
- 67275 CASA-PACHECO, MARQUES DE. El aumento de la ganadería. Ganadería [Madrid] 9:111. Mar. 1951. 49 G15
- Spain.
- 67276 CHRISTIAN, W. E., JR. New regulations cover slaughtering of livestock. Miss. Farm Res. [Miss. Sta.] 14(4):2,8. Apr. 1951. 100 M69M1
- 67277 DEYOE, G. P. Vo-ag teachers approve changes as FFA [livestock] contests are modernized. Better Farming Methods 23(8):10,12. Aug. 1951. 58.8 B46
- 67278 ESPESO DEL POZO, G. La epopeya de España en América; apuntes de economía agropecuaria. Ganadería [Madrid] 9:178-181. Apr. 1951. 49 G15
- 67279 ESTEBAN, M. Sevilla, su ganado y su feria. Cooperación [Madrid] 111:14-15. May 1951. 280.28 C7875
- 67280 HIGGS, C. Impressions of the Royal Counties Show. Country Life [London] 109:2038-2039. June 29, 1951. 80 C83
- Livestock.
- 67281 IGLESIAS SELGAS, C. Estado de la ganadería en la Provincia de Cáceres. Ganadería [Madrid] 9:112-115. Mar. 1951. 49 G15
- 67282 JANOWSKI, B. Nutrition, housing and management of the animal as formative factors of its organism. (In Polish.) Med. Weter. 7:198-201. Mar. 1951. 41.8 M463
- 67283 LARSSON, S., and others. Husdjurlära. Del II. Näringslära, fodermedeln, utfodring, vård [Animal husbandry manual. Part II. Nutrition, feed, feeding, care]. Ed. 18, rev. Stockholm, LT:s Förlag, 1951. 410 p. 40 H95
- N. Olsson, F. Jarl and N. E. Olofsson, joint authors.
- 67284 LEROY, A. M. Élevage rationnel des animaux domestiques (zootechnie générale). Paris, Hachette, 1951. 448 p. (Encyclopédie des Connaissances Agricoles) 40 L56
- 67285 NANDA, P. N. Regionalization of animal husbandry research in India. Indian Farming 11:221-222. June 1950. 22 In283
- 67286 NAPRSTEK, J. The evolution of legal regulations about the animal production. (In Czech.) Českoslov. Akad. Zeměděl. Věst. 25:23-30. Apr. 1951. 19.5 C332
- 67287 OBÉE, H. Neue wege in der tierbeurteilung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:764-765. May 24, 1951. 18 L2346
- 67288 PARKIN, M. Grand champion youth. West. Livestock J. 29(32):40,125,129. May 15, 1951. 6 F2278
- The Intermountain Junior Fat Stock Show and its judging methods.
- 67289 QUITTET, E. A propos d'une méthode de jugement des animaux dans les concours. France. Min. de l'Agr. B. Tech. d'Inform. 1951:249-253. Apr. 1951. 14 F844B
- 67290 SHEPHERD, H. E. A basic abattoir plan. 1-2. Natl. Provisioner 125(1):13-15, 17-18, 20(2):16-17, 19, 30. July 7-14, 1951. 286.85 N21
- 67291 SHUBSKII, I. A problem which requires careful study. (In Russian.) Miasnaia Indus. SSSR. 21(6):54-57. Nov./Dec. 1950. 50.8 M58
- To prevent weight losses of livestock before slaughtering.
- 67292 SNYDER, H. N. A little negligence—a big loss; strict observance of sound management practices can prevent important livestock losses. Shorthorn World 36 (9):7,49. July 25, 1951. 43.8 Sh8
- 67293 TORREIRO, R. Preparando productos para exposición. Pampa Argentina 24(279):24-25. Mar. 1951. 9 P19
- Livestock shows in Argentina.
- 67294 U. S. BUR. OF ANIMAL INDUSTRY. More meat for defense; methods of obtaining more efficient livestock production. U. S. D. A. PA-156, 21 p. Apr. 1951. 1 Ag84Pro
- 67295 VEZZANI, V. Relazione sul funzionamento dell'Istituto Zootecnico e Caseario per il Piemonte per l'anno 1949 [Report on the activities of the Livestock and Cheese Manufacturing Institute for Piedmont, for the year 1949]. Chieri, Astesano, 1950. 41 p. 49.9 Is72
- 67296 WEBER. Tierhaltung und tierzucht in Berlin. Tierzüchter 3:309-310. June 5, 1951. 49 T445
- 67297 ZEETTI, R. Veterinary medicine in Turkey. (In Italian.) Zooprofilassi 6:120-123. Mar. 1951. 41.8 Z72
- CATTLE**
- Breeds and Breeding**
- 67298 ALBRECHTSEN, R. Production results of three generations of artificial breeding and of the use of analyzed sires. (Abs.) J. Dairy Sci. 34:513-514. June 1951. 44.8 J822
- 67299 ALLIX, J. Les races françaises et la production laitière. Amélioration de la qualité du lait. (Abs.) Cahiers de Méd. Vét. 20:44. Mar./Apr. 1951. 41.8 C11
- 67300 ALMQUIST, J. O., and THACKER, D. L. The fertility of bovine semen in diluters containing varying amounts of egg yolk. (Abs.) J. Dairy Sci. 34:491. June 1951. 44.8 J822
- 67301 AMERICAN GUERNSEY CATTLE CLUB. The performance register of the American Guernsey Cattle Club, v. 4. Data from January 1, 1950 to January 1, 1951. n.p., 1951. 592 p. 43.9 Am33P
- 67302 ANDERSON, A. Those black commercial cattle. West. Livestock Rptr. 11(44):3. July 4, 1951. 286.85 W523
- 67303 ANDERSON, H. W., and NEASHAM, E. W. Artificial breeding in Louisiana. La. Agr. Col. Ext. P. 1086, 12 p. Feb. 1951. 275.29 L93Ep
- Dairy cattle.
- 67304 BALDWIN, C. S., GILMORE, L. O., and RIFE, D. C. Sex-influenced color inheritance in cattle. (Abs.) J. Dairy Sci. 34:489. June 1951. 44.8 J822

- 67305 BARLOW, F. S. Judicious matings result in three excellent daughters and one excellent granddaughter. Guernsey Breeders' J. [Peterborough] 82:578-580. June 20, 1951. 43.8 G93
- 67306 BEARDEN, H. J., and SWANSON, E. W. The effect of dead and immotile sperm on the motility and fertility of the stronger sperm in bovine semen. (Abs.) J. Dairy Sci. 34:491. June 1951. 44.8 J822
- 67307 BEFFA, P. Was jeder bauer vom herdebuch-wesen wissen soll. Grüne 79:185-189. Feb. 16, 1951. 17 Sch9
- 67308 BENSON, R. H., TYLER, W. J., and HYATT, G., JR. Some causes of variation in type ratings of Ayrshire cows. (Abs.) J. Dairy Sci. 34:502-503. June 1951. 44.8 J822
- 67309 BERTHELON, M. Diagnostic étiologique de la stérilité de la vache. Rev. de Méd. Vét. [Toulouse] 101:596-614. Dec. 1950. 41.8 R32
- 67310 BIGGAR, H. H. The cattleman of today. Amer. Hereford J. 42(5):816,818. July 1, 1951. 43.8 Am32
The business of breeding.
- 67311 BONADONNA, T. Raising of the Holstein-Friesian breed. (In Italian.) B. dell'Agr. 85(10):2-4. May 18, 1951. 16 B87
Italy.
- 67312 BRANTON, C., and D'ARENSBOURG, G. Semen production and fructose content of semen as related to controlled levels of sexual excitement of dairy bulls. (Abs.) J. Dairy Sci. 34:490-491. June 1951. 44.8 J822
- 67313 BURSLEY, W. H. The development of the British Friesian. (In Italian.) B. dell'Agr. 85(10):5-6. May 18, 1951. 16 B87
- 67314 BURTON, M. Red Polls have progressed in 4-H Clubs. Red Poll News 15(2):11,51-53. Mar./Apr. 1951. 43.8 R245
- 67315 CAROLIS, V. DE. Control of the milk-producing aptitude of cattle. (In Italian.) Rinascita Agr. 6(7):2. Feb. 1, 1951. 281.8 R47
By breeding and feeding.
- 67316 CHITTENDEN, D. W. Give them a chance to do the job! Bulls cannot contribute to herd improvement in full measure unless provided with opportunity. Amer. Hereford J. 42(5):148. July 1, 1951. 43.8 Am32
- 67317 CLARK, R. T. Research on breeding better beef cattle. Jack Frost Ranches. Bullmanac 1951:39-42. 43.9 J12
- 67318 CONRAD, C. W. Polled cattle preferred. Milking Shorthorn J. 32(7):8. July 1951. 43.8 M59
Selecting a bull.
- 67319 CONSOLINI, A. The German Friesian breed at the Frankfurt fair and in the localities where it is raised. (In Italian.) Voce dei Campi 6(2):2. Jan. 20, 1951. 16 V852
- 67320 CONSOLINI, A. Results of the functioning of the Brown Swiss herd book in the Lombardy mountain areas. (In Italian.) Allevatore 7(15):5. Apr. 15, 1951. 49 AL55
- 67321 COSSETTE, M. Qui peut bénéficier de l'insémination artificielle? B. des Agr. 47(6):8-9,53. June 1951. 7 B872
Dairy cattle.
- 67322 DAVIS, H. P. Reproductive efficiency in a Holstein herd 1897-1950. (Abs.) J. Dairy Sci. 34:495. June 1951. 44.8 J822
- 67323 DEIBL, P. W. Der Verband Waldviertler Blondviehzüchter. Landwirtschaft 1951:204-206. June/July 1951. 19 L235
- 67324 DELAGE, J. La sélection du bétail laitier. Bétail & Basse-Cour 6(spec.no.):35-37,39. 1951. 49 B462
- 67325 DOMINGUES, O. The good bull. (In Portuguese.) Seleg. Agr. 6(61):25-26. May 1951. 9.2 Se4
- 67326 DÜRRWAECHTER, L. Gegenwartsfragen in der bayerischen tierzucht. Landwirt. Jahrb. f. Bayern 28(spec.no.):125-147. Apr. 1951. 18 L24
Cattle breeding and feeding.
- 67327 EDWARDS, J. Artificial insemination continues to make rapid progress in Great Britain. New Zeal. Dairy Exporter 26(12):78-79. June 1, 1951. 44.8 N484
Cattle.
- 67328 ELLIOT, A. T. Zebu hybrids in Australia. Zebu J. 2(11):12-13,25. Apr. 1951. 43.8 Z12
- 67329 ENGELER, W. The work of selection in the great dairy cattle breeds; Holstein-Friesian, Brown Swiss. (In Italian.) Allevatore 7(15):3. Apr. 15, 1951. 49 AL55
- 67330 ENSMINGER, M. E. What does it take to make a great Hereford herd great? Amer. Hereford J. 42(5):98-99. July 1, 1951. 43.8 Am32
- 67331 ERB, R. E., and MORRISON, R. A. Artificial breeding of dairy cattle. Wash. State Col. Ext. B. 331, 12 p. May 1951. 275.29 W27P
- 67332 FECHHEIMER, N. S., LUDWICK, T. M., and ELY, F. A method for the intrauterine insemination of cows. (Abs.) J. Dairy Sci. 34:497. June 1951. 44.8 J822
- 67333 FINLAY, G. F. Breeders should study basic principles of genetics. Queensland Prod. 32(36):6-7. Mar. 7, 1951. 23 Q35
Dairy cattle breeding.
- 67334 FOHRMAN, M. H. North central and southern dairy cattle breeding research projects under the Research and Marketing Act. (Abs.) J. Dairy Sci. 34:513. June 1951. 44.8 J822
- 67335 FOHRMAN, M. H., and MCDOWELL, R. E. Progress report on Red Sindh crossbreeding. (Abs.) J. Dairy Sci. 34:489. June 1951. 44.8 J822
- 67336 FOOTE, R. H., HENDERSON, C. R., and BRATTON, R. W. Some biases to consider in measuring fertility in artificial insemination. (Abs.) J. Dairy Sci. 34:490. June 1951. 44.8 J822
- 67337 FRYE, J. B., JR. Review of artificial breeding programs in the Southern States. (Abs.) J. Dairy Sci. 34:513. June 1951. 44.8 J822
- 67338 GAMMON, B. O. A half-century of Polled Herefords. Amer. Hereford J. 42(5):503-504. July 1, 1951. 43.8 Am32
- 67339 GAY, C. W. High expectations? You can make them come true with a stock farm and good Herefords. Amer. Hereford J. 42(5):102-103,872,874. July 1, 1951. 43.8 Am32
- 67340 GOULD, G. N. Infertility in the bovine. Guernsey Breeders' J. [London] (n.s.)5(2):26,28,30. Summer 1951. 43.8 G932
- 67341 GRAMLICH, H. J. The right start, the right bull and you're well on your way to success. Amer. Hereford J. 42(5):142,908-909. July 1, 1951. 43.8 Am32
- 67342 GUTTRIDGE, S. Answer in Angus. West. Livestock J. 29(38):108,110-111,114-115. June 15, 1951. 6 F2278
- 67343 HAMLEN, F. Are cows people? Milking Shorthorn J. 32(6):1,48. June 1951. 43.8 M59
- 67344 HAYS, R. L., and VANDEMARK, N. L. Stimulatory action of breeding on the release of oxytocin as measured by intramammary pressure. (Abs.) J. Dairy Sci. 34:496-497. June 1951. 44.8 J822
- 67345 THE HERD bull problem; Hereford breeders in Missouri, Louisiana, Colorado, Nebraska, Kansas, Florida, Iowa, Oregon, Maine, Texas, Utah, Mississippi, West Virginia tell how they go about reaching a solution of the toughest assignment in their operations. Amer. Hereford J. 42(5):176,178,775-776,778,780,782,784,786,790,792-794,796-798,800,802,804-807. July 1, 1951. 43.8 Am32
Short articles on herd bull selection, pedigree, breeding, care, etc., by W. F. Winzer, H. E. Pastorius, Jr., T. B. Field, J. Watt, G. Dudley, W. S. Miller, O. Fulscher, T. Griswold, P. H. Midyette, R. P. Peterson, L. W. Herman, W. P. Hubbard, D. L. Kay, R. W. Mousel, R. A. Halbert, J. Trenfield, E. O. Johnson, C. M. Brown, and G. A. Davis.
- 67346 HERNANDEZ ROA, A. Colombia's "black-eared white" cattle; more about this curious breed of cattle, found only in the South American country of Colombia and possessing unusual qualities. Zebu J. 2(9):18-19. Feb. 1951. 43.8 Z12
- 67347 HERNANDEZ ROA, A. Morphological characteristics of four Bos indicus breeds; definition of characteristics of the Indu-Brazil, Gir, Guzerat and Nelore Bos indicus breeds, as established by the Sociedade Rural do Triangulo Mineiro, Uberaba, Minas Gerais, Brazil. Zebu J. 2(9):20-21,48. Feb. 1951. 43.8 Z12
- 67348 HEWETSON, R. W. Sterility in cattle. Queensland Agr. J. 72:288-304. May 1951. 23 Q35
- 67349 HEYWOOD, R. H. Pedigree cattle for Australia. Meat Prod. & Exporter 5(4):6-7. Apr. 1951. 286.3509 Au7M
- 67350 HOLSTEIN-FRIESIAN ASSOCIATION OF CANADA. Holstein-Friesian herd book, containing a record of all Holstein-Friesian cattle approved and admitted for registry during the year 1950, v. 55. Brantford, Ontario, 1951. various paging. 43.9 H743
- 67351 HORN, P. W. What Polled Herefords owe Anxiety 4th. Jack Frost Ranches. Bullmanac 1951:14-15. 43.9 J12
- 67352 HURST, V. The storage of egg yolk-sodium citrate semen diluter. (Abs.) J. Dairy Sci. 34:490. June 1951. 44.8 J822
- 67353 HUTCHINSON, J. A lot of milk and a good cow. Farmers Wk. [London] 34(25):53. June 22, 1951. 10 F2226
Home breeding of dairy cattle replacements.

- 67354 HUTCHINSON, J. 900 stores a year is the production aim at Great Glen, Fort William, Inverness-shire, where the special problems include reclamation of virgin land to provide winter keep and the use of breeding cows specially selected to withstand rigorous climatic conditions. *Farmers Wk.* [London] 34(20):52-53. May 18, 1951. 10 F2226
- 67355 THE INHERITANCE of colour in the milk of Guernsey cattle. *Guernsey Breeders' J.* [London] (n.s.) 5 (2):33. Summer 1951. 43.8 G932
Article based on work at the New Jersey Agricultural Experiment Station.
- 67356 JOHNSON, A. R. Demand for Polled Herefords in Herefordshire, England. *Polled Hereford World* 5(7):4. July 1951. 43.8 P76
- 67357 JOHNSON, C. W. The origin and domestication of *Bos indicus*. *Cattleman* 38(2):17-18, 41-42, 44, 46, 48, 50, 53. Ref. July 1951. 49 C29
Comparison with *Bos taurus*.
- 67358 KENDRICK, J. F. Temporary revision of proved sire program. (Abs.) *J. Dairy Sci.* 34:513. June 1951. 44.8 J822
- 67359 KIRCHER, W. H. Dairydom's Madam X's. *Farmer* [St. Paul] Gen. Ed. 69(11):1, 14-15. June 2, 1951. 6 F2211
Crossbreeding dairy cattle.
- 67360 KNOPFF, Vorschau auf die ausstellung der Westfälischen Herdbuchgesellschaft auf der DLG-schau. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:773. May 24, 1951. 18 L2346
- 67361 KÖNIG, K. Die wiege der allgäuer braunvieh-zucht. *Tierzüchter* 3:341-344. June 20, 1951. 49 T445
- 67362 LASSELAINE, H. Les concours de la race bovine Normande. *Bétail & Basse-Cour* 6(spec.no.):81, 83, 85-87. 1951. 49 B462
- 67363 LAZEAR, R. W. There's adventure in riding a Hereford pasture. *Amer. Hereford J.* 42(5):124-126, 894-895. July 1, 1951. 43.8 Am32
- 67364 LEFEVRE, J. Les activités du Herd-Book Normand. *Bétail & Basse-Cour* 6(spec.no.):58-70. 1951. 49 B462
- 67365 LEFEVRE, J. Les conseils du Herd-Book Normand pour la sélection. *Reconstruire* (n.s.) 5(16):4. Apr. 20, 1951. 14 R24
- 67366 LENTER, Die zucht des Rotbunten rindes in Westfalen. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:886-887. June 14, 1951. 18 L2346
- 67367 LEROY, A. M. L'avenir de la race bovine Normande. *Bétail & Basse-Cour* 6(spec.no.):8-9. 1951. 49 B462
- 67368 LÉTARD, Influence de l'hérédité et du milieu. (Abs.) *Cahiers de Méd. Vét.* 20:42-43. Mar./Apr. 1951. 41.8 C11
Milk production.
- 67369 MCCANN, L. P. They're Herefords wherever you find 'em; a visit to the cattle country of old Mexico is filled with interest as well as pleasure. *Amer. Hereford J.* 42(6):8-9, 52-53. July 15, 1951. 43.8 Am32
- 67370 MCCULLOUGH, M., SEATH, D. M., and OLDS, D. The repeatability and effect of age on yearly breeding efficiency of sires used in artificial breeding. *J. Dairy Sci.* 34:548-553. June 1951. 44.8 J822
- 67371 MCLEAN, G. D. Mexico; a country with a future for Jerseys. *Canad. Jersey Breeder* 6(5):13, 36-37. May 1951. 43.8 C165
- 67372 MAHLER, D., and SCHULTZE, A. B. Metabolic response of bovine semen to sodium arsenite. (Abs.) *J. Dairy Sci.* 34:491. June 1951. 44.8 J822
- 67373 MANN, D. H. Bull grading pays off. *Utah Farmer* 71:507, 534. June 21, 1951. 6 D45
- 67374 MANN, I., JR. Horizons unlimited for the man who really likes Herefords. *Amer. Hereford J.* 42(5):95-97. July 1, 1951. 43.8 Am32
- 67375 MARION, G. B., and SMITH, V. R. The effect of administering an unfractionated gonadotrophic pituitary extract during estrus on the time of ovulation and length of the estral period of dairy heifers. (Abs.) *J. Dairy Sci.* 34:496. June 1951. 44.8 J822
- 67376 MARTIN, R. G. Cuban Zebu herds impress PAZA officials. *Zebu J.* 2(9):12-14, 52-55. Feb. 1951. 43.8 Z12
Pan American Zebu Association.
- 67377 MARTIN, R. G. From California to Camaguey; PAZA progressively reclassifies American Brahman cattle herds. *Zebu J.* 2(9):6-8, 57-59. Feb. 1951. 43.8 Z12
Work of Pan American Zebu Association.
- 67378 MEAD, S. W. Defective genes—California in-breeding experiment seeks to learn facts on hereditary defects. *West. Dairy J.* 7(9):52-53. July 1951. 44.8 W524
Dairy cattle.
- 67379 MEADOWS, E. Guernsey growth—good leadership forges strong demand for breed. *West. Dairy J.* 7(8):25. June 1, 1951. 44.8 W524
- 67380 MELROSE, D. R., and TERNER, C. The influence of 2:4-dinitrophenol on the Pasteur effect in bull spermatozoa. *Biochem. J.* 49:i-ii. June 1951. 382 B52
- 67381 MERCURI, S. The Maremmana cattle breed in the judging of a traditional review. (In Italian.) *Glor. di Agr.* 61:150. May 13, 1951. 16 It1G
- 67382 MERKEL, H. Rinderbesamung im ausland und in Deutschland. *Landwirtbl. Weser-Ems* 98:411-412. May 10, 1951. 18 L2345
- 67383 MESCHINI, C. Arezzo, May 26-27, 1951: XXVIII exposition of bulls and bullocks of the Chianina breed. (In Italian.) *Mondo Agr.* 2(22):4, 8. June 3, 1951. 16 M74
- 67384 MONTARCO, CONDE DE. La raza morucha. *Ganaderia* [Madrid] 9:169-170. Apr. 1951. 49 G15
- 67385 MONTGOMERY, G. A. Como saber si sera' buen toro un ternero. *Rev. Ganad.* [Habana] 11(7):15-16. July 1951. 49 R321
- 67386 MURRIEL, A. C., and GONZAGA, A. C. The influence of penicillin and streptomycin on the preservation of semen of the bull. *Philippine J. Anim. Indus.* 10:339-348. Fourth Q. 1949, pub. 1951. 49.9 P53P
- 67387 NICHOLS, M. B. Potent sires—keep bulls in top breeding condition with proper care. *West. Dairy J.* 7(9):55-56. July 1951. 44.8 W524
- 67388 OBRITZHAUSER, W. Die entstehung des Murbodner rindes unter berücksichtigung des urzuchtgebietes und des wirtschaftswertes dieser rasse. *Bodenkultur* 5:101-106. Ref. 1951. 19 B635
- 67389 OLDS, D. The artificial insemination of dairy cattle. *Amer. Vet. Med. Assoc. J.* 119:55-60. Ref. July 1951. 41.8 Am3
- 67390 OLIVEIRA, J. P. DE. Thanks to Zebu blood we have cheap meat and milk. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(366):30-31. May 1951. 9.2 B733
- 67391 OLSON, H. H., and PETERSEN, W. E. Uniformity of semen production and behavior in monozygous triplet bulls. (Abs.) *J. Dairy Sci.* 34:489-490. June 1951. 44.8 J822
- 67392 OUR HEREFORD heritage. *Amer. Hereford J.* 42(5):91-92, 886, 888-889. July 1, 1951. 43.8 Am32
- 67393 PARKER, E., and PARKER, A. What the overseas buyer wants—advice to Red Poll Breeders. *J. Red Poll Breed* 27(99):54-55. Spring 1951. 43.8 J82
- 67394 PARTIN, H. O. Brahmans playing important role in increasing beef production. *Cattleman* 38(2):19. July 1951. 49 C29
- 67395 PASSERINI, C. The raising of the Brown Swiss breed. (In Italian.) *B. dell'Agr.* 85(10):6-7. May 18, 1951. 16 B87
Italy.
- 67396 PICKARD, G. C., and TYLER, W. J. Heritability of the percentage of white hair area in Ayrshires. (Abs.) *J. Dairy Sci.* 34:489. June 1951. 44.8 J822
- 67397 POZO PELAYO, C. DEL. La selección en Suiza. II. *Ganaderia* [Madrid] 9:99-102. Mar. 1951. 49 G15
Cattle.
- 67398 QUITTET, E. La race bovine Normande et l'insémination artificielle. *Bétail & Basse-Cour* 6(spec.no.):71-73. 1951. 49 B462
- 67399 RAY, M. L., and BROWN, C. J. Will your next herd sire be performance tested? Fast gaining bulls sire fast gaining calves. *Ark. Farmer* 53(7):8-9. July 1951. 6 Ar42
Feed-lot tests for beef bulls.
- 67400 REECE, R. P. A comparison of the effectiveness of estrogens in inducing estrus in dairy cattle. (Abs.) *J. Dairy Sci.* 34:495. June 1951. 44.8 J822
- 67401 REID, J. T., and others. Progress report on an experiment to determine the effects of feeding during early life upon subsequent productive and reproductive performance of dairy cattle. (Abs.) *J. Dairy Sci.* 34:510. June 1951. 44.8 J822
G. W. Trimberger, S. A. Asdell, K. L. Turk, and S. E. Smith, joint authors.
- 67402 RHOAD, A. O. The Santa Gertrudis; some recent developments in the science of animal breeding pertinent to the problem of breed improvement. *Zebu J.* 2(11):6, 8, 20-24. Apr. 1951. 43.8 Z12

- 67403 RHODE, C. S. Why breed purebreds? *Brown Swiss B.* 30:11-12. July 1951. 43.8 B81
- 67404 RICE, V. A. Yardstick for bulls! Regression is not a law of nature. *Guernsey Breeders' J.* [Peterborough] 82:710-712. July 4, 1951. 43.8 G93
- 67405 RICKARD, J. A. Introducing the beefmaster; careful crossbreeding has resulted in a promising strain of cattle. *Farm & Ranch—South. Agr. Upper So. Ed.* 81: (7):14. July 1951. 6 T31
- 67406 RIGOR, T. V., and ROBLES, M. M. The Ayrshire and grade Ayrshire in Alabang. *Philippine J. Anim. Indus.* 10:389-401. Ref. Fourth Q., 1949, pub. 1951. 49.9 P53P
- 67407 RINGLER. Die hauptkörnungen 1951 im landkreis markt Oberdorf. *Allgäuer Bauernbl.* 19:314-315. June 7, 1951. 18 AL53
- Cattle.
- 67408 ROBERTSON, A., and ASKER, A. A. The genetic history and breed-structure of British Friesian cattle. *Empire J. Expt. Agr.* 19:113-130. Apr. 1951. 10 Em7
- 67409 ROBERTSON, B. Sires that made good when the opportunity beckoned; bulls rescued from oblivion have contributed notably to breed's history—such possibilities offer constant challenge to Hereford breeders everywhere. *Amer. Hereford J.* 42(5):630,632,634,636, 638,644. July 1, 1951. 43.8 Am32
- 67410 ROF CODINA, J. Como se ha logrado formar la raza bovina Gallega Rubia mejorada. II. *Agr. Venezol.* 15(150):27-29. Ref. Mar./Apr. 1951. 9.95 Ag8
- 67411 ROF CODINA, J. Mejora de la raza vacuna Gallega Rubia. II. Los primeros estudios zoométricos realizados en los concursos. *B. de Divulg. Ganad. [Ciudad Real]* 6(58/60):24-29. Ref. Jan./Mar. 1951. 49.9 Sp14
- 67412 ROLLINSON, D. H. L. Studies on the abnormal spermatozoa of bull semen. II. *Brit. Vet. J.* 107:258-273. (To be cont.) June 1951. 41.8 V643
- 67413 SALISBURY, G. W., and BRATTON, R. W. A factor contributed by the male resulting in early bovine embryonic mortality. (Abs.) *J. Dairy Sci.* 34:488. June 1951. 44.8 J822
- 67414 SCHMEHL. Die "Westfälische Herdbuchgesellschaft" auf der DLG-Ausstellung. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:926-927. June 21, 1951. 18 L2346
- 67415 SCHREIBER, J. Über die zuchttauglichkeit der bullen. *Tierärztl. Umschau* 6:255-256. July 1951. 41.8 T445
- 67416 SCIUCHETTI. The Brown Swiss breed. (In Italian.) *B. dell'Agr.* 85(10):7-8. May 18, 1951. 16 B87
- 67417 SILVA, C. G. DA. Contribution to the study of the Guernsey breed in Brazil. (In Portuguese.) *Rev. Mil. de Remonta e Vet.* 10:1-16. Ref. Jan./June 1950. 41.8 R3219
- 67418 SIVCHIK, B. S. Crossing as a factor of skeleton variability in cattle. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:26-37. 1950. 20 M875
- 67419 SOCIETÀ ITALIANA PER IL PROGRESSO DELLA ZOOTECNICA. Atti del IX convegno sociale, svoltosi presso la camera di commercio, industria ed agricoltura di Bergamo, sul tema "Scelta del toro per le razze da latte", 18 settembre 1949 [Acts of the 9th Congress, held at the Bergamo Chamber of Commerce, Industry, and Agriculture, on the subject "Selection of bulls for dairy breeds," 18 September, 1949]. Bergamo, Cattaneo, 1950. 41 p. 43.9 So15
- 67420 SOMERVILLE, G. C. Breed has no peer in the production of choice beef; the reason for this unsurpassed ability of the Shorthorn lies chiefly in the fact that the breed has been developed for milk capacity along with desired beef characteristics. *Shorthorn World* 36(7):5. June 10, 1951. 43.8 Sh8
- 67421 SPARKMAN, J. The proven merits of classification. *Milking Shorthorn J.* 32(6):41. June 1951. 43.8 M59
- 67422 STEWART, D. L. The effect of streptomycin on the fertility of bull semen. (Abs.) *Vet. Rec.* 63:445. June 30, 1951. 41.8 V641
- 67423 THOMPSON, N. R., and HERVEY, M. C. Prediction value of dairy pedigrees. (Abs.) *J. Dairy Sci.* 34:489. June 1951. 44.8 J822
- 67424 U. S. BUREAU OF DAIRY INDUSTRY. DIV. OF DAIRY HERD IMPROVEMENT INVESTIGATIONS. List of sires proved in dairy-herd-improvement associations, 1951. U. S. D. A. Agr. Handb. 21,218 p. May 1951. 1 Ag84Ah
- 67425 VANDEMARK, N. L., and BOLEY, L. E. Pregnancy interruption and breeding techniques in the artificial insemination of cows. (Abs.) *J. Dairy Sci.* 34:497. June 1951. 44.8 J822
- 67426 VEIGA, J. S., ANDREASI, F., and CHIEFFI, A. Weight development of pedigreed Holstein-Friesian calves at the Campinas Ranch, State of São Paulo. (In Portuguese.) *B. de Indús. Anim. (n.s.)* 11(3/4):31-40. Ref. Dec. 1950. 49 R324
- 67427 WELSH BLACK CATTLE SOCIETY. Welsh Black Cattle herd book, containing pedigrees of Welsh Black cattle compiled and arranged by the committee, v. 38, 1949. Aberystwyth, 1950. 140 p. 43.9 W46
- 67428 WHITCOMB, G. The Brahman in America. *Cattleman* 38(2):22,82-84. July 1951. 49 C29
- 67429 WHITLOCK, R. Field day for Island cattle; Guernseys and Jerseys overshadow other breeds at the Royal Counties Show. *Field* 197:1036-1037. June 30, 1951. 10 F45
- 67430 WILSON, C. Cow families guide destiny of dairy breeds. *Surge News* 1951:2. Spring 1951. 44.8 Su7
- 67431 WINKLER. Leistungserfolge des Pinzgauer Zuchtverbandes für Kärnten und Osttirol. *Kärntner Bauer* 101:340-341. June 15, 1951. 19 K14
- Cattle breeding.
- 67432 WINTERS, L. M. Pattern for herd and breed progress; development of breeder himself sets pace for advances yet to come in field of livestock improvement. *Amer. Hereford J.* 42(5):93-94,876,878,880. July 1, 1951. 43.8 Am32
- 67433 YAPP, W. W., and ST. CLAIR, L. E. A meristic mutation involving teat number in the cow. (Abs.) *J. Dairy Sci.* 34:497. June 1951. 44.8 J822
- 67434 ZELLER, P. Aperçu sur les conditions de l'élevage aux États-Unis. *Tunisie Agr.* 52:41-54,55-66. Mar.-Apr. 1951. 24 T832
- Breeding and nutrition of cattle and sheep.

Feeds and Feeding

- 67435 AINSOUGH, M. I blame this nitrogen for low butterfat. *Dairy Farmer* 24(7):21. July 1951. 44.8 D1414
- 67436 AMSCHLER, J. W., and MEINX, R. Weitere untersuchungen über die mast von jungstieren (baby-beef). *Bodenkultur* 5:76-92. 1951. 19 B635
- 67437 BAILEY, J. W. Rotate that calf pasture. *Hoard's Dairyman* 96:506. June 25, 1951. 44.8 H65
- 67438 BARBEE, J. Y. 4-H Clubs test new idea. *Ext. Serv. Rev.* 22:78. May 1951. 1 Ex892Ex
- Dairy cattle feeding program and breeding by weight and not by age.
- 67439 BARTLEY, E. E., and others. Effects of supplementing dairy cow rations with dehydrated alfalfa. (Abs.) *J. Dairy Sci.* 34:509. June 1951. 44.8 J822
- D. B. Parrish, F. C. Fountaine, and C. H. Whitnah, joint authors.
- 67440 BERNUTH, W. VON. Höchste herdenleistung. *Deut. Landwirt. Presse* 74:87-88. Apr. 7, 1951. 18 D482
- Relation of feeding to milk production.
- 67441 BLOSSER, T. H., and others. The effect of physical state on the utilization of dehydrated alfalfa. (Abs.) *J. Dairy Sci.* 34:492. June 1951. 44.8 J822
- F. R. Murdock, R. E. Erb, and A. O. Shaw, joint authors.
- 67442 BOSCH, S. Gradual transition from stall to pasture. (In Dutch.) *Friesch Landtbl.* 48:229. Apr. 6, 1951. 12 F91
- Dairy cattle.
- 67443 BRUCE, R. Calves fed antibiotics grow faster, are healthier. *Agr. Leaders' Digest* 32(7):14. July 1951. 275.28 Am3
- 67444 CAMPBELL, R. S., GILL, J., and SMITH, L. F. Steers gain on forest range in South Mississippi [Branch Station]. *Miss. Farm Res. [Miss. Sta.]* 14(4):1,8. Apr. 1951. 100 M69Mi
- 67445 CARBONE, E. Influence of silages in the making of Bra cheese. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:577-592. 1951. 16 An76
- English summary.
- 67446 CARDWELL, W. W. Pasture program in beef production on the Lulling Foundation. *Zebu J.* 2(9):34-35, 39. Feb. 1951. 43.8 Z12
- 67447 CASON, J. L., and VOELKER, H. H. The effect of a terramycin supplement on the growth and well-being of dairy calves. (Abs.) *J. Dairy Sci.* 34:501. June 1951. 44.8 J822
- 67448 CASTLE, M. The Dutch have new ideas about electric fencing; 5,000 farmers there use it for "ration-grazing." *Dairy Farmer* 24(7):23. July 1951. 44.8 D1414

- 67449 CRANZ, K. L. Die zweckmässige ernährung der kuhkälber. Unser Milchvieh. Ausg. B/C 3:3. Jan. 1951. 43.8 Un72
- 67450 CRASEMANN, E. Rendement de la production du lait; normes alimentaires de la vache laitière. Ann. de la Nutr. et de l'Aliment. 5:177-193. Ref. 1951. 389.8 An73
Includes discussion.
- 67451 DILLON, M. More about beef. Agr. Ireland 8:137,139-140. June 1951. 10.5 Ag8
Feeding beef cattle.
- 67452 DODD, D. R. Pasture calendar; how to get more milk while feeding less grain. Ohio Farmer 207 (9):14-15. May 5, 1951. 6 Oh3
- 67453 DODD, L. These cows never set foot on pasture, but they get green feed served them in a drylot pasture. West. Dairy J. 7(8):61-62,64. June 1, 1951. 44.8 W524
- 67454 DUCK, R. W. Forage and hay make good beef. Rur. New Yorker 101:428,430. July 7, 1951. 6 R88
- 67455 EATON, H. D., and others. Intravenous and oral administration of an aqueous suspension of carotene to calves depleted of their vitamin A stores. (Abs.) J. Dairy Sci. 34:504. June 1951. 44.8 J822
L. D. Matterson, L. M. Decker, C. F. Helmboldt, and E. L. Jungherr, joint authors.
- 67456 ELLIOTT, R. F., SEATH, D. M., and BASTIN, G. M. Distillers' grain solubles in calf starters. (Abs.) J. Dairy Sci. 34:505. June 1951. 44.8 J822
- 67457 ENGELMANN, L. Rückblick auf die zuckerrübenblattperiode und hinweis für die winterfütterung unter besonderer berücksichtigung des mineralstoffhaushaltes. Kontrollangestellte, p. 3. In Unser Milchvieh. Ausg. B/C 3(1). Jan. 1951. 43.8 Un72
- 67458 ERITSIAN, KH. A. Research on dairy cattle grazing conditions in pastures. (In Russian.) Akad. Nauk Armjanskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:856-860. 1950. 20 Er4
- 67459 FERRANDO, R. Valeur des tourteaux dans l'alimentation laitière. Ann. de la Nutr. et de l'Aliment. 5:231-250. Ref. 1951. 389.8 An73
Includes discussion.
- 67460 FOUTS, K. C. Start right—and keep going—if you want to win; practices and principles which point the way to victory for the junior [4-H] feeder can also lend effective guidance to the junior's elders. Amer. Hereford J. 42(5):280-281. July 1, 1951. 43.8 Am32
- 67461 FUELLEMAN, R. F. Utilization of forages with beef cattle. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.653-665. Ref. Ames, 1951. 60 H87
- 67462 GEDDES, H. J. Value of cud transfers in calf-rearing. Austral. Dairy Rev. 19(4):9. Apr. 2, 1951. 44.8 Au73
- 67463 GORDON, C. H., and others. A comparison of wilted silage and half-dry silage stored in gas-tight silos, and their value as feed for dairy cattle. U. S. Bur. Dairy Indus. BDI-Inf-126,5 p. June 1951. 1.973 D4B34
J. B. Shepherd, H. G. Wiseman, and C. G. Melin, joint authors.
- 67464 HAWKINS, G. E., JR., and others. Manganese, calcium and phosphorus interrelationships in the nutrition of dairy calves. (Abs.) J. Dairy Sci. 34:504-505. June 1951. 44.8 J822
G. H. Wise, W. L. Lott, and G. Matrone, joint authors.
- 67465 HEWETSON, R. W. Feeding requirements of dairy calves. Queensland Agr. J. 72:237-243. Apr. 1951. 23 Q33
- 67466 HILL, O. J. Make milk for calves—sell more whole milk. Washcoegg 28(11):9. Apr. 1951. 47.8 W27
Use of calf milk replacer.
- 67467 HOLMES, W., and others. Studies in grazing management. I-II. J. Agr. Sci. 40:381-402. Ref. Oct. 1950, pub. June 1951. 10 J822
R. Waite, D. L. Fergusson, and J. I. Campbell, joint authors.
- I, A comparison of the production obtained from close-folding and rotational grazing of dairy cows; II, The amount and chemical composition of herbage eaten by dairy cattle under close-folding and rotational methods of grazing.
- 67468 HORTON, O. H., and HARSHBARGER, K. E. A comparison of U. S. grades of alfalfa hay for milk production. (Abs.) J. Dairy Sci. 34:491. June 1951. 44.8 J822
- 67469 HUFF, J. S., WAUGH, R. K., and WISE, G. H. Effect of glycerol-monostearate, an emulsifying agent, on fat absorption, growth and health of calves. (Abs.) J. Dairy Sci. 34:505-506. June 1951. 44.8 J822
- 67470 HUFFMAN, C. F., DUNCAN, C. W., and CHANCE, C. M. "Ballast" and calculated net energy as related to the unidentified factor(s) needed to balance the total digestible nutrients in roughage. (Abs.) J. Dairy Sci. 34:491-492. June 1951. 44.8 J822
- 67471 HUFFMAN, C. F., DUNCAN, C. W., and BENNE, E. J. Distillers solubles; how digestible are they by dairy cattle? Feed Bag 27(7):31,75. July 1951. 389.78 F32
- 67472 JACQUOT, R., and ROUX, P. Le sevrage précoce du veau et les aliments économiseurs de lait. Ann. de la Nutr. et de l'Aliment. 5:251-292. Ref. 1951. 389.8 An73
Includes discussion.
- 67473 JOHNSON, B. C., NEVENS, W. B., and MITCHELL, H. H. B-vitamin nutrition of the dairy calf studied with "synthetic milk" diets. (Abs.) J. Dairy Sci. 34:506. June 1951. 44.8 J822
- 67474 KALYANAKRISHNAN, M. G., and others. Studies in calf nutrition. I. The value of supplementary vitamin feeding on the growth of new born calves. Indian J. Dairy Sci. 4:16-20. Ref. Mar. 1951. 44.8 In28
T. M. Paul, C. P. Anantakrishnan, and K. C. Sen, joint authors.
- 67475 KANE, E. A., and others. Comparative digestion studies on orchard grass. U. S. Bur. Dairy Indus. BDI-Inf-124,3 p. June 1951. 1.973 D4B34
R. E. Ely, W. C. Jacobson, and L. A. Moore, joint authors.
Digestion trials with dairy cattle.
- 67476 KEHAR, N. D., and GOSWAMI, M. N. D. Bauhinia variegata leaves as cattle feed. Sci. & Cult. 16:476-477. Apr. 1951. 475 Sci24
India.
- 67477 KEHR-WOLPERODE, H. Was sagt uns der fütterplan? Kontrollangestellte, p. 1. In Unser Milchvieh. Ausg. B/C 3(1). Jan. 1951. 43.8 Un72
- 67478 KING, W. A., and RODERICK, D. B. Nutritive value of cottonseed meals for dairy cattle. (Abs.) J. Dairy Sci. 34:509-510. June 1951. 44.8 J822
- 67479 KÜHLE, Die rentabilität im milchviehstall beginnt mit der heuwerbung; sachgemässe heuwerbung spart kraftfutter! Landwirt. Wechnbl. f. Westfalen u. Lippe 108A:819-820. May 31, 1951. 18 L2346
- 67480 LOOSLI, J. K., WASSERMAN, R. H., and GALL, L. S. Antibiotic studies with dairy calves. (Abs.) J. Dairy Sci. 34:500. June 1951. 44.8 J822
- 67481 MCCULLOUGH, M., ELLIOTT, R. F., and BASTIN, G. M. Use of the chromogen(s) technique in the determination of seasonal changes in digestibility of dry matter and protein of pasture herbage. (Abs.) J. Dairy Sci. 34:494-495. June 1951. 44.8 J822
- 67482 MANN, D. When should cattle get "cake?" Kans. Farmer 88(13):8,21. July 7, 1951. 6 K'3
Protein supplement.
- 67483 MERCIER, E. Le foin et les ensilages dans l'alimentation des bovins. Agriculture [Montreal] 8:122-136. Ref. Spring 1951. 7 Ag82
- 67484 MOLFENTER, W. Was ist der verfütterung von gärfutter zu beachten? Unser Milchvieh. Ausg. B/C 3:4. Jan. 1951. 43.8 Un72
- 67485 MONROE, C. F., HIBBS, J. W., and WASHBURN, R. G. The effect of feeding moderate amounts of ground soybeans, soybean oil meal and linseed oil meal on the level of carotenoids and vitamin A in the milk and blood of dairy cattle. (Abs.) J. Dairy Sci. 34:510. June 1951. 44.8 J822
- 67486 MONTGOMERY, G. A. Dairymen cut costs with pickled pasture; production is increased and less grain and protein are required when cows get grass-legume silage the year around. Capper's Farmer 62(7):15,52. July 1951. 6 M693
- 67487 MOORE, L. A. Feeding quality forage to dairy cattle. U. S. Bur. Dairy Indus. BDI-Inf-123,4 p. June 1951. 1.973 D4B34
Paper presented in symposium program on The Role of Roughage in Milk Production, at the annual meeting of the American Dairy Science Association, Knoxville, June 1951.
- 67488 MUIR, J. Lettuce feeding big business. Amer. Cattle Prod. 33(2):10-11. July 1951. 49 P94
- 67489 MURLEY, W. R., and others. The response to aureomycin supplementation of young dairy calves fed various "practical" and restricted diets. (Abs.) J. Dairy Sci. 34:500. June 1951. 44.8 J822
N. L. Jacobson, J. M. Wing, and G. E. Stoddard, joint authors.
- 67490 NIBLER, C. W. Feeding milk cows. Nebr. Agr. Col. Ext. E. C. 627, rev., 32 p. Jan. 1951. 275.29 N272Ex

67491 PACI, C. The significance of some saline substances and of their reciprocal relations in the alimentation of milchcow. I. (In Italian.) *Mondo del Latte* 1951:218,221,223-224,226. (To be cont.) Apr.1951. 44.8 M74

English summary.

67492 PARRISH, D. B., and others. Apparent digestion of nutrients in colostrum and milk by calves during the first 18 days of life. (Abs.) *J. Dairy Sci.* 34:506-507. June 1951. 44.8 J822

D. U. Burris, R. T. McIntyre, and E. E. Bartley, joint authors.

67493 PINGREY, H. B. Cattle gains from tame pasture in irrigated districts of southern New Mexico. *N. Mex. Agr. Expt. Sta. Press B.* 1047,4 p. Jan.1951. 100 N465

67494 PONS FLORIT, J. Alimentación y vacas lecheras. *Balearic Isl. Diputación Prov. B. de Agr.* 78:3. Mar.1951. 15 B19

67495 PRATT, A. D., and MONROE, C. F. Expeller vs. extracted linseed oil meal for milk production. (Abs.) *J. Dairy Sci.* 34:510. June 1951. 44.8 J822

67496 REID, J. T., and others. A procedure for measuring the digestibility of pasture grass under grazing conditions. (Abs.) *J. Dairy Sci.* 34:494. June 1951. 44.8 J822

P. G. Woolfolk, W. A. Hardison, C. M. Martin, A. L. Brundage and R. W. Kaufmann, joint authors.

67497 REYNOLDS, E. B., FUDGE, J. F., and JONES, J. M. Supplying phosphorus to range cattle through fertilization of range land. *Cattleman* 38(2):102-103,105. July 1951. 49 C29

67498 RIGGS, J. K., BUTLER, O. D., and GAINES, J. A. Molasses tests in Texas. *Flour & Feed* 52(2):28. July 1951. 298.8 F66

In calf feeding.

67499 ROCHE, J. Les protéines iodées et leur utilisation comme agents galactogènes. *Ann. de la Nutr. et de l'Aliment.* 5:195-209. Ref. 1951. 389.8 An73

Includes discussion.

Cattle and other animals.

67500 RONNING, M., and KNOTT, C. B. The absorption of vitamin A natural esters and carotene from the digestive tract in male Holstein calves. (Abs.) *J. Dairy Sci.* 34:504. June 1951. 44.8 J822

67501 RUSOFF, L. L. Antibiotics for calves. *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 66(7):23,83. July 1951. 6 P945K

67502 RUSOFF, L. L., and DAVIS, A. V. Effect of aureomycin on growth of young calves weaned from milk at an early age. (Abs.) *J. Dairy Sci.* 34:500-501. June 1951. 44.8 J822

67503 RUSSELL, K. 20 questions answered on steaming-up and pre-milking. *Dairy Farmer* 24(7):18-19. July 1951. 44.8 D1414

67504 SCHWIZER, M. Viehhaltung auf landes- und betriebs eigener Futterbasis mit besonderer Berücksichtigung der gesundheit und fruchtbarkeit des rindviehbestandes und der qualität der viehwirtschaftlichen erzeugnisse. *Grüne* 79:353-357,385-389. (Concl.) Mar.30-Apr. 6,1951. 17 Sch9

Switzerland.

67505 SCOTT, T. T. Who's fooling who? About feeding cattle, fertilizing pastures. *South. Livestock J.* 10(12):27,46-47. July 1951. 43.8 F66A

67506 SEMENOV, V. A. Effect of nutrition level on skeleton growth of young cattle. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:43-51. 1950. 20 M875

67507 SHVABE, A. K. Increasing the percentage of fat, protein and other substances in cow's milk by controlled action with feeding factors. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:38-42. 1950. 20 M875

67508 SIRRI, A. Raise calves with skimmed milk. (In Italian.) *Cam. di Com. Indus. ed Agr. di Modena. B. Mens.* 57:97-98. Feb.1951. 280.9 M722

67509 SKAGGS, S. R. Sulfur dioxide silages. (Abs.) *J. Dairy Sci.* 34:493-494. June 1951. 44.8 J822

67510 SLACK, S. T., and TURK, K. L. The nutritive value of dried distillers' corn solubles for dairy calves as determined by feeding, digestion and palatability trials. (Abs.) *J. Dairy Sci.* 34:505. June 1951. 44.8 J822

67511 SMITH, I. T. Dairy cows make their own proteins from urea. *Mont. Farmer - Stockman* 38(11):40-42. Feb.1,1951. 6 M764

67512 SMITH, S. E., and others. Salt studies with dairy cattle. *Cornell Nutr. Conf. Feed Mfr. Proc.* 1950:72-75. 389.79 C81

P. D. Aines, F. W. Lengemann, and K. L. Turk, joint authors.

67513 SNIDER, H. J. More protein from clipped pastures. *Hoard's Dairyman* 96:476-477. June 10,1951. 44.8 H65

67514 THOMAS, J. W., and MOORE, L. A. Effects of feeding thyroprotein to dairy cows for successive lactations—a report of progress. (Abs.) *J. Dairy Sci.* 34:507. June 1951. 44.8 J822

67515 THOMASSON, R. R. Proof that you can't afford not to build better pastures. *Amer. Hereford J.* 42(5):267,270. July 1,1951. 43.8 Am32

67516 TIPPIT, O. J., JONES, J. H., and JOHNSTON, J. R. Summary of the 1950 grazing & feeding work at the Blackland Experiment Station. *Tex. Livestock J.* 10(5):8. May 15,1951. 49 T29

Cattle research at Temple Substation.

67517 TYRER, T. G. In New Zealand we ration our pastures. *Hoard's Dairyman* 96:535,540-541. July 10, 1951. 44.8 H65

67518 TYRER, T. G. Nearly 20 per cent. up in two years: rationed grazing the answer; spectacular results follow use of electric fence on Drury city milk farm. *New Zeal. Dairy Exporter* 26(10):11,13-14. Apr.1951. 44.8 N484

67519 TYRRELL, W. P. What a difference the cow makes! *Breeder-Stockman* 13(2):43-44. July 1951. 49 V81

Winter pasture for beef cattle.

67520 TYZNIK, W., and ALLEN, N. N. The relation of roughage intake to the fat content of the milk and the level of fatty acids in the rumen. (Abs.) *J. Dairy Sci.* 34:493. June 1951. 44.8 J822

67521 VOELKER, H. H., and STALLCUP, O. T. The nutritive value of lespedeza hay for wintering dairy heifers. (Abs.) *J. Dairy Sci.* 34:509. June 1951. 44.8 J822

67522 WARD, A. L. Hand-feeding vs. self-feeding. *West. Livestock J.* 29(38):58-60,62. June 15,1951. 6 F2278

Cattle feeding.

67523 WEBER, W. Über die angepasste fütterung des rindes. *Schweiz. Arch. f. Tierheilk.* 93:345-352. May 1951. 41.8 Sch9

English summary.

67524 WEEMS, A. G. It's a sin to kill grass. *Livestock Wk.* 5(25):8-9,30-33. Apr.26,1951. 49 L753

Feeding Hereford cattle.

67525 WHITE, H. P. Grain on grass; more beef for the growing population. *West. Live Stock* 36(9):15,58-61. Apr.1951. 49 W523

67526 WILSON, C. C. Feeding hormones. *Tex. Livestock J.* 10(5):9. May 15,1951. 49 T29

Cattle.

67527 WINKLER, S. Der milchsatzleckstein. *Osterr. Milchwirt.* 6:39-40. Feb.7,1951. 44.8 Os72

For cattle.

67528 WOOLFOLK, E. J. Crested wheatgrass grazing values. *Cattleman* 38(2):110-113,118. July 1951. 49 C29

67529 WORK, S. H., VAN SEVERAN, M. L., and ESCALON, L. Informe preliminar del valor de la pulpa de café seca como sustituto del maíz en la ración de vacas lecheras. *Campo [Tacuba]* 19(710):73-77. (To be cont.) Apr.30,1951. 8 C157

Veterinary Medicine

67530 ALICE, F. J. Notes on the incidence of brucellosis in Bahia. (In Portuguese.) *Rev. Mil. de Remonta e Vet.* 10:69-73. July/Sept.1950. 41.8 R3219

English summary.

Chiefly cattle - a few pigs and horses.

67531 ALLEN, R. S., HOMEYER, P. G., and CANNON, C. Y. Use of activated glycerol dichlorohydrin in the analysis of dairy calf blood plasma for vitamin A. (Abs.) *J. Dairy Sci.* 34:505. June 1951. 44.8 J822

67532 ANREITER, J. Über die strangulatio ductospermatica. *Wien. Tierärztl. Monatsschr.* 38:359-374. Ref. June 1951. 41.8 T345

English summary.

Intestinal strangulation in cattle following castration. With discussion "Zu dem vorstehenden artikel über die strangulatio ductospermatica," by K. Diernhofer.

67533 ARNOLD, J. F. Teat surgery. *Jen-Sal J.* 1951:4-6,26. July 1951. 41.8 J45

67534 BABCOCK, J. Post-parturient hemoglobinuria. *Iowa State Col. Vet.* 13:171-172. 1951. 41.8 V6425

In a cow.

67535 BAILEY, J. W. About mastitis treatment. *Hoard's Dairyman* 96:479. June 10,1951. 44.8 H65

- 67536 BAILEY, J. W. It might be vibriosis; Bang's isn't the only disease which causes abortions. *Farm & Ranch—South. Agr. Upper So. Ed.* 81(6):25-26. June 1951. 6 T31
- 67537 BAILEY, J. W. When cows abort. *Maine Milk Prod.* 10(6):1-2. Mar. 1951. 44.8 M28
- 67538 BARRETO D., R. Algunos valores hematológicos de la vaca normal. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:152-162. Dec. 1950. 41.9 Un37 English summary.
- 67539 BARTLETT, D. E. What can be done about bovine venereal trichomoniasis in herds today? The chance for successful treatment of an infected cattle herd is no longer an unreasonable gamble. *Amer. Hereford J.* 42(5):590-594, 596, 599, 602, 605. July 1, 1951. 43.8 Am32
- 67540 BASTERRECHEA, L. DE. Carbunco sintomático, renquera de los terneros, mal de paleta, etc. *Agr. Venezol.* 15(149):35. Jan./Feb. 1951. 9.95 Ag8
- 67541 BATTELLI, C. Immunological studies on strains of *Pasteurella septica* [i.e. *multocida*] isolated from the zebu in Eritrea. (In Italian.) *Zooprofilassi* 6: 183-188, 190-192. May 1951. 41.8 Z72 English summary.
- 67542 BENDEXIN, H. C. Remarks on [bovine] brucellosis in Denmark. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:81-83. 1951. 49.9 Un3R
- 67543 BERTHELON. Maladies vénériennes et production du lait. (Abs.) *Cahiers de Méd. Vét.* 20:50-51. Mar./Apr. 1951. 41.8 C11
- 67544 BOLLE, F. Hundert kälber von einer kuh? *Orion* 6:217-221. Mar. 20, 1951. 474 Or4
- 67545 BOUGHTON, D. C. Dipping at markets aid in control of external parasites, scientist says: DuPont research man praises residual action of DDT-BHC, used extensively in latest tick outbreak in Florida. *Fla. Cattleman* 15(10):18-19, 27. July 1951. 43.8 F66
- 67546 BRAY, R. W., PHILLIPS, P. H., and BOHSTEDT, G. Moisture, ash, and fat content of connective tissue from cattle of different ages. *J. Anim. Sci.* 10:394-398. May 1951. 49 J82
- 67547 BRODY, S., and others. Effect of environmental temperature on hunger and thirst in cows. (Abs.) *J. Dairy Sci.* 34:499. June 1951. 44.8 J822
- A. C. Ragsdale, H. H. Kibler, C. R. Blincoe, H. J. Thompson, and D. M. Worstell, joint authors.
- 67548 BROWN, R. Bacillary hemoglobinuria in Kentucky. *Amer. Vet. Med. Assoc. J.* 119:132. Aug. 1951. 41.8 Am3
- 67549 BRYAN, J. S. The ring test for brucellosis in herd management. *J. Milk & Food Technol.* 14:109-110, 121. May/June 1951. 44.8 J824
- 67550 BURKEY, L. A., and BUCKNER, C. R. The nature of the infecting organism [*Streptococcus*] and the severity of infection in [bovine] mastitis. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:25-26. 1950. 44.8.39 So12A
- 67551 BURKEY, L. A., and others. Trends in the incidence of mastitis infections by different organisms. (Abs.) *J. Dairy Sci.* 34:498. June 1951. 44.8 J822
- C. R. Buckner, P. C. Underwood, and W. W. Swett, joint authors.
- 67552 CALLEAR, J. F. F. An attempt to control helminthiasis in cattle, goats and sheep in British Guiana. *Vet. Rec.* 63:401. June 9, 1951. 41.8 V641
- 67553 CAPORALE, G., and MANTOVANI, A. The epidemiological significance of parturition in the spreading of Q fever. (In Italian.) *Clin. Vet.* 74:129-133. May 1951. 41.8 C61 English summary.
- Outbreaks of disease in man following parturition in infected animals (cattle and sheep).
- 67554 CAPPON, A. What an old cowhand has to say on the control of cattle tuberculosis. (In Dutch.) *Zeeuwisch Landtbl.* 39(2069):7-8. May 5, 1951. 12 Z2
- 67555 CASAS, M. A. Enfermedades parasitarias observadas en las reses de consumo y su propagador inmediato: el perro. *Res* 19:26021-26022. June 5, 1951. 286.85 R31
- 67556 CHAMBERS, E. E. Penicillin in the treatment of foot rot in cattle. *No. Amer. Vet.* 32:479-480. July 1951. 41.8 N812
- 67557 CHAVARRIA C., M. La premunición contra la piropilosis. *Rev. Mex. de Med. Vet. y Zootec.* 5:130-133. Sept./Dec. 1950. 41.8 R3217 Cattle.
- 67558 CHIELLINI, P. Some observations on the edemas of the joints in cattle. (In Italian.) *Prog. Vet.* 6: 370, 372. June 15, 1951. 41.8 P942
- 67559 CONNER, G. H. Intravenous ether for general anesthesia in the bovine animal. *Amer. Vet. Med. Assoc. J.* 119:46-48. July 1951. 41.8 Am3
- 67560 COOPER, C. The current status of mastitis therapy. *Jen-Sal J.* 1951:16-17. July 1951. 41.8 J45
- 67561 CROWTHER, H. A. H. Mastitis—the international problem. *Dairy Indus.* 16:535-538. June 1951. 44.8 D1427
- 67562 DELAHANTY, D. D. Radiographic findings in a fracture of the sacrum in a bull. *Amer. Vet. Med. Assoc. J.* 119:49. July 1951. 41.8 Am3
- 67563 DEWAR, J. K. Calf pneumonia. *No. Amer. Vet.* 32:486. July 1951. 41.8 N812
- 67564 DONATIEN, A., GAYOT, G., and RAMPON, L. La leptospirose bovine en Algérie (deuxième note). *Inst. Pasteur d'Algérie. Arch.* 29:18-19. Mar. 1951. 44.8.3 In7A
- 67565 DOWNHAM, K. D. The prevention of Johne's disease in dairy cattle. *Guernsey Breeders' J.* [London] (n.s.)5(2):15-16, 18, 20. Summer 1951. 43.8 G932
- 67566 DUFOUR, R. Les mammites des vaches laitières. *Défense Agr. de la Beauce et du Perche* 48: 236-237. June 9, 1951. 14 D36
- 67567 EDWARDS, S. J. Some observations on the control of *Str. agalactiae* infection [in cattle.]. (Abs.) *Vet. Rec.* 63:443-444. June 30, 1951. 41.8 V641
- 67568 EIBL, K., and ALBRECHT, P. Die bewertung des vaginalbefundes des rindes im besamungsbetrieb. *Tierärztl. Umschau* 6:233-236. July 1951. 41.8 T445
- 67569 EKTÖV, V. A. Post-embryonic increase in weight of muscles of young cattle during various nutrition levels. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirjazeva. Dok.* 12:56-60. 1950. 20 M875
- 67570 ELY, R. E., JACOBSON, W. C., and KANE, E. A. Metabolism of lignin in orchard grass hay cut at various stages of maturity. (Abs.) *J. Dairy Sci.* 34:492. June 1951. 44.8 J822
- 67571 EVANS, E. T. R., EVANS, W. C., and HUGHES, L. E. Developments in the investigation into "bracken poisoning" in cattle. (Abs.) *Vet. Rec.* 63:444. June 30, 1951. 41.8 V641
- 67572 FERREIRA, F. S. DA C., and TENDEIRO, J. On the treatment of trypanosomiasis in animals with anticyde. (In Portuguese.) *Inst. de Med. Trop. An.* 7: 53-59. July 1950. 44.8.9 L68 English summary.
- Cattle and horses.
- 67573 FOOTE, L. E., FARLEY, H., and GALLAGHER, B. The use of aureomycin in anaplasmosis. *No. Amer. Vet.* 32:547-549. Aug. 1951. 41.8 N812 Cattle.
- 67574 FRANK, E. R. Actinobacillosis in the bovine. *Iowa State Col. Vet.* 13:135-137. 1951. 41.8 V6425
- 67575 FREEMAN, E. M. A case of Johne's disease. *Iowa State Col. Vet.* 13:174-175. 1951. 41.8 V6425 In a cow.
- 67576 GALL, L. S., and HUTANEN, C. N. Some improvements in technics for studying rumen bacteria. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:23. 1950. 44.8.39 So12A Cattle.
- 67577 GALLI, G. Castration of cattle. (In Italian.) *Rinascita Agr.* 6(2):2. Nov. 15, 1950. 281.8 R47
- 67578 GEYER, H. G., EDGINGTON, B. H., and BOND, H. G. Application of the (A.B.R.) ring test in area brucellosis control. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:84-86. 1951. 49.9 Un3R Cattle.
- 67579 GIFFORD, C. W. How to keep your herd clean. *Farm J.* 75(7):34, 107. July 1951. 6 F2212 Of brucellosis.
- 67580 GIFFORD, C. W. What to do when it hits. *Farm J.* 75(8):34-35, 116-117. Aug. 1951. 6 F2212 Brucellosis in dairy and beef cattle.
- 67581 GONZALES-MUGABURU, L. Coccidiosis intestinal en ganado vacuno de la Sierra del Centro. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5: 188-190. Dec. 1950. 41.9 Un37 English summary.
- 67582 GREEN, T. C. Report of the six state experiment *Brucella* [abortus] "M" vaccine. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:72-77. 1951. 49.9 Un3R Experiments with heifers.
- 67583 HANSARD, S. L., and others. Integration of concurrent chemical and radioisotope balance trials for the interpretation of calcium metabolism studies. (Abs.) *J. Dairy Sci.* 34:508. June 1951. 44.8 J822
- C. L. Comar, M. P. Plumlee, and C. S. Hobbs, joint authors.
- 67584 HANSEL, W., and TRIMBERGER, G. W. The effect of progesterone on ovulation time in dairy heifers. (Abs.) *J. Dairy Sci.* 34:496. June 1951. 44.8 J822
- 67585 HARMS, F. Vitamin A in fetus und jungtier bei rind und pferd. *Monatsh. f. Vetmed.* 6:165-169. Ref. May 1, 1951. 41.8 M742

- 67586 HARSHFIELD, G. S. Sporadic bovine encephalitis, a new cattle disease in South Dakota. S. Dak. Farm & Home Res. [S. Dak. Sta.] 2:43-44. Winter 1951. 100 So82S
- 67587 HATCH, R. D. Calfhood diseases. Iowa Vet. 22(4):9-11,26,28. July/Aug.1951. 41.8 Io9
- 67588 HAUPT, H. Zur verhütung von einbrüchen des seuchenhaften verkalbens in abortus-freie rinderbestände. Deut. Tierärztl. Wchnschr. 58:165-167. June 1,1951. 41.8 D482
- 67589 HAUSER, H. Zahnfach-nekrobazilliose mit venös-metastatischer thrombose des sinus circularis basillaris (ein haftpflichthandel nach nasenringeneinsatz). Schweiz. Arch. f. Tierheilk. 93:326-335. Ref. May 1951. 41.8 Sch9
- English summary.
In a bull.
- 67590 HERVEY, M. C. The effects of mastitis on milk and butterfat production. (Abs.) J. Dairy Sci. 34:502. June 1951. 44.8 J822
- 67591 HESS, E. Diagnose und therapie der trichomonadenseuche beim zuchtstier. Tierärztl. Umschau 6:191-196. Ref. June 1951. 41.8 T445
- 67592 HIBBS, J. W., and POUNDEN, W. D. Recent developments in the use of vitamin D in the prevention of milk fever in dairy cows. (Abs.) J. Dairy Sci. 34:498-499. June 1951. 44.8 J822
- 67593 HIBBS, J. W., and POUNDEN, W. D. The relation of atmospheric pressure to the occurrence of milk fever. Amer. Vet. Med. Assoc. J. 118:383-384. June 1951. 41.8 Am3
- Cattle.
- 67594 HINKLEY, C. D. Metastatic squamous cell carcinoma in a Hereford cow. Iowa State Col. Vet. 13:172. 1951. 41.8 V6425
- 67595 HOUDINIERE, A., and THIEULIN, G. Etats et troubles physiologiques de la sécrétion lactée, laits physiologiques anormaux. (Abs.) Cahiers de Méd. Vét. 20:47-48. Mar./Apr.1951. 41.8 C11
- 67596 HULSE, E. C. The treatment with aureomycin of acute bovine staphylococcal mastitis. Vet. Rec. 63:439-442. June 30,1951. 41.8 V641
- 67597 JOHNSTON, J. E., RUSOFF, L. L., and D'ARENSBOURG, G. Evaluation of changes in adrenal cortical secretion rate by measurement of changes in circulating eosinophils of dairy cattle. (Abs.) J. Dairy Sci. 34:497-498. June 1951. 44.8 J822
- 67598 JØRGENSEN, K. L., and LIVONI, P. Teat surgery and streptococcal infection. (In Danish.) Nord. Vetmed. 3:516-524. June 1951. 41.8 N813
- English summary.
- 67599 KÄSTLI, P. Untersuchungen über den euter-katarrh der milchkühe. Schweiz. Arch. f. Tierheilk. 93:364-372. May 1951. 41.8 Sch9
- English summary.
- 67600 KELLER, H. Polyarthritides des kalbes und brucellose. Lebensmitteltierarzt 2:37-39. Mar.1951. 41.8 L49
- 67601 KERR, W. R., ROBERTSON, M., and MCGIRR, J. L. A study of the reaction of the white blood corpuscles in bovines at parturition with a consideration of the evidence of the action of the adrenal cortical hormone (cortisone). J. Hyg. 49:67-80. Mar.1951. 44.8 J82
- 67602 KESLER, E. M., and KNOTT, C. B. Concentrations of certain B vitamins in the digestive tract contents of young dairy calves. (Abs.) J. Dairy Sci. 34:506. June 1951. 44.8 J822
- 67603 LAGERLÖF, N. Zinc poisoning through welding. (In Swedish.) Lantmannen 35:515-516. June 30, 1951. 11 L234
- Cattle poisoned by fumes.
- 67604 LANG, K. Die infektion der makroskopisch unveränderten leber bei der millartuberkulose des rindes. Lebensmitteltierarzt 2:20-22. Feb.1951. 41.8 L49
- 67605 LANG, K. Tuberkulosestillung und fleisch-hygiene. Lebensmitteltierarzt 2:7-12. Jan.1951. 41.8 L49
- Bovine tuberculosis.
- 67606 LARSEN, A. B. Johne's disease (paratuberculosis) of cattle. U. S. D. A. C. 873,8 p. June 1951. 1 Ag84C
- Supersedes Circular 104, Johne's disease (paratuberculosis of livestock) by Elmer Lash and William Mohler. Also in Iowa State Col. Vet. 13:147-149. 1951. 41.8 V6425
- 67607 LARSON, L. C. Illumination of a laboratory table for inspection of blood samples from bovine animals. Illum. Engin. 46:338-339. July 1951. 291.8 IL6
- 67608 LEIGHTON, R. E., KUIKEN, K. A., and SMITH, H. A. Toxicological effects of toxaphene on dairy cows. (Abs.) J. Dairy Sci. 34:503. June 1951. 44.8 J822
- 67609 LINK, R. P. Bovine ketosis. No. Amer. Vet. 32:550-551. Aug.1951. 41.8 N812
- 67610 LIVE, L., and DANKS, A. G. The use of ether-killed Brucella abortus in saline-in-oil emulsion in a herd of cattle with brucellosis. Amer. J. Vet. Res. 12:175-182. Ref. July 1951. 41.8 Am3A
- 67611 LOSINSKI, T. The preparation of the antigen stained with haematoxylin for the ring test (ABR) for brucellosis in cattle. (In Polish.) Med. Veter. 7:224-228. Ref. Apr.1951. 41.8 M463
- 67612 MAJOR, R. L. What happens to the food our cattle eat? Guernsey Breeders' J. [London] (n.s.)5(2):35-36. (To be cont.) Summer 1951. 43.8 G932
- Digestion.
- 67613 MANGE of cattle. Guernsey Breeders' J. [London] (n.s.)5(2):43-44. Summer 1951. 43.8 G932
- 67614 MANNINGER, R. The control of brucellosis of cattle. Isolation and disinfection. (In Polish.) Med. Veter. 7:167-169. Mar.1951. 41.8 M463
- 67615 MILES, J. T. Rumen digestion of some crude fiber constituents. (Abs.) J. Dairy Sci. 34:492. June 1951. 44.8 J822
- 67616 MILO, H. A. Experience in Pennsylvania in tracing the origin of cattle reported on regular kill to be affected with tuberculosis. U. S. Livestock Sanit. Assoc. Proc. (1950)54:103-106. 1951. 49.9 Un3R
- 67617 MIRRI, F. The situation regarding the prevention of bovine tuberculosis in Italy. (In Italian.) Prog. Vet. 6:360-362,364,366,368. June 15,1951. 41.8 P942
- 67618 MIXNER, J. P. Spectrophotometric analysis of neutral steroids of cattle urine. (Abs.) J. Dairy Sci. 34:495-496. June 1951. 44.8 J822
- 67619 MONNIER. La tuberculose bovine et sa prophylaxie. Nord. Agr. 7(27):4-5. May 4,1951. 14 N75
- 67620 MONROE, R. A., SWANSON, E. W., and WYLIE, C. E. Metabolism of radioactive iodine in the newborn calf and in the dam at parturition. (Abs.) J. Dairy Sci. 34:507-508. June 1951. 44.8 J822
- 67621 MORRILL, C. C. Lymphocytoma of the bovine abomasum. No. Amer. Vet. 32:549. Aug.1951. 41.8 N812
- 67622 MORSE, E. V. Using the ABR ring test to fight brucellosis. Wis. Agr. Col. Ext. Spec. C. 19,6 p.-folder. May 1951. 275.29 W75S
- Brucellosis in cattle.
- 67623 MURRAY, M. D., and CURRIE, E. J. Generalised ankylosis, a lethal factor occurring in Friesian cattle in New Zealand. I-II. Austral. Vet. J. 27:73-78. Apr.1951. 41.8 Au72
- I, A description of the deformity and the correction of the dystocia, by M. D. Murray, p.73-75; II, Its mode of inheritance, by E. J. Currie, p.76-78.
- 67624 NEVENS, W. B., and HOWERTER, S. C. Live-weight gains of yearling dairy heifers with pasture as the only feed. (Abs.) J. Dairy Sci. 34:508. June 1951. 44.8 J822
- 67625 NIEDEREHE. Über darmtuberkulose des rindes. Lebensmitteltierarzt 2:17-20. Ref. Feb.1951. 41.8 L49
- 67626 OHL, R. Beobachtungen aus der landwirtschaftlichen praxis über kälberlähme. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:111-114. June 1951. 41.8 B45
- 67627 PALMER, J. Prevent calf scours. San Joaquin Val. Poultryman 22(1):9,20. June 1951. 47.8 Sa53
- 67628 PAREDIS, F., MORGAN, B. B., and MCNUTT, S. H. A cytological study of the anterior lobe of the pituitary in relation to the estrous cycle in virgin heifers. Wis. Acad. Sci. Arts & Let. Trans. 40(2):59-66. Ref. 1951. 500 W75
- 67629 PARKER, W. H., and WILLIAMSON, T. F. Paraffin poisoning in cattle. Vet. Rec. 63:430-432. June 23,1951. 41.8 V641
- Toxicity of "tractor paraffin" (fuel oil).
- 67630 PLUMLEE, M. P., and others. The transfer of calcium from pregnant heifers to fetus following single oral or intravenous dosage using calcium⁴⁵. (Abs.) J. Dairy Sci. 34:508. June 1951. 44.8 J822
- S. L. Hansard, C. L. Comar, and C. S. Hobbs, joint authors.
- 67631 POOK, H. L. "Inclusion cell conjunctivitis" in calves. Vet. Rec. 63:445-446. June 30,1951. 41.8 V641
- 67632 PREWETT, L. P. Johne's disease. Victoria. Dept. Agr. J. 49:175-176. Apr.1951. 23 V66J
- In cattle.

- 67633 PRIESTLEY, F. W. A slide flocculation test for the diagnosis of contagious bovine pleuro-pneumonia. *Vet. Rec.* 63:427-429. June 23, 1951. 41.8 V641
- 67634 PRÜGELHOF, F. Besondere Fruchtbarkeit einer Kuh. *Wien. Tierärztl. Monatsschr.* 38:384. June 1951. 41.8 T345
- Cow bears seven calves within 23 months.
- 67635 PUNTRIANO, G. Hormonal hypothesis of prepartum and postpartum acetonemia in dairy cattle. *II. Vet. Med.* 46:301-304. Aug. 1951. 41.8 M69
- 67636 RADELEFF, R. D., and others. Toxaphene residues in fat of sprayed cattle. *Vet. Med.* 46:305-308. Aug. 1951. 41.8 M69
- H. V. Claborn, H. F. Beckman, R. W. Wells, and R. C. Bushland, joint authors.
- 67637 RAESIDE, J. I., and TURNER, C. W. Progesterone and the corpus luteum in maintenance of pregnancy in dairy heifers. (Abs.) *J. Dairy Sci.* 34:496. June 1951. 44.8 J822
- 67638 RAMOS SACO, T. Meningitis tuberculosa en bovinos. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:102-113. Ref. Dec. 1950. 41.9 Un37
- English summary.
- 67639 ROSSI, P. Prophylaxie et traitement des mammites. (Abs.) *Cahiers de Méd. Vét.* 20:49-50. Mar./Apr. 1951. 41.8 C11
- Cattle.
- 67640 RUBINI DRAGO, G. El calcio y fósforo inorgánico del suero en vacas normales. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:61-71. Ref. Dec. 1950. 41.9 Un37
- English summary.
- 67641 SATO, K. Une épizootie "d'influenza" du bétail en 1949. *Off. Internat. des Epiz. B.* 35:238-246. May/June 1951. 41.8 Of2
- Japan.
- 67642 SBRANA, S. On another case of malignant catarrhal fever. (In Italian.) *Frog. Vet.* 6:344. June 1951. 41.8 P942
- In a cow.
- 67643 SCHEIDY, S. F. Vaccines in dairy animal disease control. *J. Milk & Food Technol.* 14:111-113. May/June 1951. 44.8 J824
- 67644 SCHLEIFSTEIN, J., and TOMPKINS, V. Rabies in cattle—a technique for removal of the cerebellum for laboratory examination. *Amer. Vet. Med. Assoc. J.* 119:130-132. Aug. 1951. 41.8 Am3
- 67645 SCHOOP, G. Die Kälberruhr und ihre Vorbeuge. *Berlin. u. Münch. Tierärztl. Wchnschr.* 1951:109-111. June 1951. 41.8 B45
- Due to vitamin A deficiency + *Escherichia coli* infection.
- 67646 SHAW, J. C. Here's news about ketosis—its cause, its cure. *Hoard's Dairyman* 96:499,504-505. June 25, 1951. 44.8 H65
- 67647 SHAW, J. C., and HATZIOLOS, B. C. Further studies on the use of cortisone in the treatment of ketosis in dairy cattle. (Abs.) *J. Dairy Sci.* 34:498. June 1951. 44.8 J822
- 67648 SLAGLE, A. B. Heredity's effect on gains in beef cattle. *Sowest. Crop & Soil* 5(5):11,76-77. May 1951. 6 So8942
- 67649 STAFFE, A., and HOFER, A. Über die blutkatalase künstlich mit maul- und klauenseuchevirus infizierter rinder. 3. Schweiz. *Arch. f. Tierheilk.* 93:397-404. June 1951. 41.8 Sch9
- English summary.
- 67650 STUART, P., BUNTAIN, D., and LANGRIDGE, R. G. Bacteriological examination of secretions from cases of "summer mastitis" and experimental infection of non-lactating bovine udders. *Vet. Rec.* 63:451-453. July 7, 1951. 41.8 V641
- 67651 SUEIRO, J. V. Más de 8.000 reses vacunas lleva reconocidas el servicio de sanidad pecuaria del plan agrícola de Galicia en nuestra provincia. *Camplina* 6(54):4. Mar./Apr. 1951. 15 C152
- Disease control in Spain.
- 67652 SWANSON, E. W., and THROOP, B. T. Mastitis studies in Tennessee. *Tenn. Agr. Expt. Sta. B.* 219, 31 p. Ref. Mar. 1951. 100 T255
- In dairy cattle.
- 67653 SWINDLE, B. C., and others. Studies of tuberculin. I-III. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:110-121. 1951. 49.9 Un3R
- L. A. Baisden, H. W. Johnson, and R. R. Henley, joint authors.
- I, The comparison of various types of tuberculin tests on reactor cattle, p.110-115; II, The effects of prior injections of tuberculin upon the sensitivity of reactor cattle, p.115-117; III, Results of the application in the field of the cervical test for tuberculosis, p.117-120.
- 67654 SYKES, J. F., and WRENN, T. R. Hormonal development of mammary tissue in dairy heifers. (Abs.) *J. Dairy Sci.* 34:498. June 1951. 44.8 J822
- 67655 TOUCHBERRY, R. W., and TABLER, K. A. The accuracy of mammary gland measurements on 3-, 4- and 5-month-old heifer calves. (Abs.) *J. Dairy Sci.* 34:502. June 1951. 44.8 J822
- 67656 TURNER, C. W. Anatomy of the udder. IV. The internal structure of the udder and teat. *Guernsey Breeders' J.* [Peterborough] 82:713-717,740. July 4, 1951. 43.8 G93
- 67657 U. S. LIVESTOCK SANITARY ASSOCIATION. ADVISORY COMMITTEE ON ANAPLASMOSIS. Report. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:234-235. 1951. 49.9 Un3R
- L. T. Giltner, chairman.
- Cattle.
- 67658 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON BRUCELLOSIS. Report. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:98-102. 1951. 49.9 Un3R
- R. West, chairman.
- Includes "Proposed revision to uniform methods and rules for the establishment and maintenance of certified brucellosis-free herds of cattle and modified certified areas."
- 67659 VALLENAS P., A. El fibrinógeno del plasma en la vaca. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:206-211. Dec. 1950. 41.9 Un37
- English summary.
- 67660 VANDEMARK, N. L., and MOELLER, A. N. Speed of spermatozoan transport in reproductive tract of estrous cow. *Amer. J. Physiol.* 165:674-679. Ref. June 1, 1951. 44.7 Am3
- 67661 WAGENER, K. Hyperkeratosis of cattle in Germany. *Amer. Vet. Med. Assoc. J.* 119:132-137. Aug. 1951. 41.8 Am3
- 67662 WANG, V. F. L. The use of the Chinese hamsters (*Cricetus griseus*) in the study of mycobacterium tuberculosis. 2. For the differentiation of human and bovine types. *Chin. Med. J.* 69:155-159. Mar./Apr. 1951. 44.8 C44
- 67663 WARD, G. M., and ADAMS, M. F. Daily fecal excretion of calcium, sodium and potassium and fecal pH of eleven dairy cows at the time of parturition. (Abs.) *J. Dairy Sci.* 34:507. June 1951. 44.8 J822
- 67664 WARD, G. M., BLOSSER, T. H., and CRILLY, J. B. Some changes in the blood levels of pyruvic, lactic and citric acids and hematocrit values in cows treated for milk fever. (Abs.) *J. Dairy Sci.* 34:507. June 1951. 44.8 J822
- 67665 WASHKO, F. V., and HUTCHINGS, L. M. Studies on the pathogenicity of *Brucella suis* for cattle. *II. Amer. J. Vet. Res.* 12:165-174. Ref. July 1951. 41.8 Am3A
- 67666 WAYMAN, O., and ASDELL, S. A. Blood changes in the nymphomaniac cow. (Abs.) *J. Dairy Sci.* 34:495. June 1951. 44.8 J822
- 67667 WELLS, D. Feedmen must crusade for mastitis control. *East. Feed Merchant* 2(7):28-29. July 1951. 389.78 Ea7
- In dairy cattle.
- 67668 WELLS, K. F. Progress in control of bovine tuberculosis in Canada. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:107-109. 1951. 49.9 Un3R
- 67669 WOXHOLTT, C. Polyvalent pneumococcus (diplococcus) serum for suckling calves. (In Norwegian.) *Nord.Vetmed.* 3:503-515. Ref. June 1951. 41.8 N813
- English summary.
- 67670 WRIGHT, N. Coccidiosis in cattle. *Canad. Cattlemen* 14(4):22-23. Apr. 1951. 49 C16
- 67671 YOUMANS, A. S., and YOUMANS, G. P. The effect of several bovine plasma fractions on the growth of tubercle bacilli. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:88-89. 1950. 44.8.39 Sol2A
- 67672 ZAGRISHEV, A. A. Some characteristics of the fat metabolism in calves during various types of feeding. (In Russian.) *Moskv. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:52-55. 1950. 20 M875
- 67673 ZALETEL, J. H., ALLEN, R. S., and JACOBSON, N. L. A study of the lipids in the blood plasma of young dairy calves. (Abs.) *J. Dairy Sci.* 34:506. June 1951. 44.8 J822
- 67674 ZIEGLER, M. Zur klinischen und mikroskopischen feststellung der eutertuberkulose des rindes. *Monatsh. f. Vetmed.* 6:193-198. May 15, 1951. 41.8 M742

Miscellaneous

67675 ACKERMAN, R. A., and HYATT, G., JR. Prepartum II: some effects on production of cows and growth of calves. (Abs.) J. Dairy Sci. 34:503. June 1951. 44.8 J822

67676 AGARWALA, O. P. Buffalo, the cow of ponds. Allahabad Farmer 25:84-88. Mar. 1951. 22 AL5

67677 ALBAUGH, R. Your calf crop, key to production. West. Livestock J. 29(38):41,111,114-115. June 15, 1951. 6 F2278

Care of breeding cows.

67678 ASDELL, S. A. Variations in amount of culling from D.H.I.A. herds. J. Dairy Sci. 34:529-535. Ref. June 1951. 44.8 J822

67679 ASHTON, J. Texas cattle trade in 1970. Cattleman 38(2):21,74-75. July 1951. 49 C29

67680 AYRSHIRE CATTLE HERD BOOK SOCIETY. Annual report, 1950. Ayr, 1951. 30 p. 43.9 Ay74A

67681 BARTLEY, E. E., and others. The relationship of stage of lactation, pasturage and environmental temperature to the degree of unsaturation of cow milk fat. J. Dairy Sci. 34:536-547. Ref. June 1951. 44.8 J822

J. H. Zaletel, E. W. Bird, C. Y. Cannon, G. H. Wise, and O. Kempthorne, joint authors.

67682 BATTLES, O. V. How much does an attractive and informative catalog benefit a sale? Aberdeen-Angus J. 32(12):50,64. July 1951. 43.8 Ab3

67683 BEATY, L. With Layne Beaty in South America. II. Uruguay and Brazil. Prog. Farmer, Tex. Ed. 66(7):17. July 1951. 6 T311

Cattle raising.

67684 BECK, G. H., and CLAYDON, T. J. Relative effectiveness of paper towels, cloth towels and dry bare hands in cleaning the udder and in stimulating milk let-down. J. Dairy Sci. 34:593-597. June 1951. 44.8 J822

67685 BECK, G. H., FRYER, H. C., and ATKESON, F. W. Variations in the response of dairy cows to a standard method of machine milking. J. Dairy Sci. 34:598-605. Ref. June 1951. 44.8 J822

67686 BECKER. Stand und ergebnisse der milchleistungsprüfungen im kontrolljahr 1950. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:893. June 14, 1951. 18 L2346

67687 BECKMAN, H. J. Practical project—DHIA seeks shortcuts in heifer development. West. Dairy J. 7(9):25,29. July 1951. 44.8 W524

Care of calves.

67688 BELEN'KII, N. G. Concerning the conformation of large cattle before slaughtering. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(2):6-14. 1951. 20 Ak1

67689 BENK, E. Über geprüfte melkfette und deren bedeutung für die landwirtschaft. Allgäuer Bauernbl. 19:298-299. May 31, 1951. 18 AL53

67690 BERTHOLD, R. Mehr milch durch fachgerechte tierpflege. Bl. f. den Melker, p. 2. In Unser Milchvieh. Ausg. B/C 3(1). Jan. 1951. 43.8 Un72

67691 BERTL, H. Neuorganisation der rinder- und schweinezucht in Niederösterreich. Bodenkultur 5:93-100. 1951. 19 B635

67692 BIELEFELDT, F. Milchleistungskontrolle und züchterarbeit im Kreise Südtirol 1950. Kontrollangestellte, p. 2. In Unser Milchvieh. Ausg. B/C 3(1). Jan. 1951. 43.8 Un72

67693 BINGHAM, L. Expanding Australia's beef cattle industry. New Zeal. Farmer 72(7):8. May 24, 1951. 23 N484

67694 BRIANZI, P. There is a primipara giving 26 kg. a day. (In Italian.) Rinasita Agr. 6(8):2. Feb. 15, 1951. 281.8 R47

Cattle.

67695 BROWNLEE, A. Studies in the behaviour of domestic cattle. I. Skin hygiene. 2. Curiosity. 3. Play. (Abs.) Vet. Rec. 63:443. June 30, 1951. 41.8 V641

67696 BURGOS, C. X. Questions and answers on cattle raising. Philippines. Dept. Agr. & Nat. Resources. Pop. B. 34,53 p. 1951. 475 P533

Beef cattle in the Philippines.

67697 COBBLE, J. W., HERMAN, H. A., and RAGSDALE, A. C. The effect of environmental temperature on the composition of milk. (Abs.) J. Dairy Sci. 34:501. June 1951. 44.8 J822

67698 CRANDALL, W. T. Keep the heifers growing this summer. Dairymen's League News 35(13):6-7. June 26, 1951. 44.8 D1432

67699 DALLA FAVERA, R. Criteria for rational outdoor cattle raising. (In Italian.) Humus 7(1):13-15. Jan. 1951. 16 H88

Italy.

67700 DODGE, W. A. Presenting materials on the junior dairy project to extension leaders. (Abs.) J. Dairy Sci. 34:512. June 1951. 44.8 J822

4-H Club work.

67701 DODGE, W. A. Unique teaching techniques on subject, milking and mastitis. (Abs.) J. Dairy Sci. 34:510-511. June 1951. 44.8 J822

67702 DUNCAN, T. A. Cattle as a factor in reducing flock wastage on hill country. Massey Agr. Col. Sheep-farming Annu. 3:191-196. Nov. 1950. 45.9 M38S

Includes discussion.

67703 FELLHAUER, T. Your 4-H purebred beef heifer and beef cow and calf projects. Wyo. Agr. Col. Ext. C. 117,43 p. May 1951. 275.29 W99C

67704 FOWLER, R. G., JR. Bull with 19 owners. Farm J. 75(7):29. July 1951. 6 F2212

Owned by 4-H Club members in Grant County, Oregon.

67705 GEE, E. P. The Chillingham cattle. Oryx 1:102-103. Mar. 1951. 410 Or9

Herd of wild cattle in England, maintained by Chillingham Wild Cattle Association, Ltd.

67706 GISH, E. R. A study of White Oaks Herd AR records, production methods and costs. Red Poll News 15(2):13,54-61. Mar./Apr. 1951. 43.8 R245

67707 GRANT, E. C. Beef and broilers—a profitable combination. Breeder-Stockman 13(2):38. July 1951. 49 V81

67708 GREENIE, C. W. The cost of a one-day test; cows may be tested either in the advanced registry division or in the herd improvement registry division to determine the production of milk and butter fat. Guernsey Breeders' J. [Peterborough] 82:718-721. July 4, 1951. 43.8 G93

Charges for advanced registry and herd improvement registry records in effect April, 1951, in each of the states.

67709 GREGORY, D. DHIA makes dairymen efficiency experts. Iowa Bur. Farmer 15(7):14-15. July 1951. 275.293 Iowa

67710 GROOT, T. DE. Big or small cows? II. (In Dutch.) Tijdschr. v. Diergeneesk. 76:480-484. July 1, 1951. 41.8 T431

Milk production.

67711 HAMMOND, J. The high cost of culling dairy cows. Farmer's Wk. [Bloemfontein] 81:10-11,13. May 16, 1951. 24 F225

67712 HANCOCK, J. Studies in monozygotic cattle twins. III. Uniformity trials: milk and butterfat production. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 31(5):23-39. Ref. Feb. 1950. 514 N48A

67713 HARRIS, L. E. Handling, care and grazing of cattle. Massey Agr. Col. Sheepfarming Annu. 3:197-200. Nov. 1950. 45.9 M38S

Includes discussion.

67714 HARRISON, C. Y. First impressions; I attend a Hereford sale! Amer. Hereford J. 42(5):132-133,904-905. July 1, 1951. 43.8 Am32

67715 HUGHES, G. P., and HARKER, K. W. The technique of weighing bullocks on summer grass. J. Agr. Sci. 40:403-409. Ref. Oct. 1950, pub. June 1951. 10 J822

67716 LES JOURNEES scientifiques de la production du lait à Paris (novembre 1950). Cahiers de Méd. Vét. 20:41-51. Mar./Apr. 1951. 41.8 C11

67717 KEUNE, O. Noch 1000-liter- "kühe" im bundesgebiet? Deut. Landwirt. Presse 74:85. Apr. 7, 1951. 18 D482

67718 KNOX, J. H., and others. Research on the College Ranch; a review of results from experiments in range management, nutrition of range cattle, beef cattle production. N. Mex. Agr. Expt. Sta. B. 359,32 p. Feb. 1951. 100 N465

W. E. Watkins, M. Koger, and K. A. Valentine, joint authors.

67719 KÖRPRICH, M. Der wert der kurzleistungsprüfung. Tierzüchter 3:344-345. June 20, 1951. 49 T445

Dairy cattle.

67720 KULLERUD, E. Judging cattle. (In Norwegian.) Norsk Landbr. 17:225-226. June 8, 1951. 11 N8122

67721 LAMMINGER. Gründung einer arbeitgemeinschaft zur förderung des melkerwesens. Bl. f. den Melker, p. 1. In Unser Milchvieh. Ausg. B/C 3(1). Jan. 1951. 43.8 Un72

67722 LASNIER-LACHAISE, L. La vache laitière, le lait, les produits laitiers; sommaire de production et de technologie laitières. Paris, Flammarion, 1951. 233 p. Ref. (La Terre, Encyclopédie Paysanne) 44 L335

67723 LIMA, J. P. Technical bases for the development of the cattle industry in central Brazil. (In Portuguese.) Rev. Mil. de Remonta e Vet. 10:21-23. Jan./June 1950. 41.8 R3219

- 67724 MCCLAIN, F. R., and COBB, W. T. 4-H beef calf manual. La. Agr. Col. Ext. P. 1087, 23 p. 275.29 L93Ep
- 67725 MAUNDER, J. C. J. Beef cattle production on some of the gulf watersheds. *Queensland Agr. J.* 72: 176-183. (Cont.) Mar. 1951. 23 Q33
- 67726 MILLER, M. H. Performance—that is the point which must always be paramount in this field, for beef is the ultimate end of our effort. *Amer. Hereford J.* 42(5): 152, 154, 900. July 1, 1951. 43.8 Am32
- 67727 MORLEY, A. More beef—and milk—for the nation; concentration on dairy type no service to our economy. (Sum.) *J. Red Poll Breed* 27(99):30-32. Spring 1951. 43.8 J82
- Great Britain.
- 67728 NICHOLS, M. B. Crianza de vacas lecheras en la sierra. *Holstein Colomb.* 5(28):36-39. Dec. 1950. 43.8 H744
- Ecuador.
- 67729 NIKLAS, W. Höchstmögliche leistung in der rinderhaltung. *Unser Milchvieh.* Ausg. B/C 3:1. Jan. 1951. 43.8 Un72
- 67730 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Calf rearing. *North. Ireland. Min. Agr. L.* 54,8 p. Apr. 1951. 10 N81
- 67731 PALMER, J. Care of replacement calves. *San Joaquin Val. Poultryman* 22(1):4. June 1951. 47.8 Sa53
- 67732 PETERSEN, W. E., GULLICKSON, T. W., and MIX, L. S. Influence of frequency of milking upon milk secretion. (Abs.) *J. Dairy Sci.* 34:502. June 1951. 44.8 J822
- 67733 PROULX, J. R. Contrôle laitier postal. *Terre de Chez Nous* 23(13):17, 21. May 23, 1951. 7 T27
- Quebec.
- 67734 ROMOLOTTI, A. Outdoor cattle raising in Sicily. (In Italian.) *Humus* 7(2):11-13. Feb. 1951. 16 H88
- 67735 ROSA E SILVA NETO, J. M. DA. Production of milk in the Brazilian Northeast. (In Portuguese.) *Per-nambuco. Sec. de Agr. Indus. e Com. B.* 16:136-165. Ref. July/Dec. 1949, pub. 1950. 9.2 P423
- Milking records.
- English summary.
- 67736 ROUX, Une stratégie zootechnique de la production du lait. (Abs.) *Cahiers de Méd. Vét.* 20:43. Mar./Apr. 1951. 41.8 C11
- 67737 ROUX, P. L'abattage prématuré des veaux. *Acad. d'Agr. de France. Compt. Rend.* 37:307-309. May 9/16, 1951. 14 P215Bc
- 67738 RUSSELL, H. G. Hereford tours are good business; plan them carefully and they pay dividends. *Amer. Hereford J.* 42(5):672, 674, 676, 678. July 1, 1951. 43.8 Am32
- 67739 SCRUGGS, C. G. Balmorhea spotlights better bulls. *Prog. Farmer, Tex. Ed.* 66(7):15, 70, 82. July 1951. 6 T311
- Progeny testing program at the Balmorhea Experiment Station in Texas.
- 67740 SEATH, D. M., and MCCULLOUGH, M. The influence of season on persistency of milk production. (Abs.) *J. Dairy Sci.* 34:501-502. June 1951. 44.8 J822
- 67741 SENGHER, M. E. Why some farmers use and others do not use the D.H.I.A. program in Howard County, Md. (Abs.) *J. Dairy Sci.* 34:512. June 1951. 44.8 J822
- 67742 SHEEHY, E. J. Profit or loss from young cattle. *Agr. Ireland* 8:157, 159-160. July 1951. 10.5 Ag8
- Care and feeding.
- 67743 SINGH, B. N., and PLUM, M. The relationship between early growth and later butterfat production in dairy cows. (Abs.) *J. Dairy Sci.* 34:504. June 1951. 44.8 J822
- 67744 SKJERVOLD, H. Proposals for new method of judging cattle at our cattle exhibitions. (In Norwegian.) *Norsk Landbr.* 17:242-245. June 22, 1951. 11 N8122
- 67745 SMITH, A. L., and TIMM, T. R. Don't stray from the fundamentals. *Cattleman* 38(2):108. July 1951. 49 C29
- Beef production.
- 67746 SMITH, J. G. Real cattlemen of tomorrow; they are the thousands of Texas youngsters with commercial cattle as FFA-4-H projects. *West. Live Stock* 36(10):14-15, 58-60. May 1951. 49 W523
- 67747 SNOOK, W. V. Newcomers—make more use of the grading scheme. *J. Red Poll Breed* 27(99):52-53. Spring 1951. 43.8 J82
- Dual purpose cattle.
- 67748 SOUTHERN RHODESIA. DEPT. OF AGRICULTURE AND LANDS. DAIRY BR. Southern Rhodesia Milk Recording Scheme. *Rhodesia Agr. J.* 48:69-77. Jan./Feb. 1951. 24 R34
- 67749 SWEETMAN, W. J., MIDDLETON, W. R., and SWINGLE, F. Raising dairy calves and heifers in Alaska. *Alaska. Agr. Expt. Sta. C.* 17, 12 p. May 1951. 100 AL122E
- 67750 TAGLE, E. C. Bovinos de carne; su cría. *Rev. Ganad. [Habana]* 11(7):55-64. (Concl.) July 1951. 49 R321
- Care, equipment, etc.
- 67751 TORRENS PASTOR, A. Los primeros resultados del control lechero en Mallorca. *Balearic Isl. Diputación Prov. B. de Agr.* 78:10-11. Mar. 1951. 15 B19
- 67752 TURNER, F. Cattle rustling—still an active racket. *Breeder-Stockman* 13(2):7-9, 48. July 1951. 49 V81
- 67753 VERSCHUIJL, H. Measures adopted in the Netherlands for increasing the productivity of livestock. (In Italian.) *B. dell'Agr.* 85(10):4-5. May 18, 1951. 16 B87
- Dairy cattle control and breeding.
- 67754 VIAL, J. M. How to produce quality beef calves. *Md. Agr. Col. Ext. Fact Sheet* 22, 2 p. Apr. 1951. 275.29 M36FA
- 67755 VOELKER, D. E. Culling practices in Iowa DHIA herds. (Abs.) *J. Dairy Sci.* 34:511-512. June 1951. 44.8 J822
- 67756 WILLMAN, H. A. The basis of developing a sound 4-H dairy program. (Abs.) *J. Dairy Sci.* 34:512-513. June 1951. 44.8 J822
- 67757 YOUR calves: what to do with them to make the most of them. *Amer. Hereford J.* 42(5):463-464, 493-494, 840, 846, 848, 850, 852, 855-856, 858, 862, 866, 868, 870. July 1, 1951. 43.8 Am32
- Short articles on care and feeding of Hereford calves by T. Alexander, H. Parker, F. L. Jennings, H. L. Luckhardt, J. and M. Crowe, W. Drybread, W. R. Thurber, S. B. Marting, C. C. Long, A. Peterson, R. Purdy, and E. E. Johnson.
- 67758 ZAKI, M. H. The Menoufi type of buffalo: a suggested score-card. *Empire J. Expt. Agr.* 19:131-133. Apr. 1951. 10 Em7

DOGS AND CATS

Breeds and Breeding

- 67759 BAYLDON, R. C. The Doberman Pinscher, a German breed which has in it the qualities of trials winner, show specimen and companion combined. *Field* 198:31. July 7, 1951. 10 F45
- 67760 CAPPEL, M. VAN. Le Dogue français. *Chasse, Chiens et Vénérerie* 12(1):17-18. Feb. 1951. 48.8 C43
- 67761 CASTLE, C. The colours of Greyhounds; an analysis of Waterloo cup winners upholds the contention that red or fawn dogs are the best. *Field* 197:948. June 16, 1951. 10 F45
- 67762 DAMMANN, R. Elghunden og elgjakten [Elkhounds and elk hunting]. *Kragerø, Eget Forlag*, 1950. 164 p. 412.6 D18
- 67763 HORSWELL, L. A. Post-war trends in 20 breeds; second of six parts. Percentages of all-breed registration and show championship competition. *Amer. Kennel Gaz.* 68(5):17-22, 342-344. May 1951. 48.8 Am3
- 67764 INTERNATIONAL SHEEP DOG SOCIETY. Stud book, v. 2. Carnforth, Mayoh, 1951. 398 p. 48.9 In83
- 67765 LITTLE, C. C. Science and your Cocker; quantitative pigment differences in parti-colored Cockers. *Wagging Tail* 5(12):7-11. May 1951. 48.8 W12
- 67766 SCHAAL, K. Der Dachshund als kleiner gebrauchshund, rassehund oder bastard? *Pirsch* 3:420-421. May 26, 1951. 410 P66
- 67767 SMITH, A. C. Progress of the Afghan Hound. *Field* 197:923. June 9, 1951. 10 F45
- 67768 STETSON, J. Something about Spaniels; understanding of their background may be the key to better breeding and training. *Field & Stream* 56(3):107-108. July 1951. 410 F45
- 67769 SVENSKA KENNELKLUBBEN. Svenska Kennelklubbens stambok [Studbook of the Swedish Kennel Club] v. 46, 1950. Stockholm, Zetterlund & Thelander, 1951. 194 p. 48.9 Sv2
- 67770 TORREN, VAN DEN. De l'utilisation des Fox Terriers dans la chasse sous terre. *Chasse, Chiens et Vénérerie* 12(3):21-22. Apr. 1951. 48.8 C43

Feeds and Feeding

- 67771 TAYNTON, M. Food at the dog show; here's how it can be improved. *Amer. Kennel Gaz.* 68(7):15-16, 418-419. July 1951. 48.8 Am3
- 67772 WAGNER, A. Magic in honey? *Amer. Bee J.* 91:291. July 1951. 424.8 Am3
- Honey as food for dogs.

Veterinary Medicine

- 67773 AUBRY, P. L'ascaridiose des jeunes, péril que nous pouvons et devons éviter. *Chasse, Chiens et Vénérerie* 12(1):15-16. Feb.1951. 48.8 C43
- 67774 AXELROD, H. E., GULLBERG, M. G., and MORGAN, A. F. Carbohydrate metabolism in riboflavin-deficient dogs. *Amer. J. Physiol.* 165:604-619. Ref. June 1, 1951. 447.8 Am3
- 67775 BACKHAUS, E. Erfahrungen über die anwendung der thioseptsalbe beim ekzem des hundes. *Wien. Tierärztl. Monatsschr.* 38:382-384. June 1951. 41.8 T345
- 67776 BARBIERI, and BATTAGLIA. La néphrite du chien. *Chasse, Chiens et Vénérerie* 12(4):22. May 1951. 48.8 C43
- 67777 BAUMANN, R., and POMMER, A. Spätrachitis beim hund. *Wien. Tierärztl. Monatsschr.* 38:353-359. June 1951. 41.8 T345
- English summary.
- 67778 BEDNARA, M. Über die tollwut. *Münch. Med. Wchnschr.* 93:1202-1203, 1206. June 15, 1951. 448.8 M92
- Rabies in dogs, cats, and man.
- 67779 BISCHOFF, A. Rubazinvergiftung bei einem hund. *Wien. Tierärztl. Monatsschr.* 38:381-382. June 1951. 41.8 T345
- 67780 BORK, J. J. VAN, DALDERUP, L. M., and HIRSCHL, M. I. Convulsions chez des chiens adultes et nonadultes après administration de cardiazol. *Acta Physiol. et Pharmacol. Neerland.* 1:533-539. 1950, pub. Mar. 1951. 448.8 Ac83
- English summary.
- 67781 CHAPPEL, C. I., and ARCHIBALD, J. Vitalium bone plating in dogs: description of a practical technic and clinical observations. *Vet. Med.* 46:291-294. Aug. 1951. 41.8 M69
- 67782 CHRISTOPH, H. J. Über einen fall von laparozystotomie nach Überreiter bei einem hunde. *Monatsh. f. Vetmed.* 6:176-177. May 1, 1951. 41.8 M742
- 67783 COHRS, P. Toxoplasmose - enzephalitis des hundes. *Deut. Tierärztl. Wchnschr.* 58:161-163. June 1, 1951. 41.8 D482
- 67784 DAVIDSON, J. L., and others. Penicillin and sulfonamide blood levels in dogs following oral use of biosulfate tablets. *No. Amer. Vet.* 32:482-483. July 1951. 41.8 N812
- G. G. Stocking, J. W. Snyder, and M. A. Troost, joint authors.
- 67785 DONALDSON, A. W., and STEELE, J. H. Creeping eruption. *CDC Bulletin* 10(2):1-3. Feb. 1951. 151.65 C12
- Due to infection by larvae of dog hookworms, *Ancylostoma braziliense* and *A. caninum*.
- 67786 DONATIEN, A., GAYOT, G., and POUL, J. Leptospirose du chien en Algérie (deuxième note). *Inst. Pasteur d'Algérie. Arch.* 29:20-24. Mar. 1951. 448.3 In7A
- 67787 FLÜCKIGER, G. Le problème de la vaccination antirabique chez le chien. *Schweiz. Arch. f. Tierheilk.* 93:352-359. May 1951. 41.8 Sch9
- English summary.
- 67788 FREUDIGER, U. Zwei fälle von hepatitis contagiosa canis (Rubarth) aus dem einzugsgebiet von Bern. *Schweiz. Arch. f. Tierheilk.* 93:404-410. June 1951. 41.8 Sch9
- English summary.
- 67789 FRITZ, D. Lymphocytomatosis in a dog. *Iowa State Col. Vet.* 13:176-177. 1951. 41.8 V6425
- 67790 GOLDSMITH, B. Congestive heart failure in dogs. *Amer. Vet. Med. Assoc. J.* 119:62-65. July 1951. 41.8 Am3
- 67791 GONZALES-MUGABURU, L., and PARRA Q, B. *Ancylostoma caninum* en perros de la Zona Alta del Valle del Rimac. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:202-204. Dec. 1950. 41.9 Un37
- English summary.
- 67792 GRAY, J. A. B., and MATTHEWS, P. B. C. Response of pacinian corpuscles in the cat's toe. *J. Physiol.* 113:475-482. May 28, 1951. 447.8 J82
- 67793 GROBON, D. Une nouvelle méthode très efficace dans la guérison des troubles nerveux de paralysés et des plaies rebelles chez les chiens et les chats. *Chasse, Chiens et Vénérerie* 12(2):19-20. Mar. 1951. 48.8 C43
- 67794 HUBER, W. Sur une fente médiane intéressante l'os intermaxillaire chez le chien. *Schweiz. Gesell. f. Vererbforsch. Jahresber.* 10:514-518. 1950. 443.9 Sch9
- 67795 JACKSON, L. Histoplasmosis in a dog. *Vet. Med.* 46:329-330. Aug. 1951. 41.8 M69
- 67796 KLARENBECK, A. De ziekten van de hond [Diseases of the dog]. Leiden, Stenfert Kroese, 1950. 330 p. 41 K66Z
- 67797 KORKHAUS, R. Erfahrungen mit Mandavermin bei der askaridose des hundes. *Tierärztl. Umschau* 6:247-248. Ref. July 1951. 41.8 T445
- 67798 LADD, R. L., GOLDSTINE, M. T., and BURNS, O. R. A study in transplanted rat and spontaneous dog tumors of growth accelerating and inhibiting factors from duodenal tissue of hogs, sheep and dogs. *II. Growth* 14:265-275. Ref. Dec. 1950. 442.8 G91
- 67799 LIEGEOIS, F., and DERIVAUX, J. Considérations sur la "maladie des chiens." *Ann. de Méd. Vét.* 95:65-79. Mar. 1951. 41.8 An78
- Includes canine distemper, hard pad disease, and canine infectious hepatitis.
- 67800 LOEPFER, A. Acarus-räude-demodikose der hunde. *Pirsch* 3:214. Mar. 17, 1951. 410 P66
- Demodex canis.
- 67801 MCILNAY, J. N. Diabetes in the dog; treatment with insulin. *Iowa Vet.* 22(4):16-17, 34. July/Aug. 1951. 48.8 Io9
- 67802 MARK, J. H., and BURLEIGH, R. M. Canine pancreatitis; case report. *No. Amer. Vet.* 32:559-561. Aug. 1951. 41.8 N812
- 67803 MORSE, E. V., KOWALCZYK, T., and BEACH, B. A. The bacteriologic aspects of experimental brucellosis in dogs following oral exposure. I. Effects of feeding aborted fetuses and placentas to adult dogs. *Amer. J. Vet. Res.* 12:219-223. Ref. July 1951. 41.8 Am3A
- 67804 OTTEN, E. Papillomastosis der mundscheidhaut beim hunde; die chirurgische behandlung mittels thermokauter. *Tierärztl. Umschau* 6:243-244. July 1951. 41.8 T445
- 67805 PIERCY, S. E. Canine leptospirosis in Kenya. *Vet. Rec.* 63:425-427. June 23, 1951. 41.8 V641
- 67806 PLATT, H. Canine chronic nephritis. I. Observations on the pathology of the kidney. *J. Compar. Path. & Ther.* 61:140-149. Apr. 1951. 41.8 J82
- 67807 POLTE, K. Protosil lösliche bei äusseren augenerkrankungen in der hundepaxis. *Monatsh. f. Vetmed.* 6:191. May 15, 1951. 41.8 M742
- 67808 RAKOWER C., M. El "complejo" del distemper canino. I. Profilaxis; II. Cuadro clínico. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:89-101. Ref. Dec. 1950. 41.9 Un37
- 67809 RICKETTS, V. L. Distemper vaccination is important. *All-Pets Mag.* 22(5):40-42. May 1951. 48.8 AL5
- 67810 RIVAS BERROCAL, E. Concentración de sulfametazina en la sangre del perro y su acción sobre los elementos figurados. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:114-122. Ref. Dec. 1950. 41.9 Un37
- English summary.
- 67811 ROBINSON, V. B., and SCHELL, F. G. Blastomycosis in a dog; case report. *No. Amer. Vet.* 32:555-558. Ref. Aug. 1951. 41.8 N812
- 67812 RUIZ URBINA, H. Empleo del propionato de testosterona en animales menores. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:212-214. Ref. Dec. 1950. 41.9 Un37
- English summary.
- Dogs.
- 67813 SCHMIDT, J., and LEIDL, W. Fermentative behandlung der askaridosis bei hunden und katzen. *Monatsh. f. Vetmed.* 6:185-186. May 15, 1951. 41.8 M742
- 67814 SCHOLTEN, R. Urethral calculi in a dog. *Iowa State Col. Vet.* 13:173-174. 1951. 41.8 V6425
- 67815 SEWARD, C. O. The use of barium in studying the digestive tract of the dog. *Amer. Vet. Med. Assoc. J.* 119:125-129. Aug. 1951. 41.8 Am3
- 67816 SIEKA, M. Treatment of demodicosis of dogs. (In Polish.) *Med. Veter.* 7:246-247. Apr. 1951. 41.8 M463
- Demodex folliculorum.
- 67817 SNYDER, R. C., and SKELLEY, J. F. Use of hyaluronidase to aid absorption of distemper vaccine, distemper serum and hypodermoclysis solutions in veterinary practice. *Pa. U. Sch. Vet. Med. Vet. Ext. Q.* 123:110-113. June 14, 1951. 41.9 P386
- 67818 SNYDER, W. E. Vesical calculus in puppy. *No. Amer. Vet.* 32:483-484. July 1951. 41.8 N812

67819 STETSON, J. Running fits; possible causes and what we can do. *Field & Stream* 56(3):109. July 1951. 410 F45

67820 STUBENRAUCH, M. Versuche über die Behandlung der Staupe mit Viperabrusus-(kreuzottern-)toxin. *Monatsh. f. Vetmed.* 6:213-215. Ref. June 1, 1951. 41.8 M742

67821 TERRY, J. R. An unusual lipoma in a dog. *Iowa State Col. Vet.* 13:175-176. 1951. 41.8 V6425

67822 THORPE, D. K. Diaphragmatic hernia in a dog. *Iowa State Col. Vet.* 13:177-178. 1951. 41.8 V6425

67823 TICKS, hot spots, fleas, flies, lice, skin diseases and other hot weather foes of the dog. *Dog World* [Chicago] 1951:1,3-4. July 1951. 48.8 D672

67824 USHAKOVA, M. T. Weight changes of internal organs during growth and their weight indexes in dogs. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirjazeva. Dok.* 12:86-91. 1950. 20 M875

67825 VIECK, G. Die tuberkulose des hundes. *Pirsch* 3:264-265. Mar. 31, 1951. 410 P66

67826 WIRTS, C. W., and others. Bile volume and excretion of pigment and bromsulphalein in dogs receiving carbon tetrachloride. *Amer. J. Physiol.* 165:680-687. June 1, 1951. 447.8 Am3

A. Cantarow, W. J. Snape, and B. Delserone, joint authors.

Miscellaneous

67827 BLACKISTON, E. Dog management and training. London, Jenkins, 1951. 192 p. 48 B56D

67828 CASTAING, J. Dressage et utilisation du chien d'arrêt. *Chasse, Chiens et Vénérerie* 12(2):15. Mar. 1951. 48.8 C43

67829 CASTAING, J. Education du chien d'arrêt. *Chasse, Chiens et Vénérerie* 12(3):23;(4):17. (Cont.) Apr.-May 1951. 48.8 C43

67830 CASTLE, C. Scientific dog management and breeding. London, Kaye, 1951. 128 p. 48 C272

67831 DAGLISH, E. F. The dog owner's guide. Rev. ed. London, Dent, 1950. 240 p. 48 D132

Includes breeds.
67832 DAUBIGNE, P. Chiens de vénerie. *Chasse, Chiens et Vénérerie* 12(2):18,20;(4):20-21. (Concl.) Mar., May 1951. 48.8 C43

67833 DICTIONARY of dog colors. *Dog World* [Chicago] 1951:23. July 1951. 48.8 D672

67834 EKLUNDH, A., ed. Min bästa hund; kända hundägare berättar [My best dog; tales by wellknown dog owners]. Ed. 2. Stockholm, Wahlström & Widstrand, 1950. 272 p. 48 Ek5

67835 GRISONI, J. Chiens et chasse en Suisse. *Chasse, Chiens et Vénérerie* 12(1):26-27. Feb. 1951. 48.8 C43

67836 HECQUET, A. Au sujet des empreintes nasales. *Chasse, Chiens et Vénérerie* 12(1):16. Feb. 1951. 48.8 C43

67837 JENKINS, M. S. Who is responsible? Do too many of the wrong people find it too easy to get dogs? *Amer. Kennel Gaz.* 68(5):23-25, 356. May 1951. 48.8 Am3

67838 LOWRY, R. K. Put those clippers down! *All-Pets Mag.* 22(5):43-44. May 1951. 48.8 AL5

67839 MAYES, S. H. Must obedience go its own way? Is limitation of obedience entries at all-breed shows making separation inevitable? *Amer. Kennel Gaz.* 68(5):11-13, 345-346. May 1951. 48.8 Am3

67840 MOXON, P. R. A. Training a dog on pigeons. *Field* 197:989-990. June 23, 1951. 10 F45

67841 MOXON, P. R. A. When a dog faces water; a puppy is easily taught to work in it if he is given confidence and shown that it is pleasant. *Field* 198:16. July 7, 1951. 10 F45

67842 SCARFO, G. L'épaule; élément capital pour le jugement d'un chien. *Chasse, Chiens et Vénérerie* 12(2):21-22. Mar. 1951. 48.8 C43

67843 SEITZ, R. L. Dog photography—thy name is patience. *Amer. Kennel Gaz.* 68(7):23, 30, 112. July 1951. 48.8 Am3

67844 SIX, J. Principes généraux pour le dressage du chien. *Chasse, Chiens et Vénérerie* 12(3):19-20. (To be cont.) Apr. 1951. 48.8 C43

67845 SOOT, G. Hunden og vi [The dog and we]. Oslo, Gyldendal Norsk Forlag, 1950. 326 p. Ref. 48 So6

67846 TAYNTON, M. How to make your dog show really click. *Amer. Kennel Gaz.* 68(5):26-28, 355. May 1951. 48.8 Am3

67847 THOUNY, V. Les droits de l'animal. V. Chasse, Chiens et Vénérerie 12(4):23. May 1951. 48.8 C43

67848 WIMHURST, C. G. Train your dog. *All-Pets Mag.* 22(5):40, 44. May 1951. 48.8 AL5

67849 ZEUNER, F. E. The cat. *Oryx* 1:65-71. Mar. 1951. 410 Or9

Evolution, history, breeds.

FUR ANIMALS - PEN RAISED

Breeds and Breeding

67850 AMERICAN NATIONAL FUR BREEDERS ASSOCIATION. Reports, 28th annual meeting, June 20, 1951. *Amer. Natl. Fur & Mkt. J.* 29(12):7-11. July 1951. 412.629 Am3M

67851 BOWNESS, E. R. Sound reasons for the return of Silver foxes. *Black Fox Mag. & Mod. Mink Breeder* 35(2):12-13, 22-23. June 1951. 410 B56

67852 GLADFELTER, M. R., and others. Is there still a place for Platynums? *Amer. Fur Breeder* 24(6):16, 42-43. June 1951. 410 Am33

L. W. Gibson, W. S. Cox, N. Starr, and G. H. Mayers, joint authors.

67853 GROSSE, O. H., and others. Is the so-called Two-Tone going to replace the Standard Dark? *Amer. Fur Breeder* 24(6):10-11, 32, 34, 36-38. June 1951. 410 Am33

A. MacArthur, H. Mezger, G. W. Berry, and F. Gothier, joint authors.

67854 GROSSE, O. H., GIBSON, L. W., and SPACE, R. What are the Pastels of the future? *Amer. Fur Breeder* 24(6):12-13, 39. June 1951. 410 Am33

67855 JARL, F. Some interesting experiments in feeding of Silver foxes. (In Swedish.) *Våra Pälsdjur* 22:145-147. June 15, 1951. 410 V42

67856 LANDON, H. When does a Pastel become a Royal Pastel? *Amer. Fur Breeder* 24(6):18, 47-48. June 1951. 410 Am33

Trademark names.

67857 LEE, D., CORN, E. B., and COX, W. S. What to look for in breeding Sapphires. *Amer. Fur Breeder* 24(6):14, 39-41. June 1951. 410 Am33

67858 RANCICH, G. A. Quality and consequences in herd improvement; chinchilla grading and ranch inspection. *Natl. Chinchilla Breeder* 7(5):10-11. July 1951. 412.628 N21

67859 REE, J. C., CHRISTENSEN, E., and HEDLUND, K. S. The Ruby-Eye Pastel—what it is and the future for it. *Amer. Fur Breeder* 24(6):15, 41-42. June 1951. 410 Am33

67860 REINHARDT, P. L. Nutria breeding is popular in central Europe. *Black Fox Mag. & Mod. Mink Breeder* 35(1):9, 20-21. May 1951. 410 B56

67861 SCHULZE, G. Blaufuchsplauderei. *Deut. Pelztierzüchter* 25:49-50. Mar. 25, 1951. 412.628 D48

67862 SPENCER, N. Artificial insemination in mink. *Amer. Fur Breeder* 24(7):8, 28-30. July 1951. 410 Am33

67863 ZANKER, S. Der albino-bastard in der zukünftigen Nutriazucht. *Deut. Pelztierzüchter* 25:109-111. June 25, 1951. 412.628 D48

67864 ZANKER, S. Nutriazucht am scheidewege. *Deut. Pelztierzüchter* 25:71-74. Apr. 25, 1951. 412.628 D48

Feeds and Feeding

67865 HOWELL, R. E. Poultry by-products and mink reproduction. *Natl. Fur News* 23(6):9. July 1951. 412.628 R59

Effects of feeding.

Also in *Fur J.* 17(3):5, 12. May/June 1951. 412.628 F969; *Amer. Natl. Fur & Mkt. J.* 29(12):13. July 1951. 412.629 Am3M

67866 HURD, R. Shall we feed sunflower seeds? *Fur Trade J. Canada* 28(10):18-20. June 1951. 410 F965

For chinchillas.
67867 KLEPPENES, K. The mink farm. (In Swedish.) *Våra Pälsdjur* 22:151. June 15, 1951. 410 V42

Nutrition.
67868 PEDERSEN, R. Coypus. (In Swedish.) *Våra Pälsdjur* 22:154-156. June 15, 1951. 410 V42

Nutrition.
67869 PETERSON, D. W. Feeding suggestions for mink. *Natl. Fur News* 23(6):10. July 1951. 412.628 R59

67870 SCHWAB, G. R. Feeding our chinchillas. *Fur Trade J. Canada* 28(9):18-19, 22-23. May 1951. 410 F965

67871 STEINEMANN, P. Probleme der fuchsfütterung. *Deut. Pelztierzüchter* 25:15-17. Jan. 25, 1951. 412.628 D48

67872 WALSH, M. R. The problem of chinchilla nutrition. *Natl. Chinchilla Breeder* 7(5):7, 21-22. July 1951. 412.628 N21

Veterinary Medicine

- 67873 ALLEN, E. V. At littering time this is how we do it. *Natl. Chinchilla Breeder* 7(5):12,24-26. July 1951. 41.2.628 N21
- 67874 BAKER, G. A., and GORHAM, J. R. Streptococcal septicemia in ranch-raised marten. *No. Amer. Vet.* 32:561. Aug. 1951. 41.8 N812
- Due to *Streptococcus zooepidemicus*.
- 67875 GORHAM, J. R., and BAKER, G. A. Vitamin E in relationship to steatitis in mink. *Amer. Natl. Fur & Mkt. J.* 29(12):12. July 1951. 41.2.629 Am3M
- Also in *Natl. Fur News* 23(6):13,28. July 1951. 41.2.628 R59
- 67876 KEAGY, H. F., and KEAGY, E. H. Your veterinarian and you. *Natl. Chinchilla Breeder* 7(5):11,16. July 1951. 41.2.628 N21
- 67877 MCGAUGHEY, C. A. Hydrocyanic acid poisoning in nutrias caused by cassava (*Manihot utilisima* Pohl). *Brit. Vet. J.* 107:279-280. June 1951. 41.8 V643
- 67878 MASON, K. E., and HARTSOUGH, G. R. "Steatitis" or "yellow fat" in mink, and its relation to dietary fats and inadequacy of vitamin E. *Amer. Vet. Med. Assoc. J.* 119:72-75. Ref. July 1951. 41.8 Am3
- 67879 MATTISON, J. R. Intestinal obstruction in a chinchilla. *Iowa State Col. Vet.* 13:178. 1951. 41.8 V6425

Miscellaneous

- 67880 HAMM, W. Nutria-halter oder nutria-züchter? *Deut. Pelztierzüchter* 25:33-35. Feb. 25, 1951. 41.2.628 D48
- 67881 LONDON, H. I. Trade marks, their use and mis-use. *Black Fox Mag. & Mod. Mink Breeder* 35(1):13. 22. May 1951. 41.0 B56
- On mink colors.
- 67882 RÖHRS, H. D. Pelzentwicklung und kleinklima. *Deut. Pelztierzüchter* 25:50-51. Mar. 25, 1951. 41.2.628 D48
- 67883 SCHMIDT, F. Über die haltung von mardern. *Deut. Pelztierzüchter* 25:35-37. Feb. 25, 1951. 41.2.628 D48
- 67884 U. S. SOIL CONSERVATION SERV. NORTHERN GREAT PLAINS REGION. Management of marshes in the Northern Great Plains for fur production. Preliminary ed., by M. S. McMurtrey. Lincoln, Nebr., 1951. 9 p. 1.9607 M312
- 67885 ZIESKE, R. "25 Jahre DPZ"—von der pelztierwirtschaft. *Deut. Pelztierzüchter* 25:117-119. June 25, 1951. 41.2.628 D48

HORSES AND MULESBreeds and Breeding

- 67886 BAUMANN, J. Über die konkreten gegebenenheiten in unserer pferdezucht, die sich stellenden bedürfnisse und probleme und die daher zu befolgenden zuchtmethoden. *Schweiz. Landwirt. Monatsh.* 1951:153-160. May 20, 1951. 17 Sch93
- 67887 CHÂLES DE BEAULIEU, F. Der staat und die Vollblutzücht. *Tierzüchter* 3:340-341. June 20, 1951. 49 T445
- Germany
- 67888 HELLBUSCH, C. E. Bred to win. *West. Live-stock J.* 29(38):134-135,157. June 15, 1951. 6 F2278
- Quarter House breeding.
- 67889 JORDÃO, L. P., CAMARGO, M. X. DE, and GOUVEIA, P. F. Efficiency, in reproduction, of the Mangalarga enterprise of the Coudelaria Paulista. (In Portuguese.) *Rev. Mil. de Remonta e Vet.* 10:108-109. July/Sept. 1950. 41.8 R3219
- 67890 JORDÃO, L. P., and GOUVEIA, P. F. Reproductive efficiency of Thoroughbreds in São Paulo. (In Portuguese.) *Rev. Mil. de Remonta e Vet.* 10:105-107. July/Sept. 1950. 41.8 R3219
- 67891 JORDÃO, L. P., and CAMARGO, M. X. DE. Study on some measurements of the Mangalarga horse, raised in the Coudelaria Paulista. (In Portuguese.) *B. de Indús. Anim. (n.s.)* 11(3/4):81-95. Dec. 1950. 49 R324
- English summary.
- 67892 NYE, N. C. Notes on Quarter Horses, champion of the equines. *West. Live Stock* 36(9):18,62-63, 66. Apr. 1951. 49 W523
- 67893 TAYLOR, L. Born great—fabled Red Man continues to sire many of Arizona's finest colts. *West. Livestock J.* 29(38):143,145-148. June 15, 1951. 6 F2278

Feeds and Feeding

- 67894 EHRENBURG, P. Mineralstoffversorgung von fohlen und mutterstute auf der weide. *Tierzüchter* 3:318-319. June 5, 1951. 49 T445
- 67895 SILVA, H. M. DA. Suggestions for a table of rations for pure-blood horses. (In Portuguese.) *Rev. Mil. de Remonta e Vet.* 10:59-68. Jan./June 1950. 41.8 R3219

Veterinary Medicine

- 67896 BARRETO, L. F. Veterinary notes. I. Hypertrophy of the [nasal] conchae [in a horse]. (In Portuguese.) *Rev. Mil. de Remonta e Vet.* 10:17-20. Jan./June 1950. 41.8 R3219
- 67897 BEHRENS, H. Die blut-liquor-schranke beim pferd. 4. Der zuckergehalt der cerebrospinalflüssigkeit und des blutes. *Deut. Tierärztl. Wchnschr.* 58:205-206. July 1, 1951. 41.8 D482
- 67898 BEHRENS, H. Die intrazisternale penicillin-injektion beim pferd. *Monatsh. f. Vetmed.* 6:209-213. June 1, 1951. 41.8 M742
- 67899 BORGHINI, C., and BAGNASCO, G. Fixation abscess in the treatment of paroxysmal myoglobinuria of the horse. (In Italian.) *Prog. Vet.* 6:310,312,314. May 15, 1951. 41.8 P942
- 67900 BOUGHTON, D. C. Low-level doses of phenothiazine control horse strongyles. *Du Pont de Nemours, E. I. & Co. Agr. News Let.* 19:65-68. July/Aug. 1951. 6 D92
- 67901 BOWER, A. A report on worm research, and a glance at the future. *Blood-Horse* 61:1149,1160. June 30, 1951. 42.8 T392
- 67902 BUNSE. Enzootische polymyositis der fohlen. *Deut. Tierärztl. Wchnschr.* 58:183-184. June 15, 1951. 41.8 D482
- 67903 DEÜBLER, M. J. Endocervicitis in mares (a preliminary report on the use of routine cervical cultures). *Pa. U. Sch. Vet. Med. Vet. Ext. Q.* 123:114-115. June 14, 1951. 41.9 P386
- 67904 DOBROWOLSKA, D., and GRABDA, E. The annual cycle of the excretion of nematodes eggs in horses. (In Polish.) *Med. Veter.* 7:235-236. Apr. 1951. 41.8 M463
- French summary.
- 67905 FEY, H. Versuche zum nachweis von anti-streptolysin im serum streptokokken-infizierter pferde. *Schweiz. Arch. f. Tierheilk.* 93:265-275. Ref. Apr. 1951. 41.8 Sch9
- English summary.
- 67906 FOSTER, E. C. Experiences with ophthalmia. *Md. Horse* 16(7):33-35. July 1951. 42.8 M36
- 67907 FULLAGER, H. R. X-ray treatments for leg injuries; calcium deposits and scar tissues are reduced and dissipated through breakdown of corpuscles. *Blood-Horse* 62:16-17. July 7, 1951. 42.8 T392
- 67908 GASSE, H., and PERDRIX, J. L'avortement contagieux des juments, étudié dans le Département des Côtes-du-Nord. *Paris, Vigot, 1950.* 55 p. 41 G212
- 67909 GIL FORTUN, F. Poliomielitis y algunas enfermedades de los animales. *B. de Divulg. Ganad. [Ciudad Real]* 6(58/60):5-12. Jan./Mar. 1951. 49.9 Sp14
- Comparison of Borna disease, avian leukosis, and poliomyelitis.
- 67910 GROVES, L. W. Large animal anesthesia. *Amer. Vet. Med. Assoc. J.* 119:50-54. Ref. July 1951. 41.8 Am3
- Horses and cattle.
- 67911 HANSEN, M. F., and others. Six blood values in Thoroughbred stallions, mares in foal, barren mares, and weanlings. *Ky. Agr. Expt. Sta. B.* 555,19 p. June 1950. 100 K41
- A. C. Todd, G. W. Kelley, and M. Cawein, joint authors.
- 67912 HERNÁNDEZ ROCA, C. Desprendimiento total de la articulación cuartilla-corona en un híbrido hembra. *Veterinaria* 15:377-378. May 1951. 41.8 V6429
- 67913 IRWIN, C. F. P., and PULSFORD, M. F. Enzootic myoglobinuria in a horse. *Austral. Vet. J.* 27:101-102. May 1951. 41.8 Au72
- 67914 JANISZEWSKI, J. A case of a ruptured aorta in a horse. (In Polish.) *Med. Veter.* 7:247. Apr. 1951. 41.8 M463
- 67915 JASKOWSKI, L. Observations on artificial insemination of mares as an auxiliary method of the control of infectious anaemia in horses. (In Polish.) *Med. Veter.* 7:239-242. Ref. Apr. 1951. 41.8 M463
- 67916 JENSEN, L. A. Cresol sensitivity in a Palomino. *Iowa State Col. Vet.* 13:172-173. 1951. 41.8 V6425
- 67917 JURADO, F. R. El aborto infeccioso en el ganado equino. *Asoc. Rur. del Uruguay. Rev.* 78(4/5):19-20. Apr./May 1951. 9.9 As5

- 67918 KALUSCH, A. Die bekämpfung der beschäl-seuche in Österreich in den jahren 1946 bis 1950. Wien. Tierärztl. Monatsschr. 38:375-381. June 1951. 41.8 T345
English summary.
- 67919 KAWASHIMA, H. Les épizooties d'encéphalo-myélite japonaise sur les animaux domestiques en 1947, 1948 et 1949. Off. Internatl. des Epiz. B. 35:247-249. May/June 1951. 41.8 Of2
- 67920 LARRAIN P. J. El caballo como motor animal. Rev. Ganad. [Habana] 11(7):33-40,51-54. July 1951. 49 R321
- 67921 LEUTHOLD, A. Röntgendiagnose und huf-abszess. Schweiz. Arch. f. Tierheilk. 93:308-313. May 1951. 41.8 Sch9
English summary.
Horses.
- 67922 LUHRS. Über eine unfall eines pferdes bei der räudebegasung. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:67-69. Apr.1951. 41.8 B45
- 67923 MANNINGER, R. Virus abortions in mares. (In Polish.) Med. Weter. 7:169-171. Mar.1951. 41.8 M463
- 67924 MARTÍNEZ PÉREZ, P. La hemoglobinuria o hematuria de los muleros (recién nacidos) y principalmente los hijos de yeguas y garafón (Equus mulus). B. de Zootec. 7:43-48. Feb.1,1951. 41.9 Sol6
- 67925 MEGINNIS, P. J., and LUTTERBECK, E. F. Roentgen therapy of inflammatory conditions affecting the legs of Thoroughbred horses. No. Amer. Vet. 32:540-546. Aug.1951. 41.8 N812
- 67926 MELLO, M. T. DE, and COSTA, M. Incidence of strangles in the Equidae of the Brazilian Army (1944-1949). (In Portuguese.) Rev. Mil. de Remonta e Vet. 10:79-82. July/Sept.1950. 41.8 R3219
English summary.
- 67927 MELLO, M. T. DE. Serum against strangles: preparation and accidents. (In Portuguese.) Rev. Mil. de Remonta e Vet. 10:83-93. Ref. July/Sept.1950. 41.8 R3219
English summary.
- 67928 MONTEVERDE, J. J., and GARBERS, G. V. First observations in Argentina, of mares with metritis produced by bacteria of the Klebsiella group. (In Portuguese.) (Abs.) Rev. Mil. de Remonta e Vet. 10:104. July/Sept.1950. 41.8 R3219
- 67929 MÜLLER, L. F. Ein fall von zerreiſung des lig. intercolicum mit längsachsendrehung und einklemmung der beckenflexur beim pferde. Deut. Tierärztl. Wchnschr. 58:181-182. June 15,1951. 41.8 D482
- 67930 ÖSTERLING, S. A case of torsio funiculi spermatici in a stallion. (In Swedish.) Nord. Vetmed. 3:538-542. June 1951. 41.8 N813
English summary.
- 67931 PINTO, A. A. Diseases of the new-born [foal]. (In Portuguese.) Rev. Mil. de Remonta e Vet. 10:25-43. Jan./June 1950. 41.8 R3219
Includes congenital abnormalities.
- 67932 RETAMALES, R. Osteotomy and skeletal traction in the maxillary bone. (In Portuguese.) Rev. Mil. de Remonta e Vet. 10:95-99. July/Sept.1950. 41.8 R3219
English summary.
Correction of congenital deformation in a mare.
- 67933 SANTIAGO LUQUE, J. M. Consideraciones clínicas sobre el diagnóstico y tratamiento de las enfermedades de las vías respiratorias en los équidos. Veterinaria 15:281-290. Apr.1951. 41.8 V6429
- 67934 SIERZPOWSKI, A. Three cases of laceration of the perineum in a mare during parturition. (In Polish.) Med. Veter. 7:243-245. Apr.1951. 41.8 M463
- 67935 SIMMS, B. T. Infectious equine encephalomyelitis in the United States in 1950. (Abs.) Amer. Vet. Med. Assoc. J. 119:110-111. Aug.1951. 41.8 Am3
- 67936 SORIA, G. E. Las vacunas preventivas de la encefalomielititis equina. Chacra 21(247):8-9. June 1951. 9 C34
- 67937 STECK, W. Untersuchungen über die ursachen des regionalen auftretens der Valléeschen krankheit (infektiösen anämie) der pferde. Schweiz. Arch. f. Tierheilk. 93:313-319. May 1951. 41.8 Sch9
English summary.
- 67938 SWIĘCH, S. Three cases of the retention of the afterbirth in mare. (In Polish.) Med. Weter. 7:190-191. Mar.1951. 41.8 M463
- 67939 UNDRITZ, A. Ueber ein pathognomonisches symptom bei der magenruptur des pferdes. Deut. Tierärztl. Wchnschr. 58:181. June 15,1951. 41.8 D482
- 67940 VAITSMAN, J. Foot rot in animals. (In Portuguese.) Seleç. Agr. 6(61):55-56. May 1951 9.2 Se4
Horses and sheep.
- 67941 VOELKEL, Z. A case of successful treatment of an open joint in a horse. (In Polish.) Med. Weter. 7:190. Mar.1951. 41.8 M463
- 67942 WEISCHER, F. Kluppenkastration von 15000 hengsten mit nur 5 todesfällen und von über 10000 bullen ohne jeden verlust. Tierärztl. Umschau 6:239-243. Ref. July 1951. 41.8 T445
- 67943 ZIEGLER, H. Über die bildung des hufhorns. Schweiz. Arch. f. Tierheilk. 93:295-307. May 1951. 41.8 Sch9
English summary.
Model of horse's hoof shows development of horn lamellae.

Miscellaneous

- 67944 BÖLLHOFF. Die westfälischen pferde auf der 41. wanderausstellung der DLG in Hamburg. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:769-771. May 24, 1951. 18 L2346
- 67945 CARSON, B. L. Equine art on the postage stamp. IX. Natl. Horseman 87(7):56. July 1951. 42.8 N21
- 67946 GHISLENI, P. On so-called "skittishness" o horses. (In Italian.) Prog. Vet. 6:333-334,336,338. June 1951. 41.8 P942
- 67947 GROGAN, J. W. The gaits of horses. Amer. Vet. Med. Assoc. J. 119:112-117. Aug.1951. 41.8 Am3
Natural and acquired gaits; with a brief description of the common breeds of horses.
- 67948 PERUSINI, G. Calculating horses; from addition to multiplication if not to square root. (In Italian.) Allevatore 7(11):7. Mar.18,1951. 49 AL55
- 67949 PERUSINI, G. How to raise horses. (In Italian.) Allevatore 7(10):3. Mar.11,1951. 49 AL55
- 67950 PULTE, and DESELAERS. Kritik am bewertungssystem bei der pferdeeintragung. Tierzüchter 3:303-305. June 5,1951. 49 T445
- 67951 RABORG, P. C. We need horse cavalry. Amer. Cattle Prod. 33(2):14,16. July 1951. 49 P94
- 67952 SABATIER. Les courses en France. (Extr.) France. Min. de l'Agr. Rev. Etudes & Monog. 57:107,109, 111,113-116. Apr.1951. 281.8 F84
History.
- 67953 SECANELL COLL, J. El ganado asnal en la provincia de Lérida. Lérida Ganad. (ser.3)123:4-8. Jan.1951. 41.8 L56
- 67954 SPROULE, J. Modern horse training. Canad. Cattleman 14(4):12-13; (6):8-9,36. Apr.,June 1951. 49 C16
- 67955 ZAYAS, C., JR. Compra el ejército sus caballos en Cuba. Rev. Ganad. [Habana] 11(7):10. July 1951. 49 R321
- 67956 ZELLER. Enseignements d'une mission aux Etats-Unis; différents types de chevaux de selle aux Etats-Unis. Colon Franc. de Tunisie (ser.7)44(2186):3. (To be cont.) Feb.24,1951. 24 C712

LABORATORY ANIMALS, SMALL

Breeds and Breeding

- 67957 KOCH, W. Scheckung als erstes domestikationsmerkmal beim goldhamster. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:114. June 1951. 41.8 B45

Veterinary Medicine

- 67958 COOK, R. P., and THOMSON, R. O. Cholesterol metabolism. 3. Cholesterol metabolism in the guinea pig and rabbit. Biochem. J. 49:72-77. June 1951. 382 B52
- 67959 HELM, R. Die dourine-infektion des meerschweinchens. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:71-75. Apr.1951. 41.8 B45
- 67960 LEMETAYER, E., GURSEL, A., and VIRAT, B. Recherches, chez le cobaye, de la transmission des anti-pasteur et du virus aphteux de la mère au jeune. Inst. Pasteur Ann. 80:470-478. May 1951. 448.3 An75
- 67961 ROLLE, M., and WOCHINGER, B. Die veränderung des blutbildes als tuberkulinreaktion zum nachweis der impftuberkulose bei versuchstieren (Meerschweinchen und goldhamster). Tierärztl. Umschau 6:236-239. July 1951. 41.8 T445

Miscellaneous

- 67962 PICCIONI, M. Raising rats. (In Italian.) Allevatore 7(16):3-4. Apr.22,1951. 49 AL55

67963 WEIGL, R. Die zucht von versuchstieren. München-Solln, Mayer, 1950. 49 p. (Schriftenreihe für Pelztier- und Kleintierzüchter) 412.7 W42

POULTRY

Breeds and Breeding

- 67964 ALTON, T. There's nothing wrong with the WL x RIR for battery work. Poultry [London] 108:510. June 26, 1951. 47.8 P869
- 67965 BACHELLER, C. D. Poultry breed changes. Maine Poultry Impr. Assoc. [Ybk.] 1951:27, 29, 31, 33. 47.9 M282
- 67966 BEERY, K. M. Pigeons and pedigrees. Amer. Pigeon J. 40:138. May 1951. 47.8 Am35
- 67967 BERNIER, P. E., TAYLOR, L. W., and GUNNS, C. A. The relative effects of inbreeding and outbreeding on reproduction in the domestic fowl. 1-5. Hilgardia 20:529-628. Ref. Apr. 1951. 100 C12H
- 67968 BERRY, L. N. A breeding program for improving interior egg quality. N. Mex. Agr. Expt. Sta. B. 557, 9 p. June 1950. 100 N465
- 67969 CECIL, L. The ideal "eggs and meat" bird; crosses to achieve the purpose. Mod. Poultry Keeping 65: 41. July 11, 1951. 47.8 Eg3
- 67970 CECIL, L. To build up a flock of high producers. Mod. Poultry Keeping 64:654-655. June 13, 1951. 47.8 Eg3
- Breeding.
- 67971 CLARK, W. Among the breeds. 5-10. Poultry [London] 108:335, 373, 414, 454, 514; 109:36. Apr. 24, May 8, 22, June 5, 26, July 10, 1951. 47.8 P869
- 67972 COOPER, H. W. Breeding racing pigeons. Fur & Feather Mag. 2(20):8. Oct./Dec. 1950. 49 F962
- 67973 DAVIN, J. A. The breeding season and your Frills. All-Pet Mag. 22(5):68-69. May 1951. 48.8 AL5
- 67974 ELL, A. Breeding problems. Amer. Racing Pigeon News 67(7):8. July 1951. 47.8 H75
- 67975 ESSARY, E. O., MOUNTNEY, G. J., and GOFF, O. E. Conformation and performance in standardbred and crossbred broilers. Poultry Sci. 30:552-557. July 1951. 47.8 Am33P
- 67976 FONSECA, J. F. Pensom Rollers. Pigeon News 57(961):6. May 1951. 47.8 P621
- 67977 FUNK, R. B. Practical tips on breeding Tipplers. 1-3. Amer. Pigeon J. 40:132, 167, 198. May-July 1951. 47.8 Am35
- 67978 GONZAGA, A. C. Some observations on artificial insemination of game birds. Philippine J. Anim. Indus. 10:357-362. Fourth Q. 1949, pub. 1951. 49.9 P53P
- 67979 GORDON, R. F. A.I.—we still have much to learn. (Sum.) Poultry World 88:563. June 14, 1951. 47.8 P8682
- 67980 GOTTFRIED, C. M. How often may we expect squabs? Amer. Pigeon J. 40:132-133. May 1951. 47.8 Am35
- 67981 HAWKEY, K. My Indian [Game] Bantams. Poultry [London] 108:474, 494. June 12-19, 1951. 47.8 P869
- 67982 HAWKEY, K. Vigour behind the eggs. Poultry World 88:566. June 14, 1951. 47.8 P8682
- Test for inherited vigour.
- 67983 HAYS, F. A., and SPEAR, E. W. Relation of the sex-linked gene *sl* for rapid chick feathering and age at sexual maturity in Rhode Island Red pullets. Poultry Sci. 30:625. July 1951. 47.8 Am33P
- 67984 HAYS, F. A. Reproductive efficiency of yearling hens. Poultry Sci. 30:569-574. July 1951. 47.8 Am33P
- 67985 HAYS, F. A., and SPEAR, E. W. Variations in shades of shell color in Rhode Island Red eggs. Poultry Sci. 30:340-432. May 1951. 47.8 Am33P
- 67986 HICKS, J. S. Popular exhibition breeds. 5-10. Poultry [London] 108:315, 354-355, 434-435, 475, 514; 109:37. Apr. 17, May 1, 29, June 12, 26, July 10, 1951. 47.8 P869
- 67987 HUBBARD, E., JR. Maintaining and improving a strain; some thoughts on breeding. Game Fowl News 27(4):4-5. June 1951. 47.8 G143
- 67988 HUTCHINGS, R. S. Light on colour breeding. 1-2. Poultry World 88:620; 89:88. June 28, July 26, 1951. 47.8 P8682
- 67989 HUTCHINGS, R. S. Miniature genetics. 7-20. Poultry [London] 108:292, 314, 334, 355, 373, 394, 414, 434, 455, 474, 494, 514; 109:18, 52. Apr. 10-July 3, 1951. 47.8 P869
- 67990 IGLECIA, E. N. Origen de la raza Plymouth Rocks y sus variedades. Rev. del Café 6(10):25, 29. Mar. 1951. 8 R3295
- 67991 JUSTO, E. Maravillosa actuación de las palomas mensajeras en las guerras. Valencia Avíc. 8: 43-44. Mar. 1951. 47.8 V23
- 67992 LESLIE, V. Choice of breed. N. Z. Poultry World 14:156-157. June 1951. 47.8 N11
- 67993 MACKLIN, H. P. Can you identify this breed of pigeons? Amer. Pigeon J. 40:135. May 1951. 47.8 Am35
- 67994 MACKLIN, H. P. Pigeon portraits. Amer. Pigeon J. 40:130-131, 153-154, 168-170, 200-202. May-July 1951. 47.8 Am35
- The Show Homer; the Exhibition Homer, the Genuine Homer, and the Giant Homer; the Norwich Cropper.
- 67995 MACKLIN, H. P. Russian Trumpeter feathering. Amer. Pigeon J. 40:166. June 1951. 47.8 Am35
- 67996 MARSHALL, W. R. Hints on the rearing and showing of Bantams. S. A. P. A. Poultry B. 15(164):15, 19. May 1951. 47.8 So89
- 67997 MATSUNAGA, R. Breed chicks artificially. Hawaii Farm & Home 14(6):35. June 1951. 25 H3191
- 67998 MAW, W. A. Something new in turkeys. MacDonald Col. J. 11(10):6. June 1951. 101 M144
- Beltsville Small White and Broad Breasted Bronze.
- 67999 MENNE, W. Die erhaltung der zuchtfamilie. Deut. Wirtgeflügelzucht. 3:290-291, 303-304. Mar. 24-31, 1951. 47.8 D483
- 68000 MUNRO, S. S. A word about fryers. Co-op Chick News 23(2):8-9. Apr./June 1951. 47.8 C783
- Hybridizing experiments.
- 68001 MÜNTER, W. Die rebhuhnfarbigen italiener im fallennest und schaukäfig. Kleintierzüchter Tierbörse 5(8):3-4. Mar. 10, 1951. 49 K672
- 68002 NAETHER, C. Methods of breeding pigeons. All-Pets Mag. 22(5):68, 70-71. May 1951. 48.8 AL5
- 68003 PENSOM, W. H. The Birmingham Roller. Pigeon News 57(960):9, 11; (961):5, 16; (962):14. Feb.-June 1951. 47.8 P621
- 68004 PRUD'HOMME, D. M. Successful Flying Tippler management. Amer. Pigeon J. 40:164-165. June 1951. 47.8 Am35
- For racing.
- 68005 RABANAL LUIS, M. La selección en avicultura. B. de Divulg. Ganad. [Ciudad Real] 6(58/60):13-15. Jan./Mar. 1951. 49.9 Sp14
- 68006 RAWSON, A. Short-Face Tumblers. Pigeon News 57(962):7. June 1951. 47.8 P621
- 68007 ROHL. Unser farbensroher elsterkröpfer. Kleintierzüchter Tierbörse 5(8):4-5. Mar. 10, 1951. 49 K672
- 68008 RUSSO, S. Form in the racing Homer. Amer. Racing Pigeon News 67(5):44-45. May 1951. 47.8 H75
- 68009 SCHANK, G. Wie steht es um die zwerg-Rhodländer? Kleintierzüchter Tierbörse 5(8):1-2. Mar. 10, 1951. 49 K672
- 68010 SMITH, E. Y. The turkey grower sets the standard for the breeder. Canad. Poultry Rev. 75(7):27-30. July 1951. 47.8 C16
- 68011 SMITH, H. E. If standards are revised, should Bantams become purely exhibition birds or should there be a gradual modification of existing stock to suit revised standards? Poultry World 88:545. June 7, 1951. 47.8 P8682
- 68012 STACEY, C. G. Breeding in fold units. Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 23:12-13. Spring 1951. 47.8 Ac2
- 68013 STACEY, C. G. Is it desirable to "police" the young males? Poultry [London] 108:470. June 12, 1951. 47.8 P869
- 68014 STALCUP, K. What are Bantams good for? Bantam Mag. 11:6. May/June 1951. 47.8 B22
- 68015 STURTEVANT, R. Breeding an ideal "super-meat" bird. Poultry Indus. [Boston] 56:10. July 1951. 47.8 N44
- 68016 TERMOHLEN, W. D. Five years bring big change in meat birds; over two-thirds of our present day broiler chicks carry C-O-T breeding. Broiler Growing 2(7):44-45. July 1951. 47.8 B782
- 68017 TERRADEZ RODRIGUEZ, J. Factores que determinan la fecundidad en las aves. I-II. Valencia Avíc. 8(3):26-27; (4):20-22. Apr.-May 1951. 47.8 V23
- 68018 TORRES L. DE HARO, C. Recordemos una lección. Valencia Avíc. 8:34-35. Mar. 1951. 47.8 V23
- Hybridization.
- 68019 VAN HOESEN, R. Bantams—interesting, helpful, profitable. Bantam Mag. 11(2):5-6. July/Aug. 1951. 47.8 B22

68020 VINE, V. Look what they're doing with chickens. *Farm J.* 75(8):32-33, 118. Aug. 1951. 6 F2212
Breeding the Chicken of Tomorrow.

68021 WAKELY, W. J., and KOSIN, I. L. A study of the morphology of the turkey spermatozoa—with special reference to the seasonal prevalence of abnormal types. *Amer. J. Vet. Res.* 12:240-245. Ref. July 1951. 41.8 Am3A

68022 WATERS, N. F. Body weight of different inbred lines of chickens. *Poultry Sci.* 30:615-620. Ref. July 1951. 47.8 Am33P

68023 WESTLING, A. Revised standard for clean leg Tumblers. *Amer. Pigeon J.* 40:170. June 1951. 47.8 Am35

68024 WOLFE, T. K. Small Whites—Virginia's modern Cinderella bird. *Turkey World* 26(7):14-15, 54. July 1951. 47.38 T84

Feeds and Feeding

68025 ACKERSON, C. W., BORCHERS, R. L., and MUSSEHL, F. E. Utilization of food elements by growing chicks. XIII. The effect of additions of dehydrated alfalfa meal to high corn chick rations. *Nebr. Agr. Expt. Sta. Res. B.* 168, 10 p. Jan. 1951. 100 N27

68026 ALFORD, V. L. Station feeding tests show quick gains, good finish. *U. S. Egg & Poultry Mag.* 57(7):18, 28. July 1951. 286.85 Eg3
Poultry.

68027 ALMQUIST, H. J. Comparative mash consumption, grain consumption and feed efficiency of Broad Breasted Bronze and Beltsville Small White turkeys. *World's Poultry Sci. J.* 7:103-109. Apr./June 1951. 47.8 W89

68028 ALMQUIST, H. J., and MERRITT, J. B. Effect of soybean antitrypsin on experimental amino acid deficiency in the chick. *Arch. Biochem. & Biophys.* 31:450-453. May 1951. 381 Ar2

68029 ALMQUIST, H. J., and MERRITT, J. B. Effect of soybean tryptic inhibitor on experimental arginine deficiency in the chick. *Arch. Biochem. & Biophys.* 31:454. May 1951. 381 Ar2

68030 ATKINSON, R. L., and COUCH, J. R. Vitamin B₁₂, an APF concentrate, aureomycin, streptomycin, liver "L" and fish meal and fish solubles in the nutrition of the poult. *J. Nutr.* 44:249-263. Ref. June 11, 1951. 389.8 J82

68031 BERRY, L. N. A test of rations for laying hens. *N. Mex. Agr. Expt. Sta. Press B.* 1046, 4 p. Dec. 1950. 100 N465

68032 BIELY, J., and others. Wheat versus corn in the Connecticut broiler ration. *Poultry Sci.* 30:593-598. July 1951. 47.8 Am33P

B. E. March, G. L. Inkin, and G. T. Eedy, joint authors.

68033 BLOUNT, W. P. A.P.F., vitamin B₁₂ and antibiotics in poultry feed. *Poultry Indus. [Milford]* 16:221-222. May 17, 1951. 47.8 P8644

68034 BOBBY, F. C. Trial shows need for vitamin A in diet of laying pullets. *N. Z. Poultry World* 14:140-141, 143-144. June 1951. 47.8 N11

68035 BRIGGS, G. M. Nutritional standards for turkeys now available to growers. *Minn. Gobbles* 6(2):6, 12. July 1951. 47.38 M66

68036 CARTANYA Y ALEU, P. Producción y crianza de gallipollos. *Reus Avic.* 25:1-3. May 1951. 47.8 R31
Includes feed formulas.

68037 CASA PACHECO, MARQUES DE. La alimentación de las gallinas. *Valencia Avic.* 8(3):23-24. Apr. 1951. 47.8 V23

68038 COUCH, J. R. Hot on the trail: new unknowns in feeding. *Hatchery & Feed* 25(7):14, 82-83. July 1951. 47.8 H28

68039 DAVIS, R. L., and BRIGGS, G. M. The vitamin B₁₂ requirement of the chick. *Poultry Sci.* 30:628-629. July 1951. 47.8 Am33P

68040 ELLIS, N. R. Effect of processing variables on nutritive value of cottonseed meal for poultry and swine. (Abs.) *Cottonseed Nutr. & Processors Conf. Proc.* 1950:26. 1951? 1.9321 S2P943

68041 GALLEGO PIEDRAFITA, J. Raciones de alta eficiencia nutritiva para aves. *Ganadería [Madrid]* 9:109-110. Mar. 1951. 49 G15

68042 GILLIS, M. B. Observations on betaine, choline and methionine in chick nutrition. *Cornell Nutr. Conf. Feed Mfr. Proc.* 1950:23-27. 389.79 C81

68043 GOETSCH, W. Die bedeutung von wirkstoff T für die aufzucht von nutztieren. *Deut. Pelztierzüchter* 25:85-89, 111-115. Ref. May 25-June 25, 1951. 412.628 D48
Work with poultry and swine.

68044 GORBACHEV, V. M. Vegetation of ponds—feed supply base for combined fish and duck farming. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:73-78. 1950. 20 M875
Aquatic plants chiefly.

68045 GRATON, A. L'alimentation avant et pendant la ponte. *B. des Agr.* 47(6):18-19. June 1951. 7 B872

68046 HAAG, K. Wie füttere ich meine kücken? *Geflügelhof* 14:193, 195, 197-198. Mar. 23, 1951. 47.8 G276

68047 HALLORAN, H. R. Discussion of Poultry Producer feed changes. *Nulaid News* 29(3):17. July/Aug. 1951. 47.8 N917

Products put out by Poultry Producers of Central California.

68048 HAYWARD, J. W. Recent developments in turkey feeding. (Abs.) *Feedstuffs* 23(25):22-24. June 23, 1951. 286.81 F322

68049 HEUSER, G. F. Salt additions to chick rations. *Cornell Nutr. Conf. Feed Mfr. Proc.* 1950:28-29. 389.79 C81

68050 HEYN, G. Beobachtungen über die wirkung von T-vitamin (Goetsch) bei hühnern. *Z. F. Vitamin-, Hormon- u. Fermentforsch.* 4:121-136. Ref. 1951. 384 Z324
English summary.

68051 HUNTER, J. E. Developments in poultry nutrition. *Feedstuffs* 23(27):38-39, 41-42. July 7, 1951. 286.81 F322

Similar title in *Grain & Feed Rev.* 40(11):20, 55-56. July 1951. 280.28 C78

68052 IZCUA, H. Aumenta la producción de pollos, con alimentos debidamente irradiados. *Rev. Ganad. [Habana]* 11(7):11. July 1951. 49 R321

68053 KARPOFF, E. H. Broilers as feed converters. *New Eng. Res. Council Mktg. & Food Supply. Proc.* 1951:62-66. 252.004 N443M
Discussion by S. K. Seaver, p. 72-73.

68054 KENNARD, D. C. Forage for poultry. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. *Forages*, p. 683-690. Ref. Ames, 1951. 60 H87

68055 KOHLER, G. O., and GRAHAM, W. R., JR. A chick growth factor found in leafy green vegetation. *Poultry Sci.* 30:484-491. Ref. July 1951. 47.8 Am33P

68056 MCGINNIS, J. Antibiotics as growth stimulants for chicks and turkey poults. *Cornell Nutr. Conf. Feed Mfr. Proc.* 1950:40-46. 389.79 C81

68057 MCGINNIS, J., and others. The effect of different antibiotics on growth of turkey poults. *Poultry Sci.* 30:492-496. July 1951. 47.8 Am33P

J. R. Stern, R. A. Wilcox, and J. S. Carver, joint authors.

68058 MADSEN, I. Poultry nutrition research. *Colo. Farm & Home Res. [Colo. Sta.]* 1(5):4-6. Jan./Feb. 1951. 100 C712Co

68059 MARION. Les facteurs de croissance chez les volailles. *Avicult. Basse-Cour* 7:64. Mar./Apr. 1951. 47.8 Av53

Chiefly on vitamins.

68060 MIGUEL, M. La alimentación como factor básico en avicultura. *Valencia Avic.* 8(3):27-30; (4):22-26. Apr.-May 1951. 47.8 V23

68061 MILLER, W. S. What's new in poultry nutrition? (Extr.) *Mod. Poultry Keeping* 64:652-653. June 13, 1951. 47.8 Eg3

68062 MILLIGAN, J. L., and others. Lysine and methionine requirement of chicks fed practical diets. *Poultry Sci.* 30:578-586. Ref. July 1951. 47.8 Am33P

L. J. Machlin, H. R. Bird, and B. W. Heywang, joint authors.

68063 MOROSINI. Feed stimulates hormone activity. *Fla. Poultry & Dairy J.* 17(7):8-9. July 1951. 47.8 F66

68064 MÜLLER-LENHARTZ. Der wert des keim- und körnerfutters in der ernährung des hühnes. *Berlin. u. Münch. Tierärztl. Wchnschr.* 1951:120. June 1951. 41.8 B45

68065 NORRIS, L. C., MILLER, R. F., and YACOWITZ, H. Studies on the vitamin B₁₂ requirements of poultry. *Cornell Nutr. Conf. Feed Mfr. Proc.* 1950:53-56. 389.79 C81

68066 PERUCHON, J. Es posible gracias a las hormonas, la crianza industrial del polluelo durante el verano? *Reus Avic.* 25:16, 18-19. May 1951. 47.8 R31
Use of thyroxin, thyroprotein, and potassium iodide.

68067 PETERSEN, C. F. Now you may grow turkeys faster; antibiotics, vitamin B₁₂, and high-efficiency feeds speed growth and cut mortality. *Norbest Turkey News* 15(12):1-2, 6. June 1951. 47.38 N75

- 68068 RIEDEL, B. B., and ACKERT, J. E. Quantity and source of proteins as factors in the resistance of chickens to ascarids. *Poultry Sci.* 30:497-502. Ref. July 1951. 47.8 Am33P
- 68069 SCHAEFER, A. E., SALMON, W. D., and STRENGTH, D. R. The influence of vitamin B₁₂ on the utilization of choline precursors by the chick. *J. Nutr.* 44:305-311. June 11, 1951. 389.8 J82
- 68070 STEPHENSON, E. L. The use of detoxified cottonseed meal as a protein supplement for laying hens. (Abs.) Cottonseed Nutr. & Processors Conf. Proc. 1950: 36-37. 1951? 1.9321 S2P943
- 68071 SUNDE, M. L., and CRAVENS, W. W. Cheaper poultry gains with vitamin B₁₂ - antibiotic feed supplements. *Wis. Agr. Col. Ext. C.* 397, 4 p. May 1951. 275.29 W75C
- 68072 SWENSON, M. J. Effect of a vitamin B₁₂ concentrate and liver meal on the histopathology of chicks fed an all-plant protein ration. *Amer. J. Vet. Res.* 12: 224-229. Ref. July 1951. 41.8 Am3A
- 68073 TAYLOR, L. J. Feeding ducks in hot weather. *Mod. Poultry Keeping* 65:12. July 4, 1951. 47.8 Eg3
- 68074 TERRÁDEZ RODRÍGUEZ, J. Algunas consideraciones alrededor del problema de la alimentación de las aves domésticas. III. *Valencia Avic.* 8(2):28-31. Mar. 1951. 47.8 V23
- 68075 THAYER, R. H. Antibiotics in poultry feeding. *Co-op Chick News* 23(extra ed.):2, 6. June 1951. 47.8 C783
- 68076 TOMEY, A. If they're forward—feed 'em. *Farmers Wk. [London]* 34(25):61. June 22, 1951. 10 F2226
- Poultry feeding.
- 68077 TUKKER, J. G. The feed problem in poultry keeping. (In Dutch.) *Pels en Pluim* 6(12):2-3. June 15, 1951. 47.8 P36
- 68078 WALTHER, A. L. Poultry nutrition brought up-to-date. 1-2. *Poultry Field* 3(25):18-19; (26):20-22. Apr. 25-May 10, 1951. 47.8 P8655
- 68079 WASHINGTON STATE COLLEGE. EXTENSION SERV. Washington poultry feed formulas; fryer and starter mashers. *Wash. State Col. Ext. Mimeog.* 1057, 1 p. Feb. 1951. 275.29 W27Mi
- 68080 WORDEN, A. N. Energy and fibre in the diet of the fowl. *Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv.* 23:20-21. Spring 1951. 47.8 Ac2
- 68081 WRIGHT, B. F. Minerals and vitamins are essential to good health. *Grit & Steel* 53:22. May 1951. 47.8 G88
- Game fowl.

Veterinary Medicine

- 68082 ANIMAL HEALTH TRUST. POULTRY RESEARCH STATION. A.H.T. reports; survey of some of the work carried out. *Mod. Poultry Keeping* 64:713. (To be cont.) June 27, 1951. 47.8 Eg3
- 68083 AXWORTHY, R. Ailments and diseases of young birds. 8-12. *Poultry [London]* 108:288, 310, 330, 340. Apr. 10-24, May 8, 22, 1951. 47.8 P869
- 68084 AXWORTHY, R. Coccidia infection. *Poultry [London]* 109:10, 31. July 3-10, 1951. 47.8 P869
- 68085 BALLANTYNE, E. E., and BIGLAND, C. H. Newcastle disease survey in Alberta. *Canad. J. Compar. Med.* 15:131-136. June 1951. 41.8 C162
- 68086 BARBERAN, M. Diagnóstico y tratamiento de la enfermedad de Newcastle. *Tierra [México]* 6:346-348, 365. June 1951. 8 T445
- 68087 BEARD, W. A. Fowl cholera. *No. Amer. Vet.* 32:552-553. Aug. 1951. 41.8 N812
- 68088 BEARD, W. A. Poultry practice; disease survey. *No. Amer. Vet.* 32:481. July 1951. 41.8 N812
- 68089 BEAUDETTE, F. R. Differentiation of the virus diseases of birds. *Pa. U. Sch. Vet. Med. Vet. Ext. Q.* 123:96-109. June 14, 1951. 41.9 P386
- 68090 BEAUDETTE, F. R. Recent literature on Newcastle disease. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:132-153. Ref. 1951. 49.9 Un3R
- 68091 BLOUNT, W. P. Crooked toes and infra-red rays. *Poultry Field* 3(25):12-13. Apr. 25, 1951. 47.8 P8655
- 68092 BLOUNT, W. P. Solid-floor infra-red brooding may cause crooked toes. *Poultry [London]* 108:508. June 26, 1951. 47.8 P869
- 68093 BODIN, S. Observations on the significance of the antigen in the serological diagnosis of pullorum disease. (In Swedish.) *Nord. Vetmed.* 3:477-502. Ref. June 1951. 41.8 N813
- English summary.
- 68094 BOYD, G. S. Choline metabolism in the embryo chick. *Biochem. J.* 49:vii. June 1951. 382 B52
- 68095 BRADFIELD, J. R. G. Radiographic studies on the formation of the hen's egg shell. *J. Expt. Biol.* 28:125-140. Ref. June 1951. 442.8 B77
- 68096 BRESSLER, G. O., and GORDEUK, S., JR. Effect of cecal coccidiosis on body weight, egg production and hatchability in chickens. *Poultry Sci.* 30:509-511. July 1951. 47.8 Am33P
- 68097 BROWNING, E. Turkey embryos pickled in plastic. *Kan. Agr. Student* 27(4):5, 33. May 1951. 276.8 K13
- 68098 BUSHNELL, L. D., and ERWIN, L. E. Studies on Newcastle disease. XI. *Kans. Acad. Sci. Trans.* 54:36-39. Mar. 1951. 500 K13T
- 68099 CARLSON, C. W. The effect of antibiotics on turkey egg hatchability and poult growth. *S. Dak. Farm & Home Res. [S. Dak. Sta.]* 2:31-33. Winter 1951. 100 So82S
- 68100 CATER, D. B. A histochemical and biochemical study of some effects produced by the Rous sarcoma upon the endocrine organs of cocks and hens. *J. Path. & Bact.* 63:269-284. Ref. Apr. 1951. 448.8 J82
- 68101 CECIL, L. How to prevent summer colds; the cause is more important than the treatment. *Mod. Poultry Keeping* 64:676. June 20, 1951. 47.8 Eg3
- 68102 CORNISH, W. Why is it? *Brit. Homing World* 19:109. Apr. 7, 1951. 47.28 B77
- Formation of the pigeon's egg.
- 68103 DAVIN, J. A. Canker and what to do about it. *Amer. Pigeon J.* 40:166-167. June 1951. 47.8 Am35
- 68104 DICKINSON, E. M. Poultry disease management; control or eradication measures. *Eggsaminer* 28(6):8-9, 13. June 1951. 286.85 Eg32
- 68105 DOLL, E. R., MCCOLLUM, W. H., and WALLACE, M. E. Susceptibility to Newcastle disease infection of chickens from hens immunized with live virus vaccines. *Amer. J. Vet. Res.* 12:232-239. July 1951. 41.8 Am3A
- 68106 DZIEKONSKI, J. A case of cavernous angioma in the liver of a hen. (In Polish.) *Med. Weter.* 7:186-187. Mar. 1951. 41.8 M463
- 68107 EVANS, R. J., GROSCHE, A. C., and BUTTS, H. A. Effect of vitamin B₁₂ on pantothenic acid metabolism in the chick. *Arch. Biochem. & Biophys.* 31:454-456. May 1951. 381 Ar2
- 68108 FOSTER, C. Always find out what caused losses. *Poultry [London]* 108:348. May 1, 1951. 47.8 P869
- Chick mortality.
- 68109 FOX, T. W. Studies on heat tolerance in the domestic fowl. *Poultry Sci.* 30:477-483. July 1951. 47.8 Am33P
- 68110 GOMES, F., and KUNITAKE, M. How to de-beak chickens. *Hawaii Farm & Home* 14(6):38-39. June 1951. 25 H3191
- 68111 GOODING, P. H., NESBIT, W. B., and THAXTON, J. E. Turkey sanitation and diseases. *Clemson Agr. Col. S. C. Ext. C.* 363, 31 p. June 1951. 275.29 So8E
- 68112 GRUMBLES, L. C., BONEY, W. A., JR. Infectious sinusitis of turkeys. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:166-170. Ref. 1951. 49.9 Un3R
- 68113 HARRISON, A. P., JR., and HANSEN, P. A. Lactobacilli from turkeys. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:37. 1950. 448.39 So12A
- 68114 HAYNE, D. W. Zinc phosphide: its toxicity to pheasants and effect of weathering upon its toxicity to mice. *Mich. Agr. Expt. Sta. Q. B.* 33:412-425. Ref. May 1951. 100 M58S
- 68115 HERRMANN, H., and COX, W. M. Content of inorganic phosphate and phosphate esters in muscle tissue of chick embryo. *Amer. J. Physiol.* 165:711-715. June 1, 1951. 447.8 Am3
- 68116 HITCHNER, S. B., REISING, G., and VAN ROEKEL, H. Characteristics of the B1 strain of Newcastle disease virus. *Amer. J. Vet. Res.* 12:246-249. July 1951. 41.8 Am3A
- 68117 HITCHNER, S. B., REISING, G., and VAN ROEKEL, H. The intranasal vaccine—its role in a Newcastle disease control program. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:154-160. 1951. 49.9 Un3R
- 68118 INGALLS, W. L., VESPER, R. W., and MAHONEY, A. Isolation of Newcastle disease virus from the great horned owl. *Amer. Vet. Med. Assoc. J.* 119:71. July 1951. 41.8 Am3
- 68119 KARPOFF, E. Economic control of infectious bronchitis. *Poultry Comment* 8(3):3-4. May 1951. 47.8 D92

- 68120 KARZON, D. T., and BANG, F. B. Pathogenesis of a virulent and an avirulent strain of the Newcastle disease virus in the chicken. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:72-73. 1950. 448.39 Sol2A
- 68121 KÖHLER, H. Zur histologischen differentialdiagnose des koligranuloms und der tuberkulose der hühner. Deut. Tierärztl. Wchnschr. 58:177-180. Ref. June 15, 1951. 41.8 D482
- 68122 MCGREGOR, J. K. Enterohepatitis (blackhead) in turkeys; report of an investigation concerning the value of 2-amino-5-nitrothiazole as a prophylactic and curative agent. Canad. J. Compar. Med. 15:144-145. June 1951. 41.8 C162
- 68123 MADSEN, H. Notes on the species of *Capillaria* Zeder, 1800 known from gallinaceous birds. J. Parasitol. 37:257-265. Ref. June 1951. 448.8 J824
- Parasites of chickens, turkeys, etc.
- 68124 MARKHAM, F. S., BOTTORFF, C. A., and TENNISON, L. B., JR. Observations on the relationship of passive immunity to response following intranasal vaccination against Newcastle disease. U. S. Livestock Sanit. Assoc. Proc. (1950)54:161-165. 1951. 49.9 Un3R
- 68125 MASTERSON, F. H. Worms can be a hidden hazard; better breeding, feeding, and management help hide worm damage; control should start with young birds. Poultry Tribune 57(7):7,14. July 1951. 47.8 P8642
- 68126 MAZZETTI, R. Leukosis of chickens. (In Italian.) Zooprofilassi 6:200-203. May 1951. 41.8 Z72
- 68127 NELSON, C. L. Diagnosing poultry diseases. Iowa State Col. Vet. 13:155-158. 1951. 41.8 V6425
- 68128 NICKERSON, W. J., and RADELEFF, R. D. Effects of inhalation of chlordane vapors upon young chickens. Vet. Med. 46:314,326. Aug. 1951. 41.8 M69
- 68129 OLSON, N. O. A respiratory disease (bronchitis) of quail caused by a virus. U. S. Livestock Sanit. Assoc. Proc. (1950)54:171-174. 1951. 49.9 Un3R
- 68130 OWEN, R. W. The helminth parasites of domesticated birds in mid Wales. J. Helminthol. 25:105-130. Ref. 1951. 436.8 J82
- 68131 PATTEN, B. M. Early embryology of the chick. Ed. 4. Philadelphia, Blakiston, 1951. 244 p. Ref. 442 P27
- 68132 PEELE, F. E. How to prevent blackhead. Mod. Poultry Keeping 65:47. July 11, 1951. 47.8 Eg3
- 68133 POLIAKOV, I. I. In regard to digestion in hens (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok. 12:79-85. 1950. 20 M875
- 68134 POLO JORVE, F. Leucosis aviar. B. de Divulg. Ganad. [Ciudad Real] 6(58/60):43-46. (Concl.) Jan./Mar. 1951. 49.9 Sp14
- 68135 POMEROY, B. S. Drugs are not substitutes for good management. Minn. Gobblers 5(12):7. May 1951. 47.38 M66
- Care of poults.
- 68136 POMEROY, B. S. Intestinal disturbances in turkey poults. Minn. Gobblers 6(2):4,16-17. July 1951. 47.38 M66
- 68137 POMEROY, B. S. Leg weakness in turkeys. Minn. Gobblers 6(1):6,19. June 1951. 47.38 M66
- Staphylococcosis.
- Also in Norbest Turkey News 16(1):1,6-7. July 1951. 47.38 N75
- 68138 POMEROY, B. S. Let's reduce our brooder losses! Minn. Gobblers 5(11):8,22. Apr. 1951. 47.38 M66
- Salmonella infections in poults.
- 68139 PRIER, J. E. Concentration of the virus of infectious sinusitis of turkeys with methyl alcohol. Amer. J. Vet. Res. 12:230-231. July 1951. 41.8 Am3A
- 68140 RAIMO, H. F. Aspects of the activities of the veterinarian in the development of poultry raising. (In Portuguese.) B. de Indús. Anim. (n.s.)11(3/4):96-108. Dec. 1950. 49 R324
- 68141 RAMIREZ, A. M., GRAY, M. L., and THORP, F., JR. A study of the pathology of the chicken embryo infected with a transmissible agent isolated from sheep lungs. Amer. J. Vet. Res. 12:201-205. Ref. July 1951. 41.8 Am3A
- 68142 REAGAN, R. L., and others. Immunological value of various egg components from eggs infected with hamster-adapted Newcastle disease virus. Poultry Sci. 30:575-577. July 1951. 47.8 Am33P
- D. M. Schenck, H. O. Werner, and A. L. Brueckner, joint authors.
- 68143 REAGAN, R. L., and others. Studies of Newcastle disease and poliomyelitis viruses in rhesus monkeys. Amer. J. Vet. Res. 12:250-253. July 1951. 41.8 Am3A
- M. G. Lillie, D. M. Schenck, L. J. Poelma, A. L. Brueckner, joint authors.
- 68144 RINDFLEISCH-SEYFARTH, M. Beitrag zur Ätiologie der fussgeschwülste des haushühnes. Tierärztl. Umschau 6:211-212. June 1951. 41.8 T445
- 68145 ROF CODINA, J. Patología avícola: perosis. Valencia Avic. 8(3):25-26. Apr. 1951. 47.8 V23
- 68146 SAN MIGUEL I., J. Algo más sobre la neumoencefalitis en Chile. Chile Avic. 11:6475-6480. Apr./May 1951. 47.8 C43
- 68147 SAN MIGUEL I., J. La neumoencefalitis en Chile. Chile Avic. 11:6439-6440. Mar. 1951. 47.8 C43
- 68148 SARMA, P. S. Studies in perotic chicks with radioactive phosphorus. (Abs.) Indian Sci. Cong. Proc. 36(3):208. 1949. 513 In22
- 68149 SAVAGE, A., and ISA, J. M. Aspergillosis in ducks. Canad. J. Compar. Med. 15:146. June 1951. 41.8 C162
- Aspergillus fumigatus.
- 68150 SCHÄFER, W. Ein virus-konzentrat-adsorbat-impfstoff gegen die atypische geflügelpest. Tierärztl. Umschau 6:199-201. Ref. June 1951. 41.8 T445
- 68151 SCHRÖTER, A., and DANNEEL, M. DDT-vergiftung bei hühnern. Berlin. u. Münch. Tierärztl. Wchnschr. 1951:114-116. June 1951. 41.8 B45
- 68152 SCOTT, M. L. The enlarged hock disorder in turkeys. Co-op Chick News 23(2):6. Apr./June 1951. 47.8 C783
- Nutrition experiments.
- 68153 SCOTT, M. L. Studies on enlarged hock disorder of turkeys. Cornell Nutr. Conf. Feed Mfr. Proc. 1950:69-71. 389.79 C81
- Nutritional deficiency.
- 68154 SILK, W. H. It isn't always rheumatism! What do you suspect when a bird goes lame? Injury, liver, worms, cramp or what? Poultry World 88:592. June 21, 1951. 47.8 P8682
- 68155 SMYTH, J. R., JR., and FOX, T. W. The thyroxine secretion rate of turkey poults. Poultry Sci. 30:607-614. Ref. July 1951. 47.8 Am33P
- 68156 STACEY, C. G. Advantages of chemical caponisation. Poultry [London] 108:428. May 29, 1951. 47.8 P869
- 68157 STADELMAN, W. J., and others. Growth and processing shrinkage of diethylstilbestrol treated fryers. Poultry Sci. 30:512-514. July 1951. 47.8 Am33P
- C. M. McCartan, E. L. Baum, and B. A. McLaren, joint authors.
- 68158 SWALES, W. E. On the chemotherapy of caecal coccidiosis (*Eimeria tenella*) of chickens. VIII. Field trials of broiler feeds medicated at a low level. Canad. J. Compar. Med. 15:125-130. June 1951. 41.8 C162
- Tests with nitrophenide and sulfaquinoxaline.
- 68159 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON TRANSMISSIBLE DISEASES OF POULTRY. Report. U. S. Livestock Sanit. Assoc. Proc. (1950) 54:183-187. Ref. 1951. 49.9 Un3R
- J. Delaplane, chairman.
- 68160 VAN ROEKEL, H., and others. Significant observations in pullorum disease eradication. U. S. Livestock Sanit. Assoc. Proc. (1950)54:175-182. 1951. 49.9 Un3R
- K. L. Bullis, G. H. Snoeyenbos, M. K. Clarke, and O. S. Flint, joint authors.
- 68161 WAJID, M. A., RAO, K. S., and RAO, B. S. pH of the white and yolk of fertile hen egg during incubation in air, carbon dioxide and liquid paraffin. (Abs.) Indian Sci. Cong. Proc. 36(3):80. 1949. 513 In22
- 68162 WALKER, H. A., TAYLOR, M. W., and RUSSELL, W. C. The level and interrelationship of the plasma lipids of the laying hen. Poultry Sci. 30:525-530. Ref. July 1951. 47.8 Am33P
- 68163 WEISS, H. S., and STURKIE, P. D. An indirect method for measuring blood pressure in the fowl. Poultry Sci. 30:587-592. Ref. July 1951. 47.8 Am33P
- 68164 WILSON, J. E. Treatment of caecal coccidiosis by medicated drinking water. Mod. Poultry Keeping 64:632. June 6, 1951. 47.8 Eg3
- Use of sulfaquinoxaline sodium.
- 68165 WILSON, W. O., and PLAISTER, T. H. Breed differences in heat tolerance of day-old baby chicks. Poultry Sci. 30:625-627. July 1951. 47.8 Am33P
- In transport.
- 68166 WINSLOW, N. S., and others. Effect of homologous antiserum on Newcastle disease virus infection of embryonated eggs. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:73. 1950. 448.39 Sol2A
- R. P. Hanson, E. Upton, and C. A. Brandly, joint authors.

68167 WITTER, F., and CHUTE, H. Is it healthy to be clean? Maine Poultry Impr. Assoc. [Ybk.] 1951:59,61, 63,65. 47.9 M282

For disease control.

68168 WITTER, F. Maine has bronchitis control program. Broiler Growing 2(7):19,50-51. July 1951. 47.8 B782

68169 WORDEN, A. N. The cod liver oil problem. Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 24:18-19. Summer 1951. 47.8 Ac2

Detrimental effects on poultry.

68170 WRIGHT, M. L. A single tube antigen for the detection of standard and variant infections of *Salmonella pullorum* in adult fowl. Poultry Sci. 30:621-624. Ref. July 1951. 47.8 Am33P

68171 YOSHINAGA, E. Chemical caponizing; how to use hormone pellets. Hawaii Farm & Home 14(6):31. June 1951. 25 H3191

68172 ZELLER. Die hühnerpest in Württemberg. Württemb. Wchnbl. f. Landwirt. 118:530-531. June 30, 1951. 18 W96

Miscellaneous

68173 ADOLPH, R. H. Poultry meat production study—wire versus litter management. San Diego Poultry J. 27(549):7. May 1951. 47.8 Sa52

68174 AHO, W. Michigan's broiler contests teach future poultryman. Broiler Growing 2(6):14,36. June 1951. 47.8 B782

Youth project.

68175 ALP, H. H. The all-pullet flock vs. the hen flock. Hoard's Dairyman 96:519. June 25, 1951. 44.8 H65

Egg production.

68176 AMSDEN, J. Pullet or hen for profit; an answer for the egg producer. Mod. Poultry Keeping 65:13. July 4, 1951. 47.8 Eg3

68177 ANDERSON, C. F., MCARDLE, A. A., and JONES, M. D. Infra-red brooding. Australas. Poultry World 22(8):35,37. Mar.5, 1951. 47.8 Au72

68178 ARMSTRONG, J. Birds on wire; they're easier to take care of, according to some poultrymen, and culling can be more accurate. Wash. Farmer 76:447,471. June 21, 1951. 6 R151

68179 ASMUNDSON, V. S., KRATZER, F. H., and MOSES, B. D. Relation of all-night light to egg quality in turkeys. Poultry Sci. 30:546-548. July 1951. 47.8 Am33P

68180 BARCELO GARCIA DE PAREDES, A. La fertilidad e incubabilidad de los huevos. Balearic Isl. Diputación Prov. B. de Agr. 78:6. Mar. 1951. 15 B19

68181 BASANTA, E. A. Cría de aves en climas calidos. Pampa Argentina 24(279):8,35. Mar. 1951. 9 P19

68182 BASANTA, E. A. Crias tempranas. Chacra 21(247):38-39. June 1951. 9 C34

Chick care.

68183 BASANTA, E. A. La fertilidad de los huevos. Chile Avic. 11:6457. Mar. 1951. 47.8 C43

68184 BISHOP, C. D. The position accreditation stands in today. Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 24:24-25. Summer 1951. 47.8 Ac2

68185 BOBBY, F. C. Report on the 1950-51 breeders' laying trial. N. Z. Poultry World 14:78-81. Apr. 1951. 47.8 N11

68186 BOBBY, F. C. Results of laying trial for breeding pullets. New Zeal. J. Agr. 82:401-403. May 1951. 23 N48J

68187 BOUTROUX, A. L'incubation des oeufs de faisans. Avicult. Basse-Cour 7:69-70. Mar./Apr. 1951. 47.8 Av53

68188 BRENANS, P. L'aviculture au Maroc. Cocoricos du Monde 6:11-12. Feb. 1951. 47.8 C64

68189 BROOKE, D. Winter eggs for nothing. Farmers Wk. [London] 34(23):61. June 8, 1951. 10 F2226

68190 BROWN, T. T. Hot weather care of pullets. South. Planter 112(7):30-31. July 1951. 6 So89

68191 BURGOS, C. X. Questions and answers on duck raising. Agr. & Indus. Life 13(4):26;(5):36-37,39. Apr.-May 1951. 25 Ag8

Philippines.

68192 BURGOS, C. X. Why not pigeon raising? Agr. & Indus. Life 13(4):6,31;(5):18,25. (Cont.) Apr.-May 1951. 25 Ag8

Philippines.

68193 CANADA. DEPT. OF AGRICULTURE. PRODUCTION SERV. LIVESTOCK AND POULTRY DIV. Canada poultry R. O. P., annual summary, 1949-1950. Ottawa, 1951? 37 p. 47.9 C162C

Also in French.

68194 CASA PACHECO, MARQUES DE. La gallina de postura. Valencia Avic. 8:27-28. Mar. 1951. 47.8 V23

68195 CECIL, L. How to succeed with deep litter. Mod. Poultry Keeping 64:708-709. June 27, 1951. 47.8 Eg3

68196 CLINE, L. G. Brooding [poults] for profits. San Joaquin Val. Poultryman 21(12):9,16. May 1951. 47.8 Sa53

68197 COLEMAN, N. Why I changed to roll-away nests. Nulaid News 29(3):8-9. July/Aug. 1951. 47.8 N917

68198 COLES, R. Poultry-keeping in England and Wales. Gt. Brit. Min. Agr. Agriculture 58:128-132. June 1951. 10 G79J

68199 COMBERG, E. Praktische hühnerhaltung. Berlin, Parey, 1950. 104 p. 47 C732

68200 CURTIS, S. Good foundation stock very important. Amer. Pigeon J. 40:133-134. May 1951. 47.8 Am35

68201 DEARSTYNE, R. S. Treatment of birds on range will determine performance in laying. Patron 11(12):1,6,8. June 1951. 280.28 P27 Poultry.

68202 DECKER, M. Cull that bird! Atlantic Co. Vocat. B. 25, i.e. 30(8):2-3. May 1951. 6 At62

68203 DECKER, M. What is a good chick. Atlantic Co. Vocat. B. 25, i.e. 30(6):1. Mar. 1951. 6 At62

68204 DUPARQUET, P. Aviculteur? Le plus passionnant des métiers. Cocoricos du Monde 6:7. Feb. 1951. 47.8 C64

68205 ECHARRI LOIDI, J. M. Criadores españoles de aves selectas? Valencia Avic. 8(3):30-31. Apr. 1951. 47.8 V23

68206 EDMONDSON, T. On laying trials. Poultry Field 4(3):10. June 21, 1951. 47.8 P8655 History in Great Britain.

68207 ENGLER, H., HUG, J., and MÜLLER, W. Kükenaufzucht mit infrarot-strahlern. Geflügelhof 14:247-248. Apr. 13, 1951. 47.8 G276

68208 EVANS, D. Turkey talk. Kans. Agr. Student 27(4):17,35. May 1951. 276.8 K13 Care and feeding.

68209 EWINS, A. Can a layer be judged by its skin? Mod. Poultry Keeping 64:621. June 6, 1951. 47.8 Eg3

68210 FANGAUF, R. Kapaunisieren oder nicht? Landfrauenarbeit 18:137-138. May 5, 1951. 18 L2347

68211 FOSTER, C. Let hens rear those table cockerels. Poultry [London] 108:468. June 12, 1951. 47.8 P869

68212 FROOME, S. Geese. Australas. Poultry World 22(9):21,25,27,29. Apr. 5, 1951. 47.8 Au72

68213 GANSE, L. B. Breeding waterfowl; farm or home in country not complete without some ducks or geese—prolific producers of eggs and meat—many breeds from which to choose. Poultry Press 37(15):3. May 24, 1951. 47.8 P8643

68214 GARCIA DE PAREDES, A. B. Comentarios avícolas. Ganadería [Madrid] 9:182-183. Apr. 1951. 49 G15

68215 GERICHKE, A. M. The deep, or built-up litter system of poultry keeping. Farming So. Africa 26:116-118. Apr. 1951. 24 So842

68216 GERICHKE, A. M. What is broodiness? S. A. P. A. Poultry B. 15(157, i.e. 158):9. Nov. 1950. 47.8 So89

68217 GILSTRAP, F. Which farmer are you? San Joaquin Val. Poultryman 21(11):4-5. Apr. 1951. 47.8 Sa53

68218 GONZALEZ SILVA, J. Generalidades sobre los cisnes. Pampa Argentina 24(279):15. Mar. 1951. 9 P19

68219 GOODING, P. H. South Carolina growers find markets at home. Broiler Growing 2(7):14,42-43. July 1951. 47.8 B782

68220 GROSS, M. Coop walking—pens and general care. Grit & Steel 53:32,49,62. May 1951. 47.8 G88 Game cocks.

68221 GUERANDE, C. Le poulailler familial. Rustica 24:631. July 8, 1951. 14 R92 Poultry care.

68222 HALE, M. Better farm poultry. 1-5. Poultry World 88:543,565,591,614;89:10. June 7-July 5, 1951. 47.8 P8682

68223 HALE, M. Better turkey hatches. 1-4. Poultry World 89:34,59,82,106. July 12-Aug. 2, 1951. 47.8 P8682

68224 HALL, M. D. Burnley Egg-Laying Competition; final results, 1950-51. Victoria. Dept. Agr. J. 49:156-160. Apr. 1951. 23 V66J

- 68225 HARDY, J. Intensive floor brooding for broilers. *World's Poultry Sci. J.* 7:110-111. Apr./June 1951. 47.8 W89
Includes various systems.
- 68226 HARRIS, E. A dozen turkeys for Christmas. 6-10. *Poultry [London]* 108:488,508;109:9,30,45. June 19-July 17, 1951. 47.8 P869
- 68227 HAWKEY, K. Free range is a great healer. *Poultry World* 88:590. June 21, 1951. 47.8 P8682
- 68228 HENSARLING, T. A. Responsibilities of flock-selecting and pullorum-testing agents. Prepared at the request of Committee on NPIP training schools. Washington, U. S. Bur. Anim. Indus., 1951? 4 p. 1.972 A2R315
- 68229 HERRIED, S. Attention to details pays profits; some of the details most necessary to success and what is done about them. *Poultry Herald* 63(6):3,13. June 1951. 47.8 P862
- 68230 HICKS, J. S. Prospects for would-be poultry farmers. 3-4. *Poultry [London]* 108:490;109:10. June 19, July 3, 1951. 47.8 P869
- 68231 HOMEWOOD, R. A. Ducks on the dairy farm. *Mod. Poultry Keeping* 64:596. May 30, 1951. 47.8 Eg3
- 68232 HOUSH, C. C. Good management is the key to successful turkey broiler production. *Soeast. Poultryman* 4(7):9,14-18. July 1951. 47.8 So872
Also in *Va. Poultryman* 5(7):9,14-18. July 1951. 47.8 V812
- 68233 JAMES, R. S. Poultry farming in South Africa. *Poultry Indus. [Milford]* 16:189-190. (To be cont.) Apr. 19, 1951. 47.8 P8644
- 68234 JENNINGS, J. Battery records in chalk; how to simplify the keeping of egg records. *Mod. Poultry Keeping* 65:41. July 11, 1951. 47.8 Eg3
- 68235 JENNINGS, J. Guard the youngsters. *Mod. Poultry Keeping* 64:658. June 13, 1951. 47.8 Eg3
- 68236 JENNINGS, J. Reduce waste and increase your battery profits; the importance of planning an efficient unit. *Mod. Poultry Keeping* 64:587. May 30, 1951. 47.8 Eg3
- 68237 JOHNSON, A. H. U. S. turkey producers favour Broad Breasted birds. *Mod. Poultry Keeping* 64:681. June 20, 1951. 47.8 Eg3
- 68238 JONES, R. E. A basic poultry guide; with five chapters for the domestic poultry keeper. London, Museum Press, 1951? 176 p. 47 J72B
- 68239 KLEPSE, J. Coop-walking cocks. *Game Fowl News* 27(3):8. May 1951. 47.8 G143
- 68240 KNOWLES, T. E. Rearing and feeding on the general farm. *Poultry Field* 3(24):18-21. Apr. 12, 1951. 47.8 P8655
- 68241 KNOWLES, T. E. Surveys the industry. *Poultry Field* 4(5):6-10. July 19, 1951. 47.8 P8655
Great Britain.
- 68242 LAHOZ, V. Observaciones y consideraciones. *Valencia Avic. 8(3):31-33. Apr. 1951. 47.8 V23*
- 68243 LASHERAS ESTEBAN, J. M. Manual de avicultura con numerosas ilustraciones, tablas, planos de gallineros, modelos de impresos, relación de granjas españolas y fabricantes de material avícola, etc., etc. Zaragoza, 1951. 309 p. 47 L333
- 68244 LASTRETO, R. Plan for your pullets. *San Joaquin Val. Poultryman* 21(12):11. May 1951. 47.8 Sa53
- 68245 LEUSCHNER, F. H. Build a better bed for the chickens. *Pa. Farmer* 144:501,513. June 23, 1951. 6 P383
Litter.
- 68246 LLOYD-THOMAS, W. Problem of geese that stray. *Mod. Poultry Keeping* 64:657. June 13, 1951. 47.8 Eg3
- 68247 LUCKERATH, G. Gedanken zur aufzucht von puten und perlhühnern. *Landfrauenarbeit* 18:138-140. May 5, 1951. 18 L2347
- 68248 LUM, C. W. A successful floor brooding project. *Hawaii Farm & Home* 14(6):28-29. June 1951. 25 H3191
- 68249 MCIVER, W. L. Poor practices which household poultry keepers should rectify. *New Zeal. J. Agr.* 82:417-418. May 1951. 23 N48J
- 68250 MAINE POULTRY IMPROVEMENT ASSOCIATION. Yearbook. Skowhegan, 1951. 80 p. 47.9 M282
- 68251 MALT, H. Meine erfahrungen mit der zwerg-huhn-naturbrut. *Geflügelhof* 14:199-200. Mar. 23, 1951. 47.8 G276
- 68252 MANALO, P. S. Duck raising in the Philippines. *Philippines. Dept. Agr. & Nat. Resources. Pop. B.* 38,16 p. 1951. 47.5 P533
- 68253 MERONEY, R. S. Some difference of opinion on important cocking practices. *Game Fowl News* 27(5):8-9. July 1951. 47.8 G143
Care and breeding.
- 68254 MILLER, J. P. Raising healthy pullets. *Wash-coegg* 28(11):5,22-23. Apr. 1951. 47.8 W27
- 68255 MONTERO, A. IX Congreso Internacional de Avicultura en Paris del 2 al 9 de agosto de 1951. *Valencia Avic. 9(3):22-23. Apr. 1951. 47.8 V23*
- 68256 MOORE, A. C. Don't cheapen your rearing system at the expense of the stock. *Poultry [London]* 108:448. June 5, 1951. 47.8 P869
- 68257 MOORE, A. C. Reduce your food bills by getting rid of unproductive stock. *Poultry [London]* 108:488. June 19, 1951. 47.8 P869
- 68258 MOORE, J. S. Built-up litter use expands in Florida operations. *Fla. Poultry & Dairy J.* 17(7):4-5,7. July 1951. 47.8 F66
- 68259 MOORE, J. S. Timely turk hints given by U. of F. extension expert. *Fla. Poultry & Dairy J.* 17(7):3,14. July 1951. 47.8 F66
- 68260 MORGAN, M. C. Keep it alight. *Farmers Wk. [London]* 34(24):61. June 15, 1951. 10 F2226
Turkey rearing.
- 68261 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Hints for winter egg production. North. Ireland. Min. Agr. L. 46,12 p. Apr. 1951. 10 N81
- 68262 ORD, R. M. Poultry farmers need a better advice service. *Poultry Field* 3(24):22-23. Apr. 12, 1951. 47.8 P8655
- 68263 PALMER, W. D. T. Poultry keeping. Ilfracombe, Stockwell, 1950. 16 p. 47 P183
- 68264 PARKER, A. R. The innocent buyer must be protected. *Amer. Pigeon J.* 40:134-135. May 1951. 47.8 Am35
Pigeon business.
- 68265 PEELE, F. E. Turkeys in strawyards. *Mod. Poultry Keeping* 64:589. May 30, 1951. 47.8 Eg3
Care.
- 68266 PLUNKETT, D. C. Amazing theories about gamecocks. *Gamecock* 14:20-21. May 1951. 47.8 G142
- 68267 POLLARD, W. S. Arkansas broiler industry is growing rapidly. *Broiler Growing* 2(6):26,28. June 1951. 47.8 B782
- 68268 PORRES, C. A. Incubación natural. *Agr. Buralés* 18(197):14-15. May 1951. 15 Ag86
Poultry.
- 68269 POWELL-OWEN, W. Some are redundant; unwanted adult stock is making inroads into food wanted for growers. *Poultry World* 88:543. June 7, 1951. 47.8 P8682
Need for culling.
- 68270 REDDAWAY, G. E. Methods and management for present economic conditions. *Poultry Field* 4(4):6-9. July 5, 1951. 47.8 P8655
Great Britain.
- 68271 REDDITT, J. R. The profit in commercial broilers; some of the possibilities and what must be done to make them become realities. 2. *Poultry Herald* 63(6):5,7-8. June 1951. 47.8 P862
- 68272 REED, A. D. Profitable poultry management practices. *Nulaid News* 29(3):13-15. July/Aug. 1951. 47.8 N917
In California.
- 68273 RICE, S. A. My chicks thrive on 2-year-old litter. *Poultry [London]* 108:427. May 29, 1951. 47.8 P869
- 68274 ROBERTS, B. G. Geese for the farm. *All-Pets Mag.* 22(5):65. May 1951. 48.8 AL5
- 68275 SAMAT, M. Les phénix ou yokohamas. *Réveil Agr.* 60:137-138. May 1, 1951. 14 R322
- 68276 SCHRAUF, M. Die küken machen uns sehr viel freude! *Deut. Wirtgeflügelzucht.* 3:301-302. Mar. 31, 1951. 47.8 D483
- 68277 SCHRODER, H. Turkeys in North Dakota. *Minn. Gobbles* 6(1):10. June 1951. 47.38 M66
- 68278 SERVOS, N. Here is an idea for sponsoring 4-H projects. *Better Farming Methods* 23(5):64. May 1951. 58.8 B46
Raising chickens.
- 68279 SHRADER, H. L. Poultry meat production. *Poultry Indus. [Boston]* 55(6):12,20. June 1951. 47.8 N44
Chicken-of-Tomorrow.
- 68280 SICER, J. W., and HOGUE, R. L. Care and management of layers. *Purdue U. Agr. Ext. B.* 275, rev., 24 p. 1951. 275.29 In2E
- 68281 SLOAN, H. J. Turkeys at Rosemount. *Minn. Gobbles* 6(1):7-8. June 1951. 47.38 M66
Turkey research farm.

68282 STACEY, C. G. Henyards for poultry. Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 24: 8-9. Summer 1951. 47.8 Ac2

68283 TAGGART, J. I. "Exploder" eggs. What you can do to prevent eggs from exploding in your incubator. It's a serious problem and tied to egg washing. Hatchery & Feed 25(6):18,20-21. June 1951. 47.8 H28

68284 TAYLOR, L. J. Marketing the nine week old duck. Mod. Poultry Keeping 64:622. June 6, 1951. 47.8 Eg3

Includes slaughtering.

68285 THEISEN, E. J. Pigeons aiding science. Amer. Racing Pigeon News 67(5):9-11. May 1951. 47.8 H75
Flight behavior.

68286 THOMPSON, W. C. Good replacement pullets—real farm assets. Rur. New Yorker 101:418,437. July 7, 1951. 6 R88

Poultry farm management.

68287 U. S. BUR. OF ANIMAL INDUSTRY. Steps in determining variability of the cockerel and pullet weights as to be reported in the N.P.I.P. meat production performance test. U. S. Bur. Anim. Indus. A. H. D. 140,4 p. May 1951. 1.9 An52Ah

68288 VAN SCHALKWYK, H. Foresight better than hindsight. (In Afrikaans.) S. A. P. A. Poultry B. 15 (157,i.e.158):19. Nov.1950. 47.8 So89

Care of turkeys.

68289 WARE, H. G., and PHAGAN, C. V. Broiler production in Oklahoma. Okla. Agr. Col. Ext. C. 555, 15 p. n.d. 275.29 Ok41C

68290 WHAT the Animal Health Trust has already done for the poultry industry. Poultry Field 4(5):22-24. July 19, 1951. 47.8 P8655

68291 WHELAN, H. We pay a premium to get what we want. Broiler Growing 2(6):10,39-41. June 1951. 47.8 B782

Broiler production based on consumer preference.

68292 WILKINS, S. J. Points to bear in mind when culling the flock. Agr. Gaz. N. S. Wales 62:215-221. Apr.1951. 23 N472

68293 WILLIAMS, C., GODFREY, G. F., and THOMPSON, R. B. The effect of rapidity of hatching on growth, egg production, mortality and sex ratios in the domestic fowl. Poultry Sci. 30:599-606. Ref. July 1951. 47.8 Am33P

68294 WILSON, E. There's something to be said for broodiness, after all. Poultry [London] 108:490. June 19 1951. 47.8 P869

68295 WOOD, W. F. Yorkshire poultry keeping. Mod. Poultry Keeping 65:36. July 11, 1951. 47.8 Eg3

68296 ZUMBRO, P. B. Meat [Production Performance] Test shows progress. Broiler Growing 2(6):42-43. June 1951. 47.8 B782

A section of the National Poultry Improvement Plan.

RABBITS

Breeds and Breeding

68297 BLYTH, J. Off-colors in Dutch. Small Stock Mag. 35(7):25. July 1951. 48.8 P442

68298 DITTES, H. Selten gewordene widderkaninchen. Kleintierzüchter Tierbörse 5(8):5-6. Mar.10, 1951. 49 K672

68299 GROOMBRIDGE, W. Blue Rex for the beginner. Fur & Feather 114:407. June 28, 1951. 49 F96

68300 HOWDEN, A. S. The elusive blue & tan. Fur & Feather 114:361. June 7, 1951. 49 F96
Rabbit breeding.

68301 HUNTER, V. The autobiography of a rabbit breeder; the first ten years. Small Stock Mag. 35(7):3-5. July 1951. 48.8 P442

68302 LAMMING, G. E., and SALISBURY, G. W. The effect of incipient vitamin A deficiency on female reproduction in the rabbit. (Abs.) J. Dairy Sci. 34:497. June 1951. 44.8 J822

68303 POWELL, D. Havana Satin Rex in the making. Fur & Feather 114:375. June 14, 1951. 49 G96

68304 REYNOLDS, O. R. Selecting Champagne breeding stock. Small Stock Mag. 35(7):43. July 1951. 48.8 P442

68305 WINDER, D. J. Successful breeding of the exhibition Blue Fox [rabbits]. Fur & Feather 114:391. June 21, 1951. 49 F96

Feeds and Feeding

68306 LEEUWENBURG, P., and WHITMORE, R. Results of the use of aureomycin-B12 feed supplement. Small Stock Mag. 35(7):29. July 1951. 48.8 P442

68307 MAXWELL, E. Feeding. Amer. Angora News 4(20/21):1,3. Apr./May 1951. 40.28 Am32

68308 SANDFORD, J. C. Drinks all round; a vital part of rabbit husbandry. Fur & Feather 114:408. June 28, 1951. 49 F96

Rabbit watering.

68309 SANDFORD, J. C. Where science and art should meet; some notes on feeding [rabbits]. Fur & Feather 114:279. May 3, 1951. 49 F96

Veterinary Medicine

68310 DOBBEN-BROEKEMA, M. VAN, and DIRKEN, M. N. J. Influence of the sympathetic nervous system on the circulation in the rabbit's ear. Acta Physiol. et Pharmacol. Neerland. 1:584-602. Ref. 1950, pub. Mar. 1951. 448.8 Ac83

Includes discussion.

68311 DOBBEN-BROEKEMA, M. VAN, and DIRKEN, M. N. J. Reactions of the vessels of the rabbit's ear in response to heating the body. Acta Physiol. et Pharmacol. Neerland. 1:562-583. 1950, pub. Mar. 1951. 448.8 Ac83

Includes discussion.

68312 FRENCH, T. H., and POPJAK, G. A comparison between glucose and acetate as precursors of milk fat in the rabbit. Biochem. J. 49:iii-iv. June 1951. 382 B52

68313 KIDMAN, B., TUTT, M. L., and VAUGHAN, J. M. The retention of radioactive strontium and yttrium (Sr89, Sr90 and Y90) in pregnant and lactating rabbits and their offspring. J. Path. & Bact. 63:253-268. Ref. Apr. 1951. 448.8 J82

68314 SAN MARTIN, M., and FERNANDEZ CANO, L. Viabilidad de los gametos en el tracto genital de la coneja. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 5:148-151. Dec.1950. 41.9 Un37
English summary.

Miscellaneous

68315 MARTÍN DE FRUTOS, J. Cunicultura. España Agr. 1950:10-11. Dec.1950. 335.8 Es6

68316 NUTZBRINGENDE kaninchenzucht. Leipzig, Hachmeister & Thal, 1949-50. 2 v. (Lehrmeister-Bücherei Nr. 1134/36-1137/9) 40.2 N97

v. 1, Die kaninchenrassen, by F. Joppich, 84 p.; v. 2, Haltung, fütterung, zucht und pflege der kaninchen, by G. Wilsdorf, 120 p.

68317 PIKE, M., and LYSTER, R. Springtime in the rabbitry. Fur & Feather 114:281. May 3, 1951. 49 F96

68318 ROJAS, D. A. Breve historia de la cunicultura. Campesino [Santiago] 83(4):59. Apr.1951. 9.3 So12

68319 SMITH, C. F. Cannibalism [in rabbits]. Small Stock Mag. 35(6):7. June 1951. 48.8 P442

SHEEP AND GOATS

Breeds and Breeding

68320 BADENHORST, D. F. Is the Merino infertile. Farming So. Africa 26:131-132. Apr.1951. 24 So842

68321 BARTON, R. A. Is age of parents important in sheep? Nature [London] 168:37. July 7, 1951. 472 N21

68322 BARTON, R. A., and PHILLIPS, T. O. Type of Southdown sire in relation to fat-lamb carcass quality. Massey Agr. Col. Sheepfarming Annu. 3:27-29, 31-42. Nov.1950. 45.9 M38S

Includes discussion.

68323 BOYD, E. No-tail sheep. Kans. Agr. Student 27(4):12,28. May 1951. 276.8 K13

68324 COLEMAN, J. M., and CLARK, A. R. Early lamb production on irrigated pastures. Agr. Gaz. N. S. Wales 62:193-195. Apr.1951. 23 N472

Most suitable breeds.

68325 CORRIEDALE SHEEP SOCIETY. Flock book of the Corriedale Sheep Society (Incorporated) New Zealand, v. 27. Christchurch, 1950. 45.9 C81

68326 GUARD, S. R. Corriedales for farmers. Breeder's Gaz. 116(7):9-10. July 1951. 49 B74

68327 KOTZÉ, J. J. J. The development of a mutton-woolled sheep for the sour-grassveld area. Farming So. Africa 26:110-113. Apr.1951. 24 So842
The breeding process.

68328 MATTHEWS, C. Quest of the silver fleece; or The odyssey of John Sherrar Harris. Sheep & Goat Raiser 31(10):10,32-33,36-37. (To be cont.) July 1951. 45.8 Sh3

Introduction of Angora goats into California.

68329 MOORHOUSE, S. Sheep on the hills; the Lakeland fells traditionally support Herdwicks, but in Patterdale outside blood has been introduced. *Field* 197: 789-790. May 19, 1951. 10 F45

68330 OERTZEN, H. U. VON. Die bayerischen schaf-züchter in Neu-Ulm. *Tierzüchter* 3:287-288. May 20, 1951. 49 T445

68331 RAZAS británicas; ganado lanar. *Ganadería [Madrid]* 9:122-124. Mar. 1951. 49 G15

68332 SCIUMBATA, G. The Sopravissana. (In Italian.) *Terra e Sole* 1951:223-225. June 1951. 16 T273
Sheep breed.

Feeds and Feeding

68333 BAWA, M. S. Utility of date fruit as a feed for goat. *Indian Farming* 11:328-329. Aug. 1950. 22 In283

68334 BULL, L. B., VASEY, A. J., and GAMBLE, L. C. A study on the mechanics of hand-feeding a maintenance ration to sheep during periods of drought. *Austral. Vet. J.* 27:59-62. Mar. 1951. 41.8 Au72

68335 COOP, I. E. The effect of level of nutrition during pregnancy and during lactation on lamb and wool production of grazing sheep. *J. Agr. Sci.* 40:311-340. Ref. Oct. 1950, pub. June 1951. 10 J822

68336 ETTIEN, I. E. Consider the turnip. *Dairy Goat J.* 29(7):5. July 1951. 40.18 M592
Feed for goats.

68337 HARPER, A. E., RICHARD, R. M., and COLLINS, R. A. The influence of dietary cobalt upon the vitamin B₁₂ content of ewe's milk. *Arch. Biochem. & Biophys.* 31:328-329. Apr. 1951. 381 Ar2

68338 HAWTHORNTHWAIT, E. Lamb-rearing. *Brit. Goat Soc. Mon. J.* 44:96. June 1951. 40.19 B77M
On goats' milk.

68339 JACQUES, W. A. A comparison between grass and lucerne for grazing. *Massey Agr. Col. Sheepfarming Annu.* 3:119-128. Nov. 1950. 45.9 M38S
Includes discussion.

68340 JACQUOT, R., and MAHADEVAN, V. Vues sur le problème de la laine. *Ann. de la Nutr. et de l'Aliment.* 4:361-386. Ref. 1950. 389.8 An73
Effects of nutrition.

68341 KALASHNIKOV, A. P. In regard to the evaluation of nutritive value of feeds. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:61-64. 1950. 20 M875
Experiments on sheep.

68342 KAMMLADE, W. G. Sheep are efficient users of forage. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. *Forages*, p.666-674. Ref. Ames, 1951. 60 H87

68343 ROBINSON, G. S., and HEWITT, W. R. R. Chou moellier and thousand-headed kale. *Massey Agr. Col. Sheepfarming Annu.* 3:129-131, 133-141. Nov. 1950. 45.9 M38S
Includes discussion.

Comparison as crops, by G. S. Robinson; Points in feeding off, by W. R. R. Hewitt.

68344 SPITE, F. G. Lucerne hay for wintering sheep in Canterbury. *New Zeal. J. Agr.* 82:433-434. May 1951. 23 N48J

68345 ZADURA, J. Unbalanced feeding with oats as a cause of severe nutritional disorders in sheep. (In Polish.) *Med. Veter.* 7:246. Apr. 1951. 41.8 M463

Veterinary Medicine

68346 BARNICOAT, C. R. Wear in sheep's teeth. *Massey Agr. Col. Sheepfarming Annu.* 3:75. Nov. 1950. 45.9 M38S

68347 BELTRÁN MONFERRER, J. M. Zoonosis transmissibles a la especie humana; la viruela en el hombre y en los animales domésticos. II. *Cám. Ofic. Sind. Agr. de Barcelona. B.* 6:92-95. Apr. 1951. 15 C14
In sheep, goats, and other animals.

68348 COOP, I. E., and BLAKELY, R. L. The metabolism and toxicity of cyanides and cyanogenetic glucosides in sheep. III. The toxicity of cyanides and cyanogenetic glucosides. *New Zeal. J. Sci. & Technol. A. Agr. Res. Sect.* 31(5):44-58. Ref. Feb. 1950. 514 N48A

68349 CORNFOT, J. A., and WILSON, G. S. Foot-rot trial. *Massey Agr. Col. Sheepfarming Annu.* 3:43-45, 47-54. Nov. 1950. 45.9 M38S
Includes discussion.

68350 COTTEW, G. S. Mellioidosis in sheep in Queensland; a description of the causal organism [*Malleomyces pseudomallei*]. *Austral. J. Expt. Biol. & Med. Sci.* 28:677-683. Ref. Nov. 1950. 442.8 Au7

68351 DONATIEN, A., GAYOT, G., and POUL, J. Inoculation intracarotidienne de virus rabique. *Inst. Pasteur d'Algérie. Arch.* 29:8-10. Mar. 1951. 448.3 In7A
Tests with sheep.

68352 DONIGIEWICZ, K. Notes on the treatment of liver distomiasis in sheep by intraruminal injections of carbon tetrachloride (CCl₄). (In Polish.) *Med. Veter.* 7: 237-239. Ref. Apr. 1951. 41.8 M463
Fasciola hepatica.

68353 GOODMAN, A. A. Encourage lamb feeders to use enterotoxemia vaccine; it will pay! *Better Farming Methods* 23(5):58-59. May 1951. 58.8 B46

68354 GRAY, F. V., and others. Volatile fatty acids in the rumen of the sheep. *Nature [London]* 167:954. June 9, 1951. 472 N21

A. F. Pilgrim, H. J. Rodda, and R. A. Weller, joint authors.

68355 HARMAR, J. B., and MOUNT, E. D. Caesarean section in the ewe in cases of so-called "ringwomb" or partial dilatation of the os uteri. *Vet. Rec.* 63:457-458. July 7, 1951. 41.8 V641

68356 JARRETT, I. G., and POTTER, B. J. The metabolism of acetate in sheep after injection of phlorhizin. *Austral. J. Expt. Biol. & Med. Sci.* 28:595-602. Ref. Nov. 1950. 442.8 Au7

68357 KEMPER, H. E., and ROBERTS, I. H. Eradication of sheep scabies. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:247-253. 1951. 49.9 Un3R
Dipping for control of *Psoroptes equi ovis*.

68358 LEISTNER, W. Fleischvergiftungserreger (Bact. ent. Gärtner-Kiel [i.e. *Salmonella enteritidis*]) bei einer Ziege. *Monatsh. f. Vetmed.* 6:177-178. May 1, 1951. 41.8 M742

68359 LELIO, F., and ANGELO, M. The campaign against brucellosis in sheep. (In Italian.) *Clin. Vet.* 74: 134-138. May 1951. 41.8 C61

68360 MCCLURKIN, A. W. Clostridium infections in India. II. *Amer. Vet. Med. Assoc. J.* 119:66-67. July 1951. 41.8 Am3

C. chauvei (= fesceri) infections in sheep, goats, and bull.

68361 MOON, F. E., and RAAFAT, M. A. The experimental production of bracken "poisoning" in sheep. *J. Compar. Path. & Ther.* 61:88-100. Ref. Apr. 1951. 41.8 J82

68362 MORAILLON, P. Strongyloses gastro-intestinales et pulmonaires. *Défense Agr. de la Beauce et du Perche* 48:241-242. June 16, 1951. 14 D36
Sheep.

68363 MOSIMANN, W. Ein eigenartiger Fall von Encephalocoele beim Schaf. *Schweiz. Arch. f. Tierheilk.* 93:389-397. June 1951. 41.8 Sch9
English summary.

68364 MULLINS, J. Danger through faulty use of bailing or drenching guns. *New Zeal. J. Agr.* 82:405. May 1951. 23 N48J

In the administration of phenothiazine pellets for worms in lambs and sheep.

68365 NICHOLS, R. E. A note on eructation in sheep as related to rumen fluid level and gas insufflation. *Amer. J. Vet. Res.* 12:199-200. July 1951. 41.8 Am3A

68366 PATTISON, I. H. Studies on experimental streptococcal mastitis. V. Histological findings in experimental streptococcal mastitis in the goat. *J. Compar. Path. & Ther.* 61:71-87. Ref. Apr. 1951. 41.8 J82
Streptococcus agalactiae strain S13.

68367 QUESADA, A. Researches on the toxins of staphylococci and micrococci in mammary infections of sheep and goats. (In Italian.) *Zooprofilassi* 6:155-160. Ref. Apr. 1951. 41.8 Z72
English summary.

68368 RAMOS, J. I. Caseous lymphadenitis in goats in the Northeast [Brazil]. (In Portuguese.) *Pernambuco. Sec. de Agr., Indus. e Com. B.* 16:212-216. July/Dec. 1949, pub. 1950. 9.2 P423

68369 ROSENBERG, H., and others. Somatic motor areas of the cerebral cortex in the goat. (Abs.) *Vet. Rec.* 63:445. June 30, 1951. 41.8 V641

E. C. Amoroso, F. R. Bell, and A. S. Lawn, joint authors.

68370 SHEEP scab. *Mont. Wool Grower* 20(7):6, 12-13. July 1951. 45.8 M762

68371 TETLEY, J. H. Parasitic worms of sheep. *Massey Agr. Col. Sheepfarming Annu.* 3:55-57, 59-61, 63-67. Nov. 1950. 45.9 M38S
Includes discussion.

68372 THOMAS, J. F. H. Diversos factores ocasionan mortandad entre los corderos. *Res* 19:25993-25994. June 5, 1951. 286.85 R31

68373 VISEK, W. J., and LOOSLI, J. K. Behavior of radiocalcium in the lactating goat after oral and intravenous administration. (Abs.) J. Dairy Sci. 34:508. June 1951. 44.8 J822

68374 WEBSTER, W. M. Grass staggers. Massey Agr. Col. Sheepfarming Annu. 3:68-74. Nov.1950. 45.9 M38S

Includes discussion.

Plant poisoning.

68375 WIDDAS, W. F. Changing osmotic properties of foetal sheep erythrocytes and their comparison with those of maternal sheep erythrocytes. J. Physiol. 113: 399-411. Ref. May 28, 1951. 44.7 J82

Miscellaneous

68376 ALBAUGH, R., and WEIR, W. C. Golden woolies—2-crop feature of sheep pays off as demand grows for wool, lamb. West Livestock J. 29(38):72, 74-76. June 15, 1951. 6 F2278

Management of a farm flock.

68377 BARNES-GRAHAM, J. W. Sheep station, N. Z. Oxford, Ronald, 1950. 181 p. 281.2 B26

68378 BELL, C. E., JR. Sheep interest rises. South. Livestock J. 10(12):40. July 1951. 43.8 F66A

Georgia.

68379 COUTTS, J. B. The draft ewe. Estate Mag. 51:195-196. May 1951. 10 Es8

Lamb production in the British Isles.

68380 DUNCAN, J. E., and MONTGOMERY, R. G. Branding of sheep. Massey Agr. Col. Sheepfarming Annu. 3:79, 81-85, 87, 89, 91. Nov. 1950. 45.9 M38S

Includes discussion.

68381 ELLIOTT, E. Taking the 4-H goat to the show. Dairy Goat J. 29(7):9. July 1951. 40.18 M592

68382 FABREGAS, H. Sheep of France. (In Portuguese.) Lav. Arroz. 5(52):15, 17. Apr. 1951. 59.8 L39

68383 FETHERS, G. Problems of sheep management. Past. Rev. 61:373-375. Apr. 16, 1951. 23 Au75

68384 FLANAGAN, S. When it's shearing time in Texas. Sheep & Goat Raiser 31(10):16-17. July 1951. 45.8 Sh3

68385 HOLMES-PEGLER, H. S. The book of the goat, containing full particulars of the various breeds of goats and their profitable management. Ed. 9. London, Bazaar, Exchange and Mart, 1951? 255 p. 40.1 P34

68386 JOHNSTON, J. The truth about goats. Farmer's Advocate & Home Mag. 86(3400):36-37. June 14, 1951. 7 F22

68387 LAKE, E. M. Pre-lambing shearing. Massey Agr. Col. Sheepfarming Annu. 3:76-78. Nov. 1950. 45.9 M38S

68388 LAWSON, J. Tomorrow my sheep shall be shorn. 1-3. Farmers Wk. [London] 34(22):57, 59, 61; (23): 53, 55; (24):53, 55. June 1-15, 1951. 10 F2226

68389 LITTON, G. W. Sheep respond to good treatment. South. Planter 112(7):28-29. July 1951. 6 So89

68390 MASSEY AGRICULTURAL COLLEGE. Sheepfarming annual 1950; including the Proceedings of the Thirteenth Annual Meeting of Sheepfarmers, held at Massey Agricultural College, Palmerston North, on May 30, 31, June 1 and 2, and at Napier on June 13, 14 and 15, 1950. Palmerston North, 1950. 222 p. 45.9 M38S

68391 MEADER, B. Goats provide their own circus antics. Dairy Goat J. 29(7):8. July 1951. 40.18 M592

68392 MILES, D. K. Mama won't milk the goats! Dairy Goat J. 29(7):7-8. July 1951. 40.18 M592

Goat experiences.

68393 MILLER, R. C. How to start with sheep. Prog. Farmer, Carolinas-Va. Ed. 66(6):19. June 1951. 6 P945

68394 MILLER, R. C. Lambing time. Ky. Agr. Col. Ext. C. 346, rev., 31 p. Jan. 1951. 275.29 K415

Feeding and care of pregnant ewes and care of lambs.

68395 PEREN, G. S. Some impressions of sheepfarming in the United Kingdom. Massey Agr. Col. Sheepfarming Annu. 3:16-19, 21-26. Nov. 1950. 45.9 M38S

68396 PHILLIPS, R., and BROWN, E. H. The influence of the environment upon the estimated dressed carcass weight of fat sheep in West Wales (1943-6). J. Agr. Sci. 40:341-355. Ref. Oct. 1950, pub. June 1951. 10 J822

68397 SARAZÁ ORTIZ, R. Cabrerizas. Ganadería [Madrid] 9:153-155. Ref. Apr. 1951. 49 G15

68398 THOMPSON, V. Dairy goats — profitable pets. All-Pets Mag. 22(5):81-82. May 1951. 48.8 AL5

68399 WARNER, E. A. Learn key positions and shearing is easy. Natl. Live Stock Prod. 29(10):15. July/Aug. 1951. 280.38 N21

68400 WILSON, A., III. Rustler from the sky. Sheep & Goat Raiser 31(10):24-27. July 1951. 45.8 Sh3

Eagles predatory on sheep.

68401 WYATT, C. Tree-climbing goats of Morocco. Country Life [London] 109:1959. June 22, 1951. 80 C83

SWINE

Breeds and Breeding

68402 AGCANAS, P. B. The progress of swine breeding and rehabilitation in Alabang Stock Farm. Philippine J. Anim. Indus. 10:381-387. Fourth Q. 1949, pub. 1951. 49.9 P53P

68403 ALEXANDROWICZ-CURLANIS, J. Charakterystyka chlewni w Kopaszewie (pow. kościan kolo poznania). Kopaszewo herd (District of Poznań) pedigree Prick-Eared pigs. Akad. Umiej. Prace Roln.-Leśne 49, 56 p. Ref. 1950. 20.5 K85

English summary.

68404 BARNES, H. J. Ohio breeders progressing with state improvement program. Duroc News 25(7):194, 196-198. July 1951. 46.8 N212

68405 BRANIGAN, V. Southwest swings to Berkshires. Berkshire News 16(9):8, 15, 20. July 1951. 46.8 B454

68406 BRUGGEMANN, H. Die deutschen weissen schweinerassen auf der 41. DLG-ausstellung in Hamburg. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:924-925. June 21, 1951. 18 L2346

68407 BRUNNERT, J. Neue lorbeeren für die westfälisch-lippischen schweinezüchter. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:925-926. June 21, 1951. 18 L2346

68408 BUNDY, C. Promoting Durocs thru partnership hog production agreements. Duroc News 25(7):216, 218. July 1951. 46.8 N212

Agreements between breeder and 4-H or FFA member.

68409 DAINS, J. R. The Tamworth breed. Austral. Dairy Rev. 19(4):25-26, 28. Apr. 2, 1951. 44.8 Au73

68410 FINSTAD, K. Observations on swine breeding. (In Norwegian.) Norsk Landbr. 17:226-227. June 8, 1951. 11 N8122

68411 GAY, C. W. Faith, keynote to Duroc progress. Duroc News 25(7):10, 187-193. July 1951. 46.8 N212

68412 HOLSTEIN, D. Are we breeders or swine multipliers? Generations of bred-in superior qualities, rather than merely a showing ribbon, needed for constructive breeding program. Duroc News 25(7):100, 103, 105, 107-109. July 1951. 46.8 N212

68413 JUHL, R. C. Herd sire selection from the standpoint of the purebred breeder. Duroc News 25(7):12-14. July 1951. 46.8 N212

68414 LANSDALE, D. Mating the pigs. Mod. Poultry Keeping 64:656. June 13, 1951. 47.8 Eg3

68415 LASLEY, J. F. Plan carefully your breeding herd operations. Duroc News 25(7):30, 32, 204. July 1951. 46.8 N212

68416 LET'S talk it over; 10 well known judges discuss the importance of points of conformation in the ideal Duroc. Duroc News 25(7):17-18, 46-47, 50-51, 66, 156-158, 160, 236-237. July 1951. 46.8 N212

Feet and legs, by L. A. Weaver; The head, by R. H. Grummer; Shoulders and heart girth, by W. Plager; Udder development, by E. F. Ferrin; Ham & tail setting, by C. Plager; The loin, by J. C. Hillier; Spring of rib and top line, by H. G. Russell; Style & action, by W. Miller; Firmness of fleshing, by A. W. Jordan; Haircoat & color, by H. D. Elijah.

68417 MILLS, R. W. Missouri breeder stresses importance of using more proven herd sires. Duroc News 25(7):14, 54. July 1951. 46.8 N212

68418 OERTZEN, H. U. VON. Aus der schweine-zucht in Bayern. Tierzüchter 3:312-313. June 5, 1951. 49 T445

68419 ROBISON, W. L. Crossbreds make good market hogs. Ohio Farmer 208(2):12-13. July 21, 1951. 5 Oh3

68420 TETERS, J., MEADOR, J. E., and LOUDEN, C. E. Why Durocs? An energetic young Hoosier breeder, a new breeder in Arkansas and an old timer in Iowa tell us why the Duroc breed is their choice. Duroc News 25(7):260-263. July 1951. 46.8 N212

68421 TINKLE, W. J. Type—outward or inward? Duroc News 25(7):125-129. July 1951. 46.8 N212

68422 TRACY, C., and KATTER, M. When you own a good boar take care of him. Duroc News 25(7):58-59, 62. July 1951. 46.8 N212

- 68423 WEYMANN, G. Die auswirkung der demokratie in der schweinezucht. Hannoversche Land- u. Forstwirt. Ztg. 104:129. Feb.10,1951. 18 H194
- 68424 ZHUKOV, F. Practices in utilizing reserves in the swine fattening industry. (In Russian.) Sotsialist. Sel'sk. Khoz. 21(12):55-57. Dec.12,1950. 281.8 S073
- Summer farrowing of young sows.

Feeds and Feeding

- 68425 AGCANAS, P. B. Spent brewers' grain vs. corn as a constituent of ration for pigs. Philippine J. Anim. Indus. 10:375-379. Fourth Q.1949, pub.1951. 49.9 P53P
- 68426 ALBA, J. DE. Ensayos de engorde de cerdos con raciones a base de maíz, yuca y bananas. Turrialba 1:176-184. Ref. Apr.1951. 8 T86
- English summary.
- 68427 BEESON, W. M. New developments in swine feeding. Duroc News 25(7):21-22,25,212-215. July 1951. 46.8 N212
- 68428 BRÜGGEMANN. Der eiweissbedarf der mast-schweine. Tierzüchter 3:288-289. May 20,1951. 49 T445
- 68429 CARPENTER, L. E. The effect of antibiotics and vitamin B12 on the growth of swine. Arch. Biochem. & Biophys. 32:187-191. June 1951. 381 Ar2
- 68430 CUFF, P. W. W., and others. Effect of different antibiotics on growing-fattening swine. Iowa State Col. J. Sci. 25:575-580. July 1951. 470 Io9
- H. M. Maddock, V. C. Speer, and D. V. Catron, joint authors.
- 68431 DINUSSON, W. E., and others. Cobalt, B12 (APF), and meat scraps for growing-fattening swine. N. Dak. Agr. Expt. Sta. Bimon. B. 13:146-149. Mar./Apr. 1951. 100 N813B
- E. W. Klosterman, E. L. Lasley, G. C. Holm, and M. L. Buchanan, joint authors.
- 68432 HALE, F. Hog feeding tests with special process cottonseed meals. (Abs.) Cottonseed Nutr. & Processors Conf. Proc. 1950:33-35. 1951? 1.9321 S2P943
- Includes discussion.
- 68433 HUPKES, C. M. Skim milk and swine feeding. (In Dutch.) Landboue 5(23):5. June 9,1951. 12 L234
- 68434 IOANESIAN, S. A. Sugar beet as a forage crop. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirjazeva. Dok. 12:65-72. 1950. 20 M875
- Experiments in feeding it to swine and cows.
- 68435 LANSDALE, D. Fibre and oil for pigs. Mod. Poultry Keeping 65:44. July 11,1951. 47.8 Eg3
- 68436 LANSDALE, D. The right diet for pigs. Mod. Poultry Keeping 64:710. June 27,1951. 47.8 Eg3
- 68437 LOOSLI, J. K. The amino acid requirements of swine. Cornell Nutr. Conf. Feed Mfr. Proc. 1950:30-34. 389.79 C81
- 68438 LUECKE, R. W. The effect of vitamin B12, APF and antibiotics on the growth of the weanling pig. Cornell Nutr. Conf. Feed Mfr. Proc. 1950:35-39. 389.79 C81
- 68439 MOTT, G. O. Forage utilization by hogs. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.675-682. Ames, 1951. 60 H87
- 68440 NOLAND, P. R., WILLMAN, J. P., and MORRISON, F. B. Recent studies with vitamin and mineral supplements for growing and fattening pigs in drylot. Cornell Nutr. Conf. Feed Mfr. Proc. 1950:47-52. 389.79 C81
- 68441 PETERSEN, N. Futterplan für jung- und mast-schweine. Deut. Landwirt. Presse 74:151. June 2,1951. 18 D482
- 68442 REMBERT, D. L'alimentation du porc. Nord. Agr. 7(25):6. Apr. 20,1951. 14 N75
- 68443 RICHTER, F. Die wirkung von methylthiou-racil bei älteren mastschweinen und läufern. Landwirt. Jahrb. f. Bayern 28:73-88. Jan./Feb.1951. 18 L24
- 68444 ROBISON, W. L. Soybean oil meal for pigs. Ohio Agr. Expt. Sta. Res. 6:69,72 p. Ref. Mar.1951. 100 Oh3S
- 68445 TIEMANN, A., and RINTELEN, P. Bericht über zwei fütterungsversuche bei schweinen mit verhefttem und unverhefttem kraftfutter. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:887-888. June 14,1951. 18 L2346
- 68446 VESTAL, C. M. Better pastures and extended pasture seasons can work wonders in your hog program. Duroc News 25(7):48,162,164-167. July 1951. 46.8 N212
- 68447 ABELL, R. W. A method of castrating aged boars. Canad. J. Compar. Med. 15:142-143. June 1951. 41.8 C162
- 68448 ALICATA, J. E., and RICCI, M. Research on trichinosis in Italy. (In Italian.) Riv. di Parassitol. 12: 113-118. Apr.1951. 436.8 R52
- English summary.
- Cases traced to pork and pork products.
- 68449 ANDERSON, J. P. Outbreak of acute swine erysipelas in a Southland [New Zealand] piggery. Austral. Vet. J. 27:94-95. Apr.1951. 41.8 Au72
- 68450 ARNAO MENDOZA, M. Physocephalus sezalatus en el cerdo. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 5:191-195. Ref. Dec.1950. 41.9 Un37
- English summary.
- 68451 BAY, W. W., DOYLE, L. P., and HUTCHINGS, L. M. The pathology and symptomatology of transmissible gastroenteritis. Amer. J. Vet. Res. 12:215-218. Ref. July 1951. 41.8 Am3A
- In swine.
- 68452 BEAMER, P. D. Be on guard for necrotic rhinitis. Duroc News 25(7):256-257. July 1951. 46.8 N212
- 68453 BENNETT, P. C. Gut edema. Iowa State Col. Vet. 13:159-161. 1951. 41.8 V6425
- Edema disease of swine in Iowa.
- 68454 BREED, F. Plants poisonous to swine. Norden News 25(3):10,15;(4):10,13,16. May/June-July/Aug.1951. 41.8 N75
- 68455 BUTZ, H., and SCHNELLE, W. Angeborene lähmung der hinterextremitäten beim ferkel. Deut. Tierärztl. Wchnschr. 58:206-207. July 1,1951. 41.8 D482
- 68456 CAPULONG, T. M. Notes and observations on mass vaccination of swine against hog cholera with the use of the simultaneous method. Philippine J. Anim. Indus. 10:365-370. Fourth Q.1949, pub.1951. 49.9 P53P
- 68457 CARPENTER, L. E. The effect of 3-nitro-4-hydroxy phenyl arsonic acid on the growth of swine. Arch. Biochem. & Biophys. 32:181-186. June 1951. 381 Ar2
- 68458 COLE, C. G., DALE, C. N., and HENLEY, R. R. Neutralization in vivo of hog cholera virus by serum. Vet. Med. 46:309-311. Aug.1951. 41.8 M69
- 68459 DONATIEN, A., and GAYOT, G. Peste porcine et cobaye. Inst. Pasteur d'Algérie. Arch. 29:11-14. Mar.1951. 448.3 In7A
- 68460 DOYLE, L. P. Rhinitis of swine. U. S. Live-stock Sanit. Assoc. Proc. (1950)54:276-278. 1951. 49.9 Un3R
- 68461 DOYLE, L. P. Transmissible gastro-enteritis of pigs. No. Amer. Vet. 32:477-478. July 1951. 41.8 N812
- 68462 FISCHER, J. Beitrag zur kastration weiblicher schweine und anregungen zur allgemeinen durchführung. Tierärztl. Umschau 6:201-206. Ref. June 1951. 41.8 T445
- 68463 FOSTER, J. F., and others. Electrophoretic studies on swine. III. Composition of baby pig plasma and sow's whey during lactation. Arch. Biochem. & Biophys. 31:104-112. Mar.1951. 381 Ar2
- R. W. Friedell, D. Catron, and M. R. Dieckmann, joint authors.
- 68464 FRIEDEL, R. W., and others. Electrophoretic studies on swine. II. The composition of plasma during gestation and lactation. Iowa State Col. J. Sci. 25:521-526. Apr.1951. 470 Io9
- J. F. Foster, D. Catron, and M. R. Dieckmann, joint authors.
- 68465 GAYOT, G. Essai d'efficacité d'un vaccin anti-suipestique au cristal-violet préparé avec du glycol éthylenique. Inst. Pasteur d'Algérie. Arch. 29:15-17. Mar.1951. 448.3 In7A
- 68466 GRACE, V. H., and others. Studies on baby pig mortality. VI. Experimental uremia in young pigs. Amer. J. Vet. Res. 12:206-214. July 1951. 41.8 Am3A
- C. C. Morrill, R. Butzow, P. Hendren, and J. Sampson, joint authors.
- 68467 GULRAJANI, T. S. Studies on respiratory diseases of pigs. III. Persistence of influenza viruses in the respiratory tract. J. Compar. Path. & Ther. 61:101-117. Ref. Apr.1951. 41.8 J82
- 68468 GULRAJANI, T. S., and BEVERIDGE, W. I. B. Studies on respiratory diseases of pigs. IV. Transmission of infectious pneumonia and its differentiation from swine influenza. J. Compar. Path. & Ther. 61:118-139. Apr. 1951. 41.8 J82
- 68469 HUISMAN, W. On the occurrence of micro-organisms of the Salmonella family in healthy pigs. (In Dutch.) Tijdschr. v. Diergeneesk. 76:470-479. July 1, 1951. 41.8 T431
- English summary.

Veterinary Medicine

68470 HUTCHINGS, L. M. Infectious diseases of pigs. *Norden News* 25(3):7,11. May/June 1951. 41.8 N75

Transmissible gastro-enteritis, swine dysentery, and atrophic rhinitis.

68471 KATIC, R. Une possibilité d'emploi du vaccin associé contre le rouget du porc et le tétanos. *Off. Internat. des Epiz. B.* 35:232-237. May/June 1951. 41.8 Of2

68472 KOBUSIEWICZ, T. The use of Traub's vaccine against swine erysipelas. (In Polish.) *Med. Weter.* 7:177-178. Mar. 1951. 41.8 M463

68473 LACHOWICZ, M. Biological properties of the *Erysipelothrix rhusiopathiae*. (In Polish.) *Med. Weter.* 7:171-172. Ref. Mar. 1951. 41.8 M463

68474 LEONHARDT, H. Fütterung und tetanie der schweine. *Monatsh. f. Vetmed.* 6:192-193. Ref. May 15, 1951. 41.8 M742

68475 LONGWILL, A. National Pig Industry Council losses survey. *New Zeal. J. Agr.* 82:441,443-444. May 1951. 23 N48J

68476 LO RUSSO, R. An enzootic of swine pest. (In Italian.) *Prog. Vet.* 6:341-342,344. June 1951. 41.8 P942 Italy.

68477 MCCARTY, J. W., JOHNSON, L. E., and WRIGHT, T. Adjusting weights of pigs to standard ages of 21, 56, 77, 154, and 180 days. *S. Dak. Acad. Sci. Proc.* 29:128-134. Dec. 1, 1950. 500 So82

68478 MAJDAN, S. The control of swine fever in the light of recent investigations. (In Polish.) *Med. Weter.* 7:173-177. Ref. Mar. 1951. 41.8 M463

68479 NISBET, D. I. *Leptospira icterohaemorrhagiae* infection in pigs. *J. Compar. Path. & Ther.* 61:155-160. Ref. Apr. 1951. 41.8 J82

68480 ODYNETS, R. N. Nitrogen, calcium and phosphorus metabolism in pedigree swine. (In Russian.) *Vsesoizn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 16(2):15-19. 1951. 20 Ak1

68481 POMEROY, R. W. Piglet mortality. *Pig Breeders' Gaz.* 66:29,31,33. July 1951. 46.8 N21

68482 QUIN, A. H. The syndrome called gut edema. *Jen-Sal J.* 1951:11. July 1951. 41.8 J45

68483 ROGALSKI, L. A contribution to the diagnostic examinations of swine influenza. (In Polish.) *Med. Veter.* 7:231-235. Apr. 1951. 41.8 M463

68484 SCHMID, G. Über einige schweinekrankheiten. *Schweiz. Arch. f. Tierheilk.* 93:336-345. May 1951. 41.8 Sch9

Metabolic disturbance due to vibronic dysentery. English summary.

68485 SCHMID, G. Ueber den ansteckenden durchfall der ferkel und dessen behandlung. *Grüne* 79:220-222. Feb. 23, 1951. 17 Sch9

68486 SCHONBERG, F. Zur frage der invasionsfähigkeit junger, nicht eingekapselter muskeltrichinen. *Lebensmitteltierarz* 2:45-46. Mar. 1951. 41.8 L49

In swine. 68487 SHANKS, P. L. Pig diseases. *Yorkshire Agr. Soc. J.* 102:44-49. 1951. 10 Y7

68488 SIEKA, M. Swine erysipelas from the observational point of view. (In Polish.) *Med. Weter.* 7:188-189. Mar. 1951. 41.8 M463

68489 SPINDLER, L. A. Effect of parasites on swine production. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:241-246. 1951. 49.9 Un3R

68490 SPLITTER, E. J. Ictero-anemia of swine. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:279-286. Ref. 1951. 49.9 Un3R

68491 STAHL, W. Die knochenstärke des schweines und ihre bedeutung für beurteilung und leistung. *Monatsh. f. Vetmed.* 6:216-220. June 1, 1951. 41.8 M742

68492 SZUPERSKI, T. A trichobezoar in the stomach of a pig. (In Polish.) *Med. Veter.* 7:242. Apr. 1951. 41.8 M463

68493 U. S. BUR. OF ANIMAL INDUSTRY. Save pigs and feed by controlling parasites. Washington, 1951? 2 p. 1.972 A2Sa9

68494 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON TRANSMISSIBLE DISEASES OF SWINE. Report. *U. S. Livestock Sanit. Assoc. Proc.* (1950)54:287-289. 1951. 49.9 Un3R

L. M. Hutchings, chairman.

68495 VERGE, J. La méningo-encéphalomyélite du porc; maladie de Teschen, maladie de Techn. *Encyc. Vet. Period.* 1950:366-380. Ref. 41.8 En1

68496 WANNTORP, H., SWAHN, O., and KYLIN, O. On the toxicity of chloramine and hypochlorites for warm-blooded animals. (In Swedish.) *Nord. Vetmed.* 3:459-476. Ref. June 1951. 41.8 N813

English summary. Includes swine.

68497 ZELLER, M. Bekämpfung der schweinepest durch schutzimpfung mit kristallviolettvakzine. *Deut. Tierärztl. Wchnschr.* 58:163-165. June 1, 1951. 41.8 D482

Miscellaneous

68498 ARAN, S. La explotación del cerdo en la actualidad. *Ganadería [Madrid]* 9:103-105. Mar. 1951. 49 G15

Spain. 68499 BAKKER, H. Swine at the exhibitions. (In Dutch.) *Drents Landbbl.* 32(24):4. June 16, 1951. 12 B812

68500 BECKMAN, H. J. Plan to expand? New factors are to be considered this year in swine men's operations. *West. Livestock J.* 29(38):158-159. June 15, 1951. 6 F2278

68501 BELL, C. E., JR. It's good business to show barrows. *Duroc News* 25(7):26,199-201. July 1951. 46.8 N212

68502 BENEKE, R. R. Planning your pork production. *Iowa. State Col. Agr. Ext. Iowa Farm Sci.* 5:178-180. June 1951. 275.28 Io94

Farm management. 68503 BRANDENBURG, B. Consignment shows & sales; tips on how to make them successful. *Duroc News* 25(7):274-276. July 1951. 46.8 N212

68504 BRUNNERT, J. Westf. veredelte landschweine seit 60 jahren auf den DLG-ausstellungen erfolgreich. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:774-775. May 24, 1951. 18 L2346

68505 ECKHOFF, H. Sind zuchtschweine-elite-veranstaltungen berechtigt und notwendig? *Tierzüchter* 3:301-302. June 5, 1951. 49 T445

68506 FLITTON, L. B. Pigs to loan; unique plan helps boys in Austin, Minnesota, high school who lack capital get a start with hogs. *Capper's Farmer* 62(7):20,32. July 1951. 6 M693

68507 KERCHBERGER, V. H. The best type is the most profitable type. *Duroc News* 25(7):39,42-43. July 1951. 46.8 N212

68508 KLEIN, W. Fitting pigs for the fairs. *Duroc News* 25(7):183-184. July 1951. 46.8 N212

68509 LANSDALE, D. The first step in pig keeping: buy an in-pig sow. *Mod. Poultry Keeping* 64:598. May 30, 1951. 47.8 Eg3

68510 ORENSANZ, J. Los cerdos "grasos" de España. *Ganadería [Madrid]* 9:159-161. Apr. 1951. 49 G15

68511 ST. HARTMANN. Aus der schweinezucht und schweinehaltung. *Grüne* 79:189-191. Feb. 16, 1951. 17 Sch9

68512 U. S. BUR. OF ANIMAL INDUSTRY. Swine research. Beltsville, Md., 1951. 4 p. 1.972 A3Sw62

ENTOMOLOGY

GENERAL

68513 BLAS, L. Sustancias insectotropas. *Ion* 11:142-145. Mar. 1951. 385 Io6

Repellents and attractants. 68514 CANADA. DEPT. OF AGRICULTURE. SCIENCE SERV. DIV. OF FOREST BIOLOGY. Annual report of the Forest Insect Survey, 1950. Ottawa, 1951. 123 p. 423.92 C162

68515 CHADWICK, C. E. Changes in the nomenclature of certain insects and arachnids; list 1. *Victorian Nat.* 67:227-230. Mar. 1951. 410 V66

68516 CLAUSEN, C. P. Respiratory adaptations in the immature stages of parasitic insects. *Arthropoda* 1:197-224. Oct. 16, 1950. 421 Ar7

68517 DENIS, J. Un type commode d'aspirateur. *Entomologiste* 6:168-170. Nov./Dec. 1950. 421 En814

68518 FRANZ, J. Insektenviren als organismen. *Umschau* 51:198. Apr. 1, 1951. 474 Um7

68519 GOFFE, E. R. On the use of abbreviations or contractions when citing the authors of scientific names. *Soc. Brit. Ent. J.* 3:235-240. Jan. 12, 1951. 420 En85J

68520 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. PEST INFESTATION RESEARCH BOARD. Report of the Pest Infestation Research Board, with the report of the Director of Pest Infestation Research for the year 1949. London, 1951. 34 p. 423.92 G792

Biology, grain storage, insecticides, fumigants, and isotope tracers.

68521 KNIGHT, O. L. Fossil insect beds of Belmont, N.S.W. *Austral. Mus. Rec.* 22:251-253. Jan. 27, 1950. 514 Au7

- 68522 LACK, D., and LACK, E. Migration of insects and birds through a Pyrenean pass. *J. Anim. Ecol.* 20:63-67. Ref. May 1951. 410 J826
- 68523 MALIES, H. M. Photomicrography for the entomologist. 5. Photography. *Microscope* 8:176-182. May/June 1951. 440.8 M584
- 68524 MARAMOROSCH, K. Handy insect-vector cage. *N. Y. Ent. Soc. J.* 59:49-50. Mar. 1951. 420 N48J
- 68525 MOORE, B. P. On preserving the colours of dragonflies and other insects. *So. London Ent. & Nat. Hist. Soc. Proc. & Trans.* 1949/50:179-186. Apr. 1951. 420 So8
- 68526 MOUCHET, J. Une localité intéressante: la forêt de Gesse. *Entomologiste* 6:155-158. Nov./Dec. 1950. 421 En814
- 68527 OSBORNE, M. F. M. Aerodynamics of flapping flight with application to insects. *J. Expt. Biol.* 28:221-245. Ref. June 1951. 442.8 B77
- 68528 PEMBERTON, C. E. The Hawaiian Entomological Society, a community asset. *Hawaii. Ent. Soc. Proc.* 14:301-305. 1950, pub. Mar. 1951. 420 H312
- 68529 PETERSON, A. Larvae of insects; an introduction to Nearctic species. II. Coleoptera, Diptera, Neuroptera, Siphonaptera, Mecoptera, Trichoptera. *Columbus*, 1951. 416 p. 422 P442L
- 68530 PIERCE, W. D. Fossil arthropods from onyx-marble. 4-9. *South. Calif. Acad. Sci. B.* 50:34-49. Jan./Apr. 1951. 500 So8
- 4, Hot calcareous waters killing insects; 5, Further material from the Bonner onyx-marble quarry; 6, A personal visit to Bonner quarry; 7, The fossil Pedipalpi from Bonner quarry; 8, A fossil millipede from Bonner quarry; 9, Fossil primitive insects from onyx-marble. Includes new genera *Calcoschizomus*, *Onychomachilis*, *Onycholepisma*, *Onychocampodea*, *Plioprojapyx*, and *Calciacunculus*.
- 68531 SCHENKER, P. Wie und wo überwintern die Insekten. *Grüne* 79:192-196. Feb. 16, 1951. 17 Sch9
- 68532 SNODGRASS, R. E. Comparative studies on the head of mandibulate arthropods. *Ithaca, Comstock Pub., assoc. with Cornell U. Press*, 1951. 118 p. Ref. 435 Sn5
- Includes Chilopoda, Diplopoda, Paupoda, Symphyla, and insects.
- 68533 STEINHAUS, E. A Report on diagnoses of diseased insects 1944-1950. *Hilgardia* 20:629-678. Ref. May 1951. 100 C12H
- 68534 TOWNES, H. A cabinet for Schmidt boxes. *Coleopterists' B.* 5:21-27. Apr. 1951. 421 C674
- 68535 U. S. EXTENSION SERV. List of State extension entomologists and extension apiculturists. *Washington*, 1951. 5 p. 1.913 A2L697
- ### GENERAL - ECONOMIC
- 68536 ABRAHAM, L. M. The fifty-thousand-year war. *Nulaid News* 29(3):26-28. July/Aug. 1951. 47.8 N917
- Man vs. insects.
- 68537 ACKLEY, W. B., WALKER, K. C., and BENSON, N. R. DDT residues in orchard soils. *Wash. State Hort. Assoc. Proc.* 46:85-88. 1950. 81 W273
- 68538 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. NORTH CENTRAL STATES BR. Proceedings of the sixth annual meeting, Toledo, Ohio, March 21 and 22, 1951. *J. Econ. Ent.* 44:439-441. June 1951. 421 J822
- 68539 ARCENEUX, C. J. Microscopic analysis of benzene hexachloride. *Analyt. Chem.* 23:906-911. Ref. June 1951. 381 J825A
- 68540 BELLAVITE, F. Show of antiparasitics. (In Portuguese.) *Informatore Agr.* 7(8):8-11. Apr. 15, 1951. 281.8 In32
- A description of various insecticides, fungicides, and herbicides.
- 68541 BIDSTRUP, P. L., and PAYNE, D. J. H. Poisoning by dinitro-ortho-cresol; report of eight fatal cases occurring in Great Britain. *Brit. Med. J.* 4722:16-19. Ref. July 7, 1951. 448.8 B77
- 68542 BISHOPP, F. C. Agricultural crop yields gain tremendously through use of pesticides. *Agr. Chem.* 6(7):46-48, 105, 107. July 1951. 381 Ag8
- Insecticides.
- 68543 BISSELL, T. L. How to control insect pests of sweet potatoes. *Md. Agr. Col. Ext. Fact Sheet* 28, 2 p. Apr. 1951. 275.29 M36Fa
- 68544 BJERGGAARD, A. Experiences with Bladan fumigation tablets. (In Danish.) *Gart.-Tid.* 67:135-136. Mar. 14, 1951. 80 G192
- In greenhouses.
- 68545 BLOCK, S. S. Protection of paper and textile products from insect damage. *Indus. & Engin. Chem.* 43:1558-1563. Ref. July 1951. 381 J825
- 68546 BOOTH, C. E. Allies in the insect world. *Org. Gard.* 19:22-24. July 1951. 56.8 Or3
- 68547 BRANNON, D. H. New insecticides—their uses and limitations. *Wash. State Col. Ext. Mimeog.* 1042, 2 p. May 1951. 275.29 W27Mi
- 68548 BROWN, L. R. A method for estimating zonal areas of apple skin in insecticide residue studies. *J. Econ. Ent.* 44:432-433. June 1951. 421 J822
- 68549 BRUNER, S. C. Reseña del control biológico de plagas en Cuba. *B. de Hist. Nat.* 2(5):37-43. Mar. 1951. 410.9 So15B
- Includes insects.
- 68550 BUTLER, E. Do you know these cotton insects? *Prog. Farmer, Tex. Ed.* 66(7):38, 41. July 1951. 6 T311
- 68551 CARVER, F. E. Stone fruit pest control panel discussion. *Wash. State Hort. Assoc. Proc.* 46:28-30. 1950. 81 W273
- 68552 CHAPMAN, R. K. Control vegetable insects. *Wis. Hort.* 41:246-247. (Cont.) June 1951. 80 W752
- 68553 COLBERG, W. J. Control livestock pests for greater profits. *N. Dak. Agr. Col. Ext. C. A-153*, 6 p. Jan. 1951. 275.29 N812Sa
- 68554 CONKLIN, J. G. Insect control experiments in 1950. *N. H. Hort. Soc. J.* 14:115-117. 1951. 81 N452J
- 68555 CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Blueberry pest control guide, 1951, by F. D. Johanson, W. T. Brigham, and E. Stoddard. *Storrs*, 1951. 2 p. 275.29 C76BL
- 68556 COSTE, C. D. Insectos parásitos de las madeiras. *Chacra* 21(247):20-21. June 1951. 9 C34
- 68557 COURT, A. Climate, insects, and man in Alaska. *Natl. Res. Council. B.* 122:76. Apr. 1951. 330.9 N21
- 68558 CRIST, E. Apple and pear pest control panel. *Wash. State Hort. Assoc. Proc.* 46:97. 1950. 81 W273
- 68559 CUILLE, J. Effet de synergisme obtenu lors de la dégradation du mélange de chlordane et de parathion. *Fruits* 6:99-103. Ref. Mar. 1951. 80 F9492
- 68560 DEBACH, P., and BARTLETT, B. Effects of insecticides on biological control of insect pests of citrus. *J. Econ. Ent.* 44:372-383. Ref. June 1951. 421 J822
- 68561 DEEDS, F., WILSON, R. H., and AMBROSE, A. M. Hazards and potential drugs. *U. S. D. A. Ybk.* 1950/51:721-726. 1 Ag84Y
- Toxicity of phenothiazine and 2-acetaminofluorene.
- 68562 DIGIACOMO, V. Problems encountered in the perfuming of aerosols. *Toilet Goods Assoc. Sci. Sect. Proc.* 15:9-11. May 1951. 308.9 T49
- Insecticides.
- 68563 DOBROVSKY, T. M. Insects cost tobacco farmers millions of dollars each year. *Patron* 11(12):6. June 1951. 280.28 P27
- 68564 DUSPIVA, F. Über die Wirkung einiger organischer phosphorsäureverbindungen mit Insektiziden Eigenschaften auf die Cholinesterase. *Biol. Zent. f. Land- u. Forstwirtschaft. Mitt.* 70:91-93. Feb. 1951. 410.9 G31M
- 68565 EDWARDS, G. R. Insect pests of vegetable crops. *So. Austral. Dept. Agr. J.* 54:382-390. (Cont.) Mar. 1951. 23 So84
- 68566 ENNS, W. R. Strawberry insect control recommendations for 1951. *Mo. State Hort. Soc. Hort. News* 1951:4-5. Mar. 1951. 81 M692H
- 68567 EVANS, A. C. Entomological research in the Overseas Food Corporation (Fanganyika). *Ann. Appl. Biol.* 38:526-529. June 1951. 442.8 An72
- Diseases and pests of peanuts, sorghum, and sunflowers.
- 68568 EVERY, R. W. Cherry insect pests. *West. Fruit Grower* 5(4):37. Apr. 1951. 95.8 G762
- 68569 EYER, J. R. New insecticides for garden insects. *N. Mex. Agr. Expt. Sta. B.* 361, 24 p. Apr. 1951. 100 N465
- 68570 FARM EQUIPMENT INSTITUTE. RESEARCH DEPT. Spraying and dusting means greater food production. *Farm Equip. Retailing* 12:24, 58. July 1951. 58.8 F2292
- Pest control.
- 68571 FRANZ, J. Die modernste Forschungsstätte für biologische Schädlingsbekämpfung: das Institut zur Erforschung von Insektenkrankheiten in Sault Ste. Marie in Kanada. *Umschau* 51:114-115. Feb. 15, 1951. 474 Um7
- 68572 FREAR, D. E. H., ed. Pesticide handbook. *State College, Pa.*, 1951. 158 p. 225 F87

68573 GAINES, J. C., DEAN, H. A., and WIPP-RECHT, R. Tests of insecticides for control of cotton insects during 1950. *J. Econ. Ent.* 44:367-372. June 1951. 421 J822

Frankliniella tritici, *Anthonomus grandis*, *Heliothis armigera* and *Septanychus texazona*.

68574 GEISLER, E. Einige Beobachtungen über den Einfluss des hexachlorcyclohexans auf die pflanze. *Nachricht. des Deut. Pflanzenschutzdienstes* 2:131-135. Sept. 1950. 442.9 B832

68575 GERRITSEN, C. Culture and biological control. (In Dutch.) *Volkstuin* 34:18. Feb. 1951. 80 V88

Insects and rodents.
68576 GHIDINI, G. M. Insects parasitic on tobacco in the field. (In Italian.) *Riv. Fitosanit.* 2(4):25-35. Ref. Jan. 1951. 464.8 R522

68577 GHIDINI, G. M. Modern methods for insect control. (In Italian.) *Sci. e Lav.* 6(5):1-56. May 1951. 475 Sci 27

68578 GLEISSNER, B. B. New developments in insecticides for fruits and vegetables. *N. H. Hort. Soc. J.* 14:39-45. 1951. 81 N452J

68579 GOLDSCHMIDT, E. Deleterious genes in wild *Drosophila melanogaster* from Israel. *Amer. Nat.* 85:201-205. Ref. May/June 1951. 470 Am36

68580 GORDON, H. T. An informal talk on selective action of insecticides. *Wash. State Hort. Assoc. Proc.* 46:90-96. Ref. 1950. 81 W273

68581 GOULD, E. Some new developments in insect control. *Mountaineer Grower* 21(186):3-7. Mar. 1951. 80 M86

68582 GRAHAM, J. F. B.H.C. baits for destroying crop pests in Kenya. *Kenya. Dept. Agr. Annu. Rev.* 1950:71-72. 24 K423

68583 GUIGNOT, F. Encore un mot sur les insecticides. *Entomologiste* 6:158-162. Nov./Dec. 1950. 421 En814

Ideal properties.

68584 GUNDERSON, H., and WOLF, D. C. Ag leaders can help; farmers will benefit when aerial sprayers become established. *Better Farming Methods* 23(5):52,54-55. May 1951. 58.8 B46

Pest control.

68585 HADLINGTON, P. Forest insects and wood-destroying insects of New South Wales. III. *N. S. Wales. Forestry Comm. Div. Wood Technol. Tech. Notes* 4(spec. no.):19. Nov. 1950. 99.9 N472T

Chrysolopus spectabilis and *Strongylorrhinus ochraceus* attacking roots.

68586 HANNA, R. L., and GAINES, J. C. Lime-free calcium arsenate mixed with organic insecticides for cotton insect control. *J. Econ. Ent.* 44:430-432. June 1951. 421 J822

Heliothis armigera, *Anthonomus grandis*, and *Aphis gossypii*.

68587 HANSENS, E. J. Lindane for poultry pests. *N. J. Agr. Col. Ext. L.* 52,2 p. May 1951. 275.29 N46L

68588 HARPER, S. H. Developments in insecticide chemistry: synthesis of the pyrethrins. *Sci. Prog. [London]* 39:449-458. Ref. July 1951. 472 Sci22

68589 HARTSIG, J. Alfalfa seed dusting. *Crop comments* 4(6):1-2. Apr. 1951. 57.8 C88

For insect pests.

68590 HARVEY, D. G., BIDSTRUP, P. L., and BONNELL, J. A. L. Poisoning by dinitro-ortho-cresol; some observations on the effects of dinitro-ortho-cresol administered by mouth to human volunteers. *Brit. Med. J.* 4722:13-16. July 7, 1951. 448.8 B77

68591 HOGG, D. J. Manufacture of spray chemicals at Mapua. *New Zeal. J. Agr.* 82:409,411,413-414. May 1951. 23 N48J

68592 HÜTER, L. Die Bedeutung der entseuchungsverfahren mit Gasen für die pflanzenquarantäne. *Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt.* 70:117-118. Feb. 1951. 410.9 G31M

68593 JACQUIOT, J. Emploi du chauffage par la haute fréquence pour la destruction des insectes des bois mis en œuvre. *Bois et Scieries* 57:436. May 3, 1951. 99.81 B632

68594 JANCKE, O. Versuche zur inneren therapie. *Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt.* 70:89-91. Feb. 1951. 410.9 G31M

Systemic insecticides.

68595 KERSTRAT, H. DE. La lutte contre les ennemis des plantes oléagineuses métropolitaines. *Agri-culture [Paris]* 15:131-132. May 1951. 14 Ag823

Insects.

68596 KING, W. V. Repellents and insecticides available for use against insects of medical importance. *J. Econ. Ent.* 44:338-343. Ref. June 1951. 421 J822

For control of mosquitoes, ticks, fleas, and chiggers.

68597 KNIPLING, E. F. The new insecticides for controlling external parasites of livestock. *U. S. Bur. Ent. & Plant Quar. E-762, rev.* 28 p. June 1951. 1.9 En83

68598 KRISTER, C. J. Methoxychlor. *Agr. Chem.* 6(7):39-41,93. Ref. July 1951. 381 Ag8

68599 KUHN, L. Ist schädlingsbekämpfung rentabel? *Tech. f. Bauern u. Gärt. Ausg. A* 3:100-101. Feb. 25, 1951. 58.8 T223

68600 LAUG, E. P., KUNZE, F. M., and PRICKETT, C. S. Occurrence of DDT in human fat and milk. *Arch. Indus. Hyg. & Occup. Med.* 3:245-246. Mar. 1951. 449.8 Ar24

68601 LEIBY, R. W. The facts about parathion; toxic to man - deadly to insects. *Better Farming Methods* 23(5):38,40. May 1951. 58.8 B46

68602 LEMONS, E. Early, continuous insect control program is vital to your cotton profits. *Farmer-Stockman* 54(6):8. June 1951. 6 Ok45

68603 LEPAGE, H. S., and SILVA, S. G. DA. Preview of insecticide and fungicide consumption in the State of São Paulo in the crop year 1951-52. (In Portuguese.) *Biológico* 17:61-71. Apr. 1951. 442.8 B529

68604 LEPAGE, H. S., and GIANNOTTI, O. Researches relative to B.H.C. (hexachlorocyclohexane); the pure gamma isomer of B.H.C. and its use as an insecticide. (In Portuguese.) *Biológico* 17:41-44. Mar. 1951. 442.8 B529

68605 LOEWEL, E. L. Vergiftungsfälle bei pferden, kühen usw. durch spritzmittel. *Obstbauversring. Mitt.* 1950:124. Nov. 1/15, 1950. 85 J76

68606 LORD, K. A., and POTTER, C. Studies on the mechanism of insecticidal action of organo-phosphorus compounds with particular reference to their anti-esterase activity. *Ann. Appl. Biol.* 38:495-507. June 1951. 442.8 An72

Experiments with *Tenebrio molitor*, *Tribolium castaneum*, *Diataraxia oleracea*, and *Ephestia kuehniella*.

68607 MARTIN, W. W. Treat farm chemicals with respect. *West. Farm Life* 53(11):3,7. June 1, 1951. 6 R153

Insecticides and herbicides.

68608 MICHELbacher, A. E., and FURMAN, D. P. Control of household insects and related pests. *Calif. Agr. Col. Ext. C.* 172,34 p. Apr. 1951. 275.29 C12C

68609 MILTON, R. H. Destroy tobacco insects before they damage the crop. *Ky. Farmer* 87(7):4,28,30. July 1951. 6 F2237

68610 MONTE, G. DAL. Survey on the diffusion of stored-wheat parasites in the world. (In Italian.) *Molini d'Italia* 2:108,110. Mar. 1951. 298.8 M73

English summary, p. 97.

Insects.

68611 MOORE, L. H. Control household pests. *N. Mex. Agr. Col. Ext. C.* 226,16 p. Mar. 1951. 275.29 N463E

68612 MOORE, L. H. Control your garden pests. *N. Mex. Agr. Col. Ext. C.* 230,8 p.-folder. Apr. 1951. 275.29 N463E

68613 MOORE, L. H., and WATSON, I. Let's control livestock pests! *N. Mex. Agr. Col. Ext. C.* 228,8 p.-folder. Mar. 1951. 275.29 N463E

68614 MOORE, W. C. Legislation against plant diseases and pests in England and Wales. *Ann. Appl. Biol.* 38:529-531. June 1951. 442.8 An72

68615 MOTTA, L. A. C. C. DA. A case of probable poisoning in man by benzene hexachloride. (In Portuguese.) *Inst. de Med. Trop. An.* 7:455-476. Ref. July 1950. 448.9 L68

English summary.

68616 NEW MEXICO. COLLEGE OF AGRICULTURE. EXTENSION SERV. Cotton insect control guide for New Mexico, 1951. *N. Mex. Agr. Col. Ext. C.* 227,7 p.-folder. Mar. 1951. 275.29 N463E

68617 NIGHTINGALE, A. E. Selecting insecticides. *Atlantic Co. Vocat. B.* 25, i.e. 30(6):1-2. Apr. 1951. 6 At62

68618 PARKIN, E. A. Biological tests of insecticides for stored-product insects. *J. Sci. Food & Agr.* 2:136-141. Ref. Mar. 1951. 382 So12

68619 PETCH, C. E., and BEAULIEU, A. A. Report on investigations of fruit insects in 1949. *Quebec. Pomol. & Fruit Growing Soc. Annu. Rpt.* 56:66-75. 1949. 82 Q3

68620 PHILIPP, W. Die praktische obstbaumentseuchung. *Gesunde Pflanzen* 3:71-73. Apr. 1951. 464.8 G33

For insect pests.

68621 POLIVKA, J. B. Effect of insecticides upon earthworm populations. *Ohio J. Sci.* 51:195-196. July 1951. 410 Oh3

68622 RODALE, R. The case against DDT. *Org. Gard.* 19:42-44. (Concl.) July 1951. 56.8 Or3

- 68623 RODRIGUEZ, J. G., and ARMSTRONG, W. D. Kentucky spray and dust schedules for commercial fruit plantings, 1951-52. Ky. Agr. Col. Ext. C. 487,40 p. Mar. 1951. 275.29 K415
- 68624 ROSBACO, U. F. Determinación del "picado" en malces dentados y "flint." Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:155-156. 1950. 59.9 P41
- 68625 ROUZE, I. DE. Importancia de la lucha biológica en el control de los insectos nocivos. Res 19: 26019-26020. June 5, 1951. 286.85 R31
- 68626 RUSSO, G. Biological control of animal and plant parasites. (In Italian.) Italia Agr. 88:293-299. May, 1951. 16 It1
- Control of insect pests of plants.
- 68627 SEUME, R. Gewerbliche schädlingbekämpfung im pflanzenschutz. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:20-24. Feb. 1951. 410.9 G31M
- Insect pests.
- Includes discussion.
- 68628 SIMMONS, S. W., and UPHOLT, W. M. Disease control with insecticides; a review of the literature. World Health Organ. B. 3:535-556. Ref. 1951. 449.9 W829B
- Diseases transmitted by mosquitoes, lice, fleas, flies, Hemiptera, mites, ticks, etc.
- 68629 SPERONI, G., LOSCO, G., and PERI, C. A. Esters of thiocyanacetic acid and their insecticidal properties. (In Italian.) Chlm. e l'Indus. 33:209-211. Ref. Apr. 1951. 385 G43
- 68630 SPEYER, W. Tierische schädlinge der kohl-pflanzen. Biol. Bundesanst. Braunschweig. Flugbl. H 3, 12 p. July 1950. 464.9 B833
- 68631 SPRINGER, P. F., and WEBSTER, J. R. Biological effects of DDT applications on tidal salt marshes. Mosquito News 11:67-74. June 1951. 421 M85
- Effects on birds, fish, crustaceans, etc.
- 68632 STAPLEY, J. H. Synthetic organic insecticides, their values and limitations. (Extr.) Chem. Age 64:985-987. June 30, 1951. 382 C427
- 68633 STARNES, O., and REED, J. P. Vegetable insects and their control on commercial plantings. N. J. Agr. Expt. Sta. B. 756,16 p. Apr. 1951. 100 N46S
- 68634 STEINER, H. Schädlinge in haus, hof und garten. 4. Kosmos 47:180-182. Apr. 1951. 474 K842
- Insects.
- 68635 STRICKLAND, A. H. The entomology of swollen shoot of cacao. I. The insect species involved, with notes on their biology. B. Ent. Res. 41:725-748. Ref. Apr. 1951. 421 B87
- 68636 THIEM, E. Eigenschaften und wirkungsweise des hexachlorcyclohexans. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:24-30. Ref. Feb. 1951. 464.9 N11
- 68637 THOMAS, G. W. Summary of 1950 grape insect investigations. Mo. State Hort. Soc. Hort. News 1951:6-7. Mar. 1951. 81 M692H
- 68638 THOMPSON, S. L. Our allies—the birds. Ontario Milk Prod. 27:41. July 1951. 44.8 On8
- In insect control.
- 68639 THOMSON, A. G. New insect-proof material for use in export packaging. Food Indus. So. Africa 3(11): 65,67. Mar. 1951. 389.8 F7372
- 68640 U. S. PUBLIC HEALTH SERV. COMMUNICABLE DISEASE CENTER. TECHNICAL DEVELOPMENT SERV. Recommendations for the use of insecticides and rodenticides in communicable disease control operations in 1951. CDC Bulletin 10(4):22-24. Apr. 1951. 151.65 C12
- 68641 VIADO, G. B. Warfarin and lindane: two new pest control materials in the market. Agr. & Indus. Life 13(4):12,33,38. Apr. 1951. 25 Ag8
- 68642 VIEIL, G. Variation de l'effet toxique en fonction de la quantité de poudre déposée dans les poudrages insecticides. Pomme de Terre Franc. 14(138):14-15. Mar. 1951. 75.8 P77
- 68643 WAGNER, E. Hexa-schädlingbekämpfungsmittel im vormarsch. Seifen-Öle-Fette-Wachse 77:295-296. June 6, 1951. 307.8 Se4
- 68644 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Spray programs for tree fruits in eastern Washington. Wash. State Col. Ext. B. 449,rev.,35 p. Feb. 1951. 275.29 W27P
- 68645 WEBER, P. W. Recent liberations of beneficial insects in Hawaii. Hawaii. Ent. Soc. Proc. 14:327-330. 1950, pub. Mar. 1951. 420 H312
- Parasites for biological control of pests.
- 68646 WESTLAKE, W. E. The effect of new insecticides on the soil. Wash. State Hort. Assoc. Proc. 46:169-174. Ref. 1950. 81 W273
- 68647 WHAT is biological control? Calif. Citrog. 36: 351,368. July 1951. 80 C125

- 68648 WILSON, C. S. Some biological and technical aspects of control of biting insects in Alaska. Natl. Res. Council. B. 122:94. Apr. 1951. 330.9 N21
- 68649 WINSOR, A. P. Inspection procedure in England and Wales. Ann. Appl. Biol. 38:531-535. June 1951. 442.8 An72
- 68650 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Spraying farm orchards. Wis. Agr. Col. Ext. Stencil C. 157,rev.,4 p. Mar. 1951. 275.29 W75S

APICULTURE AND APIS MELLIFERA

- 68651 ADAM, BROTHOR. In search of the best strains of bees; the purpose and scope of this work. Bee World 32:49-52. (To be cont.) July 1951. 424.8 B399
- 68652 ALLEN, F. G. How about a "safety valve" under the brood box? Good Bee-Keeping 6:50-51. Apr. 1951. 424.8 G59
- 68653 ANDERSON, E. J. Honeydew from tulip poplar scale [Toumeyella liriodendri] kills brood in bee colonies. Sci. Farmer [Pa. Sta.] 1951:8-9. Mar. 1951. 100 P381
- 68654 AURACHER, K. Eine wahrnehmung aus der züchterpraxis. Carnika-Züchterring 3:19. Feb. 1951. 424.8 C21
- 68655 BARNES, R. H. Bee stamps. Bee Craft 33:86. May 1951. 424.8 B3925
- 68656 BAUCKHAGE, F. Die mehrfelderwirtschaft; eine betrachtung um die wirtschaftliche nutzung. II. Bienenwarte 4:66-67. Mar. 25, 1951. 424.8 B4722
- 68657 THE BEEKEEPER his legal position. Brit. Bee J. 79:125-126. (To be cont.) Feb. 17, 1951. 424.8 B77
- 68658 BEILMANN, A. P. Bees and wild flowers. Amer. Bee J. 91:280-281. July 1951. 424.8 Am3
- Pollination.
- 68659 BELMONTE PABÓN, E. Reinas seleccionadas. Valencia Avic. 8(3):38-39. Apr. 1951. 47.8 V23
- 68660 BERTRAM, T. Warum leistungszucht. Bienenwarte 4:69. (Cont.) Mar. 25, 1951. 424.8 B4722
- 68661 BOEHM, H. Im namen des volkes. Bienenwarte 4:67-68. Mar. 25, 1951. 424.8 B4722
- 68662 BOHM, W. Vom einfangen der bienenschwärme. Allgauer Bauernbl. 19:302-303. May 31, 1951. 18 AL53
- 68663 BONE, D. Our grandfathers and the winter problem. II. Bee Craft 33:86. May 1951. 424.8 B3925
- 68664 BOTTCHER, F. K. Imkere als beruf für nachgeborene bauernsöhne. Imkerfreund 6:111. Apr. 1951. 424.8 Im43
- 68665 BOYER, J. "Gratte-ciel" pour abeilles. Nature [Paris] 319:122. Apr. 1951. 473 N21
- 68666 BÜDEL, A. Vom wärmehaushalt eines bienenkastens. Luxemburg. Bienen-Ztg. 66:43-44,58-60. Mar.-Apr. 1951. 424.8 L97
- 68667 CAILLAS, A. L'apiculture intensive. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 7:51-53. Feb. 1951. 424.8 Sy7
- 68668 CARR, E. G. Queen introduction. Amer. Bee J. 91:287. July 1951. 424.8 Am3
- 68669 CORTI, W. R. Zur stammesgeschichte der honigbiene. Du 11(4):37,40-41. Apr. 1951. 426 D85
- 68670 COTINI, A. Progress of apiculture in Italy. (In Italian.) Apic. d'Italia 18:82. Apr. 1951. 424.8 Ap372
- 68671 COX, T. J. Alighting boards and all that! Brit. Bee J. 79:166. Mar. 3, 1951. 424.8 B77
- 68672 DARKE, L. Guilty beekeepers. Wiltshire Beekeepers' Gaz. 73:4. May/June 1951. 424.8 W71
- Spread of bee disease.
- 68673 DENZ, J. Imkerpraxis im Alpenvorland. Imkerfreund 6:129-131. (To be cont.) Apr. 1951. 424.8 Im43
- 68674 DUGAT, M. L'élevage des reines simplifié. Cahiers Apic. Jan./Mar. 1951:43-50. (Concl.) 424.8 C73
- 68675 DUGAT, M. La ruche en verre thermolux bleu; expériences durant l'année 1950. Cahiers Apic. Jan./Mar. 1951:56-57. 424.8 C73
- English summary, p.61.
- 68676 ECKERT, J. E. Beekeeping in Hawaii. Gleanings Bee Cult. 79:393-400. (To be cont.) July 1951. 424.8 G47
- 68677 EVENTUS. Zur praktischen durchführung der verordnung über bienenschädliche pflanzenschutzmittel vom 25.5.1950. Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt. 70:109-113. Feb. 1951. 410.9 G31M
- Includes discussion.
- 68678 FRISCH, K. VON. Die "sprache" der bienen. Du 11(4):17-20. Apr. 1951. 426 D85

- 68679 FYG, W. Über die vorgänge bei der natürlichen begattung der bienenkönigin. Schweiz. Bienen-Ztg. 74: 156-171. Ref. Apr. 1951. 424.8 Sch9
- 68680 GARRATT, G. R. M. Brood space and M.D. frames. Bee Craft 33:87-88. May 1951. 424.8 B3925
- 68681 GLETHOFER, B. Was können wir von einem bienenvolk verlangen und was verlangt dasselbe von uns? Carnika-Züchterring 3:25-26. Feb. 1951. 424.8 C21
- 68682 GOROSTIDI E YMAZ, A. Apicultura: trashumancia. Valencia Avfc. 8(2):41,43;(3):34-37. Mar.-Apr. 1951. 47.8 V23
- 68683 GREMLING, F. Keine verwechslung der begriffe! - Nur klarheit. Luxemburg. Bienen-Ztg. 66:56-58. Apr. 1951. 424.8 L97
Colony management.
- 68684 GROUT, R. A. Producing more beeswax. Amer. Bee J. 91:282-283. July 1951. 424.8 Am3
- 68685 GUILHON, J. Recherches apicoles et lutte contre les maladies des abeilles en France. Encyc. Vét. Périod. 1951:4-12. 41.8 En1
- 68686 HANLAN, R. M. Demareeing at Winterburn. West. Canada Beekeeper 14(7):6. July 1951. 424.8 W525
- 68687 HARPER, K. Management in a mixed apiary. Good Bee-Keeping 6:53-55. Apr. 1951. 424.8 G59
- 68688 HAUSSINGER, W. Keine räuberi mehr. Imkerfreund 6:112-114. Apr. 1951. 424.8 Im43
- 68689 HAYDEN, J. G. Congregation of drones. Brit. Bee J. 79:133. Feb. 17, 1951. 424.8 B77
- 68690 HEBDEN, A. Ways and means towards better beekeeping. Yorkshire Beekeeper 2:10-11, 26-27. Feb., Apr. 1951. 424.8 Y8
Colony management.
- 68691 HEIBL, M. Der wiederaufbau des beobachtungs wesens in Bayern. Imkerfreund 6:127-128. Apr. 1951. 424.8 Im43
- 68692 HEROLD, E. Kleine wanderwinke. Imkerfreund 6:120-122. Apr. 1951. 424.8 Im43
- 68693 HERROD-HEMPSALL, J. The problem of the drone. Brit. Bee J. 79:290-291. Apr. 14, 1951. 424.8 B77
- 68694 HIGGINS, A. G. Food facts or fancies. Yorkshire Beekeeper 2:5, 4, 12-13. Jan.-Feb. 1951. 424.8 Y8
- 68695 HILGER, R. Die künstliche besamung der bienenkönigin. Luxemburg. Bienen-Ztg. 66:25-26. Feb. 1951. 424.8 L97
- 68696 HIRSCHFELDER, H. Kleine erfahrungen zur milbenseuche. Imkerfreund 6:110-111. Apr. 1951. 424.8 Im43
- 68697 HIRSCHFELDER, H. Quantitative unter suchungen zum polleneintragen der bienenvölker. Z. f. Bienenforsch. 1:67-77. Ref. Apr. 1951. 424.8 Z3
- 68698 HOMER, A. L. Weighing. Brit. Bee J. 79:31-32. Jan. 13, 1951. 424.8 B77
Loss in weight during winter.
- 68699 JEFFREE, E. P. Some general recommenda tions in connection with acarine disease. Scot. Beekeeper 27:59. (To be cont.) Apr. 1951. 424.8 Sco8
- 68700 KAVEN, G. Ursachen der unfruchtbarkeit der obstbäume und bienenhaltung. Bienenwarte 4:72. Mar. 25, 1951. 424.8 B4722
- 68701 KEISER, F. Honig aus unbebrüteten waben. Imkerfreund 6:133-134. Apr. 1951. 424.8 Im43
- 68702 KLEIN, F. Die krankheiten der bienen. Land frau 6(11):5. May 1951. 18 L2337
- 68703 KLIMENTOV, A. A. Teaching at Sysert School of Apiculture. (In Russian.) Pchelovodstvo 27:676-681. Dec. 1950. 424.8 P295
- 68704 KOSCHER, J. Die bienenzucht in Frankreich. Carnika-Züchterring 3:43-44. Mar. 1951. 424.8 C21
- 68705 KOTOGLIAN, A. M. New methods of breeding queen bees. (In Russian.) Akad. Nauk Armfanskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:867-871. 1950. 20 Er4
- 68706 LAMBERT, J. The use and abuse of those queen excluders, and other matters. Good Bee-Keeping 6:60-61. Apr. 1951. 424.8 G59
- 68707 LENG, K. Comments on equipment. Brit. Bee J. 79:33-34. Jan. 13, 1951. 424.8 B77
- 68708 LINSTER, N. Bienchens erster flug. Luxem burg. Bienen-Ztg. 66:36-37. Mar. 1951. 424.8 L97
- 68709 LOVELL, F. W. A workable swarm control system. Good Bee-Keeping 6:55-56. Apr. 1951. 424.8 G59
- 68710 LUTZ, J. Bericht über die standbesuche und die nosenhilfskasse des VDSB [Verein Deutsch-Schwei zerischer Bienenfreunde] im jahre 1950. Schweiz. Bienen Ztg. 74:146-148. Apr. 1951. 424.8 Sch9
- 68711 LUTZ, J. Schwarmvermittlung des VDSB [Ve rein Deutsch-Schweizerischer Bienenfreunde] im jahre 1951. Schweiz. Bienen-Ztg. 74:148-150. Apr. 1951. 424.8 Sch9
- 68712 MCALPIN, R. Bees smell fear of the trembling beginner. Good Bee-Keeping 5:66-67. May 1951. 424.8 G59
- 68713 MCDERMOTT, F. A Swiss multiple beehive. Brit. Bee J. 79:75. Jan. 27, 1951. 424.8 B77
- 68714 MCREYNOLDS, C. S. My experience keeping bees in Texas. Minn. Beekeeper 4(2):15-16. Apr. 1951. 424.8 M66
- 68715 MACWHIRTER, G. T. Wintering problems. Brit. Bee J. 79:335-336. Apr. 28, 1951. 424.8 B77
- 68716 MAILLEBUAU, J. Ruche paysan moderne. Aveyron, Viala-du-Tarn, 1950? 14 p. 424 M282
- 68717 MAQUIL, E., and BANZHAF, J., JR. Zwei neuartige und zweckmässige bienenwohnungen. Luxem berg. Bienen-Ztg. 66:20-24. Feb. 1951. 424.8 L97
I, Die etagenbienwohnung "LUX"; II, Die wolkenkrat zer-doppelbeute (WDB).
- 68718 MAURIZIO, A. Bienenschutz während der mai käfer-bekämpfungsaktionen 1951. Schweiz. Bienen-Ztg. 74:144-145. Apr. 1951. 424.8 Sch9
Melolontha melolontha control program.
- 68719 MAURIZIO, A. Pollenanalyse und bienenforsch ung. Du 11(4):34, 50, 52. Apr. 1951. 426 D85
- 68720 MELO, P. G. Consejos a los jóvenes apicul tores. Gac. del Colmenar 12(144):7-10, 20-21. (To be cont.) Mar. 1951. 424.8 G11
- 68721 MOFFETT, J. O. European foulbrood; over five thousand cases in Colorado in 1950. Amer. Bee J. 91:286-287. July 1951. 424.8 Am3
- 68722 MORETON, A. Experiments with a cement bee hive. Gleanings Bee Cult. 79:405-407. July 1951. 424.8 G47
- 68723 MORGENTHALER, O. Von bienen und bienen züchtern. Du 11(4):31-33. Apr. 1951. 426 D85
- 68724 MÜLLER, F. Bauerneuerung-totaler neubau. Schweiz. Bienen-Ztg. 74:150-152. Apr. 1951. 424.8 Sch9
- 68725 MUTTOO, R. N. Cold does not kill bees. Indian Bee J. 13:42-45. Mar./Apr. 1951. 424.8 In2
- 68726 PEASE, C. H. What's a swarm worth? Glean ings Bee Cult. 79:435. July 1951. 424.8 G47
- 68727 PESCIO, M. Alimentación de invierno. Chacra 21(247):42. June 1951. 9 C34
Apis mellifera.
- 68728 PÖLZL, W. Honig durch elektrizität. Carnika-Züchterring 3:28-29. Feb. 1951. 424.8 C21
- 68729 PROPOSED revision of Minnesota apiary laws. Minn. Beekeeper 4(2):11-14. Apr. 1951. 424.8 M66
- 68730 PURSEY, M. Know your bees. 14-15. Good Bee-Keeping 6:52-53, 70-71. Apr.-May 1951. 424.8 G59
14, Blood, heart, diaphragms, circulation; 15, The nervous system; the brain; instinct and memory.
- 68731 PUY, E. DE. Recuperación de enjambres. Mensajero Agr. 55/56:21-22. 1950. 9.8 M52
- 68732 RAHMLow, H. J. A case of sabotage. Amer. Bee J. 91:295. July 1951. 424.8 Am3
Holes made in beehives by woodpeckers.
- 68733 RAUTENBERG, H. J. Ich baue mir ein bienenhaus. Imkerfreund 6:125-127. (Concl.) Apr. 1951. 424.8 Im43
- 68734 RHEIN, W. VON. Ueber die ernährung der drohenmaden. Z. f. Bienenforsch. 1:63-66. Apr. 1951. 424.8 Z3
- 68735 ROBERTS, W. C., and MACKENSEN, O. Breed ing improved honey bees. I-II. Amer. Bee J. 91:292-294, 328-330. July-Aug. 1951. 424.8 Am3
- 68736 ROBINSON, K. M. From the barn yard to the front yard in ninety days. Mod. Beekeeping 35:94-95, 102. (To be cont.) Mar. 15, 1951. 424.8 B397
- 68737 ROGERS, N. V. Some thoughts on the most suitable size of brood chamber. Bee Craft 33:92-93. May 1951. 424.8 B3925
- 68738 ROMERO, L. Si las gentes supieran! Valencia Avfc. 8(3):38. Apr. 1951. 47.8 V23
In praise of honeybees.
- 68739 ROPER, E. E. Bee-keeping and the Great Exhibition of 1851. Good Bee-Keeping 5:73-75. May 1951. 424.8 G59
- 68740 RUTTNER, F. Die bienenwirtschaft. Land wirtschaft 1951:172-174. May 1951. 19 L235
Management in Austria.
- 68741 RUTTNER, F. Die imkeri im juni. Landwirt schaft 1951:207. June/July 1951. 19 L235
Austria.
- 68742 SACKMANN, W. Krankes bienenvolk. Leben J. Umwelt 7:157-163. Apr. 1951. 410 L49
- 68743 SAUNDERS, C. An improved method of feeding candy. Brit. Bee J. 79:204. Mar. 17, 1951. 424.8 B77

- 68744 SCHAEFER, H. A new kind of subsidy. *Minn. Beekeeper* 4(2):8-10. Apr. 1951. 424.8 M66
Payment for the honey bees' service as pollinators.
- 68745 SCHMIDT, H. W. Bienengift in der therapie. *Carnika-Züchterring* 3:35-37. Mar. 1951. 424.8 C21
- 68746 SCHMIDT, H. W. Statt pollen-nährhefe. *Carnika-Züchterring* 3:21. Feb. 1951. 424.8 C21
- 68747 SCHUBERT, A. Ein flüchtlingsimker hilft sich selbst. *Imkerfreund* 6:114-115. Apr. 1951. 424.8 Im43
Hive construction.
- 68748 SCHUBERT, F. Etwas über tracht und wandlung. *Imkerfreund* 6:122,140. Apr. 1951. 424.8 Im43
- 68749 SCHUMACHER, A. Die erziehung des zuchtvolkes. *Schweiz. Bienen-Ztg.* 74:152-155. Apr. 1951. 424.8 Sch9
- 68750 SEMPLÉ, G. A. Some reflections on beekeeping in South Africa; beekeeping and the South African bee [*Apis andersonii*]. *I. Brit. Bee J.* 79:310,312. Apr. 21, 1951. 424.8 B77
- 68751 SEMPLÉ, G. A. South African beekeeping. *Brit. Bee J.* 79:224-226. Mar. 24, 1951. 424.8 B77
- 68752 SERRANO MESA, E. La apicultura en Arizona; práctica y enseñanzas. *Ganadería [Madrid]* 9:166-168. Apr. 1951. 49 G15
- 68753 SHEPHERD, W. Swarm prevention without having to find the queen. *Brit. Bee J.* 79:134-135. Feb. 17, 1951. 424.8 B77
- 68754 SMITH, R. W. Essentials of successful beekeeping. Some aspects of early management. *Good Beekeeping* 6:56-57. (Cont.) Apr. 1951. 424.8 G59
- 68755 SMITH, R. W. Handling bees. *Good Beekeeping* 5:71-72. May 1951. 424.8 G59
- 68756 STRATTON, C. L. Brand your hives for identification. *Mod. Beekeeping* 35:79. Mar. 15, 1951. 424.8 B397
- 68757 SUMPF, K. C. Der weg voraus; beziehungen zwischen wabenbau, wärmehaushalt und bienenwohnung. IV. *Bienenwarte* 4:14. Jan. 25, 1951. 424.8 B4722
- 68758 SUTER, J. Bienen tod durch schädling bekämpfung. *Schweiz. Bienen-Ztg.* 74:172. Apr. 1951. 424.8 Sch9
- 68759 TENNENT, J. N. The use of honey bees in alfalfa seed production. *Scot. Beekeeper* 27:57. Apr. 1951. 424.8 Sco8
- 68760 TURNBULL, W. H. Swarm control. *West. Canada Beekeeper* 14(7):3. July 1951. 424.8 W525
- 68761 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Information about bee culture. U. S. Bur. Ent. & Plant Quar. E-276, rev., 11 p. May 1951. 1.9 En83
- 68762 VIKLA, M. R. The two-queen system. *Mod. Beekeeping* 35:80-82, 91. Mar. 15, 1951. 424.8 B397
- 68763 VOMSATTEL, M. Verbesserung der bienenweide. *Schweiz. Bienen-Ztg.* 74:173-174. Apr. 1951. 424.8 Sch9
- 68764 WALTER, H. Der farbige bienenvolkmarkierer "Vorbau" (D.R.P.). *Carnika-Züchterring* 3:29-30. Feb. 1951. 424.8 C21
Also in *Hessische Biene* 86:239-240. Feb. 1951. 424.8 B476
- 68765 WAUGH, R. Swarm control. *Brit. Bee J.* 79:131-132. Feb. 17, 1951. 424.8 B77
- 68766 WEAVER, N. Toxicity of organic insecticides to honey bees: contact spray and field tests. *J. Econ. Ent.* 44:393-397. Ref. June 1951. 421 J822
- 68767 WEBB, E. R. Queen excluders. *Mod. Beekeeping* 35:87-88, 97. Mar. 15, 1951. 424.8 B397
- 68768 WEDMORE, E. B. Research on methods of management of bees. *Brit. Bee J.* 79:264-265. Apr. 7, 1951. 424.8 B77
- 68769 WIESMANN, R. Über einen biologischen nachweis von bienenvergiftungen mit den neuen synthetischen kontaktinsektiziden. *Biol. Zent. f. Land- u. Forst-wirt. Mitt.* 70:107-108. Feb. 1951. 410.9 G31M
- 68770 WILDER, W. M. E. Do bees carry eggs? *Brit. Bee J.* 79:25. Jan. 13, 1951. 424.8 B77
- 68771 WILTSHIRE BEEKEEPERS' GAZETTE. Year book for 1950-1951, authorized by the Wiltshire Beekeepers' Association, v. 24. Trowbridge, 1951. 48 p. 424.9 W71
- 68772 WOODS, E. F. Sounds in beekeeping. 6-8; appendix 1. *Brit. Bee J.* 79:49-50, 86-87, 205-208, 232-234, 247-248. Jan. 20, Feb. 3, Mar. 17-31, 1951. 424.8 B77
- 68773 WORTH, A. Danger to bees when using sprays and dusts in pest control. *Brit. Bee J.* 79:187. Mar. 10, 1951. 424.8 B77
- 68774 WORTH, A. Pollination of fruit and seed crops. *Brit. Bee J.* 79:124. Feb. 17, 1951. 424.8 B77
- 68775 WORTH, A. Precautions to take in the use of sprays and dusts. *Brit. Bee J.* 79:284. Apr. 14, 1951. 424.8 B77
- 68776 WYKES, G. R. The preferences shown by honey-bees for certain nectars. *Ann. Appl. Biol.* 38:546. June 1951. 442.8 An72
- 68777 ZIEGLER, R. J. A beginner's dilemma. *Mod. Beekeeping* 35:78-79. Mar. 15, 1951. 424.8 B397

ARACHNIDA, MYRIAPODA, ETC.

- 68778 ANTHON, E. W. Mites and aphids of stone fruits. *Wash. State Hort. Assoc. Proc.* 46:46-48. 1950. 81 W273
- 68779 ARCHER, A. F. Studies in the orbweaving spiders (Argiopidae). 1-2. *Amer. Mus. Nat. Hist. Amer. Mus. Novitates* 1487, 52 p., 1502, 34 p. Mar. 1, Apr. 5, 1951. 500 N483N
Part 1, New species in *Leucauge*, *Micrathena*, *Mangora*, *Wixia*, *Amamrotypus* n.g., *Zygiella*, *Eustala*, *Neoscona*, *Aranea*, *Neosconella*, *Epeira*, and *Singa*; also *Euranea*, new subgenus in *Aranea*; and new genera *Anopas*, *Opadometa*, *Pickardinella*, *Lariniacantha*, *Eriovixia*, and *Afranea*. Part 2. New species in *Conaranea* n.g. and *Conepeira* n.g.; also *Mimaranea*, new subgenus in *Conaranea*; and new genera *Cambridgepeira*, *Gibbaranea*, and *Simonarachne*.
- 68780 BEIER, M. On some Pseudoscorpionidea from Kilimanjaro. *Ann. & Mag. Nat. Hist. (ser. 12)* 4:606-609. June 1951. 410 An77
Includes new species in *Synatemnus* and *Nudochernes*.
- 68781 BIENENFEIND Nr. 1: die milbe *Acarapis woodi*. *Du* 11(4):34-35. Apr. 1951. 426 D85
Mikrophoto, ca. 1200 fach, von Hans Traber.
- 68782 BOLLAERTS, D., and BRENY, R. Les acarions nuisibles aux matières entreposées. *Rev. de l'Agr.* 4:738-764. Ref. June 1951. 13 R322
English summary.
- 68783 BURGDORFER, W. *Ornithodoros moubata* als testobjekt bei Q-fieberfällen in der Schweiz. *Acta Trop.* 8:44-51. Ref. 1951. 475 Ac8
- 68784 CAMARGO, H. F. DE A. Contribution to the study of Brazilian spiders (Arachnida - Araneae). Three new species and one little known one. (In Portuguese.) *São Paulo Dept. de Zool. Papéis Avulsos* 9:223-248. Ref. 1950. 410.9 Sa63
English summary.
New species in *Parawixia*, *Wixia*, and *Tetragnatha*; *Micrathena bergi*.
- 68785 CARNEIRO, L. S. Human parasitosis caused by *Apollonia tegiploensis* Törres and Braga 1938 (Thrombididae) (preliminary note). (In Portuguese.) *Pernambuco. Sec. de Agr., Indus. e Com. B.* 16:111-116. Ref. July/Dec. 1949, pub. 1950. 9.2 P423
- 68786 CLOUDSLEY-THOMPSON, J. L. Studies in diurnal rhythms. I. Rhythmic behaviour in millipedes. *J. Expt. Biol.* 28:165-172. Ref. June 1951. 442.8 B77
Observations on *Paradesmus gracilis*, *Blaniulus guttulatus*, *Ophistreptus* sp., and *Oxydesmus platycercus*.
- 68787 CUTRIGHT, C. R. EPN controls European red mite [*Paratetranychus pilosus*]. *Ohio Farm & Home Res. [Ohio Sta.]* 36:23-24. Mar./Apr. 1951. 100 Oh3S
- 68788 CUTRIGHT, C. R. Late season control of European red mite [*Paratetranychus pilosus*]. *J. Econ. Ent.* 44:363-367. June 1951. 421 J822
- 68789 DEAN, F. P., and NEWCOMER, E. J. Results with acaricides in 1950. *Wash. State Hort. Assoc. Proc.* 46:103-104. 1950. 81 W273
- 68790 DELONG, D. M., and SMITH, J. F. The chigger [*Eutrombicula alfreddugesi*] problem in city lawns with suggestions for their control. *Ohio J. Sci.* 51:203-204. July 1951. 410 Oh3
- 68791 DESMARTEAU, R. Results of acaricide and fungicide experiments against the European red mite [*Paratetranychus pilosus*] and apple scab [*Venturia inaequalis*]. *Quebec. Pomol. & Fruit Growing Soc. Annu. Rpt.* 56:55-63, 65. 1949. 82 Q3
- 68792 DIAS, J. A. T. S. Two more ixodids of the genus *Rhipicephalus* (s. str.) Koch, 1844, for the fauna of Mozambique; *R. tricuspidatus* Dönitz, 1906 and *R. lunulatus* Neumann, 1907. (In Portuguese.) *Inst. de Med. Trop. An.* 7:199-216. July 1950. 448.9 L68
English summary.
- 68793 DIAS, J. A. T. S. With regard to some lots of ticks coming from the colony of Angola. (In Portuguese.) *Inst. de Med. Trop. An.* 7:155-197. Ref. July 1950. 448.9 L68
English summary.
- 68794 DRESCO, E. Araignées capturées à Saint-Florentin (Yonne). *Entomologiste* 6:162-164. Nov./Dec. 1950. 421 En814

- 68795 EVANS, G. O. The distribution of *Ixodes ricinus* (L.) on the body of cattle and sheep. B. Ent. Res. 41:709-723. Apr. 1951. 421 B87
- 68796 GOODNIGHT, C. J., and GOODNIGHT, M. L. The genus *Stygnomma* (Phalangida). Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1491, 20 p. Ref. Mar. 2, 1951. 500 N483N
- 68797 HOFFMAN, R. L. Subspecies of the milliped *Apheloria trimaculata* (Wood) (Polydesmida: Xystodesmidae). Nat.-Hist. Misc. 81, 6 p. Apr. 13, 1951. 500 C43Na
- 68798 HUECK, H. J. Influence of light upon the hatching of winter-eggs of the fruit tree red spider [*Paratetranychus pilosus*]. Nature [London] 167:993-994. June 16, 1951. 472 N21
- 68799 JEPSON, L. R. Bis-(p-chlorophenoxy)-methane in relation to the control of citrus red mite [*Paratetranychus citri*] and other mites [*Tetranychus sexmaculatus*, *T. lewisi*, *Aceria sheldoni*, *Phyllocoptura oleivora*] injurious to citrus in California. J. Econ. Ent. 44:328-337. Ref. June 1951. 421 J822
- 68800 KALRA, S. L., JACOB, V. P., and RAO, K. N. A. Effect of DDT and BHC on *Ornithodoros [crossi]* ticks. I. Indian J. Med. Res. 38:457-466. Oct. 1950. 448.8 In22
- 68801 KNOWLTON, G. F., and BINNS, W. Spinose ear tick [*Otobius megnini*] control. Utah. State Agr. Col. Ext. B. 240, 2 p. May 1951. 275.29 U11
- 68802 KOEGEL, A. Körperungeziefer bei haustieren mit ausnahme der Diptera oder zweiflügler (fliegen, mücken). Landwirt. Jahrb. f. Bayern 28:89-98. Jan./Feb. 1951. 18 L24
- Includes ticks, mites, lice and other insect parasites.
- 68803 LACKMAN, D. B., PARKER, R. R., and PICKENS, E. G. The isolation and characterization of Rocky Mountain spotted fever Rickettsiae from the rabbit tick *Haemaphysalis leporis-palustris*. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:91. 1950. 448.39 S012A
- 68804 LEVI, H. W. New and rare spiders from Wisconsin and adjacent states. Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1501, 41 p. Ref. Apr. 5, 1951. 500 N483N
- Includes new species in *Theridion*, *Euryopsis*, *Pachygnatha*, *Tetragnatha*, *Cicurina*, *Nodocion*, *Scotinella*, *Philodromus*, and *Icius*.
- 68805 LIENK, S. E., and CHAPMAN, P. J. Orchard mite studies in 1950. J. Econ. Ent. 44:301-306. June 1951. 421 J822
- Tetranychus bimaculatus*, *Paratetranychus pilosus*, *Septanychus canadensis*, and *Bryobia praetiosa* in New York State.
- 68806 LOMBARDINI, G. Canestriniidae from South America (Acarina). (In Italian.) Arthropoda 1:279-290. Ref. Oct. 16, 1950. 421 Ar7
- New species in *Coleoglyphus* and *Grandiella*.
- 68807 MADSEN, H. A. How to identify mites. West. Fruit Grower 5(4):35-36. Apr. 1951. 95.8 G762
- 68808 MILLIDGE, A. F. Key to the British genera of subfamily Erigoninae (family Linyphiidae: Araneae): including the description of a new genus (*Jacksonella*). Ann. & Mag. Nat. Hist. (ser. 12) 4:545-562. Ref. June 1951. 410 An77
- 68809 MORGAN, C. V. G., and DOWNING, R. S. Identification and control of some orchard mites. Country Life [Vernon] 35(5):30. May 1951. 7 C832
- 68810 NEWELL, I. M. *Copidognathus curtus* Hall, 1912, and other species of *Copidognathus* from western North America (Acari, Halacaridae). Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1499, 27 p. Ref. Apr. 3, 1951. 500 N483N
- 68811 NEWELL, I. M. Métodos de recolección de Halacaridae (Acari). Arthropoda 1:375-376. Oct. 16, 1950. 421 Ar7
- 68812 NEWELL, I. M. New species of *Agave* and *Thalassarachna* from the Aleutians (Acari, Halacaridae). Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1489, 19 p. Mar. 1, 1951. 500 N483N
- 68813 NOLTE, H. W. Tausendfüßlerfrass an bohnenkeimlingen. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:14-15. Jan. 1951. 464.9 N11
- Blaniulus guttulatus*.
- 68814 OGANDZHANIAN, A. M. Some problems of the biology of *Hyalomma aegyptium* L. (In Russian.) Akad. Nauk Armfanskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3: 821-827. Ref. 1950. 20 Er4
- 68815 OLDHAM, H., and THORNE, F. Six-spotted mite [*Tetranychus sexmaculatus*] attacks avocados. Calif. Citrog. 36:384. July 1951. 80 C125
- 68816 O'NEIL, W. J., and WEEKS, G. W. Observations on the distribution and behavior of the Willamette mite [*Tetranychus willamettei*] in north central Washington. Wash. State Hort. Assoc. Proc. 46:101-102. 1950. 81 W273
- 68817 PABRAI, P. R., and others. On the efficacy of tobacco leaf in the treatment of sarcoptic mange. (Abs.) Indian Sci. Cong. Proc. 36(3):188. 1949. 513 In22
- P. S. Kupuswamy, K. Venkatachalam, and K. N. Ojha, joint authors.
- Notodres cuniculi* on rabbits.
- 68818 PETERS, H. M. Untersuchungen über die proportionierung im spinnen-netz. Z. f. Natforsch. 6b:90-107. Feb./Mar. 1951. 474 Z3
- 68819 REMY, P. Trois nouveaux Pauropodes Sud-Américains. Arthropoda 1:175-179. Oct. 16, 1950. 421 Ar7
- New species in *Allopaupopus* and *Hemipauropus*.
- 68820 ROSAS COSTA, J. A. Sinopsis de los generos de Sironidae, con la descripción de dos generos y una especie nuevos. (Opiliones, Cyphophthalmi). Arthropoda 1:127-151. Ref. Oct. 16, 1950. 421 Ar7
- English summary.
- New genera *Metagovea* and *Parapurcellia*.
- 68821 SCHUBART, O. Cryptodesmidae from Itatiaia, Serra dos Orgãos, and the Federal District, Brazil. (Proterospemphora, Diplopoda). (In Portuguese.) Acad. Bras. de Cien. An. 22:385-407. Dec. 31, 1950. 516 R473A
- German summary.
- New species in *Peridontodesmoides*, *Hymenodesmus* n.g., *Apomus*, *Cryptodesmus*, and *Carlicodesmus* n.g.
- 68822 SCHUBART, O. New diplopods from Brazil. (In Portuguese.) São Paulo Dept. de Zool. Papéis Avulsos 9:145-157. 1950. 410.9 Sa63
- English summary.
- New species in *Habrodesmus*, *Camptomorpha*, *Platyrhacus*, *Pentaporella*, *Vassununga*, and *Calcarostreptus* n.g.
- 68823 SCHUBART, O. On some Diplopoda from high altitudes of the Morro Assú in the Serra dos Orgãos (Therezopolis, State of Rio de Janeiro). (In Portuguese.) Arthropoda 1:357-373. Oct. 16, 1950. 421 Ar7
- English summary.
- Includes new species in *Heptaporodesmus* n.g., *Camptomorpha*, *Leptodesmus*, *Megagymnostreptus* n.g., and *Tubostreptus* n.g.
- 68824 SCHUBART, O. Ueber einige Diplopoden von Bergmassiv Afr in der Süd Sahara, gesammelt von L. Chopard und A. Villiers im 1947. Inst. Franç. d'Afrique Noire. B. 13:116-125. Jan. 1951. 515 D14
- Includes new form in *Graphidostreptus*.
- 68825 SIMON, M. Mas carne para millones; un nuevo insecticida para el ganado de las Américas. Hereford 18: 259-260. June 1951. 43.8 H42
- Toxaphene for control of *Boophilus annulatus* and *Hypoderma*.
- 68826 SOARES, B. A. M., and SOARES, H. E. M. Some Opiliones from the south of Brazil. (Opiliones - Gonyleptidae, Phalangodidae, Cosmetidae). (In Portuguese.) São Paulo Dept. de Zool. Papéis Avulsos 9:47-59. 1950. 410.9 Sa63
- English summary.
- New species in *Metagonyleptes*, *Acanthopachyloptis* n.g., *Lycomedicus*, *Piresa*, *Paramitraceras*, and *Metalibitia*.
- 68827 STARNES, O. The black widow spider [*Latrodectus mactans*]. N. J. Agr. Col. Ext. L. 53, 4 p. May 1951. 275.29 N46L
- 68828 SVENONIUS, B. Einige schwedische Poro-halacaridenfunde. Ent. Tidskr. 72:25-28. 1951. 421 En891
- 68829 TENDEIRO, J. Ixodidae from Portuguese Guinea; *Aponomma halli* n. sp., parasite of the Varanidae. (In Portuguese.) Inst. de Med. Trop. An. 7:135-154. Ref. July 1950. 448.9 L68
- English summary.
- 68830 THOMPSON, W. L. Important mites attacking citrus and their control. Citrus Mag. 13(11):20-22. July 1951. 80 C498
- 68831 TRÄGÅRDH, I. *Brachycelaenopsis*, a new genus of *Celaenopsidae* (Acarina) from Tasmania. Ent. Tidskr. 72:60-64. 1951. 421 En891
- Also new species in *Celaenopsis*.
- 68832 TURK, F. A. On the swarming of pseudo-scorpions and their association with ants. Ent. Mon. Mag. 87:169. June 1951. 421 En86
- 68833 VACHON, M. Études sur les scorpions. V. (cont.) Détermination des scorpions du nord-ouest de l'Afrique. Inst. Pasteur d'Algérie. Arch. 29:46-104. Ref. Mar. 1951. 448.3 In7A

- 68834 VACHON, M. Les scorpions: leur morphologie, leur histoire et leurs légendes. *Terre et la Vie* 98: 1-20. Ref. Jan./Mar.1951. 410.9 P21
- 68835 WAHLGREN, E. Cecidological notes. VI. (In Swedish.) *Ent. Tidskr.* 72:84-98. 1951. 421 En891 Eriophyidae.

COLEOPTERA

- 68836 ALLEN, A. A. 'Clicking' in Tlxagidae [i.e. Throscidae] and Eucnemidae [i.e. Melasidae] (Col.): a response to Mr. Crowson's appeal. *Ent. Mon. Mag.* 87: 175. June 1951. 421 En86
- 68837 ANTOINE, M. A propos de Paussus favieri Fairm. *Entomologiste* 6:170-171. Nov./Dec.1950. 421 En814
- 68838 ANTOINE, M. Sur le démembrement du genre Cicindela. *Rev. Franç. d'Ent.* 19:88-91. 1951. 421 R323
- 68839 ARMAND, J. E. Asparagus beetles [Crioceris asparagi, C. duodecimpunctata]. *Canada. Sci. Serv. Div. Ent. Processed P.* 103,4 p. May 1951. 423.92 C16P
- 68840 ARNOUX, J. L'évaluation du nombre de doryphores [Leptinotarsa decemlineata] en plein champ. *Pomme de Terre Franç.* 14(138):11-14. Mar.1951. 75.8 P77
- 68841 BASILEWSKY, P. Descriptions of some new Callistinae (Coleoptera, Carabidae) from East Africa. *Psyche* 58:42-46. Mar.1951. 421 P95
- New species and forms in Pachydinodes, Epomis, and Chlaenius.
- 68842 BECHYNÉ, J. Contribution à la connaissance du genre Chrysolina Motsch. (Col. Phytophaga Chrysomelidae). *Mus. G. Frey. Ent. Arb.* 1:47-185. 1950. 420 M923
- Includes the new subgenera Allochrysolina, Allohypericia, Caudatochrysa, Chrysocrosita, Chrysolinopsis, Erythrochrysa, Euchrysolina, Ghesquiterita, Maenadochrysa, Melasomoptera, Menthastrilla, Parkaniola, Pierryvetia, Taeniochrysea, Timarcholina, and Timarchomima.
- 68843 BECHYNÉ, J. Eumolpides américains nouveaux ou peu connus. *Mus. G. Frey. Ent. Arb.* 1:205-236. 1950. 420 M923
- Includes new species in Chrysodina, Antitypona, Lamprosphaerus, Agrianes, Hylax, Maecolaspis, Rhabdopteris, Chalcophana, and Colaspoides; also new genera Oyarzuna and Susteraia.
- 68844 BECHYNÉ, J. Notes sur les Chrysomeloidea de l'Amérique du Sud et du Centre. (Col. Phytoph.). *Mus. G. Frey. Ent. Arb.* 1:237-269. 1950. 420 M923
- Includes new species and forms in Aulacoscelis, Ischryolampra, Spintherophyta, Lamprosphaerius, Iphimeis, Colaspis, Diacolaspis, Podoxenus, Alcolaspis, Prionodera, Maecolaspis, Cephaloteles n.g., Rhabdopteris, Phanaeta, Calligrapha, and Ophraea; also Freudeita n.g. (Eumolpidae).
- 68845 BERTRAND, H. Captures et élevages de larves de Coleoptères aquatiques. 12. *Soc. Ent. de France. B.* 56:25-29. Ref. Feb.1951. 420 F84B
- Includes descriptions of larvae of Deronectes hispanicus and Stictotarsus procerus.
- 68846 BESSON, J., and others. Essais insecticides contre les téléphores de Vic-Bigorre (Cantharis obscura L.). *Acad. d'Agr. de France. Compt. Rend.* 37:84-88. Jan.24/31,1951. 14 P215Bc
- G. Moutous, Mme. R. Röhrich, and R. Röhrich, joint authors.
- 68847 BIANCHI, A. Resistance of Solanum chacoense Bitt. to Leptinotarsa decemlineata Say. and its significance in potato growing. (In Italian.) *Genet. Agr.* 2:309-312. Dec.10,1951. 450 G28
- 68848 THE BLACK turpentine beetles [Dendroctonus terebrans] can kill [pine] trees. *AT-FA Journal* 13(9):7, 14. June 1951. 309.8 Am3
- 68849 BORUSIEWICZ, A., and KAPUSCINSKI, S. Materiały do znajomości rozszedlenia w lasach polskich rodzaju biegacz—Carabus Lin. (Carabidae, Coleoptera). Materials to the knowledge about the dissemination of the genus Carabus Lin. (Carabidae, Coleoptera) in the Polish forests. *Akad. Umiej. Prace Roln.-Leśne* 54,33 p. Ref. 1950. 20.5 K85
- English summary.
- 68850 BOSQ, J. M. Notas sobre un longicornio chileno-argentino (Col. Cerambycidae). *Arthropoda* 1: 377-378. Oct.16,1950. 421 Ar7
- Necydalopsis femoralis.
- 68851 BRAKMAN, P. J. Three rare carabids from Walcheren. (In Dutch.) *Ent. Ber.* 13:250-251. Apr.1, 1951. 420 N38B
- Anisodactylus poeciloides, Bradycellus distinctus, and Licinus depressus.

- 68852 BREakey, E. P., and BRANNON, D. Control of strawberry root weevils [Brachyrhinus ovatus]. *Wash. State Col. Ext. C.* 169,4 p. Mar.1951. 275.29 W27C
- 68853 BREUNING, S. Einige neue arten und rassen der gattungen Carabus und Cychrus aus Ostasien. *Mus. G. Frey. Ent. Arb.* 1:198-204. 1950. 420 M923
- 68854 BROOKS, M. English sparrows eating locust leaf-miners [Chalepus dorsalis]. *Wilson B.* 63:116. June 1951. 413.8 W692
- 68855 CAMERON, M. Three new Staphylinidae from West Africa. *Inst. Franç. d'Afrique Noire. B.* 13:126-128. Jan.1951. 515 D14
- New species in: Stillicus, Leptacinus, and Belonuchus.
- 68856 CAMPREDON, J. Précautions à prendre pour empêcher l'attaque des charpentiers par le "capricorne" des maisons [Hylotrupes bajulus]. *Bois* 68(4):1,3. Feb.25/28,1951. 99.82 B632
- 68857 CANNON, F. M. The Colorado potato beetle [Leptinotarsa decemlineata]. *Canada. Sci. Serv. Div. Ent. Processed P.* 92,4 p. Jan.1951. 423.92 C16P
- 68858 CARNE, P. B. The morphology of the immature stages of Aphodius howitti Hope (Coleoptera, Scarabaeidae, Aphodiinae). *Linn. Soc. N. S. Wales. Proc.* 75: 158-166. 1950. 514 Sy2
- 68859 CARTWRIGHT, O. L. New synonymy in the Aphodini of the United States. *Coleopterists' B.* 5:29-30. Apr.1951. 421 C674
- 68860 COHIC, F. La larve de Ptinus bidens et sa biologie. *Entomologiste* 6:150-155. Nov./Dec.1950. 421 En814
- 68861 COIFFAIT, H. Notes sur les Staphylinides. I. Les Gabrius Steph. de la faune de France. *Rev. Franç. d'Ent.* 18:104-115. Ref. 1951. 421 R323
- 68862 COLAS, G. Note sur deux carabiques (Col.) nouveaux de la faune française. *Soc. Ent. de France. B.* 55:145-146. Dec.1950. 420 F84B
- New species in Amara and new subspecies in Haptomerus
- 68863 COON, B. F. Well-timed dusting with DDT destroys Jap beetles [Popillia japonica] on corn silks. *Sci. Farmer [Pa. Sta.]* 1951:3,9. Mar.1951. 100 P381
- 68864 DEWAILLY, M. Note sur un Peryphus nouveau de France (Coleoptera Bembiididae). *Rev. Franç. d'Ent.* 18:91-93. 1951. 421 R323
- 68865 DITMAN, L. P., and BICKLEY, W. E. On control of the Mexican bean beetle [Epilachna varivestis]. *J. Econ. Ent.* 44:325-328. June 1951. 421 J822
- 68866 DUFAY, C. Captures de Coléoptères dans les Basses Alpes. *Entomologiste* 6:174-175. Nov./Dec. 1950. 421 En814
- 68867 DUNN, E. Wing coloration as a means of determining the age of the Colorado beetle (Leptinotarsa decemlineata Say). *Ann. Appl. Biol.* 38:433-434. June 1951. 442.8 An72
- 68868 DUTKY, S. R., and GOODEN, E. L. Blue disease of Japanese beetle [Popillia japonica] larvae. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:22-23. 1950. 448.39 So12A
- 68869 EARLEY, D. The boll weevil [Anthonomus grandis] has been away, but may yet be up and coming. *Tex. Farming & Citricult.* 27(12):12. June 1951. 80 T31
- 68870 EICHLER, W. Der esparsettenrüssler (Tany-mecus palliatus) als rübensschädling. *Nachrbl. f. den. Deut. Pflanzenschutzdienst (n.s.)* 5:12-14. Ref. Jan.1951. 464.9 N11
- 68871 EICHLER, W. Fragen der derbrüsslerbekämpfung. *Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)* 5: 35-37. Feb.1951. 464.9 N11
- Bothynoderes punctiventris.
- 68872 EICHLER, W. Rüsselkäfer als rübensschädlinge. *Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)* 5: 48-52. Ref. Mar.1951. 464.9 N11
- 68873 FABER, W. Genügt der vogelschutz zur bekämpfung des kartoffelkäfers [Leptinotarsa decemlineata]? *Landwirtschaft* 1951:195-196. June/July 1951. 19 L235
- 68874 FENDER, K. M. The Usechini of Oregon (Tenebrionidae). *Coleopterists' B.* 5:19-20. Apr.1951. 421 C674
- 68875 FILIPPONI, A. On a gregarine (Gregarina larvarum n. sp.) found in larvae of Blaps gibba obtained by breeding. (In Italian.) *Riv. di Parassitol.* 12:85-111. Ref. Apr.1951. 436.8 R52
- English summary.
- 68876 FRICKHINGER, H. W. "Nebelblaser" gegen maikäfer [Melolontha melolontha]. *Tech. f. Bauern u. Gärt. Ausg. A* 3:155-156. Mar.10,1951. 58.8 T223

- 68877 GAIRAUD, R., and BESSON, J. Contribution à l'étude de la biologie du bupreste du pêcheur (*Capnodis tenebrionis* L.) dans la Mitidja (Algérie). *Rev. de Path. Vég. et d'Ent. Agr. de France* 29:119-136. Ref. Oct. 1950. 464.9 Sol
- 68878 GAUNITZ, S. Coprophiles from Ätvidaberg. (In Swedish.) *Ent. Tidskr.* 72:76. 1951. 421 En891
Coleoptera and Diptera.
- 68879 GERBERG, E. J. An unusual food habit of *Monochamus titillator* Fah. *J. Econ. Ent.* 44:317. June 1951. 421 J822
Feeding on rayon dresses in store window.
- 68880 GIVEN, B. B. Notes on the Aphodiinae of Australia (Coleoptera, Scarabaeidae). The Aphodius tasmaniae, howitti, yorkensis, andersoni complex. *Linn. Soc. N. S. Wales. Proc.* 75:153-157. 1950. 514 Sy2
- 68881 GLENDENNING, R., and NEILSON, C. L. The tuber flea beetle [*Epitrix tuberis*]. *Canada. Sci. Serv. Div. Ent. Processed P.* 96,5 p. Jan. 1951. 423.92 C16P
- 68882 GODAN, D. Über nahrungs- und brutpflanzen des rapserdflohs (*Psylliodes chrysocephala* L.). *Anz. f. Schädlingssk.* 24:81-84. Ref. June 1951. 421 An9
- 68883 GODAN, D. Wann ist der rapserdflohlarvenbefall für den rapssacker gefährlicher, im herbst oder im frühjahr? *Nachrbl. des Deut. Pflanzenschutzdienstes* 2: 149-153. Oct. 1950. 442.9 B832
Psylliodes chrysocephala.
- 68884 GOUGUENHEIM, M. R., PERRIER, D., and RUNGS, C. Remarques sur les larves de deux Buprestides du système radicaire des Rosacées fruitières (*Capnodis tenebrionis* L. et *Aurigena unicolor* Ol.). *Rev. de Path. Vég. et d'Ent. Agr. de France* 29:152-157. Ref. Oct. 1950. 464.9 Sol
- 68885 GREEN, J. The cryptozoic Coleoptera of North Haven, Skokholm Island. *Ent. Mon. Mag.* 87:162-163. June 1951. 421 En86
- 68886 GREEN, J., and KINGSBURY, M. A protozoan new to Britain parasitic in *Notiophilus* spp. (Col., Carabidae). *Ent. Mon. Mag.* 87:163. June 1951. 421 En86
- 68887 GUENNELON-AUBANEL, G. Action de l'hexachlorocyclohexane (H. C. H.) sur le rhynchite coupe-bourgeon (*Rhynchites cœruleus* De Geer). *Acad. d'Agr. de France. Compt. Rend.* 37:314-316. May 9/16, 1951. 14 P215Bc
- 68888 GUESSOUS, A. Recherches sur la ponte du capnode noir des arbres fruitiers [*Capnodis tenebrionis*]. *Rev. de Path. Vég. et d'Ent. Agr. de France* 29:137-151. Oct. 1950. 464.9 Sol
- 68889 GUIGNOT, F. Trente-quatrième note sur les Hydrocanthares. *Mus. G. Frey. Ent. Arb.* 1:270-272. 1950. 420 M923
Dytiscidae from Transvaal and the eastern Himalayas. New species in *Laccophilus*.
- 68890 GUIGNOT, F. Trente-septième note sur les Hydrocanthares (Col.). *Soc. Ent. de France. B.* 56:21-25. Feb. 1951. 420 F84B
Herophydrus; new species in *Canthyporus* and *Canthyporus*.
- 68891 GUNTART, E. Erfahrungen über die chemische malkäfer- bzw. engerlingsbekämpfung. *Biol. Zentanst. f. Land- u. Forstwirt. Mitt.* 70:84-87. Feb. 1951. 410.9 G31M
Melolontha melolontha.
Includes discussion
- 68892 GUNTART, E., MUHLETHALER, P., and ORNIG, H. Hexahaltige saatschutzmittel zur verhütung von drahtwurmschäden und zur drahtwurmbekämpfung. *Biol. Zentanst. f. Land- u. Forstwirt. Mitt.* 70:113-116. Ref. Feb. 1951. 410.9 G31M
- 68893 GUPPY, R. Habitat of *Phellopsis porcata* Lec. *Coleopterists' B.* 5:28. Apr. 1951. 421 C674
- 68894 GUTIÉRREZ ALONSO, R. Notas sobre Scarabaeidae chilenos (Coleoptera Lamellicornia). *Arthropoda* 1:267-278. Oct. 16, 1950. 421 Ar7
Includes new species in *Athlia*, and the new genus *Pseudodicrania*.
- 68895 HAMBLETON, E. J., and MCCLURE, F. A. Rhinoceros beetle, *Podischnus agenor* (Ol.) damages bamboo shoots. *Turrialba* 1:199-201. Apr. 1951. 8 T86
- 68896 HEIDENREICH, E. Biologische untersuchungen zur wirkungsweise von hexachlorocyclohexan. *Biol. Zentanst. f. Land- u. Forstwirt. Mitt.* 70:87-89. Feb. 1951. 410.9 G31M
Tests with *Sitophilus granarius*.
- 68897 HEQVIST, K. J. Two *Dinoderus* species imported into Sweden with bamboo. (*Bostrychidae*, Col.). (In Swedish.) *Ent. Tidskr.* 72:70-73. 1951. 421 En891
English summary.
- 68898 HINCKES, W. D. The occurrence of *Lasiorhynchites olivaceus* (Gyllenhal) (Col., Curculionidae) in Britain. *Ent. Mon. Mag.* 87:170-171. June 1951. 421 En86
- 68899 HOLMES, G. June work among the poultry feed crops; keep a watch out for flea beetle. *Mod. Poultry Keeping* 64:623. June 6, 1951. 47.8 Eg3
- 68900 HOWDEN, H. F., HOWDEN, A. T., and RITCHER, P. O. Insects feeding on poison oak [*Toxicodendron quercifolium*]. *Coleopterists' B.* 5:17-19. Apr. 1951. 421 C674
Phyllophaga ulkei, *Serica verpertina*, *Diploptaxis bidentata*.
- 68901 HOWE, R. W. A note on grain pests of the genus *Laemophloeus* (Col., Cucujidae). *Ent. Mon. Mag.* 87:161. June 1951. 421 En86
- 68902 HUFNAGL, H. Die vorbeugende sicherung von waldbeständen gegen den fichtenborkenkäfer [*Ips typographus*]. *Allg. Forstztg.* 62:95-96. June 1951. 99.8 AL53
- 68903 JEANNEL, R. Evolution de l'organe copulateur mâle des *Arthromelus* Jeannel, (Coleoptera Pselaphidae). *Rev. Franç. d'Ent.* 18:49-55. 1951. 421 R323
Includes new subgenus *Scaiomelus*.
- 68904 JOURDHEUIL, P. Développement sur le colza de maladies bactériennes et cryptogamiques à la suite d'attaques larvaires de l'altise *Psylliodes chrysocephala* L. *Acad. des Sci. Compt. Rend.* 232:1963-1964. May 21, 1951. 505 P21
- 68905 KAMP, H. J. Beobachtungen über die biologie des eichensplintkäfers, *Scolytus intricatus* Rtz. *Anz. f. Schädlingssk.* 24:85. June 1951. 421 An9
- 68906 KELSEY, J. M. Control of grass grub [*Odontria zealandica*] and subterranean caterpillar [*Oxyacan cervinata*]. *Massey Agr. Col. Sheepfarming Annu.* 3:110-118. Nov. 1950. 45.9 M38S
Includes discussion.
- 68907 KING, J. L., PARKER, L. B., and WILLARD, H. J. Status of imported parasites of the Japanese beetle [*Popillia japonica*] in 1950. U. S. Bur. Ent. & Plant Quar. *Insect Pest Survey. Spec. Sup.* 1951(5), 18 p. June 5, 1951. 1.9 En831B
- 68908 KLEIN-KRAUTHEIM, F. Über die überwinterrung des kartoffelkäfers (*Leptinotarsa decemlineata* Say) und sein erscheinen im frühjahr in seinen beziehungen zu meteorologischen faktoren. *Nachrbl. des Deut. Pflanzenschutzdienstes* 2:161-165. Ref. Nov. 1950. 442.9 B832
- 68909 KOCH, C. Die Tenebrioniden des südlichen Afrikas. IV. Über vier neue afrikanische Himatismusarten. *Mus. G. Frey. Ent. Arb.* 1:186-197. 1950. 420 M923
- 68910 KULT, K. New neotropical species of the group *Ardistominina* (Carabidae, Col.). *Arthropoda* 1:299-325. Oct. 16, 1950. 421 Ar7
English summary.
New species in *Ardistomis*, *Aspidoglossa*, and *Neoreicheia* n.g.
- 68911 KULZER, H. 3. beitrage zur kenntnis der Tenebrioniden. *Mus. G. Frey. Ent. Arb.* 1:9-46. 1950. 420 M923
New species in *Hyboproctus*, *Cyrtotyche*, *Mechanetes*, *Cophodema*, *Myrmecodema*, *Achanius*, *Toxicum*, *Cryphaeus*, and *Pentaphyllus*.
- 68912 LANE, F. On the types and synonymy of some Canthonini (Col. Scarabaeidae). III. Note on the proper date of *Canthon laevis* Drury. (In Portuguese.) São Paulo Dept. de Zool. *Papéis Avulsos* 9:79-81. 1950. 410.9 Sa63
English summary.
- 68913 LECOMTE, C. *L'Hylesinus crenatus* F. en Auxois (Coleoptera Scolytidae). *Rev. Franç. d'Ent.* 18: 116-119. 1951. 421 R323
- 68914 LEILER, T. E. An unusual location for *Hylotrupes bajulus* L. (Col.). (In Swedish.) *Ent. Tidskr.* 72: 80-81. 1951. 421 En891
German summary.
In a dead pine.
- 68915 MCELROY, W. D., COULOMBRE, J., and HAYS, R. Properties of firefly [*Photinus pyralis*] pyrophosphatase. *Arch. Biochem. & Biophys.* 32:207-215. June 1951. 381 Ar2
- 68916 MCKEOWN, K. C. Australian insects, XLII. Coleoptera, 19.— The Staphylinidae and others. *Austral. Mus. Mag.* 10:165-168. Mar. 15, 1951. 475 Au7
- 68917 MADEL, W. Beobachtungen über das auftreten der mauszahnrüßler. *Baris coeruleus* Scop., *B. latcollis* Mrsh. und *B. cuprirostris* Fbr. *Biol. Zentanst. f. Land- u. Forstwirt. Mitt.* 70:128-131. Feb. 1951. 410.9 G31M

- 68918 MAGDORF, R. Starkes schadaufreten von graurüsslern an einjährigen kiefern-kulturen. Allg. Forstz. 6:269-271. June 27, 1951. 99.8 AL52
Strophosomus rufipes, Brachyderes incanus, and Cneorhinus plagiatus.
- 68919 MAKSYMOW, J. Untersuchungen über den krummzahnigen weisstannenborkenkäfer *Ips curvidens* Germ. während seiner massenvermehrung 1947-49 in der Schweiz. Schweiz. Anst. f. das Forstl. Versw. Mitt. 26: 499-581. Ref. 1950. 99.9 Sch92
- 68920 MALLO, R. G. Dos parásitos perjudiciales para la torta de algodón almacenada. Res 19:26017. June 5, 1951. 286.85 R31
Lasioderma serricorne and *Tribolium confusum*.
- 68921 MARTÍNEZ, A. *Lamellicornia neotropica*. II. Una nueva especie del género *Termitodius* Wasmann (Aphodiinae). Arthropoda 1:167-173. Oct. 16, 1950. 421 Ar7
English summary.
- 68922 MARZUSCH, K. Untersuchungen über die temperaturabhängigkeit von lebensprozessen bei schadinsekten unter besonderer berücksichtigung winterschlafender kartoffelkäfer (*Leptinotarsa decemlineata*). Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70:131-132. Feb. 1951. 410.9 G31M
- 68923 MASURKA, R. Wie bekämpft der bauer den kartoffelkäfer [*Leptinotarsa decemlineata*] ? Landwirtschaft 1951:162-163. May 1951. 19 L235
- 68924 MISRA, J. N. Assessment of effectiveness of jute sacking treated with insecticides against insects. J. Sci. & Indus. Res. 10B:67-72. Mar. 1951. 475 J82
Control of *Tribolium castaneum* and *Sitophilus oryza*.
- 68925 MUNRO, J. A. Wireworm control by seed treatment. N. Dak. Agr. Expt. Sta. Bimon. B. 13:178-179. Mar./Apr. 1951. 100 N813B
- 68926 PADWICK, G. W. Wireworm control in cereal crops in the Prairie Provinces of Canada. World Crops 3:263-266. July 1951. 281.8 W892
Chiefly *Ctenicera aeripennis* destructor and *Hypolithus nocturnus*.
- 68927 PALM, T. Coleoptera new to Sweden. XII. (In Swedish.) Ent. Tidskr. 72:54-59. 1951. 421 En891
- 68928 PALM, T. Notes on Swedish beetles. VI. (In Swedish.) Ent. Tidskr. 72:39-53. 1951. 421 En891
- 68929 PERUCCI, E. Observations on the Colorado potato beetle (*Leptinotarsa decemlineata*). (In Italian.) Tabacco 55:127-133. Apr. 1951. 69.8 T115
- 68930 PRADHAN, K. S. On the physiology of digestion of the larva of wooly bear, *Anthrenus fasciatus* Herbst (Coleoptera, Dermestidae). (Abs.) Indian Sci. Cong. Proc. 36(3):159. 1949. 513 In22
- 68931 PRADHAN, K. S. On the structure and post-embryonic development of the male genital organs of the wooly bear, *Anthrenus fasciatus* Herbst (Coleoptera, Dermestidae). (Abs.) Indian Sci. Cong. Proc. 36(3):158-159. 1949. 513 In22
- 68932 PUSSARD, R. Les buprestes du rosier de mai. Acad. d'Agr. de France. Compt. Rend. 37:265-266. Apr. 18/25, 1951. 14 P215Bc
Agilus spp. and *Coraeus rubi*.
- 68933 PUSSARD, R. Sensibilité du charançon *Rhytidoderes plicatus* Ol. à certains facteurs et produits insecticides. Acad. d'Agr. de France. Compt. Rend. 37: 160-161. Feb. 21/28, 1951. 14 P215Bc
- 68934 QUEZEL, P., and VERDIER, P. Coléoptères capturés dans les Alpes-Maritimes. Entomologiste 6: 165-167. Nov./Dec. 1950. 421 En814
- 68935 RAUSCH, R. H. Neue wege der rüsselkäferbekämpfung. Forst u. Holz 6:67-69. Mar. 1, 1951. 99.8 F7724
- 68936 RINGS, R. W. Controls for plum curculio [*Conotrachelus nenuphar*]. Ohio Farm & Home Res. [Ohio Sta.] 36:25-26. Mar./Apr. 1951. 100 Oh3S
- 68937 RINGS, R. W., and GOULD, W. A. Effectiveness of new organic insecticides in controlling plum curculio [*Conotrachelus nenuphar*] infesting plums. J. Econ. Ent. 44:354-359. June 1951. 421 J822
- 68938 RYLE, G. B. *Ips typographus* L., and *Ips sexdentatus* Boern. (Col., Scolytidae) with a note on *Gastropacha* [i.e. *Dendrolimus*] pini Ochsh. (Lep., Lasiocampidae). Ent. Mon. Mag. 87:179. June 1951. 421 En86
- 68939 SCHARMER, J. Erfahrungen zur maikäfer- und kartoffelkäferbekämpfung mit dem sprüngerät. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70:104-107. Feb. 1951. 410.9 G31M
Melolontha melolontha and *Leptinotarsa decemlineata*.
- 68940 SCHARMER, J. Versuche zur englerlingsbekämpfung auf dauerwiesen. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70:81-82. Feb. 1951. 410.9 G31M
Melolontha melolontha.
- 68941 SCHEIBE, K. Versuche zur herabsetzung der spritzbrühmengen bei der kartoffelkäferbekämpfung. Nachrbl. des Deut. Pflanzenschutzdienstes 2:117-119. Aug. 1950. 442.9 B832
Leptinotarsa decemlineata.
- 68942 SCHEIN, H. Neue Cetoniden (Col.). Mus. G. Frey. Ent. Arb. 1:273-276. 1950. 420 M923
New species in *Euphoria*.
- 68943 SCHÖBER, K. Neue wege in der maikäferbekämpfung. Landwirtschaft 1951:191-192. June/July 1951. 19 L235
Melolontha control in Austria.
- 68944 SCHULER, L. Trois carabiques des gravières. Entomologiste 6:167-168. Nov./Dec. 1950. 421 En814
Bradytus fulvus, *Notaphus prasinus*, *Thalassophilus longicornis*.
- 68945 SCHWERDTFEGGER, F. Praktische erfahrungen bei der rüsselkäferbekämpfung. Holz-Zentbl. 77:345-347. Mar. 8, 1951. 99.81 H742
Hylobius abietis.
- 68946 SCHWERDTFEGGER, F. Untersuchungen zur englerlingsbekämpfung mit hexamitteln auf der unbestockten kulturfläche. Allg. Forstz. 6:135-139. Mar. 28, 1951. 99.8 AL52
Melolontha melolontha.
- 68947 SCHWERDTFEGGER, F. Weitere untersuchungen zur englerlingsbekämpfung mit hexa-mitteln. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70:83-84. Feb. 1951. 410.9 G31M
Melolontha melolontha.
- 68948 SELLERS, W. F. The limitations of biological control of the sisal weevil [*Scyphophorus acupunctatus*]. East African Agr. J. 16:175-177. Apr. 1951. 24 Ea74
- 68949 SHENEFELT, R. D., and SIMKOVER, H. G. Insecticides for control of white grubs [*Phyllophaga*, etc.]. J. Econ. Ent. 44:359-362. June 1951. 421 J822
- 68950 SIEGFRIED, O. VON. Die kartoffelkäferbekämpfung 1951. Gesunde Pflanzen 3:74-75. Apr. 1951. 464.8 G33
Leptinotarsa decemlineata.
- 68951 SPEYER, R. Biologie und bekämpfung des pferdebohnenkäfers. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70:122-126. Feb. 1951. 410.9 G31M
Bruchus rufimanus
Includes discussion.
- 68952 SPITTLE, R. J. The coleopterous fauna of red squirrels' dreys. Ent. Mon. Mag. 87:184. June 1951. 421 En86
- 68953 STEEL, W. O. A new genus [*Pseudophloecharis*] and four new species of *Phloecharinae* (Coleoptera, Staphylinidae) from the Australian Region. Linn. Soc. N. S. Wales. Proc. 75:334-344. 1950. 514 Sv2
- 68954 STÖCKLEIN, F. Über einige seltene Gymnetron-arten (Col. Curculionidae). Mus. G. Frey. Ent. Arb. 1:277-282. 1950. 420 M923
Includes *Aprinodactylus*, n. sgen.
- 68955 STRANEO, S. L. Sur la tribu des Metiini (Antartiini auct.) (Coleoptera Pterostichidae). Rev. Franç. d'Ent. 18:56-88. 1951. 421 R323
New species in *Metius* and *Antartiola* n.g.
- 68956 TEXAS. FOREST SERV. Southern pine beetle, *Dendroctonus frontalis*; its occurrence and control in east Texas. Tex. Forest Serv. C. 26,7 p. Oct. 1950. 99.9 T31C
- 68957 THIEM, E. Untersuchungen über die giftempfindlichkeit der kartoffelkäferlarven in abhängigkeit vom entwicklungszustand. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:8-12. Jan. 1951. 464.9 N11
Leptinotarsa decemlineata.
- 68958 THOMAS, I., and DUNN, E. Colorado beetle [*Leptinotarsa decemlineata*] in England, 1950. Gt. Brit. Min. Agr. Agriculture 58:135-139. June 1951. 10 G79J
- 68959 TRESSENS, J. Trois mois de chasse en hiver au Maroc. Entomologiste 6:145-149. Nov./Dec. 1950. 421 En814
Coleoptera.
- 68960 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. White-fringed beetle [*Graphognathus leucoloma*] quarantine and amended regulations. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-Q 72,18 p. May 10, 1951. 1 F31
- 68961 VALDÉS BARRY, F. Control del picudo negro del plátano [*Cosmopolites sordidus*]; ensayos con insecticidas. Agrotecnia 5:35-40. Mar./Apr. 1951. 8 Ag825
- 68962 VAN ZWALUENBURG, R. H. Some elaterid beetles from New Guinea. Hawaii. Ent. Soc. Proc. 14: 323-325. 1950, pub. Mar. 1951. 420 H312
Includes new species in *Alaus*, *Tetrigus*, and *Neopristiphorus*.

68963 WHITCOMB, W. Contra el picudo del algodón [*Anthonomus grandis*]. Agr. Venezol. 15(150):17-26. Mar./Apr.1951. 9.95 Ag8

68964 WÖRNDLE, A. Die käfer von Nordtirol. Faunistisches verzeichnis der aus dem gebiete bisher bekannt gewordenen Koloeporen; unter mitarbeit von J. Amman, H. Knabl, E. Pechlaner, und mehreren anderen entomologen. Innsbruck, Wagner, 1950. 388 p. (Schlern-Schriften. 65.) 427 W89

68965 ZACHER, F. Ausbreitung des speisebohnen-käfers (*Acanthoscelides obtectus* Say.) in Deutschland Nachrbl. des Deut. Pflanzenschutzdienstes 2:121. Ref. Aug.1950. 442.9 B832

DIPTERA

68966 ALEXANDER, C. P. New or little-known Tipulidae (Diptera). LXXXIX. Oriental-Australasian species. Ann. & Mag. Nat. Hist. (ser.12)4:576-606. June 1951. 410 An77

New species in *Macromastix*, *Limonia*, *Gynoplistia*, *Elephantomyia*, *Trentepohlia*, *Toxorhina*, and *Styringomyia*.

68967 ANDISON, H. The narcissus bulb fly [*Lampetia equestris*] and its control in British Columbia. Canada. Sci. Serv. Div. Ent. Processed P. 117,7 p. Jan.1951. 423.92 C16P

68968 ARNASON, T. J., IRWIN, R. L., and SPINKS, J. W. T. P32-induced lethal mutations in *Drosophila*. Canad. J. Zool. 29:234-239. June 1951. 470 C16D

68969 ASH, J. Some records of *Ornithomya* spp. (Dipt., Hippoboscidae) from Öland in 1950. Ent. Tidskr. 72:22-24. 1951. 421 En891

68970 AUSILIO, M. D'. Action of two phosphoric esters against the olive fly [*Dacus oleae*]. (In Italian.) Ann. della Sper. Agr. (n.s.)5:649-662. 1951. 16 An76

English summary.

68971 BARRETTO, M. P. Contribution to the study of the Brazilian Bruchomyiinae, with descriptions of two new species [in *Bruchomyia*] (Diptera, Psychodidae). (In Portuguese.) São Paulo Dept. de Zool. Papéis Avulsos 9:341-350. 1950. 410.9 Sa63

English summary.

68972 BARRETTO, M. P. Studies on Brazilian Tabanidae. XI. On the nomenclatural validity of the generic names published in "Coleção de Tabánidas, Instituto Oswaldo Cruz em Mangueiras, Rio de Janeiro, 1909." (Diptera, Tabanidae). (In Portuguese.) São Paulo Dept. de Zool. Papéis Avulsos 9:61-68. Ref. 1950. 410.9 Sa63

English summary.

68973 BELLE, G. Comment lutter efficacement à la ferme contre les mouches? Terre Marocaine 25:149-152. May 1951. 24 T44

68974 BERRY, D. Pear psylla [*Psylla pyricola*] on the move. West. Fruit Grower 5(4):20. Apr.1951. 95.8 G762

Also includes *Rhagoletis cingulata*.

68975 BERTRAND, H. Diptères Chironomides [i.e. Tendipedidae] pyrénéens. Soc. Ent. de France. B. 55:153-155. Dec.1950. 420 F84B

68976 BEVAN, W. J., and EDWARDS, E. E. Studies on the ox warble flies, *Hypoderma lineatum* and *Hypoderma bovis*. B. Ent. Res. 41:639-662. Ref. Apr.1951. 421 B87

68977 BOLLOW, H. Das massenaufreten der bisher unbekannten roggengallmücke [*Mayetiola secalis*] in Bayern. Biol. Zent. f. Land- u. Forstwirtschaft. Mitt. 70:126-127. Feb.1951. 410.9 G31M

68978 BRAUNS, A. Zur kenntnis der schadinsekten an champignonkulturen. Nachrbl. des Deut. Pflanzenschutzdienstes 2:153-156. Ref. Oct.1950. 442.9 B832

Biology, parasites, (*Synaldis concolor*) and control of *Megaselia nigra*.

68979 BREMER, H. Zur rassenfrage bei *Pegomya hyoscyami* Pz. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 57:415-416. Nov./Dec.1950. 464.8 Z3

68980 BROWN, L. E., and DEWEY, J. R. Control of the apple leaf-curling midge [*Dasyneura mali*] with DDT in codling moth sprays. J. Econ. Ent. 44:425-426. June 1951. 421 J822

68981 BRUCE, W. N., and DECKER, G. C. Control of horse flies [*Tabanus* spp.] on cattle. Ill. Nat. Hist. Survey Div. Biol. Notes 24,8 p. Feb.1951. 442.9 H62

68982 BURLA, H. Die chromosomensätze der in der Schweiz vorkommenden *Drosophila*-arten *D. helvetica*, *D. kuntzei*, *D. limbata*, *D. testacea*, *D. littoralis* und *D. nigrosarsa*. Schweiz. Gesell. f. Vererbforsch. Jahresber. 10:496-504. Ref. 1950. 443.9 Sch9

68983 BURLA, H. *Drosophila grischuna* species nova, eine neue art aus der Schweiz. Schweiz. Gesell. f. Vererbforsch. Jahresber. 10:619-623. 1950. 443.9 Sch9

68984 BUSHNELL, H. H. Fly control—deadly weapons help war against disease-carriers. West. Dairy J. 7(9):42-43. July 1951. 44.8 W524

Insecticides.

68985 BUZI, C. C. New system of olive fruit fly, *Dacus oleae*, control. (In Italian.) Olivicoltura 5(10):8-9. Oct.1950. 80 OL42

68986 CARRERA, M., and ANDRETTA, M. A. V. D'. Asilidae from Mexico (Diptera). (In Portuguese.) São Paulo Dept. de Zool. Papéis Avulsos 9:159-191. 1950. 410.9 Sa63

English summary.

Includes new species in *Dizonias*, *Mallophora*, *Promachus*, *Erax*, and *Asilus*.

68987 CARRERA, M., and ANDRETTA, M. A. V. D'. On the Brazilian species of *Systropus* Wiedemann, 1830 (Diptera, Bombyliidae). (In Portuguese.) São Paulo Dept. de Zool. Papéis Avulsos 9:295-319. 1950. 410.9 Sa63

English summary.

68988 CARRERA, M. On the genus *Plagiocephalus* Wiedemann, 1830 (Diptera, Otitidae, Pterocallinae). (In Portuguese.) São Paulo Dept. de Zool. Papéis Avulsos 9:259-268. Ref. 1950. 410.9 Sa63

English summary.

68989 CENA, M. Notes on the control of flies [*Musca domestica*; *Stomoxys calcitrans*] in the animal environment. (In Polish.) Med. Weter. 7:193-198. Mar.1951. 41.8 M463

English summary.

68990 CHADDOCK, T. T. Grubs of the screw fly [*Wohlfahrtia vigil*] in mink. Natl. Fur News 23(6):18,23. July 1951. 412.628 R59

68991 CLANCY, D. W., MARUCCI, P. E., and VAN DEN BOSCH, R. Notes on natural enemies of tephritid flies. Hawaii. Ent. Soc. Proc. 14:229-235. 1950, pub. Mar.1951. 420 H312

Chiefly *Opius* spp.

68992 COLAÇO, A. T. F. Methods for breeding *Flebotomus*. (In Portuguese.) Inst. de Med. Trop. An. 7:427-453. Ref. July 1950. 448.9 L68

English summary.

68993 CORRINGTON, J. D. Under the microscope; the bee louse [*Braila coeca*]. Nat. Mag. 44:390-391. Aug./Sept.1951. 409.6 N214

68994 CREWE, W., and O'ROURKE, F. J. The biting habits of *Chrysops silacea* in the forest at Kumba, British Cameroons. Ann. Trop. Med. & Parasitol. 45:38-50. May 1951. 448.9 L75A

68995 CROUZEL, I. S. DE. Primer estadio larval de *Doringia acridiorum* (Weyenb); (Diptera; Sarcophagidae). Arthropoda 1:291-297. Ref. Oct.16,1950. 421 Ar7

English summary.

68996 CURRAN, C. H. Synopsis of the North American species of *Spilomyia* (Syrphidae, Diptera). Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1492,11 p. Mar.2,1951. 500 N483N

68997 CURRAN, C. H. The West Indian species of *Mydas* and *Proctacanthus* (Diptera: Mydidae and Asilidae). Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1507,9 p. Apr.13,1951. 500 N483N

68998 THE DAIRY farmer and his fly problem. Milk Plant Mon. 40(6):30-32,34,36. June 1951. 44.8 C864

68999 D'ASSIS-FONSECA, E. C. M. The resistance of certain species of Diptera to killing agents. Ent. Rec. & J. Variation 63:120-121. June 1951. 421 En89

69000 D'ASSIS-FONSECA, E. C. M. *Salmacia capitata* Deg. (Dipt., Larvaevoridae) from Deal, E. Kent. Soc. Brit. Ent. J. 3:246-247. Jan.12,1951. 420 En85J

69001 DAVEY, J. T., and O'ROURKE, F. J. Observations on *Chrysops silacea* and *C. dimidiata* at Benin, Southern Nigeria. I-II. Ann. Trop. Med. & Parasitol. 45:30-37,66-72. Ref. May 1951. 448.9 L75A

69002 DAVIES, D. M. A study of the back fly [*Simuliidae*] population of a stream in Algonquin Park, Ontario. Roy. Canad. Inst. Trans. 28:121-159. Ref. Oct.1950. 517 T63T

69003 EJERCITO, A., and URBINO, C. M. Flight range of gravid and newly emerged *Anopheles*. World Health Organ. B. 3:663-671. 1951. 449.9 W829B

69004 ELISHEWITZ, H. What are the potential pest control problems in an atomic-bombed community? I. Pest Control 19(7):11-13,24. July 1951. 449.8 Ex8

Chiefly on fly control problems.

- 69005 ENGLISH, K. M. I. Notes on the morphology and biology of *Anabarrhynchus fasciatus* Macq. and other Australian Therevidae (Diptera, Therevidae). Linn. Soc. N. S. Wales. Proc. 75:345-359. Ref. 1950. 514 Sy2
- 69006 FANNING, O., and BOLTON, W. H. *Musca publicica*: Charleston [West Virginia] experiments with a new species of fly publicity. CDC Bulletin 10(2):23-24. Feb. 1951. 151.65 C12
- 69007 FAURE, R. M. Fievre et phlébotomes [Flebotomus]: essai clinique sur la possibilité de la présence de la fièvre à phlébotomes en Afrique du Nord. Soc. de Path. Exot. B. 44:77-83. 1951. 448.9 So13
- 69008 FLUKE, C. L. Controlling the apple maggot [*Rhagoletis pomonella*]. Wis. Agr. Col. Ext. C. 394, 4 p. Mar. 1951. 275.29 W75C
- 69009 FLUKE, C. L. Syrphid flies related to *Volucella scutellata* Macquart. Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1503, 33 p. Apr. 5, 1951. 500 N483N
- 69010 FRICK, K. E. Some methods and suggestions for improving the cherry fruit fly [*Rhagoletis cingulata*] control program. Wash. State Hort. Assoc. Proc. 46:49-52. 1950. 81 W273
- 69011 FRONDA, F. M. DDT in the control of flies. Agr. & Indus. Life 13(5):30. May 1951. 25 Ag8
- 69012 FULLAWAY, D. T. Review of the Indo-Australasian parasites of the fruit flies (Tephritidae). Hawaii. Ent. Soc. Proc. 14:243-250. 1950, pub. Mar. 1951. 420 H312
- Opus spp.*
- 69013 GARRETT-JONES, C. The Congo floor maggot, *Auchmeromyia luteola* (F.), in a laboratory culture. B. Ent. Res. 41:679-708. Ref. Apr. 1951. 421 B87
- 69014 GLOOR, H. Vitalität verschiedener stämme von *Drosophila melanogaster* bei minimaler ernährung. Schweiz. Gesell. f. Vererb. Forsch. Jahresber. 10:508-512. 1950. 443.9 Sch9
- 69015 GOLDSCHMIDT, R. B., HANNAH, A., and PITERICK, L. K. The podoptera effect in *Drosophila melanogaster*. Calif. U. P. Zool. 55:67-293. Ref. 1951. 500 C125Z
- 69016 GÖTZE, R. Zur bekämpfung der dasselfliege. Tierzüchter 3:305-307. June 5, 1951. 49 T445
- Hypoderma lineatum* on cattle.
- 69017 GREEN, A. A. The control of blowflies infesting slaughter-houses. I. Field observations of the habits of blowflies. Ann. Appl. Biol. 38:475-494. Ref. June 1951. 442.8 An72
- 69018 HADORN, E., and FRITZ, W. Die mutante "dunkel," (du) von *Drosophila melanogaster* und das problem der pleiotropie bei sterilitätsfaktoren. Schweiz. Gesell. f. Vererb. Forsch. Jahresber. 10:504-508. 1950. 443.9 Sch9
- 69019 HAHMANN, K., and MÜLLER, H. Weitere erfahrungen mit der chrysanthemen-gallmücke [*Dia-thronomyia chrysanthemi*]. Nachrbl. des Deut. Pflanzenschutzdienstes 2:129-131. Sept. 1950. 442.9 B832
- 69020 HANSENS, E. J. How to get rid of flies. N. J. Agr. Col. Ext. L. 51, 4 p. May 1951. 275.29 N46L
- 69021 HARDY, D. E. A monographic study of the African Bibionidae (Diptera). II. Genus *Philia* Meigen. Kans. Ent. Soc. J. 24:74-84. (To be cont.) Apr. 1951. 420 K13
- 69022 HARDY, D. E. Studies in Pacific Bibionidae (Diptera). II. Genus *Philia* Meigen. Hawaii. Ent. Soc. Proc. 14:251-275. Ref. 1950, pub. Mar. 1951. 420 H312
- 69023 HERSKOWITZ, I. H. A list of chemical substances studied for effects on *Drosophila*, with a bibliography. Amer. Nat. 85:181-199. Ref. May/June 1951. 470 Am36
- 69024 HEKTEL, J. How poultry operators can control fly breeding. Calif. Farmer, North. Ed. 195:38. July 14, 1951. 6 C126
- 69025 HIXSON, E., and MUMA, M. H. Stable fly [*Stomoxys calcitrans*] control on dairy animals with piperonyl butoxide-pyrethrins. J. Econ. Ent. 44:401-404. Ref. June 1951. 421 J822
- 69026 HOVEY, C. L. You can control flies—the Eastern States way. East. States Coop. 27(7):5. July 1951. 280.28 Ea7
- 69027 JOHNSTONE, I. L., and SCOTT, M. T. Field trials on the prevention of body-strike in sheep by the use of DDT and BHC. Austral. Vet. J. 27:79-82. Apr. 1951. 41.8 Au72
- 69028 JONES, R. W. III, and MAGY, H. I. Mosquito control techniques for control of *Hippelates* spp. (Diptera: Chloropidae). Mosquito News 11:102-107. June 1951. 421 M85
- 69029 KAHER, E. "Winkel" (Wi), eine neue mutante mit wirkung auf die arista bei *Drosophila pseudoobscura*. Schweiz. Gesell. f. Vererb. Forsch. Jahresber. 10:512-514. 1950. 443.9 Sch9
- 69030 KROMPHARDT, H. Untersuchungen über die möhrenfliege (*Psila rosae* F.) in Schleswig-Holstein. Nachrbl. des Deut. Pflanzenschutzdienstes 2:171-172. Nov. 1950. 442.9 B832
- 69031 LAURENCE, B. R. On two neglected type designations in the genus *Hydrobaenus* Fries, 1830 (Dipt., Chironomidae). Ent. Mon. Mag. 87:164-165. June 1951. 421 En86
- Includes *Pseudokiefferiella*, new subgenus.
- 69032 LAURENCE, B. R. The prey of some tree trunk frequenting Empididae and Dolichopodidae (Dipt.) Ent. Mon. Mag. 87:166-169. June 1951. 421 En86
- 69033 LEVENBOOK, L. The effect of carbon dioxide and certain respiratory inhibitors on the respiration of larvae of the horse bot fly (*Gastrophilus intestinalis* de Geer). J. Expt. Biol. 28:181-202. Ref. June 1951. 442.8 B77
- 69034 LEVENBOOK, L. The variation in fat and glycogen content of the bot fly (*Gastrophilus intestinalis*) larva tracheal organ during development. J. Expt. Biol. 28:173-180. Ref. June 1951. 442.8 B77
- 69035 LIMA, A. DA C. Two species of *Gitona* predatory on coccids of the genus *Orthezia* (Diptera: Drosophilidae). (In Portuguese.) Arthropoda 1:247-253. Oct. 16, 1950. 421 Ar7
- English summary.
- 69036 LINDQUIST, A. W., and others. Studies of the flight habits of three species of flies tagged with radioactive phosphorus. J. Econ. Ent. 44:397-400. June 1951. 421 J822
- W. W. Yates, R. A. Hoffman, and J. S. Butts, joint authors.
- Musca domestica*, *Phaenicia sericata*, *Phormia regina*.
- 69037 MACKERRAS, M. J., and MACKERRAS, I. M. Notes on Australasian Simuliidae (Diptera). II. Linn. Soc. N. S. Wales. Proc. 75:167-187. 1950. 514 Sy2
- Includes new species in: *Cnephia*, *Simulium*, and *Austrosimulium*.
- 69038 MADWAR, S., and ZAHAR, A. R. Preliminary studies on houseflies in Egypt. World Health Organ. B. 3: 621-636. 1951. 449.9 W829B
- Estimation of population density; control methods.
- 69039 MAERCKES, H. Über die bekämpfung der wiesenschnakenlarve im grünland mit organischen insektiziden. Nachrbl. des Deut. Pflanzenschutzdienstes 2:166-168. Nov. 1950. 442.9 B832
- Tipula czizeki* and *T. paludosa*.
- 69040 MERRELL, D. J. Interspecific competition between *Drosophila funebris* and *Drosophila melanogaster*. Amer. Nat. 85:159-169. Ref. May/June 1951. 470 Am36
- 69041 MICHELbacher, A. E., MIDDLEKAUFF, W. W., and GLOVER, L. C. Studies with aldrin and dieldrin against melon insects. J. Econ. Ent. 44:390-393. June 1951. 421 J822
- Chiefly *Liriomyza subpusilla*; also *Diabrotica* spp., *Eleodes dentipes*, and *Empoasca abrupta*.
- 69042 MILES, M. Factors affecting the behaviour and activity of the cabbage root fly (*Erioischia* [i.e. *Hylemya*] *brassicae* Bché). Ann. Appl. Biol. 38:425-432. June 1951. 442.8 An72
- 69043 MILLER, L. A. Observations on the bionomics of some northern species of Tabanidae (Diptera). Canad. J. Zool. 29:240-263. Ref. June 1951. 470 C16D
- 69044 MOULE, G. R. The sheep blowfly problem in Queensland. 1-4. Queensland Agr. J. 72:169-175, 281-287. Mar., May 1951. 23 Q35
- 69045 NATER, H. Der samenpumpen-sklerit von *Drosophila* als taxonomisches merkmal. Schweiz. Gesell. f. Vererb. Forsch. Jahresber. 10:623-625. 1950. 443.9 Sch9
- 69046 NEWELL, I. M., VAN DEN BOSCH, R., and HARAMOTO, F. H. An improved method of rearing field-collected fruit fly [*Dacus dorsalis*, *D. curcurbitae*] larvae. Hawaii. Ent. Soc. Proc. 14:297-299. 1950, pub. Mar. 1951. 420 H312
- 69047 NOLTE, H. W. Die bekämpfung der larve der zwiebelfliege (*Hylemyia antiqua*) mit kontaktinsektiziden. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.):46-48. Mar. 1951. 464.9 N11
- 69048 PARROT, L. Notes sur les phlébotomes [Flebotomus]. LXI. A propos de classification. Inst. Pasteur d'Algérie. Arch. 29:28-45. Ref. Mar. 1951. 448.3 In7A
- 69049 QUISENBERRY, B. F. A study of the genus *Tephritis* Latreille in the Nearctic Region north of Mexico (Diptera: Tephritidae). Kans. Ent. Soc. J. 24:56-72. Ref. Apr. 1951. 420 K13
- 69050 RINGDAHL, O. Some eye-flies (Pipunculidae) new to the Swedish fauna. (In Swedish.) Ent. Tidskr. 72: 37-38. 1951. 421 En891

- 69051 ROBERTS, J. The mangel fly [*Pegomya hyoscyami* betae]. Some suggestions for controlling a pest. Beet Grower 5:50,52. Apr.1951. 66.8 B392
- 69052 RONEY, J. N. Cattle spraying in Arizona. Ariz. Cattlelog 6(7):60. Apr.1951. 43.8 Ar42
Fly control.
- 69053 ROWE, C. Cherry fruit fly [*Rhagoletis cingulata*] control. Wash. State Hort. Assoc. Proc. 46:36. 1950. 81 W273
- 69054 SACCA, G. Preimaginal stages of *Phlebotomus perilliewi* Parrot, *P. papatasi* Scop., *P. perniciosus* Newstead (Diptera, Psychodidae). (In Italian.) Ist. Super. di Sanit. Rend. 13:680-688. 1950. 449.9 R66
English summary.
- 69055 SCHOOF, H. F. Entomologic appraisal of fly control programs. CDC Bulletin 10(2):25-28. Feb.1951. 151.65 C12
- 69056 SEGUY, E. Un nouveau calliphoride [*Sarcophaga mezzadrii*] parasite du criquet migrateur [*Locusta* sp.]. Rev. Franç. d'Ent. 18:119-121. 1951. 421 R323
- 69057 SHAW, F. R. Some new Mycetophilidae from the western United States. Brooklyn Ent. Soc. B. 46:65-70. June 1951. 420 B79
New species in *Exechia*, *Mycetophila*, *Phronia*, and *Rhymosia*.
- 69058 SIMMONS, J. E., SMITH, J., and LINDQUIST, A. W. Antibacterial properties of cattle grub [*Hypoderma lineatum* and *H. bovis*] exudates. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:93. 1950. 448.39 S012A
- 69059 SMITH, K. G. V. Additions to the dipterous fauna of Herefordshire and Warwickshire. Soc. Brit. Ent. J. 3:242-244. Jan.12,1951. 420 En85J
- 69060 SNYDER, F. M. New Neotropical Muscidae (Diptera). Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1494,11 p. Mar.5,1951. 500 N483N
New species in *Carlocamya* n.g., *Mulfordia*, *Helinella*, and *Lispidos*.
- 69061 SOPARKAR, M. B. On a bactericidal principle for cholera vibrios found in the body of the common house fly [*Musca domestica*]. (Abs.) Indian Sci. Cong. Proc. 36(2):177-178. 1949. 513 In22
- 69062 SOPARKAR, M. B. Viability of the cholera vibrio in the body of the common house fly [*Musca domestica*]. (Abs.) Indian Sci. Cong. Proc. 36(2):177. 1949. 513 In22
- 69063 SPANN, J. Dasselsschäden [*Hypoderma*] bei kühnen und milchrückgang. Auf der Alpe 1951:32-34. May 1951. 18 Au3
- 69064 SPASSKY, B. Effect of temperature and moisture content of the nutrient medium on the viability of chromosomal types in *Drosophila pseudoobscura*. Amer. Nat. 85:177-180. May/June 1951. 470 Am36
- 69065 SUMERFORD, W. T., and others. The potentiation of DDT against resistant houseflies by several structurally related compounds. Science 114:6-7. July 6,1951. 470 Sci2
M. B. Goette, K. D. Quartermann, and S. L. Schenck, joint authors.
- 69066 SWEZEY, O. H. The seed corn maggot, *Hyalemyia cilicrura* (Rondani), from the silversword plant, (Diptera: Anthomyiidae). Hawaii. Ent. Soc. Proc. 14:311-312. 1950, pub. Mar.1951. 420 H312
- 69067 THIEM, H. Über erfahrungen zur bekämpfung der kirschfruchtfliege [*Rhagoletis cingulata*]. Biol. Zent. anst. f. Land- u. Forstwirtschaft. Mitt. 70:118-121. Feb.1951. 410.9 G31M
- 69068 THIENEMANN, A., and STRENZKE, K. Larventyp und imaginalart bei *Chironomus* [i.e. *Tendipes*] s. s. Ent. Tidskr. 72:1-21. Ref. 1951. 421 En891
- 69069 TRAVIS, B. V., and others. Strip spraying by helicopter to control blackfly [simuliid] larvae. Mosquito News 11:95-98. June 1951. 421 M85
D. L. Collins, G. De Foliart, and H. Jamnback, joint authors.
- 69070 VERRIER, M. L. Note écologique et biogéographique sur *Liponeura cinerascens* Lw. (Diptère Blépharoceride). Feuille des Nat. (n.s.):6:13-14. Jan./Feb. 1951. 410 F432
- 69071 WAGNER, G. Das wachstum der epidermiskerne während der larvenentwicklung von *Calliphora erythrocephala* Meigen. Z. f. Natforsch. 6b:86-90. Feb./Mar.1951. 474 Z3
- 69072 WATSON, A. G. A new species of *Phlebotomus* [i.e. *Flebotomus*] (Diptera, Psychodidae) from Uganda. Ann. Trop. Med. & Parasitol. 45:78-79. May 1951. 448.9 L75A
- 69073 WOLF, B. E. Die chromosomen in der spermatogenese der Dipteren *Phryne* [fenestralis, *P. cincta*] und *Mycetobia* [pallipes]. Chromosoma 4:148-204. Ref. 1950. 442.8 C46
- 69074 YASUZUMI, G., and MIYAO, G. A qualitative analysis of the amino acids in isolated chromosomes. Expt. Cell Res. 2:153-157. June 1951. 442.8 Ex7
In *Drosophila melanogaster*.
- 69075 YOTHERS, M. A. Preliminary studies on deposit of insecticides used against the cherry fruit fly [*Rhagoletis cingulata*]. Wash. State Hort. Assoc. Proc. 46:41-44. 1950. 81 W273
- 69076 ZUMPT, F. Key to the Stomoxydinae of the Ethiopian region, with description of a new *Haematobia* and a new *Rhinomusca* species from Zululand. Inst. de Med. Trop. An. 7:397-426. July 1950. 448.9 L68

Culicidae

- 69077 BAZ, I. I. *Dixa aestivalis* in Egypt. Roy. Egypt. Med. Assoc. J. 33:1021-1028. 1950. 448.9 Eg93
- 69078 BISHOPP, F. C. Domestic mosquitoes. U. S. D. A. L. 186, rev., 8 p. Apr.1951. 1 Ag84L
Biology and control.
- 69079 BONNET, D. D., and HU, S. M. K. The introduction of *Toxorhynchites brevipalpis* Theobald into the Territory of Hawaii. Hawaii. Ent. Soc. Proc. 14:237-242. 1950, pub. Mar.1951. 420 H312
- 69080 BROWN, A. W. A., and others. Control of adult mosquitoes and black flies [Simuliidae] by DDT sprays applied from aircraft. Mosquito News 11:75-84. June 1951. 421 M85
R. P. Thompson, C. R. Twinn, and L. K. Cutkomp, joint authors.
- 69081 BUSHLAND, R. C. Attempts to utilize mosquito [*Aedes aegypti*] larvae in a bioassay method for insecticide residues in animal products. J. Econ. Ent. 44:421-423. June 1951. 421 J822
Butter fat and beef fat.
- 69082 COLLIGNON, E. Comportement des Anophèles, dans le Département d'Alger, en 1950. Inst. Pasteur d'Algérie. Arch. 29:25-27. Mar.1951. 448.3 In7A
- 69083 DAS GUPTA, B. C. Malaria and its control. Natl. Inst. Sci. India. Proc. 16:555-564. Nov./Dec.1950. 513 N212
Includes mosquito control.
- 69084 GABALDON, A. Progress of the malaria campaign in Venezuela. Natl. Malaria Soc. J. 10:124-141. June 1951. 448.9 N213
Mosquito vectors are *Anopheles albimanus* and *A. darlingi*.
- 69085 GINSBURG, J. M. Toxicity of allethrin to mosquitoes, as compared with pyrethrins. Mosquito News 11:99-102. Ref. June 1951. 421 M85
- 69086 GORDON, W. A., and HAMBOULAS, K. A combined operation. Empire Forestry Rev. 30:158-165. June 1951. 99.8 Em72
Drainage in Cyprus for mosquito control and reclamation.
- 69087 HODGDEN, B. B. Some entomological aspects of a flood emergency. Mosquito News 11:94-95. June 1951. 421 M85
Increase in mosquito breeding places.
- 69088 JENKINS, D. W., and HASSETT, C. C. Dispersal and flight range of subarctic mosquitoes [*Aedes communis*] marked with radiophosphorus. Canad. J. Zool. 29:178-187. Ref. June 1951. 470 C16D
- 69089 KNIGHT, K. L., and HULL, W. B. The *Aedes* mosquitoes of the Philippine Islands. I. Keys to species. Subgenera *Mucidus*, *Ochlerotatus*, and *Finlaya* (Diptera, Culicidae). Pacific Sci. 5:211-251. Ref. July 1951. 475 P11
- 69090 MCARTHUR, J. The importance of *Anopheles leucosphyrus*. Roy. Soc. Trop. Med. & Hyg. Trans. 44:683-694. Ref. June 1951. 448.9 R813
Possible malaria vector.
- 69091 NAIR, C. P. Studies on DDT barrier spray with reference to local rainfall and seasonal incidence of mosquitoes. Roy. Soc. Trop. Med. & Hyg. Trans. 44:741-746. June 1951. 448.9 R813
India.
- 69092 NOGUEIRA, J. P., and COITO, A. M. Mission of the Institute of Tropical Medicine at Cape Verde. Report of work accomplished in part on the islands of Santo Antão and Brava. (In Portuguese.) Inst. de Med. Trop. An. 7:477-507. July 1950. 448.9 L68
Includes reports on mosquitoes and other insect pests.

- 69093 PAMPANA, E. J. Lutte antipaludique par les insecticides à action rémanente; résultats des grandes campagnes. World Health Organ. B. 3:557-619. Ref. 1951. 449.9 W829B
English summary.
Mosquito control.
- 69094 PINOTTI, M. The biological basis for the campaign against the malaria vectors [*Anopheles* spp.] of Brazil. Roy. Soc. Trop. Med. & Hyg. Trans. 44:663-682. Ref. June 1951. 448.9 R813
- 69095 QURAISHI, M. S., AHMED, M., and GRAMICIA, G. Pre-monsoon malaria transmission in the district of Mymensingh, East Pakistan. World Health Organ. B. 3:673-682. 1951. 449.9 W829B
Study on *Anopheles philippinensis*.
- 69096 RAO, T. R. Malaria control using indoor residual sprays in the Eastern Province of Afghanistan. World Health Organ. B. 3:639-661. 1951. 449.9 W829B
Anopheles culicifacies and *A. superpictus* proven vectors.
- 69097 RATCLIFF, F. N., and FENNESSY, B. V. Mosquito-borne myxomatosis. Muster 5:407,409,411. Feb.15,1951. 45.8 M97
For biological control of rabbits in Australia.
- 69098 REID, J. A. A laboratory method for testing residual insecticides against anopheline mosquitos. B. Ent. Res. 41:761-777. Ref. Apr.1951. 421 B87
DDT, benzene hexachloride, and chlordane tested with *Anopheles vagus*.
- 69099 SMITH-WHITE, S. A note on non-reciprocal fertility in matings between subspecies of mosquitoes [in *Aedes scutellaris*]. Linn. Soc. N. S. Wales. Proc. 75:279-281. 1950. 514 Sy2
- 69100 SOPER, F. L. General principles of the [malaria] eradication programs in the Western Hemisphere. Natl. Malaria Soc. J. 10:183-194. June 1951. 448.9 N213
Including mosquito control.
- 69101 STAGE, H. H., and SOLLERS, H. References to literature of interest to mosquito control workers and malariologists. Mosquito News 11:113-119. June 1951. 421 M85
- 69102 STAGE, H. H. Research on mosquitoes by the Bureau of Entomology and Plant Quarantine during 1950. Mosquito News 11:84-89. June 1951. 421 M85
- 69103 THURMAN, D. C., JR., and HUSBANDS, R. C. Preliminary report on mosquito flight dispersal studies with radioisotopes in California, 1950. CDC Bulletin 10 (4):1-9. Ref. Apr.1951. 151.65 C12
Aedes nigromaculis tagged with radiophosphorus.
- 69104 TRAVIS, B. V., and SMITH, C. N. Mosquito repellents selected for use on man. J. Econ. Ent. 44:428-429. June 1951. 421 J822
Tests with *Aedes* spp. and *Anopheles quadrimaculatus*.
- 69105 TULLOCH, G. S., and SHAPIRO, J. E. Electron micrographs of antennal hairs of mosquitoes. Brooklyn Ent. Soc. B. 46:76-78. June 1951. 420 B79
Observations on *Culex quinquefasciatus* and *Chaoborus brasiliensis*.
- 69106 WOODHILL, A. R. Further notes on experimental crossing within the *Aedes scutellaris* group of species (Diptera, Culicidae). Linn. Soc. N. S. Wales. Proc. 75:251-253. 1950. 514 Sy2
- HEMIPTERA (HETEROPTERA AND HOMOPTERA)**
- 69107 ARMAND, J. E. The squash bug [*Anasa tristis*]. Canada. Sci. Serv. Div. Ent. Processed P. 102,4 p. May 1951. 423.92 C16P
- 69108 BEAMER, R. H. A rare wing deformity in delphacine fulgorids [*Delphacodes consimilis*] (Homoptera-Fulgoridae-Delphacinae). Kans. Ent. Soc. J. 24:55. Apr.1951. 420 K13
- 69109 BOBB, M. L. The life history of *Gerris canaliculatus* Say in Virginia (Hemiptera: Gerridae). Va. J. Sci. (n.s.)2:102-108. Apr.1951. 470 V81
- 69110 BOSIAN, G. Verbreitung der reblaus durch die winzer. Landbote 5(24):4. June 16,1951. 18 L2336
Phylloxera.
- 69111 BOURGIN, G., and BOURGIN, P. Sur quelques Hémiptères, proies de *Mantis religiosa* L. Entomologiste 6:171-172. Nov./Dec.1950. 421 En814
- 69112 BRANAS, J. La lucha contra la filoxera. Vinos, Viñas y Frutas 45:457-462. (Cont.) Apr.1951. 9 Ag89
On grapes.
- 69113 BROADBENT, L., and TINSLEY, T. W. Experiments on the colonization of potato plants by apterous and by alate aphids in relation to the spread of virus diseases. Ann. Appl. Biol. 38:411-424. June 1951. 442.8 An72
Chiefly *Myzus persicae*.
- 69114 BURSCHEL, P., and VITE, P. Neue beobachtungen über die buchenblattbaumlaus *Phyllaphis fagi* L. (Hem., Aphididae). Forstwiss. Centbl. 70:181-186. Ref. Mar.1951. 99.8 F775
- 69115 CHAUDHURI, S. P. R., and DAS GUPTA, J. Meiosis in the hemipterans *Sphaerodema* sp. (Belostomatidae) and *Riptortus* sp. (Coreidae). (Abs.) Indian Sci. Cong. Proc. 36(3):154-155. 1949. 513 In22
- 69116 COFFEY, J. H., and DUNN, W. L. The importance of sanitary refuse handling in fly control. CDC Bulletin 10(4):10-17. Ref. Apr.1951. 151.65 C12
- 69117 CHILDS, L., and OLNEY, V. W. Pear Psylla [*P. pyricola*] and its control. Wash. State Hort. Assoc. Proc. 46:201-209. 1950. 81 W273
- 69118 COBBEN, R. H. On divers and insects under water. I. (In Dutch.) Levende Nat. 54:115-120. June 1951. 410 L57
Corixidae.
- 69119 CROUZEL, I. S. DE. Relación entre Aphytis chrysomphali Mercet y su huésped *Aonidiella aurantii* (Maskell). Arthropoda 1:379-380. Oct.16,1950. 421 Ar7
- 69120 DELATTRE, R. Description de nouveaux Miridae africains (Hem. Heter.). Soc. Ent. de France. B. 55: 151-153. Dec.1950. 420 F84B
New species in *Prodromus* and *Seversysia* n. g.
- 69121 DELONG, D. M., and RUPPEL, R. F. Some new species of Mexican *Alconeura* (Homoptera-Cicadellidae). Brooklyn Ent. Soc. B. 46:57-64. June 1951. 420 B79
- 69122 DRAKE, C. J. Concerning the Cantacaderinae of the world (Hemiptera: Tingidae). Arthropoda 1:153-166. Oct.16,1950. 421 Ar7
New species in *Phatnoma* and *Cantacader*; also new genera *Allocader*, *Plesionoma*, *Ceratocader*, *Teratocader*, and *Angiocader*.
- 69123 EVANS, J. W. A re-examination of an Upper Permian insect, *Paraknightia magnifica* Ev. Austral. Mus. Rec. 22:246-250. Jan.27,1950. 514 Au7
Heteroptera, not Homoptera.
- 69124 FLEMION, F., WEED, R. M., and MILLER, L. P. Deposition of P32 into host tissue through the oral secretions of *Lygus oblineatus*. Boyce Thompson Inst. Contrib. 16:285-294. Ref. Apr./June 1951. 451 B69
- 69125 FLEMION, F., and MACNEAR, B. T. Reduction of vegetative growth and seed yield in umbelliferous plants by *Lygus oblineatus*. Boyce Thompson Inst. Contrib. 16:279-283. Ref. Apr./June 1951. 451 B69
- 69126 FREITAS, A. DE O., and CARNEIRO, H. Comparative toxicity of parathion and anthracene oil in control of *Orthozia insignis* Douglas. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 16:217-234. July/Dec.1949, pub.1950. 9.2 P423
- 69127 FREITAS, A. DE O., and CARNEIRO, H. Data on the efficiency of modern insecticides in the control of *Orthozia insignis* Douglas. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 16:168-180. July/Dec.1949, pub.1950. 9.2 P423
- 69128 FREITAS, A. DE O., and CARNEIRO, H. Occurrence and economic importance of *Orthozia insignis* Douglas. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 16:117-123. July/Dec.1949, pub.1950. 9.2 P423
- 69129 FUDALEWICZ, W. Unerwienie i narządy zmysłowe skrzydeł skoczka *Typhlocyba* sp. The innervation and sense organs in the wings of the *Typhlocyba* sp. Akad. Umiej. Prace Roln.-Leśne 56,16 p. 1950. 20.5 K85
- 69130 FUKUDA, J., and YOSHIDA, I. Studies on the effect of the mixture of lime sulphur and zinc sulphate upon the arrowhead scale [*Prontaspis yanonensis*]. (In Japanese.) Hort. Assoc. Japan. J. 19:81-97. June 1950. 87 H78
English summary.
- 69131 GAUNITZ, C. B. Some localities for *Ranatra linearis* L. (In Swedish.) Ent. Tidskr. 72:77-79. 1951. 421 En891
- 69132 GRANDORI, R. Man and the insects. (In Italian.) B. dell'Agr. 85(10):1. May 18,1951. 16 B87
Aspidiotus perniciosus and *Carpocapsa pomonella* and their control.
- 69133 GRAVESTEIN, W. H. On *Graphosoma italicum* (Muell.). (In Dutch.) Ent. Ber. 13:252-253. Apr.1,1951. 420 N38B

- 69134 HANNA, R. L., GAINES, J. C., and WIPP-RECHT, R. Results of tests for greenbug [*Toxoptera graminum*] control. *J. Econ. Ent.* 44:347-350. June 1951. 421 J822
Benzene hexachloride, parathion, tetraethyl pyrophosphate.
- 69135 HEINZE, K. Saugschäden durch weich-oder blindwanzen (Capsidae [i.e. Miridae]) an kartoffeln und rüben. *Nachrbl. des Deut. Pflanzenschutzdienstes* 2:138-140. Sept.1950. 442.9 B832
Study of *Lygus pratensis*.
- 69136 HEIZER, P. The chromosome cytology of an Oahu species of the Pacific genus *Oechalia* (Pentatomidae, Hemiptera-Heteroptera), *Oechalia grisea* (Burmeister). *J. Morph.* 88:185-198. Mar.1951. 444.8 J826
- 69137 HUNGERFORD, H. B. A new *Metrobates* from Brazil, South America (Hemiptera-Gerridae). *Kans. Ent. Soc. J.* 24:72-73. Apr.1951. 420 K13
- 69138 INDIAN LAC RESEARCH INSTITUTE. Annual report for the financial year 1949-50. Namkum, 1950. 42 p. 423.92 In23A
- 69139 JENSEN, D. D. The North American species of *Psylla* from willow, with descriptions of new species and notes on biology (Homoptera: Psyllidae). *Hilgardia* 20:299-324. Ref. Jan.1951. 100 C12H
- 69140 KAWECKI, Z. Tarcznik niszczyciel (tarcznik San José)—(*Quadraspidotus* (*Aspidiotus*) *perniciosus* Comst.) w Europie i jego pojawienie się w Polsce. San José scale—*Quadraspidotus* (*Aspidiotus*) *perniciosus* Comst. in Europe and its appearance in Poland. *Akad. Umiej. Prace Roln.-Leśne* 55,55 p. Ref. 1950. 20.5 K85
English summary.
- 69141 KLOFT, W. Über die einwirkungen einiger bienenwirtschaftlich wichtiger rindenläuse auf das pflanzenwachstum. *Z. f. Bienenforsch.* 1:56-62. Ref. Apr.1951. 424.8 Z3
Extracts of *Physokermes coryli*, *Cinara taeniata*, *C. piceae*, and *C. pinea* tested on *Lepidium sativum*.
- 69142 KLOSTERMEYER, E. C., and BREAKER, E. P. Control of hop aphids [*Phorodon humuli*] and mites. *Wash. State Col. Ext. Mimeog.* 1041,1 p. May 15,1951. 275.29 W27Mi
- 69143 KNOWLTON, G. F. Bugs [*Thyrillus pacificus*] damage grass in Utah. *Brooklyn Ent. Soc. B.* 46:74-75. June 1951. 420 B79
- 69144 KNOLL, D. J. Eight new leafhoppers from the United States (Homoptera: Cicadellidae). *Ohio J. Sci.* 51:179-183. July 1951. 410 Oh3
New species in *Erythroneura*, *Athysanella*, *Orocatus*, and *Laevicephalus*.
- 69145 LAWSON, F. R., CHAMBERLIN, J. C., and YORK, G. T. Dissemination of the beet leafhopper [*Circulifer tenellus*] in California. *U. S. D. A. Tech. B.* 1030, 59 p. Ref. Mar.1951. 1 Ag84Te
- 69146 LUCKING, W. H. To evergreens that are in trouble: *Juniperus scopulorum* and *ponderosa* pine. *Green Thumb* [Denver] 8(7):8-9. July 1951. 80 G82
Aphid infestation.
- 69147 LUDVIK, G. F., and DECKER, G. C. The insecticidal properties of some esters of phosphorus acids. *J. Econ. Ent.* 44:405-418. Ref. June 1951. 421 J822
Tests with *Myzus persicae*, *M. porosus*, and *Musca domestica*.
- 69148 MCKENZIE, H. L. Scale studies. VII. Miscellaneous diaspidid scale studies (Homoptera; Coccoidea; Diaspididae). *Calif. Dept. Agr. B.* 40:80-82. Apr./June 1951. 2 C12M
On the genus *Hemiberlesia*.
- 69149 MARSHALL, D. S., and GYRISCO, G. G. Control of the meadow spittlebug [*Philaenus leucophthalmus*] on forage crops. *J. Econ. Ent.* 44:289-293. June 1951. 421 J822
Experiments with a variety of different insecticides.
- 69150 MORRISON, C. The frog-hopper's house of foam. *Country Life* [London] 109:2045-2046. June 29, 1951. 80 C83
- 69151 MÜLLER, H. J., and UNGER, K. Über die ursachen der unterschiedlichen resistenz von *Vicia faba* L. gegenüber der bohnenblattlaus *Doralis* [i.e. *Aphis*] *fabae* Scop. II. Über die fluggewohnheiten, besonders das sommerliche schwärmen, von *Doralis fabae* und ihre abhängigkeit vom tagesgang der witterungsfaktoren. *Züchter* 21:76-89. Ref. 1951. 442.8 Z8
- 69152 PETERSON, L. O. T. The control of the pine needle scale [*Phenacaspis pinifoliae*] in the Prairie Provinces. *Canada. Sci. Serv. Div. Ent. Processed P.* 121,4 p. Dec.1950. 423.92 C16P
Primarily a pest of spruce.
- 69153 PETTEY, F. W., and MARAIS, S. J. S. The cochineal (*Dactylopius opuntiae*), and the problem of its control in spineless cactus plantations. I-II. Union So. Africa. *Dept. Agr. B.* 296,34 p. 1950. 24 So84P
I, Its history, distribution, biology, and achievements in the control of prickly pear [*Opuntia megacantha*] in South Africa, by F. W. Pettey, p.1-12; II, The control of cochineal in spineless cactus [*O. fuscicaulis*] plantations, by F. W. Pettey and S. J. S. Marais, p.13-34.
- 69154 RIETSCHER, P. Welche blattläuse erzeugen den ahorn-honigtau? *Z. f. Bienenforsch.* 1:51-55. Apr. 1951. 424.8 Z3
Chaetophorinus coracinus; *Chaetophorella aceris*.
- 69155 RIVEROS, J. E. Desconocimiento y despreocupación por la invasión de la filoxera. *Chacra* 21(247):28-29. June 1951. 9 C34
Argentina.
- 69156 RIVEROS, J. E. El problema filoxérico en la región de Cuyo. *Vinos, Vinas y Frutas* 45:463-464. Apr. 1951. 9 Ag89
On grapes.
- 69157 ROSS, E. S. Mystery of the huddling bugs [Pentatomidae]. *Pacific Discovery* 4(2):14-15. Mar./Apr. 1951. 500 P112
- 69158 RUPPEL, R. F., and DELONG, D. M. Studies of the genus *Kunzeana*. I. Five new species of Mexican *Kunzeana*. *Ohio J. Sci.* 51:187-194. July 1951. 410 Oh3
- 69159 SAVARY, A. La lutte contre les pucerons en période de végétation. *Rev. Romane d'Agr. de Viticult. et d'Arboricult.* 7:35-38. May 1951. 17 J82A
- 69160 SCHNEIDER-ORELLI, C. Der gegenwärtige stand der schweizerischen untersuchungen über Dreyfusia nüsslini. *Schweiz. Anst. f. das Forstl. Versw. Mitt.* 26: 837-860. 1950. 99.9 Sch92
- 69161 SEVERIN, H. C. Hackberry leaf galls; cause—control. *S. Dak. Farm & Home Res. [S. Dak. Sta.]* 2:40-41. Winter 1951. 100 So82S
Produced by *Psyllidae* or *Diptera* (Itonididae).
- 69162 SOUTHWOOD, T. R. E. Notes on the biology of two Coreidae [*Coriomeris denticulatus*; *Rhopalus maculatus*] and a pentatomid [*Stollia aenea*] (Hem.). *Ent. Mon. Mag.* 87:172-173. June 1951. 421 En86
- 69163 SREUDEL, W., and BURCKHARDT, F. Zur überwinterung der grünen pfirsichblattlaus (*Myzodes* [i.e. *Myzus*] *persicae* Sulz.) in westdeutschen futterrübenmieten. *Nachrbl. des Deut. Pflanzenschutzdienstes* 2:137-138. Sept.1950. 442.9 B832
- 69164 TSITOVICH, I. K. Possibilities of applying DDT to control Eurygaster. (In Russian.) *Soviet. Agron.* 9(3):88-91. Mar.1951. 20 So84
- 69165 TUTHILL, L. D. Records and descriptions of some micronesians *Psyllidae* (Homoptera). *Pacific Sci.* 5:273-278. July 1951. 475 P11
Includes new species in *Arytaina* and *Trioxa*.
- 69166 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Beet leafhopper [*Circulifer tenellus*] conditions in Utah, western Colorado and southern Nevada. 1951. Logan, Utah, 1951. 1 p. 1.967 A2B39
Utah Agricultural Experiment Station cooperating.
- 69167 USINGER, R. L. Heteroptera of the Marshall Islands. *Hawaii. Ent. Soc. Proc.* 14:315-321. 1950, pub. Mar.1951. 420 H312
- 69168 VILLIERS, A. Contribution à l'étude du peuplement de la Mauritanie. Notes sur divers Hémiptères, Hétéroptères. *Inst. Franç. d'Afrique Noire. B.* 13:129-138. Jan.1951. 515 D14
Includes new species in *Holotrichius* and *Stenocephalus*.
- 69169 VÖLK, J. Beobachtungen über das auftreten virusübertragender blattläuse an kartoffelpflanzen in abhängigkeit von der düngung. *Biol. Zentanst. f. Land- u. Forstwirtschaft. Mitt.* 70:69-72. Feb.1951. 410.9 G31M
Myzus persicae and *Doralis rhamni*.
- 69170 WEAVER, C. R. The seasonal behavior of meadow spittlebug [*Philaenus leucophthalmus*] and its relation to a control method. *J. Econ. Ent.* 44:350-353. June 1951. 421 J822
On legumes.
- 69171 WYGODZINSKY, P. On *Bargylia Stål*, 1865, *Pseudobargylia*, gen. nov. and *Leistarches serripes* Dohrn, 1860 (Emesinae, Reduviidae: Hemiptera). *Ann. & Mag. Nat. Hist.* (ser.12)4:609-617. June 1951. 410 An77
- 69172 WYGODZINSKY, P. Reduviidae from New South Wales. *Linn. Soc. N. S. Wales. Proc.* 75:81-88. 1950. 514 Sy2
New species in: *Ungerella* n. g. and *Armstrongula* n. g.

69173 ZIEGLER, O. Die bedeutung des windes und der thermik für die verbreitung der insekten, namentlich der grünen pfirsichblattlaus [Myzus persicae]. Z. f. Pflanzenbau u. Pflanzenschutz 1:241-266. Ref. 1950. 464.8 P88

69174 ZIMMERMAN, E. C. Notes on the Buchanan White types of Hawaiian Heteroptera. Hawaii. Ent. Soc. Proc. 14:333-336. 1950, pub. Mar. 1951. 420 H312

HYMENOPTERA

69175 BARTLETT, B., and EWART, W. H. Effect of parathion on parasites of *Coccus hesperidum*. J. Econ. Ent. 44:344-347. June 1951. 421 J822
Chiefly *Metaphycus luteolus*.

69176 BERLAND, L. Les dégâts des Siricides (Hymenopt. Tenth.). Entomologiste 6:174. Nov./Dec. 1950. 421 En814

69177 BLAIR, K. G. Eupelmus eurozonus Dahlb. (Hym., Chalcididae) in galls of *Rhodites rosae* L. (Hym., Cynipidae). Ent. Mon. Mag. 87:174-175. June 1951. 421 En86

69178 BRENY, R. Un ravageur occasionnel de nos pins, Neodiprion sertifer Geoffr. B. Hort. (n.s.) 6:35-37. Feb. 1, 1951. 80 B873
Belgium.

69179 BUGBEE, R. E. A new genus [Tenuipetiolus] of two previously described and two new species of the family Eurytomidae bred from cynipid and dipterous hosts. Kans. Ent. Soc. J. 24:37-45. Apr. 1951. 420 K13

69180 CORTI, W. R. Zu unserer aprilheft: von bienen, hummeln und ameisen. Du 11(4):5-6. Apr. 1951. 426 D85

With photographs of bees.

69181 FISCHER, R. L. Observations on the nesting habits of megachilid bees. Kans. Ent. Soc. J. 24:46-50. Apr. 1950. 420 K13

Dianthidium spp., *Megachile parallela*.

69182 FLEMING, W. E., COLES, L. W., and MAINES, W. W. Biological assay of residues of DDT and chlordane in soil using *Macrocentrus ancylivorus* as a test insect. J. Econ. Ent. 44:310-315. June 1951. 421 J822

69183 FRANCKE-GROSMANN, H. Über ein nördliches vorkommen der farnblattwespe *Blasticotoma filiceti* Klug. Ent. Tidskr. 72:81-82. 1951. 421 En891

69184 GAUL, A. T. Additions to vespine biology. VIII. The appreciation of time among wasps. Brooklyn Ent. Soc. B. 46:73-74. June 1951. 420 B79

Observations on *Vespula rufa* vidua.

69185 GRIOT, M., and ICART, A. Observaciones sobre un parasito del "bicho de cesto" [*Oiketicus kirbyi*] *Psychodomicra brasiliensis* (Brêthes). Bolsa de Com., Rosario. Rev. 39(942):19-20, 23-27. Apr. 15, 1951. 287 R71

69186 HASE, A. Eine merkwürdige ameisenfalle. Nat. u. Volk 80:350-351. Dec. 15, 1950. 508 F856
Imbedded in resin.

69187 HERBERG, M. Bestäubung gegen hornissen in nistkästen. Anz. f. Schädlingsk. 24:86. June 1951. 421 An9

69188 KNOWLTON, G. F. Ant control. Utah. State Agr. Col. Ext. B. 252, 2 p. June 1951. 275.29 Ut1

69189 KNOWLTON, G. F. Harvester ants [*Pogonomyrmex occidentalis*] on the western range. Brooklyn. Ent. Soc. B. 46:75. June 1951. 420 B79

69190 KROMBEIN, K. V. Additional notes on the bees of the Solomon Islands (Hymenoptera: Apoidea). Hawaii. Ent. Soc. Proc. 14:277-295. 1950, pub. Mar. 1951. 420 H312

Includes new species and forms in *Halictus*, *Megachile*, *Pycnanthidium* n.g., and *Allodapula*.

69191 KUTTER, H. Von duftäuschenden mörderinnen und berittener königin. Du 11(4):44-47. Apr. 1951. 426 D85

Ants.

69192 LABEYRIE, V., and PONS, R. *Microgaster globatus* Ness., nouveau parasite de la teigne du poireau (*Acrolepia assectella* Zeller). Soc. Ent. de France. B. 56:31. Feb. 1951. 420 F84B

69193 LECLERCQ, J. Les *Ectemnius* (*Hypocraebro*) du groupe *auriceps* Cress. (Hym., Sphecidae, Crabronidae). Rev. Franc. d'Ent. 18:121-124. 1951. 421 R323

69194 LINSSENMAIER, W. Von formen und farben der bienen. Du 11(4):43. Apr. 1951. 426 D85

69195 MARECHAL, P. Comment elever et observer les abeilles sauvages? Nat. Mosana 3:63-66. Oct./Dec. 1950. 473 N214
Osmia.

69196 MAVROMOUSTAKIS, G. A. New and little-known bees of the subfamily Anthidinae (Apoidea). IV. Ann. & Mag. Nat. Hist. (ser. 12) 4:617-624. June 1951. 410 An77

Dianthidium spp.

69197 MICHENER, C. D. Records of small megachilid bees (Hymenoptera). Kans. Ent. Soc. J. 24:50-55. Apr. 1951. 420 K13

Includes new subspecies in *Ashmeadiella*.

69198 MUESEBECK, C. F. W., KROMBEIN, K. V., and TOWNES, H. K. Hymenoptera of America north of Mexico; synoptic catalog. U. S. D. A. Agr. Monog. 2, 1420 p. Apr. 1951. 1 Ag84Am

69199 MUKERJI, S., and CHATTERJEE, S. N. *Diaeretus aphidae*, sp. nov. parasitic on *Pterochlorus persicae* Chpldk, affecting *Prunus persica* (peach) in Baluchistan. (Abs.) Indian Sci. Cong. Proc. 36(3):193. 1949. 513 In22

69200 NIBLETT, M. Some notes on the genus *Rhodites* (Hymenoptera, Cynipidae). So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1949/50:204-206. Apr. 1951. 420 So8

69201 OSMUN, J. V. These ant control formulas. Pest Control 19(7):20. July 1951. 449.8 Ex8

69202 PAVAN, M. Insecticidal properties of iridomyrmecin and significance of this substance in the biology of *Iridomyrmex humilis* Mayr (Argentine ant). (In Italian.) Ricerca Sci. 20:1853-1855. Dec. 1950. 475 It1

69203 PEACOCK, A. D. Studies in Pharaoh's ant, *Monomorium pharaonis* (L.). 5. Pupal and adult sex ratios. Ent. Mon. Mag. 87:185-191. June 1951. 421 En86

69204 PETERSON, L. O. T. Control of the yellow-headed spruce sawfly [*Pikonomia alaskensis*] in the agricultural areas of the Prairie Provinces. Canada. Sci. Serv. Div. Ent. Processed P. 120, 3 p. Dec. 1950. 423.92 C16P

69205 REEKS, W. A., and BARTER, G. W. Growth reduction and mortality of spruce caused by the European spruce sawfly. *Gilpinia* [i.e. *Diprion*] *hercyniae* (Htg.) (Hymenoptera: Diprionidae). Forestry Chron. 27:140-156. Ref. June 1951. 99.8 F7623

69206 REICH, H. Madige apfel durch die larve der ampferblattwespe (*Amestategia glabrata* Fall.) Obstbauversring. Mitt. 1950:121-123. Nov. 1/15, 1950. 85 J76

69207 SCHUSTER, R. M. A revision of the genus *Ephuta* (Multilidae) in America north of Mexico. N. Y. Ent. Soc. J. 59:1-42. Mar. 1951. 420 N48J

69208 SCHWARZ, H. F. New stingless bees (*Meliponidae*) from Panama and the Canal Zone. Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1505, 16 p. Apr. 6, 1951. 500 N483N

New species and forms in *Melipona* and *Trigona*.

69209 SIMMONDS, H. W. The establishment of the black scale [*Saissetia oleae*] parasite *Metaphycus helvulus*, Compere (Hymenoptera, Encyrtidae) in South Australia. So. Austral. Dept. Agr. J. 54:398-400. Mar. 1951. 23 So84

69210 SMITH, K. G. V. Hymenoptera, Microlepidoptera and other insects on Skokholm and Grassholm (Pembroke) in 1950. Soc. Brit. Ent. J. 3:244-246. Jan. 12, 1951. 420 En85J

69211 SPREADBURY, W. H. A wasp's nest (*Vespula vulgaris* L.). So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1949/50:83-84. Apr. 1951. 420 So8

69212 STEFFAN, J. R. Les espèces françaises d'*Haltichellinae* (Hymenoptères Chalcididae). Feuille des Nat. (n.s.) 6:1-7. (To be cont.) Jan./Feb. 1951. 410 F432
Includes new species in *Peltochalcidia*; also *Parinvreia* n. sgen. in *Invreia*.

69213 STEFFAN, J. R. Note sur la classification des *Brachymeriinae* (Hym. Chalcididae). Soc. Ent. de France. B. 55:146-150. Dec. 1950. 420 F84B

Includes new species in *Parastypiura* n. g.

69214 STELFOX, A. W. The cuckoo bee, *Sphecodes gibbus* L., confirmed as Irish. Irish Nat. J. 10:169. Apr. 1951. 410 Ir42

69215 STÖCKLEIN, F. Eine neue goldwespe aus den bayer. Alpen. Mus. G. Frey. Ent. Arb. 1:283-284. 1950. 420 M923

In *Chrysis*.

69216 TIMBERLAKE, P. H. New and little-known bees of the family Andrenidae from California. U. S. Natl. Mus. Proc. 101:373-414. 1951. 500 Sm65P
New species in *Andrena* and *Megandrena*.

69217 TIMBERLAKE, P. H. New species of Anthophora from the western United States (Hymenoptera, Apoidea). N. Y. Ent. Soc. J. 59:51-62. Mar. 1951. 420 N48J

69218 TIRELLI, M. Observations on the biology of *Acantholyda nemoralis* in the pine plantings of Abruzzi, and control methods. (In Italian.) Riv. Fitosanit. 2(4):14-23. Jan.1951. 464.8 R522

69219 VAN DEN BOSCH, R., and HARAMOTO, F. H. *Opius oophilus* Fullaway, an egg-larval parasite of the oriental fruit fly [*Dacus dorsalis*] discovered in Hawaii. Hawaii. Ent. Soc. Proc. 14:251-255. 1950, pub. Mar. 1951. 420 H312

69220 WELD, L. H. A new species of *Trybliographa* (Hymenoptera: Cynipidae). Hawaii. Ent. Soc. Proc. 14: 331-332. 1950, pub. Mar. 1951. 420 H312

See also Apiculture and *Apis mellifera*.

LEPIDOPTERA

69221 ABALO, R. A. Ensayo de conservación de maíz tipo dentado y corneo, en trojes. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5: 157-165. 1950. 59.9 P41

Includes discussion.

To prevent attack from *Sitotroga cerealella* and *Sitophilus granarius*.

69222 ALAYO D., P. Notas sobre las especies cubanas de *Euremas* del grupo *elatea-palmira* (Lepidoptera: Pieridae). B. de Hist. Nat. 2(5):7-8. Mar. 1951. 410.9 So15B

69223 ALLAN, P. B. M. Moths and bats.—How does the little pipistrelle bat catch a noctuid as large as *Triphaena pronuba*? Ent. Rec. & J. Variation 63:116-118. June 1951. 421 En89

69224 BERNARDI, G. Notes sur la nomenclature des *Lycaenidae* (Lep. *Rhopalocera*). Soc. Ent. de France B. 56:30. Feb. 1951. 420 F84B

69225 BESSON, J., and JOLY, E. Essai d'une mise au point pratique des problèmes posés par la tordeuse orientale du pêcher [*Grapholitha molesta*]. Tarn-et-Garonne Agr. 14:102-103. June 1951. 14 T17

69226 BLACKIE, J. E. H. The range and distribution of *Agapetes galathea* L. Entomologist 84:132-135. Ref. June 1951. 421 En8

69227 BOBB, M. L. Field experiments for control of oriental fruit moth [*Grapholitha molesta*]. J. Econ. Ent. 44:418-420. June 1951. 421 J822

69228 BREakey, E. P. Natural control of the orange tortrix [*Argyrotaenia citrana*] in western Washington. J. Econ. Ent. 44:424. June 1951. 421 J822

Parasites control pest of raspberries.

69229 BROWN, S. C. S. The habitat of *Epischia banksiella* Rich. (Lep. Phycitidae). Soc. Brit. Ent. J. 3: 248-249. Jan. 12, 1951. 420 En85J

69230 BROWN, S. C. S. A pathological specimen of *Argynnis euphrosyne* (L.) (Lep. Nymphalidae). Soc. Brit. Ent. J. 3:248. Jan. 12, 1951. 420 En85J

69231 BRYK, F. Über den habitus der satyrde, *Pararge achine* (Scop.), in Schweden (Lepidoptera). Ent. Tidskr. 72:29-36. Ref. 1951. 421 En891

69232 BUCHHOLZ, O. *Mitoura gryneus octoscripta* n. var. Brooklyn Ent. Soc. B. 46:78. June 1951. 420 B79

69233 BURKHARDT, V. R. Butterflies at Hong Kong. Ent. Rec. & J. Variation 63:109-111. June 1951. 421 En89

69234 BURMAN, J. H. Control of fruit pests. 1. Mopping up codlin caterpillars [*Carpocapsa pomonella*]. Mother Earth 5(2):47-48. Spring 1951. 56.8 M85

69235 CARLSON, F. W., and NEWCOMER, E. J. Preliminary observations on the habits and control of the *Pandemis* moth [*Pandemis pyrusana*]. Wash. State Hort. Assoc. Proc. 46:99-100. 1950. 81 W273

69236 CHAPMAN, R. K., and WHIPP, A. A. Strawberry leaf roller [*Ancyliis comptana fragariae*] control in Wisconsin. J. Econ. Ent. 44:424-425. June 1951. 421 J822

69237 CHRISTIANSSON, G., and NORDSTRÖM, F. A *Cucullia* species new to the country. (In Swedish.) Ent. Tidskr. 72:74-75. 1951. 421 En891

C. *fraudatrix*.

69238 COCKAYNE, E. A. Aberrations of *Abraxas grossulariata* Linnaeus (Lep. Geom.). Ent. Rec. J. Variation 63:102-106. June 1951. 421 En89

69239 COCKAYNE, E. A. *Abraxas grossulariata* L. ab. *aureomarginata* ab. nov. (Lep. Geometridae). Entomologist 84:128-131. June 1951. 421 En8

69240 COUTIN, R., and GRISON, P. Biologie du carpocapse [*Carpocapsa pomonella*] et avis de traitement. B. Hort. (n.s.) 6:99-102, 106. Apr. 1, 1951. 80 B873

69241 CROSBY, D. F. A new geographical race of an Australian butterfly. Victorian Nat. 67:225-226. Mar. 1951. 410 V66

Paralucia aenea lucida.

69242 DAVIAULT, L. Carnet d'un entomologiste. 2. La chenille des graines d'épinette [*Laspeyresia youngana*] Forêt et Conserv. 3:132-134. Mar. 1951. 99.8 F792

69243 DE WORMS, C. G. M. A collecting trip to Abisko, Swedish Lapland, in June, 1950. Entomologist 84:121-127. June 1951. 421 En8

Lepidoptera.

69244 DIAKONOFF, A. Case bearing Lepidoptera III. Organ. Sci. Res. Indonesia. O. S. R. P. 30:83-91. 1951. 330.9 Or30

Pseudodoxia.

69245 DITMAN, L. P. How canners can control corn earworm [*Heliothis armigera*] with spray boom, DDT. Food Packer 32(7):34, 36, 53. July 1951. 286.83 C165

69246 DRAPAL "Eulan," seine anwendung und bedeutung. Textil-Praxis 6:443-444. June 1951. 304.8 T3143

For control of clothes moths.

69247 EPALZA, T. DE. Notas sobre la oruga de los pinares. Balearic Isl. Diputación Prov. B. de Agr. 78:1-2. Mar. 1951. 15 B19

Thaumetopoea pityocampa.

69248 FORD, L. T. The Plutellidae. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1949/50:85-93. Apr. 1951. 420 So8

69249 FREY, W. Zur frage der brauchbarkeit neuerer kontaktinsektizide zur bekämpfung der verschiedenen raupenstadien des kohlweisslings (*Pieris brassicae* L.). Nachrbl. des Deut. Pflanzenschutzdienstes 2:168-170. Nov. 1950. 442.9 B832

69250 GÄBLER, H. Beobachtungen über den kieferr-prozessionsspinner. (*Cnethocampa* [i.e. *Thaumetopoea*] *pinivora* Tr.). Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 58:92-96. Mar./Apr. 1951. 464.8 Z3

69251 GÄBLER, H. Über den richtigen zeitpunkt einer nonnenbestäubung. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:54-58. Mar. 1951. 464.9 N11

Lymantria monacha.

69252 GERHARDT, P. D., LINDGREN, D. L., and SINCLAIR, W. B. Methyl bromide fumigation of walnuts to control two lepidopterous pests [*Myelois venipars* and *Ephestia kühniella*], and determination of bromine residue in walnut meats. J. Econ. Ent. 44:384-389. June 1951. 421 J822

69253 GOFFE, E. R. Flower preference and colour perception in butterflies. Soc. Brit. Ent. J. 3:240-241. Jan. 12, 1951. 420 En85J

69254 HELM, R. W. European corn borer [*Pyrausta nubilalis*] control in Nebraska. Nebr. Agr. Col. Ext. E. C 1555, rev., 4 p. May 1951. 275.29 N272Ex

69255 HOLLOWAY, P. H. The effect of climatic conditions on migrant species of Lepidoptera. Soc. Brit. Ent. J. 3:250. Jan. 12, 1951. 420 En85J

69256 HOWARTH, T. G. Prison camp entomology in the Far East, 1941/45. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1949/50:94-110. Apr. 1951. 420 So8

Collecting Lepidoptera in Singapore and Korea. New species in *Apatete*.

69257 JACOBS, S. N. A. The British *Oecophoridae*. II. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1949/50:187-203. Apr. 1951. 420 So8

69258 KALIS, J. P. A., and TOKOPEUS, L. J. Notes on some rare butterflies and moths from the island of Celebes. Organ. Sci. Res. Indonesia. O. S. R. P. 31:92-97. 1951. 330.9 Or30

69259 LATTIN, G. DE. Türkische Lepidopteren. II. Istanbul. U. Fen. Fakül. Mecmuası. Ser. B, Tabii Himler 16:45-73. Ref. Jan. 1951. 475 Is7

Includes new forms in *Criphia*, *Agrocola*, *Cidaria*, and *Endotricha*.

69260 LE CHARLES, L. La vie et les metamorphoses du *Charaxes jastus* Linné. Terre et la Vie 98:21-31. Jan./Mar. 1951. 410.9 P21

69261 LEEDS, H. A. Postscript by H. A. Leeds to his paper on the British aberrations of the gatekeeper butterfly, *Maniola tithonus* (Lin.); meadow brown butterfly, *Maniola jurtina* (Lin.); and the small heath butterfly, *Coenonympha pamphilus* (Lin.). So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1949/50:81-82. Apr. 1951. 420 So8

69262 MCELVARE, R. R. New heliothid moth from northern California. Brooklyn Ent. Soc. B. 46:71-72. June 1951. 420 B79

New species in *Schinia*.

69263 MCLEOD, E. R. Sugaring for moths. Nat. Mag. 44:374-376. Aug./Sept. 1951. 409.6 N214

- 69264 MARSDEN, W. M. Albino *Vanessa cardui* (L.) (Lep.—Nymphalidae) at Guildford. Soc. Brit. Ent. J. 3: 247. Jan.12,1951. 420 En85J
- 69265 MICHAELIS, H. N. Notes on Tortricina and *Tinaelna* found in Cheshire. Ent. Rec. & J. Variation 63: 107-108. June 1951. 421 En89
- 69266 MÖLLER, H. Einige physikalisch-chemische Grundlagen zur Anwendung und technischen Verarbeitung von Mottenbekämpfungsmitteln. Seifen-Öle-Fette-Wachse 77:293-295. (Concl.) June 6,1951. 307.8 Se4
- Clothes moths.
- 69267 MORRIS, R. F., and BISHOP, R. L. A method of rapid forest survey for mapping vulnerability to spruce budworm [*Choristoneura fumiferana*] damage. Forestry Chron. 27:171-178. Ref. June 1951. 99.8 F7623
- 69268 MUNROE, E. G. The genus *Junonia* in the West Indies (Lepidoptera, Nymphalidae). Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1498, 16 p. Ref. Apr.3,1951. 500 N483N
- 69269 NADKERNY, N. T. A note on the diapause in pink bollworm [*Pectinophora gossypiella*] of cotton. Indian Cotton Growing Rev. 5:49-51. Jan.1951. 72.8 In23
- 69270 NARBEL-HOFSTETTER, M. La cytologie de la parthénogenèse chez *Solenobia* sp. (lichennella L.?) (Lépidoptères, Psychides). Chromosoma 4:56-90. Ref. 1950. 442.8 C46
- 69271 NICKLES, C. B. Notes on the life history and habits of the pecan nursery casebearer [*Acrobasis caryivorella*] in Texas. J. Econ. Ent. 44:433-434. June 1951. 421 J822
- 69272 NIEL, L. L. Resumen de los ensayos realizados en el control de orugas varias del maíz. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:37-39. 1950. 59.9 P41
- Cirphis unipunctata*, *Laphygma frugiperda*, *Thyreion gelotoporon*, and *Heliothis armigera*.
- 69273 NORDSTRÖM, F. *Pieris brassicae* on migration. (In Swedish.) Ent. Tidskr. 72:79-80. 1951. 421 En891
- German summary.
- 69274 OLTHOF, J. Some *Neptis hordonia* subspecies from Indonesia. (Lep. Nymphalidae). Organ. Sci. Res. Indonesia. O. S. R. P. 32:97-98. 1951. 330.9 Or30
- 69275 ORFILA, R. N. Las especies argentinas de "Prepona" Boisd. (Lep. Nymph.). Mus. Argentino de Clen. Nat. "Bernardino Rivadavia." Rev. Clen. Zool. 1: 273-321. Ref. 1950. 410.9 B862
- 69276 PARDI, L. The first processes in the development of the fertilized egg of the tetraploid parthenogenetic race of *Solenobia triquetrella* F.R. (Lepidoptera-Psychidae). (In Italian.) Chromosoma 4:103-147. Ref. 1950. 442.8 C46
- German summary.
- 69277 PATEL, R. M. Control of the cotton semi-looper [*Tarache notabilis*] in Baroda State. Mysore. Indian Cotton Growing Rev. 5:44-48. Jan.1951. 72.8 In23
- 69278 PENCE, R. J., and EBELING, W. Orange-worms on avocados. Calif. Avocado Soc. Ybk. 35:101-104. 1950. 81 C128
- Argyrotaenia citrana* and *Holcocera iceryaella*.
- 69279 PETROSIAN, F. G. The results of testing DDT in controlling grape leaf roller [*Polychrosis*]. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:497-504. 1950. 20 Er4
- 69280 PLOEGER, P. L. Migration of *Pieris brassicae* L. at Texel. (In Dutch.) Ent. Ber. 13:254. Apr.1, 1951. 420 N38B
- English summary.
- 69281 POSTAL, M. Un mode d'hivernage inattendu de la tordeuse orientale [*Grapholitha molesta*] et du carpocapse [*Carpocapsa pomonella*]. Tarn-et-Garonne Agr. 14: 89-90. May 1951. 14 T17
- 69282 PROBST, K. Der heu- und sauerwurm. Landwirtschaft 1951:200-201. June/July 1951. 19 L235
- Clytia ambiguella* and *Polychrosis botrana*.
- 69283 RABAUD, E. Note sur *Coleophora nutentella* Mühl. (Lépidoptère Coleophoridae). Feuille des Nat. (n.s.) 6:8. Jan./Feb.1951. 410 F432
- 69284 RAWSON, G. W., and HESSEL, S. A. The life history of *Strymon cecrops fabricius* (Lepidoptera, Lycaenidae). Brooklyn Ent. Soc. B. 46:79-84. June 1951. 420 B79
- 69285 REICH, H. Die obstbaum-miniermotte [*Lyone-tia clerkella*]. Obstbauversring. Mitt. 1950:112-115. Oct. 1/15,1950. 85 J76
- 69286 REID, W. Experiments with light in Yorkshire. Ent. Rec. & J. Variation 63:108-109. June 1951. 421 En89
- Lepidoptera collecting.
- 69287 REMINGTON, C. L., and others. The field season summary of North American Lepidoptera for 1950. Lepidopterists' News 4:85-107. 1950. 421 L554
- Introduction, by C. L. Remington; Southwest, by L. M. Martin; Northwest, by J. C. Hopfinger; Rocky Mountains, by D. Eff; Great Plains, by D. B. Stallings; Central, by P. S. Remington, Jr.; Southeast, by R. L. Chermock; Northeast, by E. G. Munroe; Far North, by T. N. Freeman.
- 69288 REZENDE, J., and DANTES, J. G. Immunization in the treatment of cottonseed for control of pink bollworm [*Pectinophora gossypiella*]. (In Portuguese.) Rev. dos Mercados 2(6):51-54. Feb.1951. 286.8 R328
- 69289 RILEY, N. D. The monarch butterfly. Science 114(2951):75-76. July 20,1951. 470 Sci2
- Substitution of *Papilio plexippus* for *Danaus plexippus* by International Commission on Zoological Nomenclature.
- 69290 RINDGE, F. H. A change in synonymy in *Drepanulatrix* (Lepidoptera, Geometridae). N. Y. Ent. Soc. J. 59:63-64. Mar.1951. 420 N48J
- 69291 ROBB, J. The seasonal incidence of the codling moth (*Cydia* [i.e. *Carpocapsa*] *pomonella* L.) in the Manawatu. New Zeal. J. Sci. & Technol. A. Agr. Res. Sect. 31(5):15-22. Feb.1950. 514 N48A
- 69292 ROSBACO, U. F. Conservación del maíz con chala. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Maíz 5:153-154. 1950. 59.9 P41
- Protection from attacks of *Sitotroga cerealella* and *Sitophilus* spp.
- 69293 RUTSCHKY, C. W. DDT emulsion controls earworms [*Heliothis armigera*]: other insecticides prove promising. Sci. Farmer [Pa. Sta.] 1951:10. June 1951. 100 P381
- 69294 SCHULHOFF, C., and SCHULHOFF, E. Life cycle of codling moth [*Carpocapsa pomonella*] or common apple worm. Green Thumb [Denver] 8(7):23. July 1951. 80 G82
- 69295 SEILER, J., and GESSNER, B. Die automiktischen Vorgänge im Ei der tetraploid parthenogenetischen *Solenobia triquetrella* F. R. (Psychidae, Lepid.). Chromosoma 4:91-107. Ref. 1950. 442.8 C46
- 69296 SEN, A. C. Control of *Agrotis* pest by cultural operations. (Abs.) Indian Sci. Cong. Proc. 36(3):191. 1949. 513 In22
- 69297 SINGH, M. P. Pest control work in Mokameh Tal. Indian Farming 11:336-339. Aug.1950. 22 In283
- Agrotis ypsilon*.
- 69298 SKOGSBORG, J. *Depressaria impurella* Tr. (Lep. Tin.) new to Sweden. (In Swedish.) Ent. Tidskr. 72:75-76. 1951. 421 En891
- English summary.
- 69299 SMITH, C. E., and HARRISON, P. K. Studies of arsenical residues on cauliflower. J. Econ. Ent. 44:318-321. June 1951. 421 J822
- Insecticides used for caterpillar control.
- 69300 SMITH, E. H. Peach tree borers [*Sanninoidea exitiosa*]-orchard enemies. Rur. New-Yorker 101:394, 400. June 16,1951. 6 R88
- 69301 SPAWN, G. B. Steps in corn borer [*Pyrausta nubilalis*] control. S. Dak. State Col. Agr. Ext. L. 135, 4 p.-folder. May 1951. 275.29 So85E
- 69302 SPERRY, J. L. Geometrid notes. South Calif. Acad. Sci. B. 50:50-54. Jan./Apr.1951. 500 So8
- Chlorosea nevadaria* Packard; *Snorochlamys hesperia* sp.n.; *Drepanulatrix ella* Hulst; *Snowia waltonaria* Sperry.
- 69303 STEINHAUS, E. A. Possible use of *Bacillus thuringiensis* Berliner as an aid in the biological control of the alfalfa caterpillar [*Colias philodice eurytheme*]. Hilgardia 20:359-381. Ref. Feb.1951. 100 C12H
- 69304 SUSSMAN, A. S. Studies of an insect mycosis. I. Etiology of the disease. Mycologia 43:338-350. Ref. May/June 1951. 450 M99
- Aspergillus* on *Hyalophora cecropia*.
- 69305 SWEZEY, O. H. *Tinea despecta* Meyrick, a hitherto unrecorded case-moth in Hawaii (Lepidoptera: Tineidae). Hawaii. Ent. Soc. Proc. 14:313-314. 1950, pub. Mar.1951. 420 H312
- 69306 TIRELLI, M. First observation on the appearance of *Phlyctaenodes* [i.e. *Loxostege*] *sticticalis* in the vicinity of Rome. (In Italian.) Riv. Fitosanit. 2(4):24. Jan.1951. 464.8 R522
- 69307 TOXOPEUS, L. J. On the collecting localities of some Linnaean types (Lepidoptera, Rhopalocera). Organ. Sci. Res. Indonesia. O. S. R. P. 28:53-74. Ref. 1951. 330.9 Or30
- I, *Papilio* (*Graphium*) *sarpedon* L. (1758); II, *Papilio* (*Atrophaneura*) *ascanius* L. (1768); III, Butterflies from Noord Eyland [near Sumatra].

- 69308 TROUVELOT, B., and others. Problèmes soulevés par la présence prolongée de la processionnaire du chêne (*Cnethocampa* [i.e. *Thaumetopoea*] processionnea L.). Acad. d'Agr. de France. Compt. Rend. 37:311-314. May 9/16, 1951. 14 P215Bc
- R. Berthon, E. Billotti, and P. Grison, joint authors.
- 69309 TURNER, N. Relation between sugar content of corn and infestation and survival of the European corn borer [*Pyrausta nubilalis*]. J. Econ. Ent. 44:307-309. June 1951. 421 J822
- 69310 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Amendment of pink bollworm [*Pectinophora gossypiella*] quarantine and regulations. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-Q. 52,6 p. May 29, 1951. 1 F31
- 69311 VIETTE, P. Sur quelques noctuelles australiennes décrites par Guenée. Rev. Franç. d'Ent. 18:101-104. 1951. 421 R323
- Mamestra spp., Hadena spp.
- 69312 WAIBEL, C. King Cotton. Border Scope 3(6): 10-11. June 1951. 6 B64
- Program to control *Pectinophora gossypiella*.
- 69313 WASSER, H. B., and STEINHAUS, E. A. Isolation of a virus causing granulosis in the red-banded leaf roller [*Argyrotaenia velutinana*]. Va. J. Sci. (n.s.) 2: 91-93. Apr. 1951. 470 V81
- 69314 WHIPP, A. A., and CHAPMAN, R. K. Control of the variegated cutworm [*Peridroma margaritosa*] on red beets with DDT and chlordane sprays. J. Econ. Ent. 44:430. June 1951. 421 J822
- 69315 WOODROFFE, G. E. A life-history study of *Endrosis lactella* (Schiff.) (Lep. Oecophoridae). B. Ent. Res. 41:749-760. Ref. Apr. 1951. 421 B87
- 69316 WOODRUFF, N. Control of cutworms and aphids on tobacco. J. Econ. Ent. 44:322-324. June 1951. 421 J822
- Toxaphene and chlordane for cutworms; DDT and parathion for aphids.
- 69317 WRESSELL, H. B. The European corn borer [*Pyrausta nubilalis*] and its control in sweet corn. Canada. Sci. Serv. Div. Ent. Processed P. 104,5 p. May 1951. 423.92 C16P
- 69318 WRIGHT, D. W., GEERING, Q. A., and DUNN, J. A. Varietal differences in the susceptibility of peas to attack by the pea moth, *Laspeyresia nigricana* (Steph.). B. Ent. Res. 41:663-677. Apr. 1951. 421 B87
- 69319 YOTHERS, M. A. Oriental fruit moth [*Grapholitha molesta*] investigations in the Yakima district in 1950. Wash. State Hort. Assoc. Proc. 46:37-39. 1950. 81 W273
- 69320 ZACHER, F. Vorratsschädlinge in der bäuerlichen wirtschaft. Gesunde Pflanzen 3:66-69. Apr. 1951. 64.8 G33
- Sitophilus granarius*, *Nemapogon granella*, and *Tinea secalella*.
- 69321 ZHUKOVSKII, A. V., and SELIVANOVA, S. N. Peculiarities of the biology of stem moth [*Ochsenheimeria* sp.], a pest of winter wheat plantings and cereal fodder grasses. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(2):32-34. 1951. 20 Akl
- 69322 ZIMMERMAN, E. C. A new Protulacis from Kauai (Lepidoptera: Pyraustinae). Hawaii. Ent. Soc. Proc. 14:337-340. 1950, pub. Mar. 1951. 420 H312
- See also Sericulture and the Silkworm.
- 69328 CHAUDHURI, S. P. R., and MANNA, G. K. On the behaviour of a supernumerary chromosome in the chromosome complex of some individuals in the natural population of the grasshopper, *Aiolopus* sp. (Acrididae). (Abs.) Indian Sci. Cong. Proc. 36(3):154. 1949. 513 In22
- 69329 CHIN, C. T. High temperature coefficient of enzymic activity of the muscle of the American cockroach, *Periplaneta americana*. Arch. Biochem. & Biophys. 31: 333-335. Apr. 1951. 381 Ar2
- 69330 CORKINS, J. P. Are you grazing grasshoppers? Mont. Wool Grower 20(7):7. July 1951. 45.8 M762
- Range pests in Montana.
- 69331 DARCHEN, R. Sur le géotropisme de *Blattella germanica*. Soc. de Biol. Compt. Rend. 145:380-381. Mar. 1951. 442.9 P21
- 69332 FULTON, B. B. The seasonal succession of orthopteran stridulation near Raleigh, North Carolina. Elisha Mitchell Sci. Soc. J. 67:87-95. June 1951. 500 EL4
- 69333 GOODWIN, T. W., and SRISUKH, S. Biochemistry of locusts. 6-7. Biochem. J. 49:84-87. June 1951. 382 B52
6. The occurrence of a flavin in the eggs and of a pterin in the eyes of the African migratory locust (*Locusta migratoria migratoriolides* R. & F.) and the desert locust (*Schistocerca gregaria* Forsk.); 7. A note on the effect of breeding temperature on the carotenoid content of locusts (the African migratory locust *Locusta migratoria migratoriolides* R. & F. and the desert locust, *Schistocerca gregaria* Forsk.).
- 69334 GRAYSON, J. M. Response of the German cockroach [*Blattella germanica*] to sublethal concentrations of DDT and benzene hexachloride. J. Econ. Ent. 44: 315-317. June 1951. 421 J822
- 69335 GRÉGOIRE, C., and FLORKIN, M. Blood coagulation in arthropods. I. The coagulation of insect blood, as studied with the phase contrast microscope. Physiol. Compar. et Oecologia 2:126-139. Ref. Dec. 30, 1950. 444.8 P56
- Studies on *Gryllulus domesticus* (= *Acheta domestica*) and *Carausius morosus*; with preliminary observations on *Forficula auricularia*, *Blaps gigas*, and *Aeshna grandis*.
- 69336 GUISCAFRE-ARRILLAGA, J. Nueva plaga en El Salvador, el grillo haitiano del café [*Chremom repentinus*]. Café de El Salvador 21:173-175. Mar. 1951. 68.28 C112
- 69337 HINCKS, W. D. Tachycines asymamorus Adelung in Cheshire (Orth. Gryllacrididae). Soc. Brit. Ent. J. 3:249. Jan. 12, 1951. 420 En85J
- 69338 JUDD, W. W. The proventriculus of some locusts of the family Eumastacidae (Orthoptera) with reference to its use in taxonomy. Canad. J. Zool. 29: 219-223. June 1951. 470 C16D
- 69339 MONASTERIOS R., H. El grillo lapa [*Scapteriscus* sp.?] y su control. Agr. Venezol. 15(149):43. Jan./Feb. 1951. 9.95 Ag8
- 69340 MORETTI, G. New means of controlling grasshoppers. (In Italian.) Humus 7(2):31-32. Feb. 1951. 16 H88
- 69341 NOLTE, H. W. Die kapselvergilbung des mohns; eine gallwespe [*Timaspis papaveris*] als neuer deutscher mohnschädling. Z. f. Pflanzenkrank. (Pflanzen-path.) u. Pflanzenschutz 58:89-92. Mar./Apr. 1951. 464.8 Z3
- 69342 PATEL, G. A. Locusts, their activity and control, with particular reference to Bombay State. Poona Agr. Col. Mag. 41:256-269. Feb. 1951. 22 P79
- Schistocerca gregaria*, *Locusta migratoria* and *Patanga succincta* spp.
- 69343 RIPLEY, S. H., and EWER, D. W. Peripheral inhibition in the locust. Nature [London] 167:1066-1067. June 30, 1951. 472 N21
- 69344 ROSAS COSTA, J. A. Acerca de un interesante desove de Acrididae (Orthoptera: Caelifera, Acridoidea). Arthropoda 1:381-382. Oct. 16, 1950. 421 Ar7
- Egg masses of *Cyrtacanthacrinae* on *Eryngium*.
- 69345 THOMSON, A. G. New phase in war on locusts. New Commonwealth 22:14. July 1951. 280.8 C88
- 69346 WILLEMSE, C. Gnathoclitia vorax (Stoll), a little known pseudophyllid from Dutch Guiana (Orthoptera). Arthropoda 1:239-245. Oct. 16, 1950. 421 Ar7
- 69347 YEAGER, J. F., and MUNSON, S. C. Blood volume of the roach *Periplaneta americana* determined by several methods. Arthropoda 1:255-265. Oct. 16, 1950. 421 Ar7
- 69348 YORK, G. T., and PRESCOTT, H. W. Determination of grasshopper control from insecticide treatments in field-plot tests. J. Econ. Ent. 44:427-428. June 1951. 421 J822

ORTHOPTERA

- 69323 BENEDETTI, E. Neuroacoustic potentials produced by supersonic in some Orthoptera. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:741-743. Apr./May 1950. 442.8 So12
- Experiments with *Sphynxnotus* and *Locusta*.
- 69324 CALABY, J. H. Adenosine triphosphate from insect muscle. Arch. Biochem. & Biophys. 31:294-299. Ref. Apr. 1951. 381 Ar2
- Gastrimargus musculus*.
- 69325 CHAUDHURI, S. P. R., and MANNA, K. K. Effect of cold treatment on the frequency of non-homologous chromosome association in the grasshopper, *Catantops trisinterzonatus* (Acrididae). (Abs.) Indian Sci. Cong. Proc. 36(3):154. 1949. 513 In22
- 69326 CHAUDHURI, S. P. R., and MANNA, G. K. Multiple sex-chromosomes and their determinate disjunction in the gryllid, *Euscyrus* sp. (Abs.) Indian Sci. Cong. Proc. 36(3):153. 1949. 513 In22
- 69327 CHAUDHURI, S. P. R., and BOSE, I. Nucleic acid cycle and the time of division of the heterochromatic sexchromosome of the grasshopper, *Attractomorpha* sp. (Acrididae). (Abs.) Indian Sci. Cong. Proc. 36(3):153. 1949. 513 In22

SERICULTURE AND THE SILKWORM

- 69349 ARSEN'EV, A. F., and BROMLEI, N. V. The chemical composition and buffer capacity of intestinal fluid of caterpillars of oak and mulberry silkworms [*Antheraea pernyi* and *Bombyx mori*]. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(2):25-31. 1951. 20 Ak1
- 69350 BOUNHIOL, J. J. Voltinisme expérimental (suppression de la diapause) imposé à plusieurs générations successives de *Bombyx mori* L. Acad. des Sci. Compt. Rend. 232:2360-2362. June 18, 1951. 505 P21
- 69351 TONON, A. Reduce the costs of cocoon production. (In Italian.) Agr. Romagn. 10:1. May 20, 1951. 16 Ag828
- Bombyx mori* breeding.

SMALLER ORDERS

- 69352 ALLEN, N. N., and DICKE, R. J. The effect of clipping on the population of chewing lice (*Bovicola bovis*) on dairy heifers. (Abs.) J. Dairy Sci. 34:499. June 1951. 44.8 J822
- 69353 BANKS, N. Notes on some New England Phryganeidae (Trichoptera). Psyche 58:20-22. Mar. 1951. 421 P95
- New species in *Banksiola*; also *Neuronla* (*Neuronella*) n. sgen.
- 69354 BARNHART, C. S. A new silverfish [*Ctenolepisma campbelli*] of economic importance found in the United States (*Thysanura*: *Lepismatidae*). Ohio J. Sci. 51: 184-186. July 1951. 410 Oh3
- 69355 BURR, M. On the Dermaptera of Palestine. Ent. Rec. & J. Variation 63:121-122. June 1951. 421 En89
- 69356 CARPENTER, F. M. The structure and relationships of *Oliarces* (Neuroptera). Psyche 58:32-40. Ref. Mar. 1951. 421 P95
- 69357 CARVALHO, E. L. DE. Contributions to a knowledge of the Strepsiptera of Portugal (note II). (In Portuguese.) Coimbra. U. Mus. Zool. Mem. e Estud. 201,7 p. 1950. 410.9 C66
- French summary.
- 69358 CHAUDHURI, S. P. R., and DAS GUPTA, J. The chromosomes in three species of Indian dragonflies. (Abs.) Indian Sci. Cong. Proc. 36(3):155. 1949. 513 In22
- Rhyothemis variegata*, *Brachydiptax sobrina*, and *Neurothemis tulia tulia*.
- 69359 CHRISTIANSEN, K. A. Notes on Alaskan Collembola. I. A new genus [*Weberacantha*] and species of the family Isotomidae. Psyche 58:24-31. Mar. 1951. 421 P95
- 69360 CORBET, P. S. The emergence and sex ratio of *Anax imperator* Leach (Odon., Aeshnidae). Ent. Mon. Mag. 87:176-179. June 1951. 421 En86
- 69361 CUNHA, A. X. DA. Contribution to the study of the Protura fauna of Portugal. (In Portuguese.) Coimbra. U. Mus. Zool. Mem. e Estud. 200,14 p. Ref. 1950. 410.9 C66
- French summary.
- New species in *Eosentomon* and *Acerentulus*.
- 69362 DUFAY, C. Nouvelle capture en France de *Perlamantis alliberti* Guer. (Dictyopt.). Soc. Ent. de France. B. 55:150. Dec. 1950. 420 F84B
- 69363 FRASER, F. C. The entomological fauna of the New Forest. II. Order Neuroptera. Soc. Brit. Ent. J. 3:225-235. Jan. 12, 1951. 420 En85J
- 69364 HARKER, J. E. Australian Ephemeroptera. I. Taxonomy of New South Wales species and evaluation of taxonomic characters. Linn. Soc. N. S. Wales. Proc. 75: 1-34. Ref. 1950. 514 Sy2
- Includes new species in: *Atalophlebia*, *Deleatidium*, *Baetis*, *Atopopus*, and *Leptophlebia*.
- 69365 HOPKINS, G. H. E. Notes on fleas. Ann. & Mag. Nat. Hist. (ser. 12):4529-544. June 1951. 410 An77
- Plocopsylla ulysses*, sp. n.; The status of two forms of *Craneopsylla*; The type species of *Ctenophthalmus* Kolenati, 1856; Notes on the genus *Peromyscopsylla*, including a new species; The identity of *Peromyscopsylla hamifer markworthi* Hubbard [= *P. h. hamifer*]; A new subgenus of *Nearctopsylla* [Hollandiana].
- 69366 KIMMINS, D. E. Two new species of East African Neuroptera. Entomologist 84:136-139. June 1951. 421 En8
- In *Semidalis* and *Ancylopteryx*.
- 69367 LANPHERE, H. The flea and me. Wagging Tail 5(12):4-5. May 1951. 48.8 W12
- 69368 LIEFTINCK, M. A. Notes on Malaysian Prodasineura with descriptions of two new species from Borneo and a key to the blue-coloured species (Odon., Protoneuridae). Organ. Sci. Res. Indonesia. O. S. R. P. 29:74-83. 1951. 330.9 Or30
- 69369 LIEFTINCK, M. A. Results of the Archbold Expeditions. No. 64. Odonata of the 1948 Archbold Cape York Expedition, with a list of the dragonflies from the peninsula. Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1488,46 p. Ref. Mar. 1, 1951. 500 N483N
- Includes new species and forms in *Lestes*, *Phasmosticta* n.g., and *Orthetrum*.
- 69370 LUSCHER, M. Termiten und holzschutz gegen termiten. Holz 5:37-39. Feb. 1951. 99.82 H743
- 69371 MACAN, T. T. The taxonomy of the British species of Siphonuridae (Ephem.). Hydrobiologia 3:84-92. Jan. 2, 1951. 410 H992
- 69372 MACGREGOR, W. D. The protection of buildings and timber against termites. Gt. Brit. Dept. Sci. & Indus. Res. Forest Prod. Res. B. 24,41 p. 1950. 99.9 G796B
- 69373 MATTHEY, R. La formule chromosomique et le type de digamétie chez *Bittacus italicus* Müll. (Mecoptera). Schweiz. Gesell. f. Vererbforsch. Jahresber. 10: 607-619. Ref. 1950. 443.9 Sch9
- 69374 MOORE, S., III, and SWEETMAN, H. L. Chicken lice control. Poultry Indus. [Boston] 56:12-13. July 1951. 47.8 N44
- 69375 NEEDHAM, J. G. Dragonflies—rainbows on the wing. Natl. Geog. Mag. 100:215-229. Aug. 1951. 470 N213
- 69376 NOLTE, H. W. Die bedeutung der witterungsfaktoren, der nahrungqualität und der feinde für entwicklung und vermehrung des läärchenblasenfusses (*Taeniothrips laricivorus* Krat.). Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.):5:52-54. Mar. 1951. 464.9 N11
- 69377 OTTO, H. Harvester ants [*Hodotermes mossambicus*] don't like water; simple control method discovered on Free State Farm. Farmer's Wk. [Bloemfontein] 81:10-11,13. Apr. 25, 1951. 24 F225
- Subsoil plowing.
- 69378 POOS, F. W., and others. Tests with benzene hexachloride for the control of insects attacking peanuts, 1946-1949. U. S. Bur. Ent. & Plant Quar. E-820,16 p. May 1951. 1.9 En83
- T. N. Dobbins, E. T. Batten, and G. M. Boush, joint authors.
- Frankliniella fusca* and *Diabrotica undecimpunctata howardi*.
- 69379 PUECH, J. Invasions de puces. Feuille des Nat. (n.s.):6:16. Jan./Feb. 1951. 410 F432
- Outbreak of *Ctenocephalides felis* at Strasbourg.
- 69380 RIEK, E. F. A fossil mecopter from the Triassic beds at Brookvale, N.S.W. Austral. Mus. Rec. 22:254-256. Jan. 27, 1950. 514 Au7
- In *Choristopanorpa* n.g.
- 69381 ROSAS COSTA, J. A. Catalogo de Protura (Insecta, Apterygota: Entotropha). Arthropoda 1:327-356. Ref. Oct. 16, 1950. 421 Ar7
- 69382 ROSS, E. S. A new species of Embioptera from Oceania. Hawaii. Ent. Soc. Proc. 14:307-310. 1950, pub. Mar. 1951. 420 H312
- In *Oligotoma*.
- 69383 SALMON, J. T. Keys and bibliography to the Collembola. Victoria U. Col. Zoology P. 8,82 p. Jan. 1951. 410.9 V66
- 69384 SAWYER, F. E. Variations on the mayfly [Ephemera] theme; there are three species of natural insect and countless tyings of the artificial. Field 197:689. May 5, 1951. 10 F45
- 69385 SCOTT, M. J. Trichonodosis; report of a case. A. M. A. Arch. Dermat. & Syph. 63:769-771. June 1951. 448.8 Ar242
- Knots in pubic hairs associated with presence of nits (*Phthirus pubis*?).
- 69386 SLOAN, M. J., and RAWLINS, W. A. Field trials in onion thrips [*Thrips tabaci*] control. J. Econ. Ent. 44:294-301. Ref. June 1951. 421 J822
- Tests with a variety of insecticides.
- 69387 SYMS, E. E. Notes on British snake-flies [Raphidiodea]. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1949/50:176-178. Apr. 1951. 420 So8
- 69388 TIRELLI, M. Observations on termite damage in Italy and control methods. (In Italian.) Riv. Fitosanit. 2(4):6-13. Jan. 1951. 464.8 R522

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 69389 BALL, C. E. New ideas in pond construction. Farm & Ranch-South. Agr. Upper So. Ed. 81(6):16. June 1951. 6 T31
- 69390 DERMINE, E., and PAQUES, M. Reparlons un peu des explosifs. Fruit Belge 19:17-21,43-45. Feb.-Mar. 1951. 80 F9493
- 69391 ESKEW, R. K. The engineer and his pilot plant. U. S. D. A. Ybk. 1950/51:41-43. 1 Ag84Y
- 69392 HASS, H. Fire in the hay mow? Not if you take these precautions. Iowa Bur. Farmer 15(7):6-7. July 1951. 275.293 Iowa
- 69393 HOTCHIN, E. E. Michigan farm fire insurance companies, State college and electric operating companies work together in fire safety programs. (Extr.) Farm Electr. 5(3):11-13. May/June 1951. 335.8 F224
- 69394 LAMY, J. L'irritante question des accidents du travail. Tribune Agr. (n.s.)44(803):1. Apr.15,1951. 24 T732
Algeria.
- 69395 LEGUILLIER, H. Avant tout, dans chaque ferme des détecteurs, des extincteurs—et de la vigilance! In Confédération Générale de l'Agriculture. Guide national de l'agriculture française, p.214,216. Paris,1950. 33.17 C762
Fire prevention.
- 69396 MARTIN, O. Unfälle und deren verhütung bei elektrischen anlagen. Landwirtsbl. Weser-Ems 98:567-568. June 28,1951. 18 L2345
- 69397 MEAD, R. M. Fish for the farm pond. Rur. New-Yorker 101:395. June 16,1951. 6 R88
- 69398 MOORE, A. C. Are you insured against fire at present-day values? Poultry [London] 109:8. July 3,1951. 47.8 P869
- 69399 NATIONAL SAFETY COUNCIL. Accident facts, 1951 edition. Chicago,1951. 96 p. 289.69 N21
Includes report of farm accidents.
- 69400 PALMER, R. W., and SULLIVAN, W. Planning a small farm home. Calif. Agr. Col. Ext. C. 168,19 p. Dec.1950. 275.29 C12C
Farm layouts.
- 69401 PARRY, R., and JENKINS, W. R. An elementary text book on land surveying. Ed. 6. London, Estates Gaz.,1950. 260 p. 325 P24
- 69402 PEART, C. K., and CHRYST, W. Farm accidents—who's liable? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:181-182. June 1951. 275.28 I094
- 69403 RATLIFF, P. Farm fire safety inadequate. Hoosier Farmer 36(7):21,31. July 1951. 280.82 H76
- 69404 SMITH, J. G. Grass fires can be licked. Are dry pastures a hazard on your ranch? Try this method. Texans are using it to beat the menace. They call it the Lipscomb plan. West. Live Stock 36(7):18-19,96-98. Feb.1951. 49 W523
Lipscomb County Fire Control Association.
- 69405 STEELE, J. C. Haying and harvesting safely. Nebr. Farmer 93(12):14-15. June 16,1951. 6 N27
- 69406 STEENBERG, V. One ought to be careful when one is making silage in tower silos. (In Danish.) Dansk Landbr. 70:280-281. June 21,1951. 280.28 V91
Accidents.
- 69407 TURNER, A. W. Engineering in agriculture—today and tomorrow. Cotton Gin & Oil Mill Press 52(14):20,52-54,56. July 7,1951. 304.8 C822
- 69408 WEBSTER, F. L. Fire fighters unite for mutual aid; promote interest in fire fighting protection for rural homes and villages throughout the country and standardization of all equipment. New Eng. Homestead 124(13):6,8. July 14,1951. 6 N442
- 69409 ZIPPELIUS, H. Die bodenlockerung im obst-, land- und weinbau durch das sprengverfahren. Ed. 2, rev. Stuttgart, Ulmer, 1950. 52 p. (Grundlagen und Fortschritte im Garten- und Weinbau. Heft 63) 58 Z65
- 69411 BERGLUND, N. H., and ANIANSSON, G. Farm machinery on the exhibition in Hamburg 1951. (In Swedish.) Lantmannen 35:498-501. June 23,1951. 11 L234
- 69412 BERGLUND, N. H., and ANDERSSON, Y. Maskinlära för lantbruksundervisningen [Handbook in mechanics for agricultural students]. Ed. 7, rev. Stockholm, LT:s Förlag, 1951. 318 p. 58 B45M
- 69413 BJERNINGER, S. Transportation on the farm in the United States. (In Swedish.) Lantmannen 35:477-479,497-498. June 16-23,1951. 11 L234
- 69414 BRAUNS, M. Praktische geräte für den bauernhof. Tech. f. Bauern u. Gärt. Ausg. A 3:149-150. (To be cont.) Mar.10,1951. 58.8 T223
- 69415 BRENNER, M. Die grosse aufgabe der landmaschinen-industrie. Tech. f. Bauern u. Gärt. Ausg. G 2:184-185. Apr.25,1950. 58.8 T223G
Germany
- 69416 CABICO, F. Does farm mechanization pay? Plowman 7(4):40. Apr.1951. 276.8 P72
Philippines.
- 69417 CARILLON, R. Impressions de voyage aux Etats-Unis: une leçon de simplicité. Motorisation Agr. 6:60-63,65. Feb.1951. 58.8 M85
Mechanization.
- 69418 CERTAINES, E. DE. La motorisation; facteur important de la productivité agricole. Motorisation Agr. 6:82-83,85,87. Feb.1951. 58.8 M85
- 69419 CLOUIN, H. Le centre de mécanique agricole du Neubourg. In Confédération Générale de l'Agriculture. Guide national de l'agriculture française, p.108,110,112. Paris,1950. 33.17 C762
- 69420 CORPUS, F. Farm mechanization and the small farmers. Plowman 7(4):54. Apr.1951. 276.8 P72
Philippines.
- 69421 DAVIES, C. The royal show. 1. Power farming in the Eastern Counties. Power Farmer 7:41-42,45. July 1951. 58.8 P872
- 69422 DEMAILLAT, F. Nous avons vu en action le plus récent matériel de culture betteravière. J. de la France Agr. 7:1577,1582-1583. June 15/21,1951. 14 J829
- 69423 DENCKER, C. H. Normung vor weittragender entscheidung. Landtechnik 6:396-398. June 15,1951. 58.8 L235
- 69424 DUATIN, A. Machines that help the farmer. Plowman 7(4):60,74. Apr.1951. 276.8 P72
Philippines.
- 69425 EBERTZ, K. Der exakte landtechnische überblick. Landtechnik 6:422-424. June 30,1951. 58.8 L235
Germany
- 69426 EWING, J. T. Machinery co-ops. Country Guide 70(6):9,40. June 1951. 7 G76
Canada.
- 69427 FACHGEMEINSCHAFT LANDMASCHINEN. Die künftige entwicklung des landmaschinenabsatzes im Bundesgebiet; marktanalytische untersuchung der Fachgemeinschaft Landmaschinen im VDMA, Frankfurt/Main. Landtechnik 6:424-435. June 30,1951. 58.8 L235
- 69428 FARM IMPLEMENT buyers' guide; supplement to Farm Implement & Machinery Review. No. 6, 1951/52. Woodford Green, Essex, Wilding, 1951. 284 p. 225 F228
- 69429 GONÇALVES, P. A. Sale of agricultural machinery. Competition. (In Portuguese.) Lav. Arroz. 5(52):25,27. Apr.1951. 59.8 L39
- 69430 GRUBER, H. Die landmaschine als unentbehrlicher helfer. Allg. Bauern-Ztg. 6(19):3. May 12,1951. 19 K142
Austria.
- 69431 HEILMAN, J. Mecanización agrícola. Inst. Agr. Nac. B. 20(9):3-13. Feb.1951. 281.9 C17
Venezuela.
- 69432 HENDERSON, J. German designers forge ahead. Power Farmer 7:32-33. July 1951. 58.8 P872
- 69433 HERING, W. Tiere oder maschinen? Eine kritische betrachtung der tierschau der DLG-ausstellung 1951. Bauern Ztg. 4(23):4. (To be cont.) June 8,1951. 18 B324
- 69434 HIGGS, C. Rise of English agriculture determined mainly by farm mechanization. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(43):8-9. June 15, 1951. 281.8 Ag3
- 69435 KRIEBEL, M. Was sehen wir uns auf der maschinenschau in Hamburg an? Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:767-768. May 24,1951. 18 L2346
- 69436 LÖHR, L. Steigerung der arbeitsproduktivität oder auch ernährungssicherung durch die landmaschine? Allg. Bauern-Ztg. 6(19):4. May 12,1951. 19 K142
Austria.
- 69410 BANDINI, M. How agricultural mechanization must be developed with the reform. (In Italian.) Terra e Sole 1951:211-212. June 1951. 16 T273
Italy.

FARM MACHINES AND EQUIPMENT

- 69437 MCHARDY, D. N., and FARMER, S. Power farming is worth while; recent attempts to depreciate the value of farm machinery on the land are statistically answered. *Power Farmer* 7:24-30. July 1951. 58.8 P872
- 69438 MARAMBA, F. D., and CRUZ, S. R. Researches in the development of agricultural machinery, implements and structures. *Philippine Agr. Engin. J.* 1:161-163. Fourth Q. 1950. 58.8 Ag88
- 69439 MARCHAL, H. Évolution de la motoculture en France. *Motorisation Agr.* 6:58-59. Feb. 1951. 58.8 M85
- 69440 MAYNE, J. E. Mechanization in Trinidad; progress and prospects. *Brit. Farm Mech.* 3:140-142. Apr. 1951. 58.8 B772
Chiefly sugarcane industry.
- 69441 MEINDL, G. Landmaschinen und -vorführung auf der Wiener Frühjahrsmesse 1951. *Landwirtschaft* 1951:174-176, 208-210. (Cont.) May-June/July 1951. 19 L235
- 69442 MEYER, H. Die motorisierung der landwirtschaft und die kraftstoffpreise. *Landtechnik* 6:436-437. June 30, 1951. 58.8 L235
- 69443 MIGNOTTE, F. Choses vues à la Foire de Paris. *Agriculture [Paris]* 15:135. May 1951. 14 Ag823
Equipment.
- 69444 MITTLERE neuwerte und durchschnittliche Nutzungsdauer landwirtschaftlicher maschinen und geräte. Ed. 2. Ratzeburg, "Pflug und Feder," 1950. 40 p. 284.3 M693
- 69445 MOWERY, A. S., CLYDE, A. W., and OLIVER, E. F. An elevator for handling chopped forage. *Pa. Agr. Expt. Sta. Prog. Rpt.* 44.4 p. Mar. 1951. 100 P381P
- 69446 POLAK, E. The state of the agricultural mechanisation in the world. (In Czech.) *Českoslov. Akad. Zeměděl. Věst.* 25:42-51. Apr. 1951. 19.5 C332
- 69447 PRINZ, H. Allgäuer heuwerbung im lichte der motorisierung. *Allgäuer Bauernbl.* 19:272-273. May 17, 1951. 18 AL53
- 69448 REYNOLDS, P. A. Welsh hill machinery trials. *Power Farmer* 7:57-58. July 1951. 58.8 P872
- 69449 RIES, L. W. Ziele und wege der mechanisierung des bäuerlichen betriebes. *Landwirt. Jahrb. f. Bayern* 28 (spec.no.):148-157. Apr. 1951. 18 L24
- 69450 ROBERTS, J. A. Chargeurs de foin secs et de foin verts. *Agriculture [Montreal]* 8:32-34. Spring 1951. 7 Ag82
- 69451 SCARSETH, G. D. The farmer, machines and freedom. *Nation's Agr.* 26(7):7. July/Aug. 1951. 280.82 B89
- 69452 SCHERUGA. Die motorisierung des bauernbetriebes. *Landwirtschaft* 1951:176-179, 210-213. (Cont.) May-June/July 1951. 19 L235
Austria.
- 69453 SPICKA, A. The use of mechanisation in the plant production from the point-of-view of agrobiology. (In Czech.) *Českoslov. Akad. Zeměděl. Věst.* 25:52-55. Apr. 1951. 19.5 C332
- 69454 STAHR, A. An inexpensive loader. *Org. Farmer* 2(12):22-23. July 1951. 57.8 Or3
Manure.
- 69455 STEINMETZ, H. Kleine hilfen für stall und hof. *Deut. Landwirt. Presse* 74:147. June 2, 1951. 18 D482
Farm equipment.
- 69456 STUDER, W. Bauer und landtechnik. *Schweiz. Landwirt. Monatsh.* 29:192-201. June 20, 1951. 17 Sch93
- 69457 THEBIS, R. Der landmaschinenfachhandelsbetrieb in der Sowjetzone. II. *Tech. f. Bauern u. Gärt. Ausg. A* 3:148. Mar. 10, 1951. 58.8 T223
- 69458 TODNEM, O. Barn hoist makes the work easier. (In Norwegian.) *Produsenten* 19:9, 13-15. May 1951. 11 P94
- 69459 VOIGT, O. Die landmaschine am jahresanfang. *Landmasch.-Rundschau* 3:1-2. Jan. 1951. 58.8 L237
- 69460 WAECHTER, VON. Landtechnik als bindeglied. *Landtechnik* 6:309-310. May 1951. 58.8 L235
- 69461 WOLFF-VORBECK, E. Normung als wirtschaftliches problem. *Landmasch.-Rundschau* 2:245-246. Dec. 1950. 58.8 L237
- 69462 ZNAMENSKIY, N. N. To speed up the output of machines for work mechanization in vineyards. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(12):40-41. Dec. 1950. 95.8 V77
- 69463 BELL, C. E., JR. Profit by using creepers. *South. Livestock J.* 10(12):34. July 1951. 43.8 F68A
- 69464 BLAKELY, R. M. Community nests. *Canada. Dept. Agr. P.* 857, 7 p. Mar. 1951. 7 C16Pu
For laying hens.
- 69465 BRESSLER, G. O. Hand feeding layers made easy; floor feed boxes with chutes can cut feeding time and travel distance in smaller flocks. *Poultry Tribune* 57(7):11, 24. July 1951. 47.8 P8642
- 69466 CLAYDON, T. J. Selective sanitizing effect of dilute lye solutions as shown by recovery of *Streptococcus lactis* types of bacteria from lye-treated teat cup liners. (Abs.) *J. Dairy Sci.* 34:480. June 1951. 44.8 J822
- 69467 DIMMITT, T. K. Problems and progress of infra-red brooding. *Farm Electr.* 5(3):8-10. May/June 1951. 335.8 F224
- 69468 ENRIGHT, T. R. Flush washing of the milking machine. *Dairy Goat J.* 29(7):6. July 1951. 40.18 M592
- 69469 FRICK, G. E., and WEEKS, S. B. When to hire and when to own farm equipment on New England dairy farms. *N. H. Agr. Col. Ext. C.* 302, 11 p. Mar. 1951. 275.29 N45C
- 69470 GALE, F. T. "Doubling up" of milking machine units. *So. Austral. Dept. Agr. J.* 54:402, 405. Mar. 1951. 23 So84
- 69471 GRIFFITHS, G. C. Self-feeders for sows and litters, Longerenong Agricultural College, Victoria. *Dept. Agr. J.* 49:153-155. Apr. 1951. 23 V86J
- 69472 HOLLERICH, R. Ist die melkmaschine schuld? *Osterr. Milchwirt.* 6:6-8. Jan. 7, 1951. 44.8 Os72
Milk losses.
- 69473 HORN. Melkmaschine und berufsmelker. Bl. f. den Melker, p. 3. In *Unser Milchvieh. Ausg. B/C* 3(1). Jan. 1951. 43.8 Un72
- 69474 HUDDLESTON, R. Pacific Union College tries overhead feeding. *West. Dairy J.* 7(8):28, 30-31. June 1, 1951. 44.8 W524
Cattle feeding equipment.
- 69475 JENSEN, J. M., and MURRAY, D. L. Keeping your milking machine clean. *Mich. State Col. Agr. Ext. Folder F-159*, 6 p. 1951? 275.29 M58Ex
- 69476 KINZELBACH, W. Zur technik des maschinenmelkens. *Württemb. Wchnbl. f. Landwirt.* 118:504-505. June 23, 1951. 18 W96
- 69477 KNOPFF. Melkmaschine oder nicht? *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:857-858. June 7, 1951. 18 L2346
- 69478 MATOS, G. Lo que se hace en avicultura y lo que deberia hacerse: implementos que se usan en avicultura. *Mensajero Agr.* 53/54:42-43, 50. (To be cont.) 1950. 9.8 M52
- 69479 VAN CLEVE, R. Broiler factory; machines replace men in mass producing of broilers. *Ill. Agr. Assoc. Rec.* 29(6):11-13. June 1951. 6 IL62
- 69480 WESTERBERG, K. W. Silage cafeteria style. *Stock & Dairy Farmer* 38(11):3-4. Mar. 1951. 6 N8195

Cultivation and Tillage Equipment

- 69481 ALOI, L. Discussion on tractors and plows; the turning over of the furrow. (In Italian.) *Glor. di Agr.* 61:189. June 17, 1951. 16 It1G
- 69482 BURCHARD, K. Pflüge. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:34-47. 1950. 18 K96
Tractors.
Includes discussion.
- 69483 DIEDRICH. Beziehungen zwischen anbauort des hackgerätes, sichtsverhältnissen des schleppers und der leistung des anbauhackgerätes. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:100-111. 1950. 18 K96
Includes discussion.
- 69484 FOX, L. Level it off, make more rice. *Prog. Farmer, Miss.-Ark.-La. Ed.* 66(7):19. July 1951. 6 So81
Land-leveling operations and equipment in Louisiana rice fields.
- 69485 GALLWITZ, K. Untersuchung über den einfluss der schnittgeschwindigkeit des fräswerkzeugs auf die krümelbildung im boden. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:60-63. 1950. 18 K96
- 69486 GLIEMEROTH. Die aufbruchsarbeit des lockerungsschars des zweischichtenpflugs. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:58-60. 1950. 18 K96
- 69487 LOEWEL, E. L. Bodenbearbeitung in busch- und spinelbusch-anlagen mit schlepper und scheibenegge. *Obstbauversring. Mitt.* 1950:101-102. Sept. 1/15, 1950. 85 J76
- 69488 MACKIE, J. W. Construction of graded banks with the angle dozer. *N. S. Wales. Soil Conserv. Serv. J.* 7:50-56. Jan. 1951. 56.9 N472
- 69489 MONNEY, C. R. Labourage et battage électriques. *Culture* 29:9. May/June 1951. 14 C894

Animal Husbandry Equipment

- 69463 BELL, C. E., JR. Profit by using creepers. *South. Livestock J.* 10(12):34. July 1951. 43.8 F68A
- 69464 BLAKELY, R. M. Community nests. *Canada. Dept. Agr. P.* 857, 7 p. Mar. 1951. 7 C16Pu
For laying hens.

- 69490 ØSTBY-DEGLUM, H. Are there possibilities for an increased root crops culture? Mechanized root crop thinning. (In Norwegian.) Norsk Landbr. 17:239-240. June 22, 1951. 11 N8122
- 69491 STOLL, W. Anforderungen an neue schlepperhackgeräte. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 11:94-99. 1950. 18 K96
- 69492 SYCHEV, P. P. Again on the mechanization of digging up [grape] transplants. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):38-39. Dec. 1950. 95.8 V77
- 69493 WEATHERFORD, M. T. Engineers aren't farmers & vice versa. Utah Farmer 71:580,592. July 19, 1951. 6 D45
- Development of tillage implements and suggestions for improving them.
- 69494 ZÖDLER, H. Zwischenfruchtbestellung in einem arbeitgang. Landtechnik 6:437-438. June 30, 1951. 58.8 L235

Fertilizer and Seed Distributors

- 69495 ANDREWS, W. B., NEELY, J. A., and EDWARDS, F. E. Equipment for storage and application of anhydrous ammonia. Miss. Farm Res. [Miss. Sta.] 14(4):4-6. Apr. 1951. 100 M69M1
- 69496 FEIX, H. Gülleanlagen und gülleberechnung. Osterr. Landtech. 3:260-263. Oct. 1950. 58.8 L236
- 69497 FOLTINEK, H. Wie bewähren sich kartoffelgemaschinen? Osterr. Landtech. 3:255-258. Oct. 1950. 58.8 L236
- 69498 HEIDENREICH, H. Maschinen und geräte für die stallmistwirtschaft. Landtechnik 6:439-442. June 30, 1951. 58.8 L235
- 69499 SIMBRIGER, F. Kunstdüngerstreuen - ein arbeitseingpass. Landmasch.-Rundschau 2:247. Dec. 1950. 58.8 L237
- 69500 SMITH, N. M. A fertilizer distributor adaptation. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:97. Jan. 1, 1951. 65.9 Q3C
- 69501 SUMNER, D. C., and KEPNER, R. A. Range seeder with scrapers. Impl. Rec. 48(8):28-29. July 1951. 58.8 Im73

Harvesting Equipment

- 69502 CASHMORE, W. H. Adelantos en la cosecha mecánica de las papas. Mensajero Agr. 53/54:36-37. 1950. 9.8 M52
- 69503 DICKINS, D. Alpine hayfields; a picture story of the hay harvest in the Alps. Milk Indus. 32:52-57. July 1951. 44.8 M593
- 69504 GIENGER, G. W., and CARPENTER, R. W. Combine adjustments. Md. Agr. Col. Ext. Fact Sheet 31, 4 p. July 1951. 275.29 M36Fa
- 69505 HACHERO, L. E. The horizontal fruit picker. Philippine Agr. Engin. J. 1:142-146. Fourth Q. 1950. 58.8 Ag88
- 69506 HERBSTHOFER, F. Ein zweiter mähbalken beim mähdrescher. Osterr. Landtech. 3:264-265. Oct. 1950. 58.8 L236
- 69507 KRIEBEL, M. Mechanisierte heuernte. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:929-930. June 21, 1951. 18 L2346
- 69508 MCCLELLAND, J. Arizona county agent demonstrates cotton picking machines. Better Farming Methods 23(8):30. Aug. 1951. 58.8 B46
- 69509 MCCUEN, G., and JOHNSON, W. H. Better combining improves wheat quality. Ohio Farmer 207 (12):3,30. June 16, 1951. 6 Oh3
- 69510 MACHWIRTH, O. Der graszettler: eine neuartige heuerntemaschine. Bas-Rhin. Agr. 6:208. May 5, 1951. 14 B29
- 69511 MALLOCH, A. C. Outillage pour le râtelage et le séchage du foin. Agriculture [Montreal] 8:25-31. Spring 1951. 7 Ag82
- 69512 MARTIN, J. W., and HUMPHREY, E. N. The Idaho potato harvester. Idaho. Agr. Expt. Sta. B. 283, 24 p. June 1951. 100 Id1
- 69513 MILLER, W. F. Power mower check up. Flower Grower 38(7):12. July 1951. 80 M72
- 69514 NIEUWENHUIJSE, L. Self binder or mower-thresher machine. (In Dutch.) Zeeuwisch Landtbl. 39 (2073):6. June 2, 1951. 12 Z2
- 69515 POZZI, E. Mechanical cutting of forages. (In Italian.) Terra e Sole 1951:231,233. June 1951. 16 T273
- 69516 RAIÀ, N. Management of labor in agriculture; the baskets best adapted to potato harvesting. (In Italian.) Agenzia Romana Note e Inform. Agr. 28:7. Apr. 24, 1951. 281.8 Ag3
- 69517 RILOVA GARCÍA, F. Mejoras en las máquinas agrícolas; la rueda motriz de las segadoras. Agr. Buralés 18(197):4-6. May 1951. 15 Ag86

- 69518 RUSCA, R. A., and BENNETT, C. A. Problems of machine picking [of cotton]. U. S. D. A. Ybk. 1950/51: 441-444. 1 Ag84Y
- 69519 SIMPSON, I. G. A study in the costs of operating combine harvesters and one man pick-up balers in Yorkshire, 1950. Leeds U. Farmers' Rpt. 95,15 p. Mar. 1951. 281.9 L51
- 69520 SINCOCK, R. L. His tube replaces picking bag. Oreg. Farmer 74:516-517. July 19, 1951. 6 Or32
- A canvas fruit picking tube.
- 69521 TALLENTS, SIR S. To mow with a scythe; an introduction, for those still strangers to it, into "the most delightful summer art of the countryside." Field 197: 957-958. June 16, 1951. 10 F45
- 69522 WHITE, J. W. L'outillage pour le fauchage du foin. Agriculture [Montreal] 8:22-24. Spring 1951. 7 Ag82
- 69523 ZIMMER, S. J. A machine to pick raspberries! Fruit-Grower 2896:1171. June 28, 1951. 80 F941

Land Clearing Equipment

- 69524 BOGGESE, L. Brush eradication on the King Ranch. Cattleman 38(2):23,30. July 1951. 49 C29
- Includes equipment.
- 69525 RITSCHER, K. Geräte für grabenräumung. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 11:144-155. 1950. 18 K96
- On tractors.
- 69526 SMITH, N. M. A tractor driven pusher blade. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:106. Jan. 1, 1951. 65.9 Q3C
- For small-scale bulldozing.

Processing Equipment Used on the Farm

- 69527 AMACKER, G. A., and SCANLAN, J. J. Plans and operations of farm and small commercial poultry dressing plants. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 147,53 p. Dec. 1950. 166.3 M68
- Facilities and equipment.
- 69528 BAREISS, G. Zweitageheu—qualitätsheu! Württemb. Wchnbl. f. Landwirt. 118:469-470. June 9, 1951. 18 W96
- 69529 BARGER, E. L. Mechanization of haymaking and storage. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages. p.549-563. Ames, 1951. 60 H87
- 69530 COOPER, D. J. Les hacheuses mobiles. Agriculture [Montreal] 8:35-39. Spring 1951. 7 Ag82
- For forages.
- 69531 CRISTEL, J. P. R. Le séchage artificiel du foin en tasserie. Agriculture [Montreal] 8:48-54. Spring 1951. 7 Ag82
- 69532 CULPIN, C. Points of a ventilated bin drier. Farmer & Stock-Breeder 65(3217):73-74. June 19, 1951. 10 F228
- 69533 DELONG, H. H. The field baler—operation and costs. S. Dak. Agr. Expt. Sta. C. 87,15 p. Apr. 1951. 100 So82
- 69534 FINN-KELCEY, P. G. The possibilities of pre-drying grass with cold air. Brit. Farm Mech. 3:134-136. Apr. 1951. 58.8 B772
- 69535 GILLIARD, R. Le séchage du maïs. Génie Rur. 44:193-195. June 1951. 58.8 Au8
- 69536 GILMAN, W. Hayin' is easier done this way. East. States Coop. 27(7):7. July 1951. 280.28 Ea7
- 69537 IVANCHENKO, I. MSS-1000 saman [ground straw] thresher. (In Russian.) Mashinno-Traktornafä Sta. 10(12):37-38. Dec. 1950. 58.8 M11
- 69538 JACK, H. W. Grain driers for southeast Asia. Philippine Agr. Engin. J. 1:153-156. Fourth Q. 1950. 58.8 Ag88
- 69539 KALBFLEISCH, W. Méthodes mécaniques de fenaison et d'ensilage. Agriculture [Montreal] 8:63-77. Spring 1951. 7 Ag82
- 69540 KLEIS, R. W. Hay crushing. Mich. State Col. Agr. Ext. Folder F-162,6 p. Apr. 1951. 275.29 M58Ex
- The hay crusher, and the effect of hay crushing on curing time and hay quality.
- 69541 KRIEBEL, E. Einen schritt weiter zum häckselhof. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:927-928. June 21, 1951. 18 L2346
- Straw chopping equipment at the DLG show in Hamburg.
- 69542 KÜHL, E. Erfahrungen mit dem schwedenreuter. Deut. Landwirt. Presse 74:89. Apr. 7, 1951. 18 D482

69543 LEES, A. B. Maquinaria para la explotación de la hierba. Agr. Venezol. 15(150):13-14. Mar./Apr. 1951. 9.95 Ag8

Grass drying equipment in England.

69544 LESPÉRANCE, R. Considérations régionales sur la fénaison et l'ensilage. Agriculture [Montreal] 8: 115-121. Spring 1951. 7 Ag82

69545 OLSON, E. A., PETERSEN, G. M., and YUNG, F. D. Hay curing with forced air. Nebr. Agr. Col. Ext. E. C. 735, 16 p. May 1951. 275.29 N272Ex

69546 PACKMAN, D. J. Field choppers. N. Y. Agr. Col. Farm Econ. 180:4707-4708. Apr. 1951. 280.8 C812

69547 REICHERT, W. Der häcksler als bauernmaschine. Osterr. Landtech. 3:258-260. Oct. 1950. 58.8 L236

69548 RIDDLE, K. L. Making hay while it rains. Heating, Piping & Air Cond. 23(7):133-137. July 1951. 291.8 H352

Drying equipment.

69549 RIGOLLET, M. D., and MORIN, M. Le battage à l'électricité en basse tension et son incidence sur les ouvrages de distribution d'un syndicat d'électrification. Génie Rur. 44:203-204. June 1951. 58.8 Au8

69550 ROY, P. É. Presses à foin. Agriculture [Montreal] 8:40-47. Spring 1951. 7 Ag82

69551 SCHNEIDER, A. Über ein vereinfachtes verfahren der gewinnung von kurkumensamen. Züchter 21:136-137. 1951. 442.8 Z8

69552 SCHULZE-LAMMERS, H. Zweckmässige heubodentrocknung. Neue Mitt. f. die Landwirt. 6:399-400. June 16, 1951. 18 N39

69553 SCOTTON, M. Maintenance, operation, and use of the thresher. (In Italian.) Terra e Sole 1951:215-216. June 1951. 16 T273

69554 SHERWOOD, E. M., and FARRALL, A. W. Electric coolers for maintenance of cream quality on the farm. Mich. Agr. Expt. Sta. Q. B. 33:406-411. May 1951. 100 M58S

69555 SNOW, B. V. A heyday for hay makers. Dairymen's League News 35(14):3,8-9. July 10, 1951. 44.8 D1432

Hay making equipment.

69556 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Machine for field decortication of kenaf, by V. C. Pettit. Manati, Cuba, 1951. 3 p. 1.943 M18

69557 U. S. RURAL ELECTRIFICATION ADMIN. Electric home pasteurizers. Rev. Washington? 1950. 9 p. 1.933 EL237

For milk and cream.

69558 VOGEL, S. L. Threshing barley for malting purposes. Barley Impr. Inst. Spec. B. 2, 7 p. June 1951. 59.9 B24

69559 WARD, J. Crush it and seal! Farmers Wk. [London] 34(26):59. June 29, 1951. 10 F2226

Machine used to crush grass and speed up drying.

69560 WESTERBERG, K. W. Self feeding hay cured with man made wind. Stock & Dairy Farmer 38(12):3-4. Apr. 1951. 6 N8195

69561 WIANT, D. E. Storage curing of baled hay. Racine, Wis., Case, 1951. 15 p. 60.1 W632

Repair, Maintenance, and Construction Equipment

69562 BRICKWOOD, H. The farm workshop; uses and abuses of nuts and bolts. Power Farmer 7:53,55. July 1951. 58.8 P872

69563 BRIGGS, O. Did you ever clean a gutter? Kraftsman, Prod. Ed. 9(3):12. May/June 1951. 44.8 K85

Stable equipment.

69564 CLAASSENS, J. W. A suitable wash-up sink for the dairy farm. Farming So. Africa 26:119-120. Apr. 1951. 24 So842

69565 FYSH, H. M. S. Every farmer can do his own welding. Farmer's Wk. [Bloemfontein] 81:43. June 13, 1951. 24 F225

69566 KLOSSE, E. Schweisstechische reparaturen in der landwirtschaft. Landmasch.-Rundschau 3:20,42. Jan.-Feb. 1951. 58.8 L237

69567 MEEK, W. E., and EWING, B. B. Alignment methods for agricultural equipment. (In Portuguese.) Fazenda 46(6):34-35. June 1951. 6 H11P

69568 SUBIRIA CARRILLO, J. Mecanización agrícola; la necesidad de usar un buen lubricante en agricultura. Mensajero Agr. 53/54:24-25. 1950. 9.8 M52

Spraying and Dusting Equipment

69569 ANDERSON, E. D. Modern sprays control costly pests. Amer. Farm Pict. 1951:1-2. Spring 1951. 6 Am396

69570 BLACK, D. T. High-clearance self-propelled canning corn sprayer. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Inform. Ser. 103, 22 p. Apr. 1951. 1.9 R5311

69571 COX, C. E., and WEAVER, L. O. Arranging and adjusting power sprayer booms and nozzles for controlling tomato diseases. Md. Agr. Col. Ext. Fact Sheet 26, 2 p. Apr. 1951. 275.29 M36FA

69572 DAVIDSON, A. M. Spraying tackle used by Peterhead Golf Club. Bd. Greenkeeping Res. J. 7:335-341. 1950. 60.19 B772

For weed control.

69573 DICKERSON, R. L., EDWARDS, F. E., and HAMNER, A. L. Low cost insecticide sprayer for small farms. Miss. Farm Res. [Miss. Sta.] 14(5):8. May 1951. 100 M69M1

69574 ELTON, J. W. Air-blast spraying. N. H. Hort. Soc. J. 14:95-96. 1951. 81 N452J

69575 GALLWITZ, Schlepper und pflanzenschutzgeräte. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 11:124-143. 1950. 18 K96

Includes discussion.

69576 HARONSKA. Pflanzenschutzgeräte-prüfung? Nachrbl. des Deut. Pflanzenschutzdienstes 2:156-157. Oct. 1950. 442.9 B832

69577 HIERHOLZER, O. Richtige düsenwahl bei verwendung von spritzgiften. Allg. Forstz. 6:241. May 30, 1951. 99.8 AL52

69578 LASNIER, G. G. Dans le verger, la pulvérisation sous forme concentrée. Terre de Chez Nous 23(20): 9. July 11, 1951. 7 T27

Equipment.

69579 LATTNER, E. J. Sprayer sales questions answered. Farm Impl. News 72(12):36-37, 73-75. June 25, 1951. 58.8 F22

69580 LATTNER, E. J. Spraying pays; county agents answer many sales questions in third annual sprayer survey. Farm Equip. Retailing 12:20,54,56,58. July 1951. 58.8 F2292

69581 MAYER-KRAPOLL, H. Technik in der kalkung Unser Wald 3(10):15. Oct. 1950. 99.8 Un7

69582 MORISON, G. A. Our experience with the liquid duster. N. H. Hort. Soc. J. 14:98-105. 1951. 81 N452J

69583 NEWCOMB, R. Spray equipment. Wash. State Hort. Assoc. Proc. 46:106-110. 1950. 81 W273

69584 SCHOBER, K. Österreichische maschinen und geräte zur schädlings- und unkrautbekämpfung im feldbau. Landwirtschaft 1951:192-195. June/July 1951. 19 L235

69585 SCHUMACHER. Anforderungen an pflanzenschutzgeräte und ihr derzeitiger stand. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 70:27-32. Feb. 1951. 410.9 G31M

Similar title in Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 58:96-100. Mar./Apr. 1951. 464.8 Z3

Vehicles

69586 ALOI, L. In the world of tractors and plows; two instruments to be brought into harmony. (In Italian.) Gior. di Agr. 61:149-150. May 13, 1951. 16 R1G

Lists the power of various types of tractor.

69587 ALVAREZ MERINO, M. El jeep, sustituye al caballo. Agr. Burgales 18(197):7-8. May 1951. 15 Ag86

69588 AMBROSINI, L. Again in the world of tractors and plows: two instruments to coordinate. (In Italian.) Gior. di Agr. 61:166. May 27, 1951. 16 R1G

69589 ARTHUR, J. H. Economical tractor operation. Bd. Greenkeeping Res. J. 7:350-355. 1950. 60.19 B772

69590 BOCK, G. Reifenprobleme. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 11:16-33. 1950. 18 K96

Includes discussion.

69591 BRENNER, W. G., and GAUS, H. Betrachtungen über schlepperlader. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 11:64-93. Ref. 1950. 18 K96

Includes discussion.

69592 BYRNE, R. J. Help your truck live longer. Grain Prod. News 4:6-7. June 1951. 286.81 G764

69593 CERTOT, P. A la recherche du "robot" agricole. Rustica 24:618-619. July 8, 1951. 14 R92

Garden tractors.

69594 CHEPURIN, V. S., and KOTELEVETS, F. P. To carry out efficiently the autumn-winter repair of tractors and machines. (In Russian.) Les i Step' 2(10): 64-69. Oct. 1950. 99.8 L565

69595 COUTIAUX, P. Tracteurs et chevaux; l'évolution vers le plein emploi des tracteurs aux U.S.A. et dans le monde peut guider l'agriculture française. Motorisation Agr. 6:75-78. Feb. 1951. 58.8 M85

- 69596 CRADOCK, T. H. "It won't start." The writer tells how blistered hands or a flattened battery can be avoided when dealing with a non-starting tractor engine. *Brit. Farm Mech.* 3:148-150. Apr. 1951. 58.8 B772
- 69597 CROSS, M. W. Farm tractors and attachments. *Massey Agr. Col. Sheepfarming Annu.* 3:153-155, 157, 159, 161, 163-165. Nov. 1950. 45.9 M38S
Includes discussion.
- 69598 DAUBNER, H. German tractors. *Übersee-Post* 8:8-14. June 1951. 286.8 Ub3
Types.
- 69599 DILLON, M. Changes in tractors. *Agr. Ireland* 8:160-161. July 1951. 10.5 Ag8
- 69600 EICHINGER, J. Schlepper-geräte und schlepper arbeitsmaschinen in der landwirtschaft; ergebnisse der schleppererhebung 1950. Bayern in Zahlen 5:118-120. Mar. 1951. 265 B34
- 69601 FEDTKE. Kuhanspannung und gemeinschafts-schlepper in drei kleinbetrieben. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:772. May 24, 1951. 18 L2346
- 69602 FONDARD, L. La détaxe des carburants. *Revue Agr.* 60:145-146. May 15, 1951. 14 R322
France.
- 69603 FRANKE, R. Zwecke und ziele der tagung. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:1-3. 1950. 18 K96
Discussions on tractors and tractor equipment.
- 69604 GONCHAR, A. I. Clinometer for mechanized terracing of plowed field. (In Russian.) *Les i Step' 2*(10): 75-77. Oct. 1950. 99.8 L565
Device attached to tractor.
- 69605 GUAY, B. Le tracteur sur la ferme. *Rev. d'Oka* 25:39-44. Mar./Apr. 1951. 7 Ok1
- 69606 HIGGINS, F. H. Diesel demand paces food drive; annual conferences of agricultural engineers of college and equipment manufacturers show stepped-up efficiency in machine buying in West. *Diesel Prog.* 17(6): 58-59. June 1951. 291.8 D56
Diesel tractors.
- 69607 JONES, F. First in the field. *Farmers Wk. [London]* 34(26):55. June 29, 1951. 10 F2226
The Ivel tractor.
- 69608 KIMBROUGH, E. A., JR., and GAINES, J. P. Study use of small tractors on upland farms. *Miss. Farm Res. [Miss. Sta.]* 14(5):6-7. May 1951. 100 M69Mi
Includes cost of operation.
- 69609 KITCHING, H. W. Clubs de jeunes pour l'entretien de tracteurs dans l'Ontario. *Agriculture [Montreal]* 8:18-21. Spring 1951. 7 Ag82
- 69610 KLEIST-KAMISSOW, K. VON. Mein muldenwagen. *Deut. Landwirt. Presse* 74:147. June 2, 1951. 18 D482
- 69611 KRIEBEL, M. Vorschau auf die schlepper-landtechnik in Hamburg. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:765-766. May 24, 1951. 18 L2346
- 69612 KURATORIUM FÜR TECHNIK IN DER LANDWIRTSCHAFT. Der schlepper und sein gerät; referate und diskussion der vom Kuratorium für Technik in der Landwirtschaft am 23. und 24. märz 1950 in Frankfurt/M. veranstalteten arbeitstagung. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:156 p. 1950. 18 K96
- 69613 LACOMBE, R. Le tracteur: son prix de revient. *Prog. Agr. et Vitic.* 1951:322-331. June 17/24, 1951. 14 P94
- 69614 LAMY, R. L'industrie des tracteurs français. In *Confédération Générale de l'Agriculture. Guide national de l'agriculture française*, p. 242, 244. Paris, 1950. 33.17 C762
- 69615 LEME, H. DE. A. Record books for agricultural tractors. (In Portuguese.) *Lav. Arroz.* 5(52):29-31. Apr. 1951. 59.8 L39
- 69616 MAKO. Die arbeitgeschwindigkeit der acker-schlepper. *Landtechnik* 6:398-400. June 15, 1951. 58.8 L235
- 69617 MATHER, J. W. Local oil co-ops prepared to serve farms. *News Farmer Coop.* 18(3):12-14. June 1951. 166.2 N47
Petroleum cooperatives.
- 69618 MEYER, F. Der neue "einmann-schlepper" der Ruhrstahl-A.-G. in Witten. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:776. May 24, 1951. 18 L2346
- 69619 MEYER, F. Schlepper auf der DLG-Ausstellung. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:930-931. (To be cont.) June 21, 1951. 18 L2346
- 69620 PETERSEN, E. Die einsatzmöglichkeiten des kriechganges in der landwirtschaft. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:112-123. 1950. 18 K96
Tractor applications.
Includes discussion.
- 69621 RAAB, J. Der einfluss der schlepperverwendung auf die arbeitskräfte, gespannthaltung und bodenbewirtschaftung; ergebnisse der schleppererhebung 1950. Bayern in Zahlen 5:115-118. Mar. 1951. 265 B34
- 69622 RANDOLPH, J. W., and DULL, E. M. Detachable pivot hitch for tricycle tractor. *Agr. Engin.* 32:383-384. July 1951. 58.8 Ag83
- 69623 RIXMANN, W. Zur entwicklung des krafthebers. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:48-53. 1950. 18 K96
On tractors.
Includes discussion.
- 69624 ROMON, H. Les tracteurs. *Nord. Agr.* 7(29):1. May 18, 1951. 14 N75
- 69625 ROUVEROUX, P. L'approvisionnement de l'agriculture algérienne en carburant. *Rev. Agr. de Afrique du Nord* 49:111-112. Feb. 9, 1951. 80 R326
- 69626 SCHROPP, A. K. M. Leistungssteigerung der schlepper durch umwandlung von schleppplast-energien in zusätzlichen hinter- oder vorder-achsdruck des schleppers. *Landmasch.-Rundschau* 2:252-254. Dec. 1950. 58.8 L237
- 69627 SIEBOLD, H. Stand der normung der acker-schlepper. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:4-15. 1950. 18 K96
Includes discussion.
- 69628 STROPPEL, T. Normung der anschlussmasse und der radfreiheit der räder luftbereifter ackerwagen. *Landtechnik* 6:401-404. June 15, 1951. 58.8 L235
- 69629 STROPPEL, T. Normung der ausrüstung luftbereifter ackerwagen. *Landtechnik* 6:401. June 15, 1951. 58.8 L235
- 69630 TAYLOR, J. W. R. "Air arm" in agricultural operations. *New Commonwealth* 22:17-21. July 1951. 280.8 C88
- 69631 THEBIS, R. Schlepper-triebwerke. *Tech. f. Bauern u. Gärt. Ausg. A* 3:134-135. Mar. 10, 1951. 58.8 T223
- 69632 VADÉ, S. Une tonne de paille + 3 tonnes de fumiers: 1 500 000 calories. *Vie à la Campagne* 40:108-110. Mar. 1951. 80 V67
Manure gas for tractor fuel.
- 69633 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Rules for Washington 4-H tractor operators contest. *Wash. State Col. Ext. Mimeog.* 1086, 6 p. July 1951. 275.29 W27Mi
- 69634 WEBB, E. G. Les tracteurs et la récolte des fourrages. *Agriculture [Montreal]* 8:13-17. Spring 1951. 7 Ag82
- 69635 WILMOWSKY, VON. Traktoritis? *Landtechnik* 6:394. June 15, 1951. 58.8 L235

FARM STRUCTURES AND RURAL HOUSING

- 69636 ESMAY, M. L., and GIESE, H. Wind damage to farm buildings. *Mutual Ins. B.* 38(5):8-11, 17-20. May 1951. 284.68 M983
- 69637 HECKL, R. Welche dachdeckung im gebirge? *Osterr. Landtech.* 3:263-264. Oct. 1950. 58.8 L236
- 69638 NAGEL. Was bauen wir heute in der landwirtschaft? *Bad. Landwirt. Wchnbl.* 118:354-355. June 9, 1951. 18 B142
Improved farm structures.
- 69639 RENBORG, U. Building costs have increased 30 to 40%. (In Swedish.) *Lantmannen* 35:439-440. June 2, 1951. 11 L234
- 69640 STALL, C. W. Keep accurate records—farm buildings must pay their way. *Hoosier Farmer* 36(7):42. July 1951. 280.82 H76
Costs and depreciation.
- 69641 TORP, A. Snow damage to service buildings. (In Norwegian.) *Norsk Landbr.* 17:221-224. June 8, 1951. 11 N8122
Chiefly on construction of buildings.

Animal Shelters and Animal Service Buildings

- 69642 ALLEN, N. N., and DUFFEE, F. W. A simple home-made stall for dairy calves. *Wis. Agr. Col. Ext. Spec. C.* 17, 18 p. Apr. 1951. 275.29 W75S
- 69643 BATES, D. W., and BOYD, L. L. Safe place for the bull. *Hoard's Dairyman* 96:537. July 10, 1951. 44.8 H65
Barn design.
- 69644 BELLING, B. Summer cleaning of the cow barn. (In Danish.) *Dansk Landbr.* 70:293-294. June 28, 1951. 280.28 V91
- 69645 BOYD, J. S., and NEWLAND, H. W. Hog house plans. *Mich. State Col. Agr. Ext. Farm Bldg. Ser. C.* 717, 8 p. June 1950. 275.29 M58Fa

- 69646 BURRESS, C. G., and SPRAGUE, D. C. An electric fan ventilation system for dairy stables. Pa. State Agr. Ext. Spec. C. 2,10 p. Oct.1950. 275.29 P382Sp
- 69647 CARSE, G. M. D., and MCKIE, D. L. Housing pigs for profit. Agr. Gaz. N. S. Wales 62:206-212. Apr.1951. 23 N472
- 69648 CENA, M. Record of the cooling power in a animal environment. (In Polish.) Med. Veter. 7:251-257 Ref. Apr.1951. 41.8 M463
English summary.
Temperature relations between inside and outside of buildings.
- 69649 CHOQUETTE, C. Pour ou contre la stabulation libre. B. des Agr. 47(6):22-23,64. June 1951. 7 B872
For cattle.
- 69650 DE FOREST, S. S. Loose housing means less labor. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 6: 3-6. July 1951. 275.28 I094
Dairy barns.
- 69651 ERB, R. E. Calves need: good care, fancy housing; near half of our farmers could provide better calf housing by knocking out one wall of the old barn. Utah Farmer 71:509,533. June 21,1951. 6 D45
- 69652 ERB, R. E., and MURDOCK, F. R. Open shed versus conventional housing for dairy calves. (Abs.) J. Dairy Sci. 34:503. June 1951. 44.8 J822
- 69653 ERB, R. E. Washington calves do well in open sheds. Hoard's Dairyman 96:502. June 25,1951. 44.8 H65
- 69654 FITZGERALD, O. A. Cutting the chicken chores. Oreg. Farmer 74:481,491. July 5,1951. 6 Or32
Housing and equipment.
- 69655 HILL, S. R. A consideration of the problems involved in ventilating the poultry laying house. Poultry Sci. 30:558-568. Ref. July 1951. 47.8 Am33P
- 69656 HOUCK, R., WILSON, W. O., and NEWLON, W. E. Cooling poultry houses. San Joaquin Val. Poultryman 22(1):11,17,22. June 1951. 47.8 Sa53
- 69657 HURST, H., and YOUNG, H. Dairy-minded Pulaski County uses cow "walk-through." Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(7):86. July 1951. 6 P945K
A walk-through milking parlor in Kentucky.
- 69658 JACKSON, M. E. New developments in poultry housing. Kans. Poultry News 7(6):4. June 1951. 47.8 K13
- 69659 JENNINGS, J. Converting a barn into a battery. Mod. Poultry Keeping 64:687,685. June 20,1951. 47.8 Eg3
- 69660 JOULE, T. L. Shelters and clean range are mighty important. Mo. Rur. 92(11):12-13. June 9,1951. 6 R8891
Poultry shelters.
- 69661 JUANA SARDON, A. DE. Higiene del gallinero. Bolsa de Com., Rosario. Rev. 39(942):13-17. Apr.15, 1951. 287 R71
- 69662 KULBACH, W. Noch einiges zum thema nerz schuppen! Deut. Pelztierzüchter 25:47-49. Mar.25,1951. 412.628 D48
- 69663 LARGENT, W. J. This layout fills the bill. Amer. Hereford J. 42(5):508-509. July 1,1951. 42.8 Am32
Barn and corral.
- 69664 LÓPEZ PALAZÓN, J. Conejares desmontables. Ganadería [Madrid] 9:171-174. Apr.1951. 49 G15
- 69665 MCLAGAN, J. R., and THOMSON, W. Effective temperature as a measure of environmental conditions for pigs. J. Agr. Sci. 40:367-374. Ref. Oct.1950, pub.June 1951. 10 J822
Includes discussion. Type and effect of housing.
- 69666 MELCHIOR, F. B., JR. Cooling poultry houses in Stanislaus County. Nulaid News 29(3):4-5. July/Aug. 1951. 47.8 N917
- 69667 MOFFETT, B. W. Modernized barns needed in north country. Farm & Gard. [Watertown] 1951:1,2. May 12,1951. 6 F234
- 69668 PETERSEN, N. Erfolgreiche schweinemast nur in gesunden ställen. Schweiz. Milchztg. 77:334-335. June 26,1951. 44.8 Sch92
- 69669 REED, C. H. Structures for self-feeding of hay and ensilage. Agr. Engin. 32:375,386. July 1951. 58.8 Ag83
- 69670 RODRÍGUEZ, I. Tipos de gallineros y sus accesorios. I-II. Agricultura [Madrid] 20:168-174,223-229. Apr.-May 1951. 15 Ag84
- 69671 RYAN, J. M. Planning paid out. Dakota Farmer 71(13):8. July 7,1951. 6 D14
Design and cost of a dairy barn.
- 69672 SANDFORD, J. C. Some solutions to the housing problem. Fur & Feather 114:359. June 7,1951. 49 F96
Designs for hutches.
- 69673 SCHAUS, R. Keep 'em cool this summer! West. Dairy J. 7(9):9-10. July 1951. 44.8 W524
Cattle shading.
- 69674 SCHULZ, W. G. Give your calves a chance. West. Dairy J. 7(8):53-54. June 1,1951. 44.8 W524
Housing and care.
- 69675 SMYTH, J. R. Poultry facts and figures. Maine Poultry Impr. Assoc. [Ybk.] 1951:77,79. 47.9 M282
Chiefly housing.
- 69676 SOUCEK, K. To the construction of the commonly-owned stables. (In Czech.) Českoslov. Akad. Zeměděl. Věst. 25:31-42. Apr.1951. 19.5 C332
- 69677 SOUTAR, D. S. New developments in poultry housing. (Extr.) Poultry Field 4(3):20-22. June 21,1951. 47.8 P8655
- 69678 STRAUCH, O. H. Bewegliche aufzucht. Deut. Wirtgeflügelzucht. 3:289. Mar.24, 1951. 47.8 D483
- 69679 TAYLOR, J. G., and OREM, M. T. Save more pigs with heat lamps. Purdue U. Agr. Ext. L. 318,2 p. 1951. 275.29 In2L
- 69680 TURNER, C. N. The dairy stable ventilation problem. Agr. Engin. 32:377-378. July 1951. 58.8 Ag83
- 69681 WILSON, W. O. Cooling poultry houses with water. San Diego Poultry J. 27(551):6,10. July 1951. 47.8 Sa52
- 69682 WINGARD, S. B. Protect your poultry from high temperatures. East. States Coop. 27(7):12-13. July 1951. 280.28 Ea7
Lowering temperature in the laying house and watering the poultry.

Farmhouses and Farmsteads

- 69683 BERGESEN, F. W. Labor houses are a good investment. U and I Cult. 11:11-13. Mar.1951. 66.8 U12
- 69684 GIMBEL, H. Küchenherd und kochplatz im bauernhaus. Osterr. Landtech. 3:268-272. Oct.1950. 58.8 L236
- 69685 HOBGOOD, P. Plain but pretty. Farm & Ranch-South. Agr. Upper So. Ed. 81(6):18. June 1951. 6 T31
Ranch-style farmhouse.
- 69686 LE SAUX, P. Manuel de la maison rurale. Rennes, Association des Amis de la Maison Paysanne, 1950. 103 p. 296 L562
- 69687 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Expansible farmhouses. U. S. D. A. L. 301,4 p. Apr.1951. 1 Ag84L
- 69688 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Southern farmhouses. U. S. D. A. L. 303,4 p. May 1951. 1 Ag84L
- 69689 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Homes for Washington farms. Plan number 4. Wash. State Col. Ext. C. 170,3 p. Mar.1951. 275.29 W27C
Have also Plan number 126, issued as C. 182,3 p.
- 69690 WICHES, H. E. Building on a shoestring. Utah Farmer 71:525. June 21,1951. 6 D45
Plan for a small farmhouse.
- 69691 WILLIS, E. What kind of houses do farm families want? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 6:6-8. July 1951. 275.28 I094

Greenhouses and Plant Service Buildings

- 69692 CONRAD, W. Die kinderstube unserer garten-gewächse. Landfrauenarbeit 1951:51-52. Feb.17,1951. 18 L2347
- 69693 KRÜSSMANN, G. Das vollautomatische gewächshaus; weitere nachrichten über den amerikanischen gewächshausbau. Tech. f. Bauern u. Gärt. Ausg. G 2: 198-199. Apr.25,1950. 58.8 T223G
- 69694 PEARSON, C. E. Joseph Paxton: father of the British glasshouse industry. Gt. Brit. Min. Agr. Agriculture 58:132-135. June 1951. 10 G79J

Materials and Methods

- 69695 DELPERÉE, R. Les tuyaux en polythène au service de l'agriculture, de l'industrie et de la construction. Ann. de Gembloux 57:94-98. Second Q.1951. 13 G28
- 69696 ECHAVARRI, L. Construcciones de adobes y de tierra apisonada. Pampa Argentina 24(279):17. Mar. 1951. 9 P19

- 69697 GROVES, D. E. Find many uses for metal buildings. Ohio Farmer 207(12):14-15. June 16, 1951. 6 Oh3
 69698 PATWARDHAN, N. K. Possibilities of earth as a building material in India. (Abs.) Indian Sci. Cong. Proc. 36(3):84. 1949. 513 In22
 Adobe and rammed earth.

Storage Structures

- 69699 ARMSTRONG, J. Silage goes underground. Wash. Farmer 76:511,534. July 19, 1951. 6 R151
 69700 CORDUKES, W. E. Types de silos. Agriculture [Montreal] 8:78-85. Spring 1951. 7 Ag82
 69701 HORAK, K. Schüttbodenreinigung. Landwirtsch. 1951:197-198. June/July 1951. 19 L235
 69702 HUBER, M. G., and GRIEBELER, W. L. A homemade wood stave silo. Oreg. State Col. Ext. B. 715, 31 p. Mar. 1951. 275.29 Or32B
 69703 JEAN-BLAIN, Silos et ensilages. Terre Marocaine 25:185-188. June 1951. 24 T44
 69704 KARSTAD, O. A simple silo elevator. (In Norwegian.) Norsk Landbr. 17:241. June 22, 1951. 11 N8122
 Discussion by H. Rotihaug, p. 241-242.
 69705 MCDONALD, L. Double duty silo. Kraftsman, Prod. Ed. 9(3):18. May/June 1951. 44.8 K85
 69706 PERKINS, A. E., and PRATT, A. D. A laboratory silo and its uses. J. Dairy Sci. 34:606-614. Ref. June 1951. 44.8 J822
 69707 STE-MARIE, J. A. Une expérience avec un silo fosse à Lennoxville. Agriculture [Montreal] 8:86-89. Spring 1951. 7 Ag82
 69708 SCHLUGA, N. Der tiertretsilos oder strohsilo. Kärntner Bauer 101:326-327. June 15, 1951. 19 K14
 69709 SCHROEDER, G. Der grünflügelzucht für den Kleintierhalter. Deut. Wirtgeflügelzucht. 3:294-295. Mar. 24, 1951. 47.8 D483
 Construction of pit silos.
 69710 SOUTAR, D. S., and GERRIE, W. A. G. Implement storage. Scot. Agr. 31:31-39. Summer 1951. 10 Sco82So
 Includes plans for implement sheds.
 69711 SOUZA JR., J. O. DE. Farmer's manual. I. (In Portuguese.) Soc. Rur. Bras. Rev. 31(366):32-41. May 1951. 9.2 B733
 Installment deals with soils and soils structure.

Walls and Fences

- 69712 FOOT, A. S., and LOVETT, J. F. Electric fencing. Gt. Brit. Min. Agr. & Fisheries, B. 147, 24 p. 1951. 10 G794B
 69713 FUSSELL, G. E. When first the fields were fenced. Farmers Wk. [London] 35:75,77. July 6, 1951. 10 F2226
 69714 GALLMAN, T. B., and ON, T. Y. J. Build a fence to withstand wet weather. Hawaii Farm & Home 14(6):16,19. June 1951. 25 H3191
 69715 NEWELL, P. F. Fence management. Live-stock Wk. 5(25):14. Apr. 26, 1951. 49 L753
 69716 YUNG, F. D. Electric fences keep 'em in. Nebr. Elect. Farmer 5(7):9,21. July 1951. 335.8 N27

FARM UTILITIES

Electricity and Electrification

- 69717 BEYMER, L. What electricity means to me. Farm Electrification 5(3):14-18. May/June 1951. 335.8 F224
 69718 BLAUSER, I. P. Farm electrification isn't experimental! but it was just 25 years ago. Ohio Farmer 208(2):3,33. July 21, 1951. 6 Oh3
 69719 BRAUN, D. Kilowatt, the farmer's cheapest hired hand. Iowa Agr. 50(2):7-8. May 1951. 6 Io9
 69720 CERNOWSKY, W. Die landwirtschaft und das neue starkstromwegerecht. Landwirtschaft 1951:154. May 1951. 19 L235
 Austria.
 69721 DALMASSO, A. Les lignes rurales en aluminium. Génie Rur. 44:205-206. June 1951. 58.8 Au8
 69722 DARAGON, J. L'électricité dans les exploitations agricoles. Chambre d'Agr. des Régions de Rabat, du Rharb et d'Ouezzan. B. 17:2545-2550. Feb. 1951. 24 C352
 69723 DUFFEE, F. W. Designing the farmstead for electrification. Edison Elect. Inst. B. 19:223-226,255. July 1951. 335.8 Ed4

- 69724 ELSEA, C. M. Cooperation promotes the growth of young citizens. (Excerpts.) Rur. Electrification 9(9):42. June 1951. 335.8 N21
 Electricity.
 69725 ERBACHER, W. Anwendung der elektrizität für kraftzwecke. Osterr. Landtech. 3:272-274. Oct. 1950. 58.8 L236
 69726 FOSHOLT, S. K. Illinois co-op builds modern plant. Diesel Power & Diesel Transportation 29(6):58-62. June 1951. 291.8 D562
 Illinois Rural Electric Company.
 69727 LODWICK, E. D. Rural development helps county program. Farm Electrification 5(3):3-5. May/June 1951. 335.8 F224
 69728 NEW BRUNSWICK. ELECTRIC POWER COMMISSION. Thirty-first annual report for the year ended October 31, 1950. Fredericton, 1951. 45 p. 335.9 N42
 Includes information on rural electrification.
 69729 NOVA SCOTIA. POWER COMMISSION. Thirty-first annual report for the twelve months period ended Nov. 30, 1950. Halifax, 1951. 129 p. 292.49 N85
 Includes reports of the Departments of Rural Electrification and Lands and Rights.
 69730 PATRICK, P. E. Safe electrical equipment for farm buildings. Bow'an Arrow, Prod. Ed. 7(4):3. July/Aug. 1951. 44.8 B672
 69731 RAMSEY, H. G. Poultry farm depends on co-op power supply. Rur. Electrification 9(10):23,60. July 1951. 335.8 N21
 69732 ROBERTS, W. S. REA program stymied by private utilities lobby. Ky. Elect. Co-op. News 4(7):5. July 1951. 335.8 K41
 69733 STERE, J. B. Training electric farm equipment dealers. Farm Electrification 5(3):21-24. May/June 1951. 335.8 F224
 69734 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Electricity can help boost farm output, by C. R. Wickard, G. E. Dillon, and M. E. Bliss. Washington, 1951. 1.914 R2R11
 69735 U. S. FEDERAL POWER COMMISSION. BUR. OF POWER. FORT WORTH REGIONAL OFF. Power market survey, Southwestern Region. I. Power requirements. Rev. ed. n.p., 1950. 98 p. 173 F34Pom
 Contains statistics for electricity requirements on farms.
 69736 VOGT, W. T. Electricity on the farm. So. Austral. Dept. Agr. J. 54:403-405. Mar. 1951. 23 So84
 69737 WARREN, L. S. Rural industry, co-op will help each other. Rur. Electrification 9(9):26-27. June 1951. 335.8 N21
 Electricity cooperatives as an aid to rural industry.
 69738 WICKARD, C. R. Getting down to fundamentals. Rur. Electrification 9(10):14-15. July 1951. 335.8 N21
 Rural electrification.
 69739 WICKARD, C. R. Power in the hands of the people. Washington, U. S. Rur. Electrification Admin., 1951. 5 p. 1.91 A2W63
 Address at dedication of the E. J. Stoneman generating plant, Cassville, Wis., July 14, 1951.
 Electric cooperatives.

Heating, Lighting, and Radiation

- 69740 ELFNER, J. S. An outdoor fireplace for picnics at home. Wis. Agr. Col. Ext. Spec. C. 18, 2 p. Apr. 1951. 275.29 W75S
 69741 KEPNER, R. A. Effectiveness of orchard heaters. Calif. Agr. Expt. Sta. B. 723, 30 p. May 1951. 100 C12S
 69742 PERGLAS, VON. Die landwirtschaft als gasanstalt. Deut. Landwirt. Presse 74:87. Apr. 7, 1951. 18 D482

Power Plants, Motors and Engines on the Farm

- 69743 CULLAR, J. Interchangeable power unit. Purdue Agr. 42(8):3,19. May 1951. 6 P97
 69744 HIGGINS, F. H. Arizona arising; handicaps of water shortage to grow crops, feed live stock and service burgeoning population overcome by dieselizing of agriculture, construction and freighting. Diesel Prog. 17(7):38-39. July 1951. 291.8 D56
 69745 PASSÈLÈGUE, G. Les moteurs agricoles. Paris, Hachette, 1951. 239 p. (Encyclopédie des Connaissances Agricoles) 58 P262
 69746 ROBINSON, G. A. Proper care is important in those motors. Okla. Rur. News 4(5):11. May 1951. 335.8 Ok4
 Electric motors.

Sewage and Waste Disposal

- 69747 BARRETO, G. B. Disposition of sewage in rural areas. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 26:202-211. Ref. Mar. 1951. 68.29 Sa63

Telephones

- 69748 BERTSCH, M. They needed a phone system and here's what they did about it. *Prairie Farmer*, Ill. Ed. 123(13):5. July 7, 1951. 6 P883B

Water Supply

- 69749 ANGSTER, H. C. Running water protects farm health. *Farmers Fed. News* 31(9):4,12. May 1951. 280.28 F225
- 69750 BUTTON, D. Make sure your well is safe—3 out of 4 are polluted. *Iowa Bur. Farmer* 15(7):24. July 1951. 275.293 Iowa
- 69751 ELAM, F. L. Are you drilling a well? *West. Dairy J.* 7(8):18-19,55-57. June 1, 1951. 44.8 W524
- 69752 ELAM, F. L. Are your pumps efficient? *West. Dairy J.* 7(8):69-70. June 1, 1951. 44.8 W524
- 69753 FISCHER-SCHLEMM, W. E., and SCHEFFTER, H. Prüfung einer kleinkraftpumpe. *Tech. f. Bauern u. Gärt. Ausg. A* 3:138. Mar. 10, 1951. 58.8 T223
- 69754 HORN, L. J. Safeguarding rural and urban health by sanitary engineering research. *Tex. Engin. Expt. Sta. News* 2(2):3-6. June 1951. 290.9 T31N
- Water supply and sewage disposal.
- 69755 JOHNSON, P. E. Farm water system; installing the farm water system. *Purdue U. Agr. Ext. L.* 329, 4 p. 1951. 275.29 In2L
- 69756 JOHNSON, P. E. Farm water systems; automatic air volume control. *Purdue U. Agr. Ext. L.* 311, 2 p. 1950. 275.29 In2L
- 69757 JOHNSON, P. E. Farm water systems; running water on the farm. *Purdue U. Agr. Ext. L.* 326, 2 p. 1951. 275.29 In2L
- 69758 JOHNSON, P. E. Pressure switches for farm water systems. *Purdue U. Agr. Ext. L.* 315, 2 p. 1950. 275.29 In2L
- 69759 LALLOY, M. L'élevation des eaux par le bélier hydraulique; description, principe du fonctionnement, limites d'emploi. *Génie Rur.* 44:200-202. June 1951. 58.8 Au8
- 69760 O'DONNELL, J. Running water spells profit to poultrymen. *Farmers Fed. News* 31(9):5,12. May 1951. 280.28 F225

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICSGENERAL

- 69761 ANDREWS, S. Die nahrungsmittellage in der welt. *Thalacker Ernähr.-Anz.* 4(20):4. May 16, 1951. 389.8 T32
- 69762 BIRT AND CO. Economic and financial survey of Australia (1949-1950). Sydney, 1951? 68 p. 280.8 Ec743
- Includes agricultural products.
- 69763 BRANNAN, C. F. Food and defense. Washington, U. S. D. A., Off. Sec., 1951. 13 p. 1.91 A2B73
- Talk at convention of National Restaurant Association, Chicago, May 10, 1951.
- 69764 BROWN, SIR F. Food and population, India's greatest internal problems. *New Commonwealth* 22:9-10. July 1951. 280.8 C88
- 69765 DEVLIN, S. Outlook for food and dairy companies in the second half. *Mag. Wall St.* 88:453-455,477-478. July 28, 1951. 286.8 M27
- 69766 FORBES, W. H. What will India eat tomorrow? *Atlantic* 188(2):36-40. Aug. 1951. 110 At6
- 69767 HARGIS, S. K. Independent laboratory solves many problems for all in food line. *Amer. Egg & Poultry Rev.* 12(6):22,24. June 1951. 47.8 Am38
- 69768 HOFFMAN, E. S. Food supplies and national incomes. *Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ.* 4:51-55. Apr. 1951. 281.9 Au73
- 69769 HOWLAND, J. A. Don't view scientific research as a luxury. *Canner* 113(2):12-13,16. July 14, 1951. 286.83 C16
- Food research.
- 69770 LOPEZ, F. What of our food problem? *Agr. & Indus. Life* 13(4):8,35,38. Apr. 1951. 25 Ag8
- Philippines.
- 69771 MCCOLLUM, W. W. Army's food problems. (Sum.) *Wholesale Grocer News* 26(4):18. July 1951. 286.83 W622
- 69772 MAYNARD, L. A., and NELSON, W. L. Foods of plant origin. In *American Medical Association, Council on Foods and Nutrition. Handbook of nutrition*, ed. 2, p. 619-636. New York, 1951. 389.1 Am352
- 69773 MRAK, E. M., and STEWART, G. F., eds. *Advances in food research*, v. 3. New York, Acad. Press, 1951. 518 p. Ref. 389 M87
- 69774 MURTI, V. N. Production and supplies of principal commodities in Indian Union during 1947-1949. *Reserve Bank India. B.* 5:87-100. Feb. 1951. 284.9 R31B
- 69775 1951 Chain Store Age grocer's manual. *Chain Store Age, Grocery Exec. Ed.* 27(7):83-196. July 1951. 286.28 C34
- Descriptions of food products.
- 69776 SOUZA, P. C. DE. The problem of human subsistence. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(366):28-29. May 1951. 9.2 B733
- 69777 STEVENS, H. Allergens of agricultural products. *U. S. D. A. Ybk.* 1950/51:82-83. 1 Ag84Y
- 69778 U. S. DEPT. OF AGRICULTURE. The year-book of agriculture, 1950/51; crops in peace and war. Washington, 1951. 942 p. 1 Ag84Y
- 69779 UNIVERSAL COOKERY AND FOOD ASSOCIATION. Members' handbook, 1951. London, 1951. 52 p. 389.9 Un333
- 69780 URRUTIA, A. Relation of homesteading to the food production campaign. *Agr. & Indus. Life* 13(4):19,27. Apr. 1951. 25 Ag8
- Philippines.
- 69781 WILDER, R. M., and KEYS, T. E. Foods for emergencies. In *American Medical Association, Council on Foods and Nutrition. Handbook of nutrition*, ed. 2, p. 653-675. Ref. New York, 1951. 389.1 Am352

ANALYSIS AND COMPOSITION

- 69782 ANDERSON, M. E., and WILLIAMS, H. H. Microbiological evaluation of protein quality. I. A colorimetric method for the determination of the growth of *Tetrahymena geleii* W. in protein suspensions. *J. Nutr.* 44:335-343. June 11, 1951. 389.8 J82
- 69783 ANSON, M. L., EDSALL, J. T., and BAILEY, K., eds. *Advances in protein chemistry*, v. 6. New York, Acad. Press, 1951. 549 p. 386.2 An8
- 69784 ANYAS-WEISZ, L., SOLMS, J., and DEUEL, H. Bestimmung und charakterisierung von pektinen mit hilfe von ionenaustauschern. *Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg.* 42:91-105. Ref. 1951. 389.9 Sw6
- 69785 BOULANGER, P., BISERTE, G., and SCRIBAN, R. Applications de la chromatographie de partage sur papier des acides aminés à la chimie végétale et à la chimie alimentaire. *Ann. de la Nutr. et de l'Aliment.* 5:149-171. Ref. 1951. 389.8 An73
- 69786 DANEHY, J. P., and PIGMAN, W. W. Reactions between sugars and nitrogenous compounds and their relationship to certain food problems. In *Mrak, E. M., and Stewart, G. F., eds. Advances in food research*, v. 3, p. 241-290. Ref. New York, Acad. Press, 1951. 389 M87
- 69787 DIEMAIR, W., and HÄUSSER, H. Künstliche farbstoffe und fermentreaktionen. I. *Z. f. Lebensmitl.-Untersuch. u. -Forsch.* 92:165-170. Mar. 1951. 384 Z39
- 69788 DIMLER, R. J. The chemist looks at starch. *U. S. D. A. Ybk.* 1950/51:129-135. 1 Ag84Y
- 69789 FELLEBERG, T. VON. Zur fluorbestimmung. *Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg.* 42:158-168. 1951. 389.9 Sw6
- 69790 FEVOLD, H. L. Food stability research at the Quartermaster Food & Container Institute. *Conf. Res. Proc.* 2:123-127. 1950. 50.9 C762
- 69791 FREEMAN, K. A. Report on coal-tar colors. *Assoc. Off. Agr. Chem. J.* 34:390-392. May 15, 1951. 381 As7
- 69792 GENEVOIS, L. Composition minérale des levures; échange d'ions minéraux et organiques chez les levures. *Rev. des Ferment. et des Indus. Aliment.* 6:88-96. June 1951. 390.08 R32
- 69793 HALVORSON, H. O. Factors affecting bacterial spore germination. *Conf. Res. Proc.* 2:51-59. 1950. 50.9 C762
- In food.
- 69794 HARRIS, K. L. Report on extraneous materials in foods and drugs. *Assoc. Off. Agr. Chem. J.* 34:348. May 15, 1951. 381 As7
- 69795 HART, F. L. Report on gums in foods. *Assoc. Off. Agr. Chem. J.* 34:360. May 15, 1951. 381 As7

- 69796 HOBSON, P. N., WHELAN, W. J., and PEAT, S. The enzymic synthesis and degradation of starch. XIV. Chem. Soc. J. 1951:1451-1459. June 1951. 382 L84J
- 69797 JANSEN, E. F., and BALLS, A. K. Enzymes in foods and in feeds. U. S. D. A. Ybk. 76-81. 1 Ag84Y
- 69798 JOHNS, C. K. Bacteriological analysis of edible gelatin. Food Res. 16:281-287. May/June 1951. 389.8 F7322
- 69799 KAHAN, S. Report on antioxidants. Assoc. Off. Agr. Chem. J. 34:236. May 15, 1951. 381 As7
- 69800 KENDALL, K. A. Inhibition of the proteolytic activity of trypsin by green plant extracts. (Abs.) J. Dairy Sci. 34:499-500. June 1951. 44.8 J822
- 69801 MACMASTERS, M. M. Starch is a number of materials. U. S. D. A. Ybk. 1950/51:125-128. 1 Ag84Y
- 69802 MOHLER, K. Über die chromatographische analyse auf filterpapier. Z. f. Lebensmitl.-Untersuch. u. -Forsch. 92:338-342. Ref. May 1951. 384 Z39
- 69803 MOSSEL, D. A. A., and WIT, S. L. Determination of the water content of foods. III. Analyt. Chm. Acta 5:63-67. Ref. Feb. 1951. 381 An1
- 69804 OAKLEY, M. Report on preservatives and artificial sweeteners. Assoc. Off. Agr. Chem. J. 34:341-343. May 15, 1951. 381 As7
- 69805 OSER, B. L. Gaging the toxicity of chemicals in foods. Chem. & Engin. News 29:2808-2812. July 9, 1951. 381 J825N
- 69806 SCHMALFUSS, H. Über die bestimmung von carotin. (Abs.) Z. f. Lebensmitl.-Untersuch. u. -Forsch. 92:270-271. Apr. 1951. 384 Z39
- 69807 SHINN, B. M., AMIS, A., and PETERSON, H. Taste test panel work. Conf. Res. Proc. 3:80-86. 1951. 50.9 C762
- Food.
- 69808 STREULI, H. Fehlerquellen bei polarimetrischen messungen. Mitt. aus dem Geb. der Lebensmittel-untersuch. u. Hyg. 42:79-91. Ref. 1951. 389.9 Sw6
- 69809 SUGIYAMA, H., and DACK, G. M. Thermal resistance of bacterial spores. Conf. Res. Proc. 2:44-50. Ref. 1950. 50.9 C762
- In food.
- 69810 SWEENEY, J. P. Report on a chemical method for nicotinic acid. Assoc. Off. Agr. Chem. J. 34:380-387. May 15, 1951. 381 As7
- Determination in food and feed.
- 69811 TALLEY, E. A., and WOLFF, I. A. Chemicals from starch and sugar. U. S. D. A. Ybk. 1950/51:136-141. 1 Ag84Y
- 69812 TAYLOR, A. M. The tools of the food chemist. I. Food Mfr. 26:269-273. July 1951. 389.8 F736
- Equipment for food analysis.
- 69813 THURSTONE, L. L. Methods of food tasting experiments. Conf. Res. Proc. 2:85-91. 1950. 50.9 C762
- 69814 TOLLE, C. D. Report on vitamins. Assoc. Off. Agr. Chem. J. 34:368-369. May 15, 1951. 381 As7
- Determination in food and feeds.
- 69815 WALTER, L. Industrial measuring instruments. Food Mfr. 26:280-283, 285. July 1951. 389.8 F736
- 69816 WESTERN AUSTRALIA. DIRECTOR OF GOVERNMENT CHEMICAL LABORATORIES. Report for the year 1948. Perth, 1950. 33 p. 385 W523
- Includes analysis of agricultural products.
- 69817 WISS, O. Mikrobiologische vitaminbestimmungsmethoden. Z. f. Vitamin-, Hormon- u. Fermentforsch. 4:191-211. Ref. 1951. 384 Z324

CONSUMPTION AND UTILIZATION

- 69818 ARONOVSKY, S. I., SCHNIEPP, L. E., and LATHROP, E. C. Using residues to conserve resources. U. S. D. A. Ybk. 1950/51:829-842. 1 Ag84Y
- 69819 BAKKEN, E. H. Youth, a chemurgy laboratory. Chemurg. Digest 10(7):32-33. July 1951. 381 N213Na
- 69820 BRIERLEY, R. G. The processing industry looks at chemurgy. Chemurg. Digest 10(7):24-26. July 1951. 381 N213Na
- 69821 COONS, C. M. A problem in the grocery store. U. S. D. A. Ybk. 1950/51:53-64. 1 Ag84Y
- Mainly consumer preferences.
- 69822 HERRICK, H. T. New and better uses for our crops. U. S. D. A. Ybk. 1950/51:6-9. 1 Ag84Y
- 69823 HESS, E. Motor fuels from agricultural products. Chemurg. Digest 10(7):6-7. July 1951. 381 N213Na
- Germany.
- 69824 HUGHES, R. E. The importance of chemurgy in the development of Africa. Chemurg. Digest 10(7):13-15. July 1951. 381 N213Na
- 69825 MCMILLEN, W. How far can we go in chemurgy? U. S. D. A. Ybk. 1950/51:10-13. 1 Ag84Y
- 69826 MORSE, R. L. D. Rationale for studies of consumer food preferences. In Mrak, E. M., and Stewart, G. F., eds. Advances in food research, v. 3, p.385-427. Ref. New York, Acad. Press, 1951. 389 M87
- 69827 NATIONAL FARM CHEMURGIC COUNCIL. Addresses at the sixteenth conference. Chemurg. Digest 10(7):4-33. July 1951. 381 N213Na
- 69828 RAFOLS, W. DE. Chemurgy in Spain. Chemurg. Digest 10(7):11-13. July 1951. 381 N213Na
- 69829 SCHULZ, T. Family expenditure in 1949. II. Outlay on food and nutrition. Oxford. U. Inst. Statis. B. 13:141-150. May 1951. 280.9 Ox2B
- 69830 TEUTON, F. Chemurgy research by U. S. Department of Agriculture. Chemurg. Digest 10(7):26-32. July 1951. 381 N213Na
- 69831 TURNER, A. H. Meeting consumer demands. Canad. Agr. Econ. Soc. Proc. 20:85-90. 1950. 281.9 C16
- In food.
- 69832 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. EUROPEAN DIV. West Europe's food consumption and food self-sufficiency. Foreign Agr. 15:122-127. June 1951. 1.9 Ec7
- 69833 VAN ARSDEL, W. B. Diversification of another kind. U. S. D. A. Ybk. 1950/51:14-17. 1 Ag84Y
- Industrial utilization of crops.
- 69834 WHISTLER, R. L. Chemurgy research at Purdue University. Chemurg. Digest 10(7):15-17. July 1951. 381 N213Na
- 69835 YOUNATHAN, E. S. Solution to Egypt's economic problem. Chemurg. Digest 10(7):4-6. July 1951. 381 N213Na
- Chemurgy.

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 69836 APPLEBAUM, W. Controlled experimentation in retail stores. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:26-29. 252.004 N443M
- Marketing research.
- 69837 ARANGO L., F., and POSADA B., A. La plaza de mercado de Palmira-Colombia. Acta Agron. 1:99-109. Apr. 1951. 9.4 Ac8
- 69838 BELYEA, C. Why co-op marketing? Rur. Co-op. 15(19):6. June 26, 1951. 280.28 R88
- 69839 BRINEGAR, G. K. Short run income-expenditure relationships. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:30-34. 252.004 N443M
- Marketing research.
- 69840 CANADA. MARKETING SERV. ECONOMICS DIV. New look at transportation policy; significance to agriculture of the Royal Commission Report, by E. P. Reid. Ottawa, 1951. 8 p. 289 C162
- 69841 DELENS, A. H. R. Principles of market research. London, Lockwood, 1950. 254 p. Ref. 280.3 D372
- 69842 FRANCE. DIRECTION GENERALE DES DOUANES ET DROITS INDIRECTS. Tableau général de la navigation maritime; effectif de la marine marchande; statistique des transports des marchandises en trafic international, année 1947. Paris, 1950. 249 p. 260 D74Tn
- 69843 THE GLAMOUR of the theatre. Food Indus. So. Africa 4:71. May 1951. 389.8 F7372
- As an advertising medium for food.
- 69844 GROOTJANS, A. Le bénéfice brut du commerce de gros 1948-1949-1950. Vlvres 6(6):16. June 1951. 389.8 V832
- Belgium.
- 69845 HARWELL, E. M., and SHAFFER, P. F. More efficient grocery handling. Mktg. Activ. 14(5):8-13. May 1951. 1.942 A8M34
- 69846 HERON, J. R. Advertising— why it pays. Food Indus. So. Africa 4:63-65. May 1951. 389.8 F7372
- Food.
- 69847 HOFFMAN, S. S. Freight cars on the move. Natl. Indus. Conf. Bd. Business Rec. 8:258-261. July 1951. 280.9 N216Cb
- 69848 HOPE, C. R. A visualized program for marketing. Washington, U. S. D. A., Grad. Sch., 1951. 12 p. 1.984 V82
- Address, Feb. 12, 1951, in the Jefferson Memorial Auditorium as one of a series of lectures on the subject of agricultural marketing presented under the auspices of the Graduate School, U. S. Department of Agriculture.
- 69849 JOUANEN, M. Le transport des denrées périssables. Indus. Agr. et Aliment. 68:257-260. May/June 1951. 383 As7
- English summary.

- 69850 KRASKA, E. J. It's a fact. South. Canner & Packer 12(7):8,22. July 10,1951. 389.8 So82
Control of damage to canned goods during transportation.
- 69851 LENNARTSON, R. W. Between the farmer and the consumer. U. S. D. A. Ybk. 1950/51:49-52. 1 Ag84Y
Marketing.
- 69852 LESLIE, R. J. Marketing through boards. Canad. Agr. Econ. Soc. Proc. 20:99-103. 1950. 281.9 C16
- 69853 MCEWEN, W. H. Marketing Maritime agricultural products through co-operatives. Canad. Agr. Econ. Soc. Proc. 20:91-98. 1950. 281.9 C16
- 69854 MCISAAC, L. P. An integrated marketing policy for Maritime agricultural products. Canad. Agr. Econ. Soc. Proc. 20:104-108. 1950. 281.9 C16
- 69855 MIRA, E. Cooperativas lecheras. Cooperación [Madrid] 11:24-25. May 1951. 280.28 C7875
- 69856 NEW ENGLAND RESEARCH COUNCIL ON MARKETING AND FOOD SUPPLY. Proceedings of the annual meeting, held on April 13-14, 1951, at Cambridge, Massachusetts. Boston, 1951. 90 p. 252.004 N443M
- 69857 PROFFITT, R. C. Procedures in purchasing canned foods. Amer. Dietet. Assoc. J. 27:571-574. July 1951. 389.8 Am34
- 69858 RAAB, J. Die märkte in Bayern 1951. Bayern in Zahlen 5:170-173. Apr.1951. 265 B34
Statistics.
- 69859 RAI, N. Publicity in favor of the agricultural products of Sicily. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(43):6. June 15,1951. 281.8 Ag3
- 69860 ROGERS, W. Food packers must remember importance of selling. West. Canner & Packer 43(6):85-86. May 25,1951. 286.83 W522
Canned food.
- 69861 ROMON, H. Encore le malthusianisme paysan. Nord. Agr. 7(27):1. May 4,1951. 14 N75
Marketing policies of farmers in France.
- 69862 STOOPS, D. Disposal of surplus commodities. Washington, U. S. Prod. & Mktg. Admin., 1950. 3 p. 1.956 A21St7
Speech before the Department of Agriculture participants of the Midcentury White House Conference on Children and Youth, Nov. 30, 1950.
- 69863 TRELOGAN, H. C. Agricultural marketing research in the mobilization period. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:12-16. 252.004 N443M
Discussion by C. H. Merchant, p. 22-23.
- 69864 U. S. COMMODITY EXCHANGE AUTHORITY. Commodity futures statistics, 1949/50. U. S. D. A. Statis. B. 98,51 p. May 1951. 1 Ag84St
- 69865 WALSH, F. W. Some problems in the marketing of Maritime agricultural products. Canad. Agr. Econ. Soc. Proc. 20:78-84. 1950. 281.9 C16
- 69866 WESTBERG, F. Research and promotion—a working partnership. Wash. State Hort. Assoc. Proc. 46:33-35. 1950. 81 W273
- 69867 WINTER, J. C. Research in truck transportation of perishable products. Washington, U. S. Prod. & Mktg. Admin., 1951. 10 p. 1.957 W73
Address at the 1951 Spring meeting of American Trucking Association, Inc., San Francisco, May 17, 1951.
- 69868 YOUNG, T. The functions of an advertising agency. Food Indus. So. Africa 4:67,69. May 1951. 389.8 F7372
Food;
- GRADING, INSPECTION, STANDARDIZATION, AND QUALITY**
- 69869 ANDREONI, O. Consideration of some small epidemic foci and isolated cases of food poisoning due to Salmonella typhimurium. (In Italian.) Clin. Vet. 74:65-69. Mar.1951. 41.8 C61
- 69870 BOWMAN, E. Quality retained in frozen food. Miss. Rur. Elect. News 4(5):10. May 1951. 335.8 M69
- 69871 BRECHER, R. E. The chemicals we eat. Nation 172:584-586. June 23,1951. 280.8 N215
Food contamination.
- 69872 EVANS, J. B. The identity of staphylococci associated with food poisoning. Conf. Res. Proc. 2:67-69. 1950. 50.9 C762
- 69873 GEBAUER, B. Über lebensmittelvergiftungen in Berlin, verursacht durch Salmonella london. Lebensmitteltierarzt 2:1-3. Jan.1951. 41.8 L49
- 69874 HALL, W. H. Public health aspects of brucellosis. Amer. Dietet. Assoc. J. 27:485-487. June 1951. 389.8 Am34
Includes transmission through food.
- 69875 HINSHAW, W. R., and MCNEIL, E. Salmonella infection as a food industry problem. In Mrak, E. M., and Stewart, G. F., eds. Advances in food research, v. 3, p.209-240. Ref. New York, Acad. Press, 1951. 389 M87
- 69876 HORWOOD, M. P., and MINCH, V. A. The numbers and types of bacteria found on the hands of food handlers. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:14-15. 1950. 448.39 So12A
- 69877 LEHMAN, A. J., and others. The pharmacological evaluation of antioxidants. In Mrak, E. M., and Stewart, G. F., eds. Advances in food research, v. 3, p.197-208. Ref. New York, Acad. Press, 1951. 389 M87
O. G. Fitzhugh, A. A. Nelson, and G. Woodard, joint authors.
- 69878 LEHMANN, A. The value of a label. South. Canner & Packer 12(6):9-11,22. June 11,1951. 389.8 So82
Food.
- 69879 NATIONAL RESEARCH COUNCIL. FOOD & NUTRITION BOARD. FOOD PROTECTION COMMITTEE. Basic principles involved in evaluating safety in the use of chemical additives in foods. Bakers Wk. 151:40. July 2,1951. 289.8 B172
- 69880 PATRON, A. La "réaction de Maillard" et le brunissement non-enzymatique dans les industries alimentaires. Indus. Agr. et Aliment. 68:251-256. Ref. May/June 1951. 383 As7
English summary.
- 69881 PRATOLONGO, U. The incidence of frauds in the productive economy. (In Italian.) Gior. di Agr. 61:203. July 1,1951. 16 ItIG
Food adulteration.
- 69882 RESCIGNO, G. Regulation of fortified products. (In Italian.) Molini d'Italia 2:112,114,116. Mar.1951. 298.8 M73
- PACKING AND PACKAGING**
- 69883 HARTWELL, R. R. Certain aspects of internal corrosion in tin plate containers. In Mrak, E. M., and Stewart, G. F., eds. Advances in food research, v. 3, p.327-383. Ref. New York, Acad. Press, 1951. 389 M87
- 69884 SCHLIMME, J. C. L. Packaging possibilities in the Netherlands. (In Dutch.) Zuivelbereiding en-Handel 57:467,469. June 12,1951. 44.8 N282
For foods.
- 69885 SCHOMER, H. A. Suitability of packaging films. Pre-Pack-Age 4(10):13-14,16. June 1951. 280.38 P91
- 69886 WIEDERHOLT, W. Die laboratoriumsprüfung von konservendosen- und milchkannenlacken. Chem. Tech. 3:79-83. (To be cont.) Mar.1951. 384 C4283
- PRICES, PRICE CONTROL, AND RATIONING**
- 69887 ALLEN, W. H. Is a cheap food policy sound? N. J. Farm & Gard. 22(7):4. July 1951. 6 G162
- 69888 ALVAPPILLAI, K. Food prices. Ceylon Trade J. 16:127-130. Mar.1951. 286.8 C333
- 69889 BAUER, C. Immediate action needed. Butchers' Advocate 130(3):11. July 18,1951. 286.85 B97
Consumer reaction to price controls.
- 69890 BECK, R. S. Are food costs high in relation to earnings? Washcoegg 28(11):12-13. Apr.1951. 47.8 W27
- 69891 BETHKE, S. Der lachende dritte? Deut. Landwirt. Presse 74:97. Apr.7,1951. 18 D482
Prices and markets.
- 69892 BROMFIELD, L. Back of the Brannan Plan. Coop. Digest 11(12a):12-14,24. June 15,1951. 280.28 C7896
- 69893 BUHLE. Wohin steuert unsere agrarpolitik? Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:883-884. June 14,1951. 18 L2346
Prices.
- 69894 CANONGE, H. Les prix agricoles sont au niveau de 1949. Libération Paysanne 8(311):1-2. May 10, 1951. 14 L61
France.
- 69895 CHERRINGTON, J. It is an unjust price emphasis—it may condemn you to bankruptcy or it may raise you overnight. Farmer & Stock-Breeder 65(3215):41,43. June 5,1951. 10 F228
Price Review system, Great Britain.
- 69896 DEGRAFF, H. Price controls mean less food and black markets. Dairymen's League News 35(13):2,14. June 26,1951. 44.8 D1432
- 69897 DISALLE, M. V. Keeping our economy strong. Natl. Farm Inst. Proc. 13:23-27. 1951. 4 N219
Price controls.
- 69898 GUBIN, S. N. Farm price freeze. Mktg. Activ. 14(5):3-7. May 1951. 1.942 A8M34
- 69899 HEMPHILL, P. V. Prices of North Dakota farm products. N. Dak. Agr. Expt. Sta. Bimon. B. 13:171-172. Mar.-Apr.1951. 100 N813

69900 JURÉEN, L. Agreement on the prices of agricultural produce for the period 1st Sept-31st Dec. 1951. (In Swedish.) Sweden. Stat. Jordbrnämnd. Jordbrekon. Meddel. 13:193-200. May 1951. 257.3 J76

English summary, p. 192.

69901 KATSCH, and PAULUS, R. Kleinhandelspreise und Lebenshaltungskosten im Jahre 1950. Statist. Monatsh. Württemberg-Baden 5:44-53. Feb. 1951. 265 St24

69902 LEGER, J. L'instabilité des prix agricoles. Soc. des Agr. d'Algérie. B. 94:37-51. Ref. 1950/51. 24 Sol

69903 NORWAY. LANDBRUKETS PRISCENTRAL. Landbrukets priser, Prix d'agricoles, 1950. Oslo, 1951. 138 p. 284.39 N83A

69904 PAARLBERG, D. It's the same all over. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers 1951:7. May 24, 1951. 275.29 In2Em
Rise in prices.

69905 PARVIN, D. W., CHRISTIAN, W. E., and TRAMEL, T. E. Mississippi farm price, outlook situation. Miss. Farm Res. [Miss. Sta.] 14(5):5.8. May 1951. 100 M69Mi

69906 PARVIN, D. W., CHRISTIAN, W. E., and TRAMEL, T. E. Prices paid and prices received by Mississippi farmers continue to rise. Miss. Farm Res. [Miss. Sta.] 14(4):6. Apr. 1951. 100 M69Mi

69907 PRATOLONGO, U. Price protection in agriculture. (In Italian.) Rinasceita Agr. 5(22):1. Sept. 15, 1950. 281.8 R47
Italy.

69908 REICH, B. Honest price control needed. Calif. Farm Rptr. 12(7):2. July 1951. 281.8 C12

69909 RIFORD, L. S. Former OPS feed chief asks for end of price and wage controls. Nowest. Miller 246(3):32-33. July 17, 1951. 298.8 N81

69910 ROSENBERGER, H. T. Commodity price fixing in Pennsylvania—1676-1800. 2. Pa. Dept. Int. Aff. Mon. B. 19(5):13-22, 30-31. Apr. 1951. 280.9 P383

69911 SAMPLE, G. W. Farm Bureau board goes to Washington; price controls dealt a blow. Hoosier Farmer 36(7):10-11, 14. July 1951. 280.82 H76

69912 TRIPPLAAR, J. P. Price regulations in the United States. (In Dutch.) Landb. Wereldnieuws 6:362-364. June 9, 1951. 12 L237

Includes agricultural products.

69913 YOUNG, W. The Price Review [Great Britain] Scot. Farmer 59:630. Apr. 7, 1951. 10 Sco8

PROCESSING AND STORAGE

69914 AYLWARD, F. Towards cleaner food. Bakers' Natl. Assoc. Rev. 68:956, 961, 963. June 29, 1951. 389.8 N214

Great Britain.

69915 BÉNEZET, L. Les principaux aromes de synthèse dans l'industrie de l'alimentation. Parfumerie Mod. 43:61-78. Jan./Feb. 1951. 308.8 P213

69916 BORGSTRÖM, G. Fryskonservering; handledning för hem, skolor och frysfacklager [Preservation by freezing: guide for homes, schools and lockers]. Göteborg, Wezäta, 1950. 151 p. 389.3 B642

69917 CAMERON, E. J. Use of antibiotics in preserving foods. Conf. Res. Proc. 3:32-38. Ref. 1951. 50.9 C762

69918 THE CANNING trade almanac—1951; 36th annual compilation of the industry's statistics, laws, grades and other necessary reference data. Canning Trade 73(52, pt. 2), 316 p. July 16, 1951. 286.83 C163

69919 CORNELIUS, C. Ultraschall in ernährung und landwirtschaft. Hannoversche Land- u. Forstwirtschaft. Ztg. 104:133. Feb. 10, 1951. 18 H194

69920 DUNN, J. Sanitation in canning factories. Canning Trade 73(52, pt. 1):7. July 16, 1951. 286.83 T67

69921 ECKBLAD, I. From farm to freezer. Wash. State Col. Ext. B. 375, rev., 20 p. Feb. 1951. 275.29 W27P

69922 ECOFFLARD. Chaine marocaine du froid; note relative à l'activité en 1950 du frigorifique provisoire du port de Casablanca. Terre Marocaine 25:156-158. May 1951. 24 T44

69923 FLEMMIG, W. Die französische gefrier-industrie. Kälte 4:96. Apr. 1951. 295.8 K122

Includes refrigeration of food products.

69924 GREENLEAF, C. A. Use of fluoridated water in canning. (Abs.) Canning Trade 73(51):9. July 9, 1951. 286.83 T67

69925 HARRIMAN, L. A. Quaternary ammonium compounds. Conf. Res. Proc. 2:33-43. Ref. 1950. 50.9 C762
In the food industry.

69926 HAYNES, D. O. Refrigeration lags in Mexico. Ice & Refrig. 121:15-18. July 1951. 295.8 Ic2

Includes discussion of the market for frozen foods.

69927 HENGLEIN, F. A., and HANN, M. Über die bewertung niedrig veresterter pektine. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:178-184. Mar. 1951. 384 Z39
In manufacture of low-sugar jellies.

69928 HOLMES, H., WELLS, F. B., and JAMES, G. V. The status and uses of cationic surface-active agents. Food Indus. So. Africa 3(11):43, 45. Ref. Mar. 1951. 389.8 F7372

69929 JAKOBSEN, F. Hermetikkindustriens oppslags-bok [Handbook of the canning industry]. Ed. 2, rev. and enl. Stavanger, Tidsskrift for Hermetikkindustri, 1950. 233 p. 389.3 J21H

69930 KANTITZ, H. R. Verminderte trocknungskosten. Neue Mitt. f. die Landwirt. 6:397-398. June 16, 1951. 18 N39

Equipment for drying agricultural products.

69931 LUND, A. J., and HALVORSON, H. O. The effects of low temperatures on enzymes and microorganisms. Conf. Res. Proc. 3:59-62. 1951. 50.9 C762

In connection with food freezing.

69932 MALLMANN, W. L. Sanitation with modern detergents. Conf. Res. Proc. 3:54-58. 1951. 50.9 C762
In the food industry.

69933 MANN, L. B. Locker plants—20th century product. Grain Prod. News 3(11):7-8. May 1951. 286.81 G764

69934 MARCUSE, R. Alginat och dess användning inom livsmedelsindustrien [Alginate and its use in the food industry]. Svenska Inst. f. Konservförsök. P. 22, 25 p. Ref. Apr. 1951. 389.9 Sv2
English summary.

69935 MATCHETT, J. R. Basic methods of processing food. U. S. D. A. Ybk. 1950/51:111-114. 1 Ag84Y

69936 MILLER, G. New nitrogen technic assures fine grinding—in only one pass. Food Engin. 23(7):36-37. July 1951. 389.8 F737

Food processing.

69937 MILLER, H. Perishable-food problems begin with warm weather. Restaurant B. 170:22. May 1951. 389.8 R312

69938 MORTIMER, C. G., JR. Partners in frozen foods. Super Mkt. Merchandising 16(6):125, 128, 130-131, 133. June 1951. 389.8 Su7

69939 MURRAY, R. V. The storage of canned foods. Food Indus. So. Africa 4:37-39. (To be cont.) May 1951. 389.8 F7372

69940 PROCTOR, B. E., and GOLDBLITH, S. A. Electromagnetic radiation fundamentals and their applications in food technology. In Mrak, E. M., and Stewart, G. F., eds. Advances in food research, v. 3, p. 119-196. Ref. New York, Acad. Press, 1951. 389 M87

Supersonic vibrations, high-frequency heating, infrared rays, ultraviolet light, radioactive isotopes, x-rays, and cathode rays in food processing.

69941 PROST, E. The sterilisation of canned food. (In Polish.) Med. Veter. 7:257-259. Apr. 1951. 41.8 M463

69942 RAO, M. R. R. Fermentation industries in India. Chemurg. Digest 10(7):7-9. July 1951. 381 N213Na

69943 REINHARDT, A., and BOWTON, D. Lockers and home freezers. Locker Mangt. 5(7):16-18. July 1951. 389.8 L79

69944 SCHELHORN, M. VON. Wirksamkeit und Wirkungsbereich chemischer konservierungsmittel für lebensmittel. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:256-266. Apr. 1951. 384 Z39

69945 SHUEY, G. A., and EICHENBERGER, W. R. Monosodium glutamate sharpens flavor of quick frozen foods. Quick Frozen Foods 13(12):59-60. July 1951. 389.8 Q4

69946 SMITH, A. K. Over-all look at industrial proteins. U. S. D. A. Ybk. 1950/51:601-606. 1 Ag84Y
Processing.

69947 SPOEHR, H. A. Chlorella as a source of food. Amer. Philos. Soc. Proc. 95:62-67. Feb. 13, 1951. 500 P533

69948 STAMM, A. J. Production of nutritive substances from inedible carbohydrates. Amer. Philos. Soc. Proc. 95:68-76. Ref. Feb. 13, 1951. 500 P533

69949 STATISTICAL review and yearbook number. West. Canner & Packer 43(6), 224 p. May 25, 1951. 286.83 W522

69950 STODOLA, F. H., and JACKSON, R. W. Fermentation acids in industry. U. S. D. A. Ybk. 1950/51: 85-92. 1 Ag84Y

69951 TEISER, R., and HARROUN, C. Martin aseptic canning system provides speedy, continuous process. Food Canada 11(7):11-12. July 1951. 389.8 F7323

- 69952 TIEDT. Das carotin als farb- und wirkstoff und ein modernes technisches gewinnungsverfahren. (Abs.) Z. f. Lebensmitl.-Untersuch. u. -Forsch. 92:270. Apr.1951. 384 Z39
- 69953 TRUMP, J. G., and PROCTOR, B. E. Sterilizing with electrons; new cathode-ray technique permits low-temperature sterilization of foods and drugs on conveyor line after packaging. Mod. Packaging 24(11):105-106,164. July 1951. 309.8 M72
- 69954 TSUCHIYA, H. M., and BLOM, R. H. Mold agents in conversion of starch. U. S. D. A. Ybk. 1950/51: 148-158. 1 Ag84Y
- 69955 U. S. RURAL ELECTRIFICATION ADMIN. Cold facts; how members of frozen food locker co-ops can eat better for less. Washington, 1951. 12 p. 1 R88Co
- 69956 VEIGUINHA, A. S. L'industrie portugaise de l'agar-agar et les applications de ce produit dans les industries agricoles. Indus. Agr. et Aliment. 68:261-264. May/June 1951. 383 As7
- English summary.
Use in food processing.
- 69957 WHITNEY, R. M., and RUSSELL, L. A. An experimental approach to problems of control in quantitative studies of ultrasonic bactericidal effects. Food Res. 16:205-215. Ref. May/June 1951. 389.8 F7322
- 69958 WILLIAMS, E. W. From Los Angeles to Seattle. Quick Frozen Foods 13(12):39-42,106. (To be cont.) July 1951. 389.8 Q4
- Frozen food industry.
- 69959 WINSTON, J. J. 7 steps to effective plant sanitation. Food Engin. 23(7):100-110. July 1951. 389.8 F737
- 69960 WODSACK, W. Antioxydantien für fettlösliche vitamine. (Abs.) Z. f. Lebensmitl.-Untersuch. u. -Forsch. 92:271. Apr.1951. 384 Z39

STATISTICS

- 69961 ALT, A. Land- und forstwirtschaftliche betriebszählung 1951. Landwirtschaft 1951:156-157. May 1951. 19 L235
- Austria.
- 69962 BISHOP, D. R. Brazil: agricultural production and trade statistics. U. S. D. A. Statis. B. 97,39 p. Apr. 1951. 1 Ag84St
- 69963 BOGUE, D. J. State economic areas; a description of the procedure used in making a functional grouping of the counties of the United States. Washington, 1951. 96 p. 157.41 St26
- Includes agricultural statistics for the areas.
- 69964 BRITTON, D. K., and HUNT, K. E. The sources and nature of statistical information in special fields of statistics; the agricultural statistics of the United Kingdom. Roy. Statis. Soc. J. Ser. A, Gen. 114:59-96. Ref. 1951. 261 R81J
- 69965 COSTA RICA. CONSEJO NACIONAL DE PRODUCCIÓN. Informe general de actividades. Costa Rica. Cons. Nac. de Prod. Prod. Nac. 4:6-42. Mar.1951. 281.9 C82
- Includes agricultural statistics.
- 69966 EGYPT. DEPT. DE LA STATISTIQUE ET DU RECENSEMENT. Annuaire statistique 1945-1946 et 1946-1947, 38ème et 39ème années. Le Caire, 1951. 887 p. 270 Eg93St
- Includes agricultural statistics.
- 69967 EL SALVADOR. DIRECCIÓN GENERAL DE ESTADÍSTICA. Anuario estadístico de la República de El Salvador correspondiente al año de 1948. Tomo III (sección de producción y consumo). San Salvador, 1950. 256 p. 254 Sa52
- Includes statistics of agriculture.
- 69968 GANGULI, D. M. Route sampling for estimation of cropped area. (Abs.) Indian Sci. Cong. Proc. 36(3):10-11. 1949. 513 In22
- 69969 GATENBY, W. W. Yorkshire crops in 1950. Yorkshire Agr. Soc. J. 102:50-60. 1951. 10 Y7
- Acreage and area and effects of weather on the crops.
- 69970 GRAZ. STATISTISCHES AMT. Statistisches Jahrbuch 1949, 2. Jahrgang. Graz, 1950. 138 p. 266 G792
- Includes agricultural statistics.
- 69971 KOLESNEV, S. G. Results of adapting the grass-field crop rotation system of agriculture on collective farms. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok. 12:224-237. 1950. 20 M875
- Statistics of production.

- 69972 PHILIPP, P. F. 1950 statistics of diversified agriculture in Hawaii. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 7,45 p. May 1951. 275.29 H312AE
- 69973 PUERTO RICO. ECONOMIC DEVELOPMENT ADMINISTRATION. Annual book of statistics of Puerto Rico, fiscal year 1949-50. San Juan, 1951. 491 p. 252.74 Ag8
- Department of Agriculture and Commerce of Puerto Rico, cooperating.
Includes agricultural statistics.
- 69974 RAMAGE, W. D. Food or feed in a period of change. U. S. D. A. Ybk. 1950/51:95-100. 1 Ag84Y
- Includes production and consumption statistics.
- 69975 ROWE, J. Z. Number of New Mexico farms declines in 1950 census. N. Mex. Agr. Col. Ext. News 31(4):3. Apr.1951. 275.29 N463Ex
- 69976 SCHOLL, J. C. How's the weather? Farmer's judgment main basis for forecasting crop yields. Agr. Situation 35(5):5-6. May 1951. 1 Ec7Ag
- 69977 U. S. PRODUCTION AND MARKETING ADMIN. 1951 production guides handbook. Washington, 1951. 75 p. 1.9424 A8P94
- Acreage guides for principal crops and livestock and livestock products production guides.

BEVERAGES AND CONDIMENTS

- 69978 ADZHEMIAN, N. N. Wine of Noemberiansk region. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:925-926. 1950. 20 Er4
- 69979 AMERICAN SOCIETY OF BREWING CHEMISTS. Abstracts of ASBC convention papers. Amer. Brewer 84(6):50,52,54,70. June 1951. 390.8 Am3
- 69980 ANCONETANI, A., and CONNERY, F. E. Determination of turbidity in beer. (Abs.) Amer. Brewer 84(6):52. June 1951. 390.8 Am3
- 69981 ANTONIANI, C. The accessory processes of the alcoholic fermentation of grape must. (In Italian.) Ann. della Sper. Agr. (n.s.):5:481-488. 1951. 16 An76
- English summary.
- 69982 ARTHOLD, M. Handbuch der kellerwirtschaft. Ed. 5. Wien, Scholle, 1950. 624 p. 390.1 Ar7
- 69983 BECKER, H. J. The West German chocolate industry. Confectionery News 85:59. June 8, 1951. 389.8 C764
- 69984 BEKIROV, U. I. Paraffinization of [wine] vats. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):39. Dec. 1950. 95.8 V77
- 69985 BENITO S., L. Los problemas de la industria: señala inconveniencia de las patentes caras. Agrario 15 (421):18,20-21. Feb.1951. 9.3 Ag85
- Chilean wine industry.
- 69986 BOVARD, P. Caster vinicole 1950. Feuille d'Inform. Vitic. et Arbor. de Tunisie 23:14-15. Feb. 1951. 80 F433
- 69987 BUXBAUM, W. Weinbewertung nach punkten; ein mittel zur qualitätssteigerung und absatzförderung. Weinbau 5:596. Dec.17, 1950. 390.8 W432
- 69988 CALCUTTA TEA TRADERS ASSOCIATION. Proceedings of the sixty-fourth annual general meeting of members held at the Bengal Chamber of Commerce on Friday, the 15th December, 1950, and adjourned to Thursday, the 21st December, 1950. Calcutta, 1950. 15 p. 286.3689 C12P
- 69989 CALIFORNIA. BUR. OF MARKETS. Marketing order for wine, as amended, effective as of July 1, 1951. Sacramento, 1951. 15 p. 390 C12
- 69990 CALLE, H. Ensayo sobre cultivo de levaduras alimenticias en pulpa de cafe. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 2(14):33-35. Feb.1951. 68.29 C332
- 69991 CHABOT, E. Quelques considérations sur les méthodes de brassage. Petit J. du Brasseur 59:319-325. Apr.27, 1951. 390.8 P44
- 69992 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 6, ATHENS, 1950. [Rapports et exposés]. Off. Internat. du Vin. B. 24(243):64-140. (Cont.) May 1951. 390.8 B87
- 69993 CONSTANT, C. Les appellations viticoles contrôlées en Touraine. In Confédération Générale de l'Agriculture. Guide national de l'agriculture française, p.168,170,172,174. Paris, 1950. 33.17 C762
- 69994 CORNELSSEN, F. A. Vervielfacher weinabsatz? Thalacker Ernähr.-Anz. 4(19):6. May 9, 1951. 389.8 T32
- Germany.
- 69995 DANIELIAN, D. O. Annual production plan was fulfilled on time. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):57. Jan.1951. 95.8 V77
- Combine of Champagne Wines in Armenia.

- 69996 DANIELIAN, D. O. To eliminate the shortcomings in the wine-making industry of Armenia. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):47-48. Dec. 1950. 95.8 V77
- 69997 DEAL, E. C. Report on spices and other condiments. Assoc. Off. Agr. Chem. J. 34:261-262. May 15, 1951. 381 As7
- Analysis.
- 69998 DE ARMOND, J. A. Coffee's voice has been heard; this industry must operate under abnormal conditions for at least three years. Coffee & Tea Indus. 74(7):15,29. July 1951. 389.8 Sp4
- 69999 DEMOLIN, J. Coffee in Belgium. Coffee & Tea Indus. 74(7):17,29. July 1951. 389.8 Sp4
- 70000 DUKHOVNYI, A. I. Toward setting up a single method for determining the strength of cognacs and cognac spirits. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):23-25. Dec. 1950. 95.8 V77
- 70001 EISENBERG, W. V. Report on extraneous materials in drugs, spices, and miscellaneous products. Assoc. Off. Agr. Chem. J. 34:349. May 15, 1951. 381 As7
- 70002 ELLIOTT, R. C. Hawaiian coffee, with some information about world types, grading, and trading practices. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 5,26 p. Ref. May 1951. 275.29 H312AE
- 70003 ENSMINGER, L. G. Report on vanilla extracts and imitations; colorimetric determination of vanillin and coumarin. Assoc. Off. Agr. Chem. J. 34:330-340. May 15, 1951. 381 As7
- 70004 EUROPEAN BREWERY CONVENTION. Brighton congress. Amer. Brewer 84(6):32,34,36,39-40,42,44, 46,48,80-84. June 1951. 390.8 Am3
- Survey of the third international congress.
- 70005 FERRINI, U. R. Useful advice for the decanting of new wine. (In Italian.) Lotte Contadine 2(2):4. Jan.20/Feb.5, 1951. 16 L91
- 70006 FESSLER, J. The clarification of wines. Wines & Vines 32(7):16-17. July 1951. 95.8 C122
- 70007 FEYS, G. La viscosité du moût comme critérium de la désagrégation du malt. Louvain. U. Assoc. des Anciens Étud. en Brasserie. B. 47:57-71. Ref. June 1951. 390.9 L93
- 70008 FINCH, F. H. Tea-planting in Argentina. Rev. River Plate 109(3077):28-30. June 8, 1951. 286.8 R32
- Various aspects of the industry.
- 70009 FORNACIARI, A. Discussion on the project: "Rules for the preparation and trade of special wines." (In Italian.) Cam. di Com. Indus. e Agr. Reggio Emilia. Rass. Econ. 5(12):7. Dec. 1950. 287 R26
- 70010 FRIEDMANN, G. Developments of the cooperative wine manufacture societies. (In Italian.) Mondo Agr. 2(20):4. May 20, 1951. 16 M74
- Italy.
- 70011 FROLOV-BAGREEV, A. M. Research work in champagne production. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):17-18. Dec. 1950. 95.8 V77
- 70012 FROLOVA-BAGREEVA, E. A. Greater attention to quality of [wine] production. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):7-10. Jan. 1951. 95.8 V77
- 70013 GARINO-CANINA. Thème A: unification des méthodes d'analyse et d'appréciation des vins. Off. Internatl. du Vin. B. 24(243):37-38. May 1951. 390.8 B87
- 70014 GELASHVILI, N. T. Champagne wine materials of Kartallnia [in Georgian SSR]. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):37. Nov. 1950. 95.8 V77
- Utilization of grape varieties.
- 70015 GELASHVILI, N. T. Wine-making industry of South Ossetia. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):18-20. Jan. 1951. 95.8 V77
- 70016 GRACHEV, A. N. The Don Champagne Combine in the wine-making season. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):46-47. Dec. 1950. 95.8 V77
- 70017 GUREVICH, Z. I. Ways of lowering the cost in champagne manufacture. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):55-56. Nov. 1950. 95.8 V77
- 70018 HARLER, C. R. The fermentation of tea leaf; the essential process in black tea manufacture. Nyasaland Agr. Q. J. 9:89-102. Oct. 1950, pub. Apr. 1951. 24 N983
- 70019 HARRISON, C. J. Tea research in India. Coffee & Tea Indus. 74(7):45-46. (To be cont.) July 1951. 389.8 Sp4
- 70020 HEITZ, J. E., and others. A study of certain factors influencing the composition of California-type sherry during baking. Food Res. 16:192-200. May/June 1951. 389.8 F7322
- E. B. Roessler, M. A. Amerine, and G. A. Baker, joint authors.
- 70021 HENAO JARAMILLO, J. La industria cafetera en Venezuela. Agr. Venezol. 15(149):5-7. Jan./Feb. 1951. 9.95 Ag8
- 70022 HOCHSTRASSER, R. Über die verwendung von aluminium in der getränke-industrie. Schweiz. Z. f. Obst- u. Weinbau 60:249-252. (Cont.) June 30, 1951. 80 Sch9
- 70023 HODGES, F. A. Report on extraneous matter in beverage materials. Assoc. Off. Agr. Chem. J. 34:348-349. May 15, 1951. 381 As7
- 70024 KIELHÖFER. Die behandlung der 1950er weine. Weinbau 5:598. Dec. 17, 1950. 390.8 W432
- Manufacture.
- 70025 KLENK, E. Die weinbeurteilung nach farbe, klarheit, geruch und geschmack des weines. Stuttgart, Ulmer, 1950. 118 p. 390.1 K67
- 70026 KOCH, J. Cocoa beans—roasted or dried? Mfg. Confectioner 31(7):20-21. July 1951. 389.8 M31
- 70027 KOROTKEVICH, A. V. Determination of wine color with a photometer. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):20-22. Jan. 1951. 95.8 V77
- 70028 KROITOR, I. I. Dynamics of distilling cognac spirits. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):38-39. Nov. 1950. 95.8 V77
- 70029 KRUGER, R. J. Wine education. Wine & Spirit 20(5):12-13. May 1951. 390.8 W725
- 70030 KUZNETSOV, V. S., and BAILUK, V. V. The Gorkii factory of champagne wines is 10 years old. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):60-62. Nov. 1950. 95.8 V77
- 70031 LENGELLE, M. Le marché du cacao. Marseille. Inst. Colon. Cahiers Colon. 34:179-184. Apr./May 1951. 286.8 M35
- World market.
- 70032 LICHINE, A. Wines of France; collaboration with W. E. Massee. New York, Knopf, 1951. 326 p. 390.1 L61
- 70033 LOUIS-DELAMARE, J. Notre production coloniale en face des problèmes mondiaux du café. Marchés Colon. 7:1711-1712. June 23, 1951. 286.8 M33
- 70034 LUCHITSKAIA, E. N. Accounting in initial wine-making. (In Russian.) Vinodel. i Vinograd. SSSR. 10(12):42-43. Dec. 1950. 95.8 V77
- 70035 MAGER, M. I. The tie between science and production is becoming stronger. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):52-55. Jan. 1951. 95.8 V77
- Research work of Kishinev Filial of Magarach Institute on champagne production and grape culture.
- 70036 MALTABAR, V. M. On determining the quality of cognac products. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):26-27. Jan. 1951. 95.8 V77
- 70037 MARTIN, R. L'examen de la "tenue" des vins. Tarn-et-Garonne Agr. 14:85. May 1951. 14 T17
- 70038 MATHERS, A. P. Report on chromatographic studies of wines and distilled spirits. Assoc. Off. Agr. Chem. J. 34:307-309. May 15, 1951. 381 As7
- 70039 MENDELSON, F. Y. Report on algin and gums in cacao products. Assoc. Off. Agr. Chem. J. 34:361. May 15, 1951. 381 As7
- 70040 MEYERS, E. W. Cocoa: varieties, uses, modern application. 2. (Excerpts.) Confectionery-Ice Cream World 45(23):16,26. June 11, 1951. 389.8 C767
- 70041 MEYERS, E. W. Report on maltose in cacao products. Assoc. Off. Agr. Chem. J. 34:440-441. May 15, 1951. 381 As7
- 70042 MICHAEL, G. A. Report on vinegar. Assoc. Off. Agr. Chem. J. 34:262-266. May 15, 1951. 381 As7
- 70043 MILLER, H. E. Tea and rubber in perspective. Planters' Chron. 46:153-155. Mar. 15, 1951. 22 P693
- 70044 MINEAU, R. Photometric and nephelometric measurement of turbidity. Wines & Vines 32(6):24. June 1951. 95.8 C122
- 70045 MONSERRAT, J. Problems of viticulture. III. (In Portuguese.) Coop [Bahia] 9(83):5-6. Oct. 1950. 280.28 C7842
- Wine marketing in Brazil.
- 70046 MORALES ANTEQUERA, C. Debemos consumir más vino en España. España Agr. 1950:9-11. Apr. 1950. 335.8 Es6
- 70047 NATARAJAN, C. P., and others. Quality of vinegar. Indian J. Hort. 8:20-25. Mar. 1951. 80 In2
- D. S. Johar, D. P. Das, and J. C. Anand, joint authors.
- 70048 NÈGRE, E. Faire des vins qui plaisent au consommateur. Prog. Agr. et Vitic. 136:11-21. (Concl.) July 1/8, 1951. 14 P94
- 70049 NEWELL, G. Science and an ancient art are combined in modern brewing. Food Canada 11(7):26,28. July 1951. 389.8 F7323

- 70050 NISSEN, B. H. Report on color in beer and wort; spectrophotometric and photometric color methods for beer. *Assoc. Off. Agr. Chem. J.* 34:328-329. May 15, 1951. 381 As7
- 70051 OHANA, I. Coffee policy. (In Portuguese.) *Observador Econ. e Financ.* 16(184):102-106. May 1951. 280.8 Ob72
- Brazil.
- 70052 OLIVER, J. H. Water in the brewing industry. (Abs.) *Chem. & Indus.* 1951:548. June 30, 1951. 382 M31C
- 70053 OSSA UNDURRAGA, R. La situación de la industria vitivinícola. *Agrario* 15(421):4-6. Feb. 1951. 9.3 Ag85
- Chile.
- 70054 PANASJUK, M. I. Wine from golden currant. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(12):15-16. Dec. 1950. 95.8 V77
- 70055 PEARCE, L. B. Home-made wines. *Food & Cookery Rev.* 19(12):32,34. June 1951. 389.8 F7328
- 70056 PEYRONNET, R. Quelques reflexions sur la qualité des vins. *Rev. Agr. de l'Afrique du Nord* 49:125-128. Feb. 16, 1951. 80 R326
- 70057 POPOV, M. P. Abrau-Diurso [wine] Combine. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(11):62-63. Nov. 1950. 95.8 V77
- 70058 POPOV, M. P. For a uniform method of planning and accounting [in the wine industry]. (In Russian.) *Vinodel. i Vinograd. SSSR.* 11(1):47-48. Jan. 1951. 95.8 V77
- 70059 POPOVA, E. M. Enzymatic preparations in wine making. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(11):25-28. Nov. 1950. 95.8 V77
- 70060 PRATER, A. N. Report on seeds and stems in ground chilis. *Assoc. Off. Agr. Chem. J.* 34:266-267. May 15, 1951. 381 As7
- 70061 REILLY, D. Cornelius O'Sullivan, F. R. S., 1841-1907, a pioneer in brewing biochemistry. *Wallerstein Lab. Commun.* 14:101-110. June 1951. 390.9 W15
- 70062 RODOPULO, A. K. To improve the technology of tank champagne. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(11):33-36. Nov. 1950. 95.8 V77
- 70063 RUFF, D. G. Problems in brewing when considered from a practical standpoint. *Master Brewers Assoc. Amer. Commun.* 12(5/6):9-13. May/June 1951. 390.9 M39C
- 70064 SAENKO, N. F. Speeding up the development of the sherry yeast film on wine. (In Russian.) *Vinodel. i Vinograd. SSSR.* 11(1):12-15. Jan. 1951. 95.8 V77
- 70065 SAINCLIVIER, M. La microflore mineure des lies de cidre. *Indus. Agr. et Aliment.* 68:277. May/June 1951. 383 As7
- English summary.
- 70066 SEDLMAYR, F. Die farbe des bayerischen und insbesondere des münchener bieres im 19. jahrhundert. *Brauwelt* 1951:481-483. June 7, 1951. 390.8 B732
- 70067 SEPULVEDA, C. La calidad de los vinos y los tributos. *Agrario* 15(421):30-31. Feb. 1951. 9.3 Ag85
- Chile.
- 70068 SHUMAKOV, A. M. In regard to the technology of Ukrainian wines. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(12):53-54. Dec. 1950. 95.8 V77
- 70069 SILCOX, C. N. Discurso. *Rev. del Café* 6(10):19-22. Mar. 1951. 8 R3295
- Coffee cooperatives.
- 70070 SKOTNIKOV, V. A. In regard to investigating the processes of champagnizing wine. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(12):18-22. Dec. 1950. 95.8 V77
- 70071 SOFRONOV, A. M. Wine from dog rose [Rosa canina] and mountain ash [Sorbus]. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(11):29-32. Nov. 1950. 95.8 V77
- 70072 SOUSA, R. DE. A short history of coffee. II. (In Portuguese.) *Activ. Econ. de Angola* 27:21-65. Jan. 1951. 280.8 Ac82
- English summary, p. 141.
- 70073 STEIN, G. Los problemas de la industria: pide facilidades para el transporte de vinos. *Agrario* 15(421):14,16. Feb. 1951. 9.3 Ag85
- Chile.
- 70074 STERCKX, R. Bottom fermentation in Belgian breweries. *Amer. Brewer* 84(6):25-27,58. June 1951. 390.8 Am3
- 70075 STERCKX, R. N'est-il pas temps de réagir? *Petit J. du Brasseur* 59:382-383. May 18, 1951. 390.8 P44
- Quality of Belgian beer.
- 70076 STONE, C. B. Report on fat in milk chocolate and cocoa mixes. *Assoc. Off. Agr. Chem. J.* 34:442-444. May 15, 1951. 381 As7
- 70077 SUBERCASEAUX, J. Los problemas de la industria: destaca la calidad de los vinos embotellados. *Agrario* 15(421):21-22,24. Feb. 1951. 9.3 Ag85
- Chile.
- 70078 TAPPOLET, H. Die mündung der kronenkorkflasche SNV norm 79100. *Schweiz. Z. f. Obst- u. Weinbau* 60:233-236. June 16, 1951. 80 Sch9
- 70079 TASKER, A. 100 years of tea—a pattern of growth. *Coffee & Tea Indus.* 74(7):43-44. July 1951. 389.8 Sp4
- 70080 TELLES, M. R. Aspects of coffee production. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(366):21. May 1951. 9.2 B733
- 70081 TELUKH, G. A. Automatic pumping of wine. (In Russian.) *Vinodel. i Vinograd. SSSR.* 11(1):43-44. Jan. 1951. 95.8 V77
- 70082 UNTILOVA, A. I. On calculations of wine [production] in units of weight. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(12):43-44. Dec. 1950. 95.8 V77
- 70083 VALAIZE, H., and DUPONT, G. Les acides aminés et le bouquet des vins. *Indus. Agr. et Aliment.* 68:245-250. May/June 1951. 383 As7
- English summary.
- 70084 VINNICHENKO, V. I. On the drying up of wine. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(11):28-29. Nov. 1950. 95.8 V77
- 70085 VOSKOBOINIKOV, I. M. How to determine the saccharinity of musts with an areometer. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(11):58-59. Nov. 1950. 95.8 V77
- 70086 WANNER, E. Tankverwendung und kellerbau. *Weinbau* 5:576. Dec. 3, 1950. 390.8 W432
- 70087 WILSON, J. B. Report on flavors and non-alcoholic beverages. *Assoc. Off. Agr. Chem. J.* 34:329-330. May 15, 1951. 381 As7
- 70088 WINE INSTITUTE. Fifteenth annual wine industry statistical survey, pt. II. Apparent consumption of wine, by States, U. S. territories and possessions; preliminary 1950 totals. *Wine Inst. B.* 527,34 p. May 9, 1951. 390.9 W72
- 70089 WINKLER, W. O. Report on cacao products. *Assoc. Off. Agr. Chem. J.* 34:439-440. May 15, 1951. 381 As7
- 70090 ZEZZOS, R. "Classical" and "typical" coffees. (In Italian.) *Roma Econ.* 4:248-251. Apr. 1951. 280.8 R66
- Historical.
- 70091 ZHELTKEVICH, G. G. Elementary mathematics in wine-making practice. (In Russian.) *Vinodel. i Vinograd. SSSR.* 11(1):49-51. Jan. 1951. 95.8 V77
- 70092 ZHGENTL, N. M., and RODOPULO, A. K. Introduction of askangel [bentonite] into the industry [for wine clarification]. (In Russian.) *Vinodel. i Vinograd. SSSR.* 10(12):12-14. Dec. 1950. 95.8 V77

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- 70093 ALBANESE, F. Considerations on the dairy and cheese problem. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 4(44):5-6. June 20, 1951. 281.8 Ag3
- 70094 ALBERTS, R. J. Know your industry? *Dairy World* 30:6-7. June 1951. 44.8 D1423
- 70095 AMERICAN DAIRY SCIENCE ASSOCIATION. Abstracts of papers presented at the forty-sixth annual meeting, University of Tennessee, Knoxville, Tenn., June 6-8, 1951. *J. Dairy Sci.* 34:475-514. June 1951. 44.8 J822
- 70096 ARANETA, V. A. Dairy as a must industry for the Philippines. *Agr. & Indus. Life* 13(5):4-5,14,20-21,23,26. May 1951. 25 Ag8
- 70097 ASSOCIAZIONE ITALIANA LATTIERO-CASEARIA. Ordinary meeting of members and report by the president about the activity of the "Associazione Lattiero-Casearia" during the year 1950. *Mondo del Latte* 1951:259-271. May 1951. 44.8 M74
- English summary.
- 70098 BÉLANGER, J. L. L'opération d'un établissement laitier. *Québec Lait.* 10(5):34-35. May 1951. 44.8 Q3
- 70099 BOWLES, H. Grade A milk production shows great increase in Arizona. *Pacific Dairy Rev.* 55(6):61. June 1951. 286.85 P11
- Brief survey of the dairy industry.
- 70100 BREART, G. Les producteurs de lait veulent savoir à quoi s'en tenir. *J. de la France Agr.* 7:1509-1510. May 4/10, 1951. 14 J829
- 70101 BURNARD, C. W. "Harvest of Sunshine"; outstanding documentary film on dairy industry produced for commission for showing in Britain. *New Zeal. Dairy Exporter* 26(12):5,7-8. June 1, 1951. 44.8 N484

- 70102 CARPENTER, J. Hardening, packaging and distribution of ice cream. Biscuit Maker & Plant Baker 2:184-187. June 1951. 389.8 B54
- 70103 CLEMENT, L. La production et l'organisation laitière en Suède. Culture 29:2-7. May/June 1951. 14 C894
- 70104 DANELLI, S. Aspects of Italian cheese production. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statist. 4(2):5-24. Feb. 1951. 280.9 M587B
- 70105 DASTUR, N. N., and LAXMINARAYANA, H. Bibliography of publications in dairy science of South Asia (1945-1949). Indian J. Dairy Sci. 4,sup.,69 p. Mar. 1951. 44.8 In28
- Issued by Indian Dairy Science Association in cooperation with United Nations Educational, Scientific and Cultural Organization.
- 70106 ELLIS, S. W. History of Challenge Cream & Butter Assn. n.p., 1950. 64 p. 280.294 EL5
- 70107 FAGERLAND, R. Dairy industry in South Africa. (In Norwegian.) Meteriposten 40:365-369. May 26, 1951. 44.8 M47
- 70108 FISHER, C. H. The sugar we get from milk. U. S. D. A. Ybk. 1950/51:322-328. 1 Ag84Y
- 70109 GODBERSEN, G. Schleswig-Holsteins molke-relehr- und untersuchungsanstalt in Malente. Molke.-Ztg. 5:547. May 24, 1951. 44.8 M735
- 70110 GT. BRIT. MILK MARKETING BOARD. PRODUCTION DIV. Report, No. 1, 1950. Thames Ditton, Eng., 1951? 92 p. 44.9 G793
- 70111 GREENE, S. H. How it began—some elements of industry progress. Pacific Dairy Rev. 55(6):63. June 1951. 286.85 P11
- California.
- 70112 GRIFFITHS, L. H. Floor surfacing for dairies. Dairyman 68:403,405,407. July 1951. 44.8 D1426
- 70113 GUERAULT, A. M. L'industrie laitière; organisation et gestion des entreprises. Ed. 2. Paris, 1951. 212 p. 281.344 G93L
- 70114 HARPER, F. C. Internal finishes for small dairy buildings. Dairyman 68:417,419,421,423. July 1951. 44.8 D1426
- 70115 HAUNOLD, J. Molkereineubauten in Nieder-österreich. Landwirtschaft 1951:168-169. May 1951. 19 L235
- 70116 HENDRIX, L. Trends in the dairy industry in Idaho. Pacific Dairy Rev. 55(6):45-46. June 1951. 286.85 P11
- 70117 HOLBROOK, N. K. Growth of dairy industry in Utah phenomenal. Pacific Dairy Rev. 55(6):56-57. June 1951. 286.85 P11
- 70118 JAGGARD, G., and RANSOM, M. W. Yoghurt in review. Amer. Milk Rev. 13(7):46-47. July 1951. 44.8 Am38
- 70119 JOHNSON, G. F. Visual aids in dairy extension. (Abs.) J. Dairy Sci. 34:511. June 1951. 44.8 J822
- 70120 JONES, R. E. The founding and growth of Pacific Dairy Review. Pacific Dairy Rev. 55(6):26,28,30,32,34. June 1951. 286.85 P11
- 70121 KER, T. M. Butterfat. Guernsey Breeders' J. [London] (n.s.)5(2):32,36. Summer 1951. 43.8 G932
- 70122 KUGLER, J. H. 25 dairy industry bills passed by California legislature. Pacific Dairy Rev. 55(7):18. July 1951. 286.85 P11
- 70123 LAGGER, R. Orientierung über fragen der walliser milchwirtschaft. Schweiz. Zentbl. f. Milchwirt. 40:120-121. May 25, 1951. 44.8 Sch93
- Prices and situation.
- 70124 LEVITAN, M. What is yogurt? Skagit Co-op Dairyman 28(11):6-7. July 1951. 280.28 Sk1
- 70125 LOCATELLI, E. Why and how one must look ahead. (In Italian.) Mondo del Latte 1951:195-196,199, 201. Apr. 1951. 44.8 M74
- English summary.
- Policy in the Italian dairy industry.
- 70126 LUCKING, H. L. Twenty-five years of progress Ice Cream Indus. 27:637-639. June 1951. 389.8 Ic24
- Great Britain.
- 70127 MANDT, P. H. 50 years in the ice cream business. Ice Cream Rev. 34(12):76. July 1951. 389.8 Ic22
- 70128 MARSDEN, A. W. The literature of dairy science. Commonwealth Bur. Dairy Sci. Dairy Sci. Abs. 13:99-105. June 1951. 241 Im76
- 70129 MENGEIER, H. Wie fülle ich mein merkbuch aus? Molke.-Ztg. 5:373-374. Apr. 12, 1951. 44.8 M735
- 70130 MERISH, F. Double check your business efficiency. Milk Plant Mon. 40(6):42-44. June 1951. 44.8 C864
- Accounting for milk plants.
- 70131 MOLDAVAN, A. Dairy industry as a market. Canad. Food Indus. 22(7):16-17. July 1951. 286.83 C166
- 70132 MORSE, T. D. The future of dairying. Holstein-Friesian World 48:1489,1518 a-1518 b. July 7, 1951. 43.8 M742
- 70133 NATIONAL DAIRY FEDERATION. Annual report for the year ended 30th April, 1951. Wellington, 1951. 12 p. 44.9 N2173
- 70134 NELSON, J. A. Dairy industry in Montana. Pacific Dairy Rev. 55(6):61. June 1951. 286.85 P11
- 70135 NESS, A. R. How Canada became one of the important dairy countries of the world. Farmer's Advocate & Home Mag. 86(3402):5,28. July 12, 1951. 7 F22
- 70136 NEWTON, J. T. Looking ahead in the dairy industry. Dairy B. 5(2):6. Feb. 1951. 44.9 W63
- 70137 OLSEN, F. Dairying opportunities in Washington unlimited. Pacific Dairy Rev. 55(6):55. June 1951. 286.85 P11
- 70138 100 YEARS ago Jesse Williams founded our cheese industry. Hoard's Dairyman 96:467. June 10, 1951. 44.8 H65
- 70139 POMPA, A. The chequered development of trade organisation. Ice Cream Indus. 27:663-664,666-667. June 1951. 389.8 Ic24
- Great Britain.
- 70140 RAMIREZ S., C. La leyenda del queso. Agr. del Norte 40:123-124. July/Aug. 1950. 9.3 So14
- 70141 RUEHE, H. A. It's spring again! Butter Ideas 4(8):1-7. Apr. 1951. 44.8 B984
- Cream care and handling, flavors, grading, and testing.
- 70142 SCHUTTAUF, W. Milch, butter und margarine in der agrarian Westeuropas. Unentbehrliche Margarine-Industrie, p.2,4. In Milch-Fettwaren-Eierhandel 3(36). May 11, 1951. 286.85 M59
- 70143 SINGH, D. The present position of dairy industry in Indian Union and future lines of its development. Indian Farming 11:357-367. Aug. 1950. 22 In283
- 70144 SIRRI, A. Produce more butter and meat and less cheese. (In Italian.) Cam. di Com. Indus. ed Agr. di Modena. B. Mens. 57:189-190. Mar. 1951. 280.9 M722
- 70145 STICHTING VOOR DEN LANDBOUW. Beteke-nis en bestemming der nederlandse melk- en zuivel-productie [Importance and outlook of Netherlands milk and dairy products]. 's-Gravenhage? 1950. 140 p. 44 St53
- Algemeene Nederlandsche Zuivelbond, cooperating.
- 70146 SUTHERLAND, R. America's cheese centennial, 1851-1951. Kraftsman, Prod. Ed. 9(3):3-4. May/June 1951. 44.8 K85
- 70147 THOM, E. Straight line production. Ice Cream Rev. 34(12):46-47,80-84. July 1951. 389.8 Ic22
- Milk plant construction and layout.
- 70148 TUINMAN, A. S. The butter and cheese situation in Canada. (In Dutch.) Landb. Wereldnieuws 6:345-347. June 2, 1951. 12 L237
- 70149 WELCH, R. F. Flint Ideal Dairy at Tucson, Arizona. Milk Plant Mon. 40(6):18-20,22. June 1951. 44.8 C864
- 70150 WILSTER, G. H. Changes in Oregon's dairy industry in 50 years. Pacific Dairy Rev. 55(6):43-44. June 1951. 286.85 P11
- 70151 ZENTRALVERBAND SCHWEIZERISCHER MILCHPRODUZENTEN. Beschlüsse der delegiertenversammlung vom 24. april 1951 über milchverkäufe, milch-versorgung und milchverarbeitung im sommerhalbjahr 1951. Schweiz. Zentbl. f. Milchwirt. 40:97-98. Apr. 27, 1951. 44.8 Sch93
- Analysis and Composition
- 70152 BAERTICH, E. Die aminosäuren; der nährwert der milch wird durch ihren gehalt an aminosäuren im eiweiss massgeblich bestimmt. Molke.-Ztg. 5:560-562. Ref. May 24, 1951. 44.8 M735
- 70153 BENNETT, F. W., and NELSON, F. E. Action of certain viricidal agents on lactic streptococcus bacteriophage. (Abs.) J. Dairy Sci. 34:479-480. June 1951. 44.8 J822
- 70154 BHAT, J. V., and SIDHWA, C. The influence of some microbial cultures on acidity development in butter. Bombay. U. J. Sect. B, Biol. Sci. (n.s.)19(3):11-17. Ref. Nov. 1950. 513 B633
- 70155 BIRD, E. W., PATEL, D. J., and HANDWERK, R. L. Detection of vegetable fat in milk fat by the tocopherol determination. (Abs.) J. Dairy Sci. 34:484. June 1951. 44.8 J822
- 70156 BROUWER, T. The disturbing effect of potassium dichromate on the Storch reaction. (In Dutch.) Zuivelbereiding en- Handel 57:483-484. June 19, 1951. 44.8 N282
- 70157 CHETHAM, A. W. G. Ice cream and the methylene blue test. 2. Dairy Indus. 16:562-563. June 1951. 44.8 D1427

- 70158 CLAIBORNE, F. B., and COX, K. E. The direct microscopic count on preserved milk samples: an effective measure for uniform state-wide control. *J. Milk & Food Technol.* 14:105-108. May/June 1951. 44.8 J824
- 70159 COSTILOW, R. N., and SPECK, M. L. The effect of lipase activity or the products of such activity upon the growth of certain microorganisms in milk. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:26. 1950. 44.8 39 Sol2A
- 70160 DOETSCH, R. N., and SCOTT, W. M. Bacteriological aspects of market milk as consumed in the household. *Milk Plant Mon.* 40(6):24-26. June 1951. 44.8 C864
- 70161 FRARY, G. G. Report on ash and acidity of milk and evaporated milk. *Assoc. Off. Agr. Chem. J.* 34: 239-243. May 15, 1951. 381 As7
- 70162 GNAGY, M. J. Report on gums in soft curd cheese. *Assoc. Off. Agr. Chem. J.* 34:361-368. May 15, 1951. 381 As7
- 70163 GOPALAKRISHNA, B. N., and IYA, K. K. Studies on the coliform bacteria in milk. 2. Biochemical activity in milk. *Indian J. Dairy Sci.* 4:1-7. Ref. Mar. 1951. 44.8 In28
- 70164 GREENBANK, G. R. The esterifying enzyme(s) of milk; a preliminary report. (Abs.) *J. Dairy Sci.* 34: 478. June 1951. 44.8 J822
- 70165 GREENBERG, R. A., NELSON, W. O., and WOOD, W. A. The field estimation of water-insoluble acids in cream. (Abs.) *J. Dairy Sci.* 34:477. June 1951. 44.8 J822
- 70166 HALL, W. L. Report on vitamin C in evaporated milk. *Assoc. Off. Agr. Chem. J.* 34:380. May 15, 1951. 381 As7
- 70167 HANDWERK, R. L., and BIRD, E. W. Determination of unoxidized tocopherols in milk fat. (Abs.) *J. Dairy Sci.* 34:484. June 1951. 44.8 J822
- 70168 HÄNNI, H. Zur methodik der nitrit- und nitratbestimmung in milch und milchprodukten. *Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg.* 42:114-126. Ref. 1951. 389.9 Sw6
- 70169 HARTLEY, C. B., and JEZESKI, J. J. A study of the microflora of blue cheese slime. (Abs.) *J. Dairy Sci.* 34:485. June 1951. 44.8 J822
- 70170 HEYNDRIKX, G. V., and VLEESCHAUWER, A. DE. Electrophoretic studies of milk. I. Investigations on colostrum of dairy cows. *Biochim. et Biophys. Acta* 6(3):487-493. Jan. 1951. 381 B522
- 70171 HILGEMAN, M., and JENNESS, R. Observations on the effect of heat treatment upon the dissolved calcium and phosphorus in skim milk. (Abs.) *J. Dairy Sci.* 34:483-484. June 1951. 44.8 J822
- 70172 HIRSCH, A. The bacteriology of cream and butter. *Austral. Dairy Rev.* 19(4):16-17. Apr. 2, 1951. 44.8 Au73
- 70173 HOCK, W. L., JR., KRETT, O. J., and HUS-SONG, R. V. A chromatographic method for the determination of the lower fatty acids in cheese. (Abs.) *J. Dairy Sci.* 34:476. June 1951. 44.8 J822
- 70174 HOFFMANN, H. J. Report on detection of added water by the serum tests. *Assoc. Off. Agr. Chem. J.* 34:248-251. May 15, 1951. 381 As7
- In milk.
- 70175 HOFFMANN, S. Mikrobiologische konsummilchprobleme. *Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg.* 42:127-150. 1951. 389.9 Sw6
- Bacteria.
- 70176 HORWITZ, W. Report on dairy products. *Assoc. Off. Agr. Chem. J.* 34:236-239. May 15, 1951. 381 As7
- Analysis.
- 70177 HOYOS, R. Wasser- und bakterienverteilung in der "Fritz"-butter. *Milchwissenschaft* 6:201-205. June 1951. 44.8 M5933
- English summary.
- 70178 JARROUSSE, H., LAMBERT, P., and PE-TRANSXIENE, D. Le test de la phosphatase appliqué au contrôle de la pasteurisation en beurrerie. *SPEL; B. Int. d'Inform. et de Doc.* 6:31-35. Jan./Feb. 1951. 44.8 Sp1
- 70179 JAX, P. Wissenswerter über die phosphataseprobe. *Osterr. Milchwirt.* 6:49-50. Feb. 21, 1951. 44.8 Os72
- Milk.
- 70180 JEZESKI, J. J., and others. The effect of bleaching with benzoyl peroxide on the vitamin A potency of milk and blue cheese. (Abs.) *J. Dairy Sci.* 34:485. June 1951. 44.8 J822
- S. Kuramoto, W. B. Combs, and H. A. Morris, joint authors.
- 70181 KANNAN, A., and BASU, K. P. Energy of activation of hydrolysis of sodium phenyl phosphate by milk phosphatase and on the inactivation of the enzyme by heat. *Indian J. Dairy Sci.* 4:8-15. Ref. Mar. 1951. 44.8 In28
- 70182 KASTLI, P., and BINZ, M. La viabilité de *Mycobacterium tuberculosis* dans différentes sortes de fromages. (Extr.) *Voix de l'Élevage (ser. 4)* 7(10):3. (Cont.) May 31, 1951. 44.8 Ac8
- 70183 KOSIKOWSKY, F. V. The effectiveness of the Cornell phosphatase test for dairy products. (Abs.) *J. Dairy Sci.* 34:481. June 1951. 44.8 J822
- 70184 KRETT, O. J., and STINE, J. B. The role of the lower fatty acids in Swiss cheese. (Abs.) *J. Dairy Sci.* 34:476. June 1951. 44.8 J822
- 70185 KRIENKE, W. A., and FOUTS, E. L. The cryoscope as an aid in the detection of neutralized cream. (Abs.) *J. Dairy Sci.* 34:478. June 1951. 44.8 J822
- 70186 KRISHNASWAMY, M. A., and BABEL, F. J. Partition of lactose, citric acid and blacetyl during the manufacture of cottage cheese. (Abs.) *J. Dairy Sci.* 34: 485-486. June 1951. 44.8 J822
- 70187 KRUKOVSKY, V. N., and YORK, B. Additional biochemical properties of fresh milk influencing the development of oxidized flavors. (Abs.) *J. Dairy Sci.* 34: 484-485. June 1951. 44.8 J822
- 70188 KURTZ, G. W., PRICE, E. F., and PATTON, S. Studies on 2-thiobarbituric acid as a reagent for detecting milk fat oxidation. (Abs.) *J. Dairy Sci.* 34:484. June 1951. 44.8 J822
- 70189 LARSON, B. L., and others. An evaluation of the methods used to determine the baking quality of nonfat dry milk solids. (Abs.) *J. Dairy Sci.* 34:487-488. June 1951. 44.8 J822
- R. Jenness, W. F. Geddes, and S. T. Coulter, joint authors.
- 70190 LARSON, B. L., and JENNESS, R. The sulfhydryl groups of milk serum proteins. (Abs.) *J. Dairy Sci.* 34:483. June 1951. 44.8 J822
- 70191 LEVINE, B. S. Improving staining procedures in the direct microscopic examination of milk. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:56. 1950. 44.8 39 Sol2A
- 70192 LING, E. R. The determination of lactic acid in milk. *J. Sci. Food & Agr.* 2:279-288. June 1951. 382 Sol2
- 70193 MASKELL, K. T., HARGROVE, R. E., and TITSLER, R. P. A preliminary report on the bacteriology of Provolone and Romano cheese. (Abs.) *J. Dairy Sci.* 34:476. June 1951. 44.8 J822
- 70194 MEHTA, K. M. Relation between some analytical constants of ghee. (Abs.) *Indian Sci. Cong. Proc.* 36(3):193-194. 1949. 513 In22
- 70195 MITCHELL, L. C. Report on lactic acid in dairy products (chromatographic method). *Assoc. Off. Agr. Chem. J.* 34:252-260. May 15, 1951. 381 As7
- 70196 MORRIS, H. A., and others. Estimation of the serum protein content as a method of evaluating nonfat dry milk solids for use in cottage cheese manufacture. (Abs.) *J. Dairy Sci.* 34:487. June 1951. 44.8 J822
- S. T. Coulter, W. B. Combs, and L. R. Heinzel, joint authors.
- 70197 MULL, L. E., and NELSON, F. E. Mutation to bacteriophage resistance in pure cultures of lactic streptococci. (Abs.) *J. Dairy Sci.* 34:479. June 1951. 44.8 J822
- 70198 PARMELEE, C. E., and BABEL, F. J. Studies on the water-insoluble acids, butyric acid and fat acidity of butter. (Abs.) *J. Dairy Sci.* 34:478. June 1951. 44.8 J822
- 70199 PELCZAR, M. J., JR., and BROWN, J. H. Synthetic culture media for reference use in dairy bacteriology. *J. Milk & Food Technol.* 14:90-91, 97. May/June 1951. 44.8 J824
- 70200 PESSIN, V., and BLACK, L. A. A comparative study of six agars proposed for bacterial plate counts of milk. *J. Milk & Food Technol.* 14:98-102. May/June 1951. 44.8 J824
- 70201 PETERS, I. I., KESTER, L. T., and NELSON, F. E. Butyric acid and water-insoluble acid values of cream held at temperatures of 38° to 85° F. (Abs.) *J. Dairy Sci.* 34:477-478. June 1951. 44.8 J822
- 70202 RAMÍREZ ROMERO, G. Una prueba práctica para la acidez en la leche. *Acta Agron.* 1:71-74. Ref. Apr. 1951. 9.4 Ac8
- 70203 RANDOIN, L., and VATINEL, C. Détermination des teneurs en matière sèche, en calcium et en phosphore des principaux fromages français à pâte molle. *Lait* 31: 113-121. Mar./Apr. 1951. 44.8 L143
- 70204 ROEDER, G. Ist pasteurisierte milch keimfrei? *Deut. Milchhandels Ztg.* 73:230-231. (Cont.) Apr. 20, 1951. 44.8 D48

70205 ROEDER, G. Zur bestimmung des butter-wassergehaltes. *Molk.-Ztg.* 5:691-692. June 21, 1951. 44.8 M735

70206 ROSELL, J. M., and MINUT, J. Leches humanizadas. *Indus. Lech.* 33:119-122, 124-126, 128, 130-131. (To be cont.) Mar. 1951. 44.8 In26
Composition.

70207 SAGER, O. S., SANDERS, G. P., and HUPFER, J. A., JR. Influences of buffer concentrations, pH values and incubation temperatures on sensitivity and accuracy of phosphatase tests. (Abs.) *J. Dairy Sci.* 34:481-482. June 1951. 44.8 J822

Dairy products.

70208 SCHÖNBERG, F. Zur brauchbarkeit der tetrazolumsalze für die reduktaseprobe (indirekte keimzahlbestimmung) in milch. *Lebensmitteltierarzt* 2:52-56. Apr. 1951. 41.8 L49

70209 SCOTT, D. B. Report on extraneous materials in dairy products. *Assoc. Off. Agr. Chem. J.* 34:350-354. May 15, 1951. 381 As7

70210 SENER, M. E. Variation in test of fresh milk due to mixing procedure. (Abs.) *J. Dairy Sci.* 34:511. June 1951. 44.8 J822

70211 SILVA FILHO, F. S. DA. Laboratory tests in the control of type A pasteurized milk. (In Portuguese.) *B. de Indús. Anim. (n.s.)* 11(3/4):109-113. Dec. 1950. 49 R324

70212 SPISNI, D. Chemical composition and biological value of goats' milk. (In Italian.) *Clin. Vet.* 74:70-84. Mar. 1951. 41.8 C61

70213 TARASSUK, N. P., and SIMONSON, H. D. Gel formation and fat separation in evaporated milk as affected by the state of milk proteins. (Abs.) *J. Dairy Sci.* 34:482. June 1951. 44.8 J822

70214 TRACY, P. H., HETRICK, J. H., and KRIENKE, W. A. Effect of spraying pressure and orifice size on the physical characteristics and keeping quality of spray-dried whole milk. *J. Dairy Sci.* 34:583-592. June 1951. 44.8 J822

70215 TRENDTEL. Untersuchungen über tropenfähigkeit von trockenmilch. *Molk.-Ztg.* 5:545-546. May 24, 1951. 44.8 M735

70216 VENKATASUBRAMANIAN, T. A., and BANERJEE, B. N. Linoleic acid content and detection of adulteration of ghee (butter-fat). (Abs.) *Indian Sci. Cong. Proc.* 36(3):82. 1949. 513 In22

70217 WEBER, A. L. Report on the preparation of butter samples. *Assoc. Off. Agr. Chem. J.* 34:243-247. May 15, 1951. 381 As7

70218 WEINSTEIN, B. R., DUNCAN, C. W., and TROUT, G. M. Isolation and characterization of a whey constituent capable of producing the solar-activated flavor. (Abs.) *J. Dairy Sci.* 34:482. June 1951. 44.8 J822

70219 WHITE, J. M. "Watch dog" for state's dairy industry makes 2,000 laboratory tests annually. *N. Mex. Stockman* 16(7):51. July 1951. 49 N462

70220 WHITNEY, R. M., PAULSON, K., and MURTHY, G. K. A test of the heat stability of milk proteins for use in research. (Abs.) *J. Dairy Sci.* 34:483. June 1951. 44.8 J822

70221 WILKOWSKE, H. H., KRIENKE, W. A., and FOUTS, E. L. Effect of penicillin on certain microorganisms in milk. (Abs.) *J. Dairy Sci.* 34:479. June 1951. 44.8 J822

70222 WILKOWSKE, H. H., and KRIENKE, W. A. Influence of penicillin in milk on total and coliform bacteria plate counts. *J. Milk & Food Technol.* 14:92-94. May/June 1951. 44.8 J824

Consumption and Utilization

70223 GENIN, G. L'acide lactique et les lactates; leur emploi aux États-Unis dans l'industrie des plastiques. *Lait* 31:204-213. Mar./Apr. 1951. 44.8 L143

70224 GORDON, W. G. Unique place of the milk proteins. *U. S. D. A. Ybk.* 1950/51:628-630. 1 Ag84Y
Uses.

70225 KRETSCHMER, K. Die verwendung von kasein. *Osterr. Milchwirt.* 6:22-24. Jan. 21, 1951. 44.8 Os72

70226 KRIESEL, H. C. Our hidden milk reserve. *Agr. Situation* 35(6):3-5. June 1951. 1 Ec7Ag

Consumption of milk solids-not-fat and the supply available in dairy products.

70227 VUKOV, J. Gedanken zur molkenverwertung. *Osterr. Milchwirt.* 6:18-20. Jan. 21, 1951. 44.8 Os72
Utilization.

70228 WEBB, B. H. Use of milk in manufactured foods. *U. S. D. A. Ybk.* 1950/51:679-682. 1 Ag84Y

Distribution, Marketing, and Transportation

70229 BOYSEN, H. Die hauptversorgungsgebiete für Hamburg. B. Die milchverwertung in Schleswig-Holstein. *Molk.-Ztg.* 5:540-544. May 24, 1951. 44.8 M735

70230 BRYANT, C. B. A. Florida producers using tank trucks. *Calif. Dairyman* 31(11):10-11, 16. June 30, 1951. 44.8 C12
Dairy equipment.

70231 CALIFORNIA. AGRICULTURAL EXPERIMENT STATION, BERKELEY. Cost and pricing problems in wholesale milk delivery in the Los Angeles market, by D. A. Clarke, Jr. Berkeley, 1951. 29 p. 281.344 C124

70232 COLAM, E. E. F. Cream is here again. *Dairyman* 68:349, 351, 353. June 1951. 44.8 D1426

Marketing in Great Britain.

70233 CROTHERS, W. V. Rail transport for milk. *Milk Bd. J.* 2:179. Apr. 15, 1951. 44.8 M5934

70234 DEHAVEN, G. Milk receiving operations. *South. Dairy Prod. J.* 50:28, 74, 76, 78. July 1951. 44.8 So83

70235 EASTMAN, R. A revolution in milk. *Metrop. Milk Prod. News* 11(7/8):14, 16, 20-21. July/Aug. 1951. 280.28 M56

Advertising.

70236 FRENSEL, O. Refrigerated transportation of milk in Brazil. (In Portuguese.) *B. do Leite* 4(43):1. Jan. 1951. 44.8 B633

70237 GROVES, W. F. In exchange—a priceless gift; commemorating the Dairy Month of June in America, a dairy farmer offers a tribute to the dairy cow. *Hoard's Dairyman* 96:463. June 10, 1951. 44.8 H65

70238 HAASE, W. Die hauptversorgungsgebiete für Hamburg. A. Das nördliche Niedersachsen als liefergebiet. *Molk.-Ztg.* 5:537-539. May 24, 1951. 44.8 M735

70239 KITCHEN, E. The Dairy Farmers' big promotion campaign. *Farmer's Advocate & Home Mag.* 86(3400):6, 34. June 14, 1951. 7 F22
Dairy Farmers of Canada.

70240 LEHMANN, F. Steuerung des deutschen buttermarktes. *Molk.-Ztg.* 5:369. Apr. 12, 1951. 44.8 M735

70241 MAHLE, G. C. Selling butter to the consuming public. *South. Dairy Prod. J.* 50:27 66-67. July 1951. 44.8 So83

70242 NEW ZEALAND. DAIRY PRODUCTS MARKETING COMMISSION. Third annual report and statement of accounts for the year ended 31st July, 1950. Palmerston North, 1951. 96 p. 280.3449 N486

70243 RAMSTAD, P. E. Milk vending machines. *Pure Milk* 25(6):14. June 1951. 280.28 P97

70244 RAMSTAD, P. E., and HOLLAND, R. F. Selecting vending equipment. *Amer. Milk Rev.* 13(7):34, 36, 38. July 1951. 44.8 Am38
For milk.

70245 RIPPETEAU, M. The farmer markets his milk. *Ill. Agr. Assoc. Rec.* 29(6):8-9. June 1951. 6 IL62

70246 SAAR, J. Die ordnung im milcheinzugsgebiet. *Osterr. Milchwirt.* 6:54-55. Feb. 21, 1951. 44.8 Os72

70247 SCHULZ, W. G. A new market opens up as our fluid milk goes overseas. *Hoard's Dairyman* 96:503, 508-509. June 25, 1951. 44.8 H65

Canned whole milk.

70248 SPENCER, L. Market for fresh concentrated milk. *Metrop. Milk Prod. News* 11(7/8):17-18. July/Aug. 1951. 280.28 M56

70249 SPENCER, L. Sweden's way with dairy co-ops. *Grain Prod. News* 4:19-22. June 1951. 286.81 G764

70250 SWAYER, W. J. How your ADA money is spent. *Hoard's Dairyman* 96:501, 521. June 25, 1951. 44.8 H65

70251 VARNEY, H. H. Detroit area Federal milk marketing order. *Mich. Milk Messenger* 33(3):1, 4. July 1951. 44.8 M582

70252 WERNER, R. J. It's Dairy Month!—industry, as asset to country, must increase merchandising goal by 22%. *West. Dairy J.* 7(8):35. June 1, 1951. 44.8 W524

70253 WOODRUFF, A. C. Green Valley Farms adopts bulk system for collecting milk on farms. *Milk Plant Mon.* 40(6):72-75. June 1951. 44.8 C864

70254 YOHALEM, A. E. Automatic vending machines create new dairy markets. *South. Dairy Prod. J.* 50:34, 90-91. July 1951. 44.8 So83

Grading, Inspection, Standardization, and Quality

70255 ALEXANDER, M. H., and ORMISTON, E. E. Methods of milking and milk handling as factors affecting the quality and economy of milk produced. (Abs.) *J. Dairy Sci.* 34:503-504. June 1951. 44.8 J822

70256 BREDE, H. Welche Änderungen bringt die neue butter- und käseverordnung? *Molk.-Ztg.* 5:683-686. June 21, 1951. 44.8 M735
Germany.

70257 COSTILOW, R. N., and SPECK, M. L. Bacteria fail when milk turns rancid. *Res. & Farming* [N. C. Sta.] 9(3):5. Winter 1951. 100 N81R

70258 DEAN, B. H., and LONGSHORE, W. A., JR. Disease transmission through raw milk. *Calif. Health* 8: 153-155. Apr. 30, 1951. 44.8 C12

70259 DUNKLEY, W. L., and others. Hydrolytic rancidity in milk. I-II. *J. Dairy Sci.* 34:515-528. Ref. June 1951. 44.8 J822

H. Fredeen, J. E. Bowstead, and L. M. Smith, joint authors.

70260 GHIGGOILE, O. A. Agricultural code provisions protect California market milk supply. *Calif. Dairyman* 31(11):12-13. June 30, 1951. 44.8 C12

70261 GROSJEAN, A. Le problème du lait de consommation. *Ann. de Méd. Vét.* 95:101-126. Mar. 1951. 41.8 An78

Tuberculosis, brucellosis, and mastitis and milk sanitation.

70262 HUTTON, J. T., and JOSEPHSON, D. V. A tactual flavor defect of dried milk. (Abs.) *J. Dairy Sci.* 34:488. June 1951. 44.8 J822

70263 KELLER, H. Ansaure milch in der molkerlei unbrauchbar. *Unser Milchvieh* 3(6):5-6. In *Molk.-Ztg.* 5(23). June 7, 1951. 44.8 M735

Problems of quality.

70264 KRAUME. Massnahmen zur verbesserung der milchhygiene im lande Nordrhein-Westfalen. *Lebensmitteltierarzt* 2:33-37. Mar. 1951. 41.8 L49

70265 LOUGHARY, F. A. The Golden Guernsey story. *West. Dairy J.* 7(8):9, 11. June 1, 1951. 44.8 W524

70266 MCCALLUM, D. H. Quality control from cow to consumer. *Canad. Dairy & Ice Cream J.* 30(6):29-31, 64, 66, 72. June 1951. 44.8 C162

70267 MACKENZIE, P. K. Ice cream standards. *Milk Indus.* 32:60-64. July 1951. 44.8 M593

70268 MARQUARDT, J. C. New York State's active cheese improvement program. *Amer. Dairy Prod. Mfg. Rev.* 13(2):14, 16. Feb. 1951. 44.8 Am37

70269 NEWMAN, R. W. California milk is pure! *Calif. Dairyman* 31(11):14. June 30, 1951. 44.8 C12

70270 OLIVERO BLANCO, C. D. Normas generales que rigen las presentaciones ante la administración nacional. *Indus. Lech.* 33:134, 137-140, 142. Mar. 1951. 44.8 In26

Dairy industry regulation in Argentina.

70271 REHBERG, W. A. The keeping quality of dehydrated milk. *Butter, Cheese & Milk Prod. J.* 42(7):70. July 1951. 286.85 B98Bu

70272 SAITNER, M. Die DLG-butterprüfung 1951. *Molk.-Ztg.* 5:605. May 31, 1951. 44.8 M735

70273 SCHUCH, K. Die milchverfälschungen in den letzten vier jahren. *Osterr. Milchwirt.* 6:36-37. Feb. 7, 1951. 44.8 Os72

70274 SMITH, K. N., and HOOD, E. G. A gassy defect in pineapple cream cheese. *Canad. Dairy & Ice Cream J.* 30(6):38, 70. June 1951. 44.8 C162

70275 STEIN, M., and SONENSHEIN, I. L. Recent court decisions on municipal milk inspection. *Pub. Health Rpt.* 66:898-902. Ref. July 13, 1951. 151.65 P96

70276 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of Cheddar cheese. *Washington, 1950.* 5 p. 1.9422 D32C412

70277 VERCESI, E. G. The oxidation of milk fats and the action of the anti-oxidisers. (In Italian.) *Mondo del Latte* 1951:208, 211, 213-214, 217. Apr. 1951. 44.8 M74
English summary.

70278 WEINSTEIN, B. R., TROUT, G. M., and DUNCAN, C. W. The solar-activated flavor of homogenized milk. I-IV. *J. Dairy Sci.* 34:554-576. Ref. June 1951. 44.8 J822

I, Susceptibility of individual cow's milk, by B. R. Weinstein and G. M. Trout; II, The role of oxidation and the effectiveness of certain treatments, by B. R. Weinstein and G. M. Trout; III, Effect of deaeration, surface area of fat globules and relation of the Kreis test, by B. R. Weinstein and G. M. Trout; IV, Isolation and characterization of a whey constituent capable of producing the solar-activated flavor, by B. R. Weinstein, C. W. Duncan, and G. M. Trout.

Packing and Packaging

70279 BARNICOAT, C. R. Experiments on the packing and storage of butter, IX. The effect of pro-oxidants on the storage life of butter. *New Zeal. J. Sci. & Technol. A. Agr. Res. Sect.* 32(2):11-18. Ref. Aug. 1950. 514 N48A

70280 CACKLEY, C. T. New pallet and case developments appropriate for handling of milk. *Wooden Box & Crate* 13(2):23, 26, 28. Mar./Apr. 1951. 99.82 W857

70281 MEISER, J. A., JR. Retarding moisture loss and flavor deterioration in packaged ice cream. (Abs.) *J. Dairy Sci.* 34:486. June 1951. 44.8 J822

70282 MOORE, H. Properties of glass in relation to milk bottles. (Abs.) *Milk Messenger* 28(6):8. (To be cont.) June 1951. 44.8 M5925

70283 MUMMERY, W. R., MCDOWALL, F. H., and MCDOWALL, A. K. R. Quality of vegetable parchment wrappers in relation to the quality of butter. *New Zeal. J. Sci. & Technol. A. Agr. Res. Sect.* 32(3):1-14. Oct. 1950. 514 N48A

Prices, Price Control, and Rationing

70284 BROUGHTON, A. Will beef roll-backs affect milk? *Wis. Agr. & Farmer* 78(13):4. July 7, 1951. 6 W751

70285 BUHLE. Wann kommt endlich die milchpreiserhöhung? *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:919. June 21, 1951. 18 L2346

70286 GRUBER, H. Der spatz in der hand. *Kärntner Bauer* 101:323-324. June 15, 1951. 19 K14

Milk prices.

70287 JOHNSON, S. Connecticut dairy farmers prefer their seasonal price plan. *Hoard's Dairyman* 96:466, 487. June 10, 1951. 44.8 H65

70288 JOHNSON, S. Here's why the class I price is going down: how the Boston formula has operated since April 1948. *C. M. P. A. Bulletin* 32(381):2-3, 7. May 1951. 44.9 C768

70289 MERISH, F. The price of price-cutting. *Milk Plant Mon.* 40(7):28-30, 32. July 1951. 44.8 C864

Milk.

70290 MISNER, E. G. Support prices for dairy products. *Holstein-Friesian Assoc. Amer. Milk Mktg. News Let.* 2(4):1-3. 1951. 44.9 H74

70291 PRITCHARD, N. T. Producer butterfat differentials; how large should they be? Is it more profitable to sell milk with a high or a low butterfat test? *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:6-7. May 24, 1951. 275.29 In2Em

70292 SCHALLINGER, E. Dairy men stop price squeeze. *Calif. Farm Rptr.* 12(7):3. July 1951. 281.8 C12

Milk.

70293 STUBER, O. Warum fettgehaltsausbezahlung der käseiremilch? *Osterr. Milchwirt.* 6:8-9. Jan. 7, 1951. 44.8 Os72

70294 THOMA, F. Der milchpreis. *Osterr. Milchwirt.* 6:17-18. Jan. 21, 1951. 44.8 Os72

70295 VOPELIUS. Neuer preis für deutsche butter. *Deut. Milchhandels-Ztg.* 73:330. June 1951. 44.8 D48

70296 YOUNG, H. P. Future milk prices. *Metrop. Milk Prod. News* 11(7/8):7. July/Aug. 1951. 280.28 M56

Processing and Storage

70297 ANTONIANI, C. Preservation of milk by cold. (In Italian.) *B. dell'Agr.* 85(9):1. May 4, 1951. 16 B87
Freezing.

70298 ANTONIANI, C. Revolution in the milk trade? (In Italian.) *Gior. di Agr.* 61:159. May 20, 1951. 16 It1G
Frozen milk.

70299 AUCLAIR, J. Action inhibitrice de la pénicilline sur les lactobacilles utilisés dans la fabrication du Gruyère. *Lait* 31:121-133. Mar./Apr. 1951. 44.8 L143

70300 BABCOCK, C. J., and others. Preservation of chocolate drink by freezing. (Abs.) *J. Dairy Sci.* 34:488. June 1951. 44.8 J822

D. R. Strobel, R. H. Yager, and E. S. Windham, joint authors.

70301 BABCOCK, C. J. 2 to 1 it's milk. *Mktg. Activ.* 14(3/4):17-18. Mar./Apr. 1951. 1.942 A8M34
Concentrated milk.

70302 BARBER, F. W., and HODES, H. P. A culture suitable for use in evaluating methods of pasteurizing milk and ice cream mix. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:24-25. 1950. 448.39 So12A

70303 BARBER, F. W. H.T.S.T. pasteurization of the ice cream mix. *Ice Cream Trade J.* 47(6):52, 54, 95-96. Ref. June 1951. 389.8 Ic2

- 70304 BARIBO, L. E., and FOSTER, E. M. The proteases of *Streptococcus lactis* and *Lactobacillus casei* and their relationship to cheese ripening. (Abs.) *J. Dairy Sci.* 34:475-476. June 1951. 44.8 J822
- 70305 BARRETT, R. B. The functions of alternate cleaning. *South. Dairy Prod. J.* 50:98-99,101. July 1951. 44.8 So83
- 70306 BARROSO, G. La elaboración del queso. *España Agr.* 1950:10-11. Sept.1950. 335.8 Es6
- 70307 BASSETT, H. J., SPURGEON, K. R., and SWANSON, A. M. A study of changes in cheese protein during ripening. (Abs.) *J. Dairy Sci.* 34:475. June 1951. 44.8 J822
- 70308 BRYANT, C. B. A. Bulk handling of milk—California. *Amer. Milk Rev.* 13(7):14-16. July 1951. 44.8 Am38
- 70309 BUYENS, H. J., and PRICE, W. V. Brick cheese. (Abs.) *J. Dairy Sci.* 34:486. June 1951. 44.8 J822
- Manufacture.
- 70310 CHAPMAN, A. M. Milk in the home needs special care. *Queensland Prod.* 32(38):25,32. Mar. 21, 1951. 23 Q35
- 70311 COULTER, S. T., JENNESS, R., and GEDDES, W. F. Physical and chemical aspects of the production, storage and utility of dry milk products. In *Mrak, E. M., and Stewart, G. F., eds. Advances in food research, v. 3, p.45-118. Ref. New York, Acad. Press, 1951. 389 M87*
- 70312 CULLITY, M. Factors influencing the production of clean milk. *Milk Bd. J.* 2:193,195,197. Apr. 15, 1951. 44.8 M5934
- 70313 DAVIS, J. G. Refrigeration in the dairy industry today. *Dairyman* 68:327-331,333,335. June 1951. 44.8 D1426
- 70314 DAVIS, J. G. Últimos progresos en equipos para la industria lechera. *Indus. Lech.* 33:143-145,147, 149-150. Mar. 1951. 44.8 In26
- 70315 DEANE, D. D., and NELSON, F. E. Multiple strain bacteriophage infection of a lactic culture used for manufacture of blue cheese. (Abs.) *J. Dairy Sci.* 34:479. June 1951. 44.8 J822
- 70316 DECKER, C. W. Strawberry ice cream. *Canad. Dairy & Ice Cream J.* 30(6):46,48,50. Ref. June 1951. 44.8 C162
- Manufacture.
- 70317 DUMAIS, R. Le ferment lactique; pourquoi et comment le préparer. *Québec Lait.* 10(5):16-19. May 1951. 44.8 Q3
- 70318 ERIKSSON, G. An institution for dairy research in Kiel. (In Swedish.) *Lantmannen* 35:457-459. June 9, 1951. 11 L234
- 70319 FAGEN, H. J., STINE, J. B., and HUSSONG, R. V. The identification of sugars in cheddar cheese during the initial stages of ripening. (Abs.) *J. Dairy Sci.* 34:476. June 1951. 44.8 J822
- 70320 FRIEDMAN, M. E., and WOOD, W. A. The amino acid requirements of *Bacterium linens*. (Abs.) *J. Dairy Sci.* 34:481. June 1951. 44.8 J822
- 70321 GAVEL, L. VON. Zum problem der aktivierenden wirkung subletaler hitze auf bakteriensporen. *Arch. f. Mikrobiol.* 16:28-39. 1951. 44.2.8 Ar26
- In the dairy industry.
- 70322 GIULIANI, R. Improvement of the production of Grana cheese. (In Italian.) *Lotte Contadine* 2(1):7. Jan. 5, 1951. 16 L91
- 70323 GRAVES, R. R., and MEYER, J. Canned fresh milk is being produced commercially on the West Coast. *Amer. Milk Rev.* 13(7):40-42,60. July 1951. 44.8 Am38
- 70324 GREENE, V. W., and JEZESKI, J. J. The effect of low temperatures on the growth and biochemical activity of certain microorganisms important to the dairy industry. (Abs.) *J. Dairy Sci.* 34:480. June 1951. 44.8 J822
- Cultures.
- 70325 GROSCHKE, C. A., SPECK, M. L., and LUCAS, H. L. Bacteriological aspects of high-temperature short-time pasteurization of ice cream mix. (Abs.) *J. Dairy Sci.* 34:481. June 1951. 44.8 J822
- 70326 HALES, M. Cultures and starters for cheese-making. *Independ. Prod. Guide* 15(6):11. June 1951. 44.8 In27
- 70327 HARE, J. H., and BAKER, B. E. The precipitation of whey proteins using waste sulphite liquor. *Canad. J. Technol.* 29:332-336. July 1951. 470 C16F
- 70328 HARLAND, H. A., COULTER, S. T., and JENNESS, R. The effect of various steps in manufacture on the extent of serum protein denaturation in nonfat dry milk solids. (Abs.) *J. Dairy Sci.* 34:487. June 1951. 44.8 J822
- 70329 HARPER, W. J. Lipase system of rennet pastes with reference to the ripening of Italian varieties of cheese. (Abs.) *J. Dairy Sci.* 34:477. June 1951. 44.8 J822
- 70330 HARTL, H. Eine österreichische zerstäubungs-trockenanlage für milch. *Osterr. Milchwirt.* 6:33-35. Feb. 7, 1951. 44.8 Os72
- 70331 HERZ, H. Recent aspects in the development of dairy equipment. (In Dutch.) *Zuivelbereiding en-Handel* 57:461-462. June 12, 1951. 44.8 N282
- 70332 HOLTORFF, A. F., MULARZ, V., and TRAI-SMAN, E. A study of process cheese emulsifiers. (Abs.) *J. Dairy Sci.* 34:486. June 1951. 44.8 J822
- 70333 HONER, C. J., and TUCKEY, S. L. The order of appearance of amino acids during ripening of cheddar cheese as determined by paper chromatography. (Abs.) *J. Dairy Sci.* 34:475. June 1951. 44.8 J822
- 70334 HOURAN, G. A. The separation of cold milk. *South. Dairy Prod. J.* 50:64,114. July 1951. 44.8 So83
- 70335 HÜBNER, K. Plattenapparate zum erhitzen und kühlen von milch und rahm. *Molk.-Ztg.* 5:552-558. May 24, 1951. 44.8 M735
- 70336 INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS. DEPT. OF STATISTICS AND ACCOUNTING. Trends in ice cream costs, 1949. *Internat. Assoc. Ice Cream Mfr. Spec. B.* 79,36 p. Apr. 1951. 389.9 In835
- 70337 JACK, E. L. Research as it affects the milk sanitarian. *J. Milk & Food Technol.* 14:114-115. May/June 1951. 44.8 J824
- 70338 JENSEN, H. La pasteurización y refrigeración de la leche para la fabricación de derivados. *Res* 19:25942-25943. May 5, 1951. 286.85 R31
- 70339 JOHNSTONE, D. B. Effect of aureomycin upon acid production by cheese starters. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:26-27. 1950. 448.39 So12A
- 70340 KAISER, F. Milchverwertung bei der Nähr-mittelindustrie Ges. m. b. H. in Gmünd. *Osterr. Milchwirt.* 6:35-36. Feb. 7, 1951. 44.8 Os72
- 70341 KELLEY, L. A., SWANSON, A. M., and PRICE, W. V. Studies relating to rennet coagulation time and rennet curd tension. (Abs.) *J. Dairy Sci.* 34:483. June 1951. 44.8 J822
- 70342 KIEFERLE, F. Die färbung der butter über die milchkuh. (Abs.) *Z. f. Lebensmtl.-Untersuch. u. -Forsch.* 92:270. Apr. 1951. 384 Z39
- 70343 KRETSCHMAR, K. Zweckmässige herstellung von milchsäure-rohkasein. *Molk.-Ztg.* 5:517-518. May 17, 1951. 44.8 M735
- 70344 LE ROI, D. Blue-veined cheese. *Milk Indus.* 31(12):70-76. June 1951. 44.8 M593
- Stilton, Dorset, and Gorgonzola.
- 70345 LE ROI, D. Soft cheese. 1. *Milk Indus.* 32:86-91. July 1951. 44.8 M593
- Manufacture.
- 70346 MACKENZIE, P. K. Ice cream; the start of the season. *Milk Indus.* 31(12):61-65. June 1951. 44.8 M593
- Manufacture in Great Britain.
- 70347 MILLER, R. Efficiency in plant cleaning operations. *Milk Plant Mon.* 40(6):38-40. June 1951. 44.8 C864
- 70348 MONSEN, K. J. More fat cheese—less surplus butter. (In Norwegian.) *Meieriposten* 40:347-348. May 19, 1951. 44.8 M47
- 70349 MUCHA, T. J., and BELL, R. W. Separation and recombination as a means of deferring an oxidized (cardboard) flavor in milk during frozen storage. (Abs.) *J. Dairy Sci.* 34:488. June 1951. 44.8 J822
- 70350 MYRICK, N. Bulk handling of milk—Connecticut. *Amer. Milk Rev.* 13(7):10,12,58-59. July 1951. 44.8 Am38
- 70351 NOACK, F. H. Verbesserte und vereinfachte romadurherstellung. *Molk.-Ztg.* 5:517. May 17, 1951. 44.8 M735
- 70352 OLDACH, Die dauermilchindustrie in Schleswig-Holstein. *Molk.-Ztg.* 5:545. May 24, 1951. 44.8 M735
- 70353 ORME, P. Savings effected by multiple evaporation. *Amer. Dairy Prod. Mfg. Rev.* 13(1):2-4. Jan. 1951. 44.8 Am37
- Drying equipment.
- 70354 PERRY, J. R. Newer developments in plant cleaning aids. *Milk Plant Mon.* 40(7):42,44-46,58-59. July 1951. 44.8 C864
- 70355 PETERS, N. J. Operation and service tips on dairy equipment. *Milk Plant Mon.* 40(7):80-82. July 1951. 44.8 C864

- 70356 PETERSON, C. A. Processed nuts for use in ice cream. *Ice Cream Trade J.* 47(6):49,92-93. June 1951. 389.8 Ic2
- 70357 PLOCK, K. Die hygiene der milchversorgung und ihr einfluss auf die bauliche und technische ausgestaltung von milchversorgungsbetrieben. *Lebensmittelärzt* 1:182-188. (Cont.) Dec.1950. 41.8 L49
- 70358 PURKO, M., and NELSON, W. O. The liberation of water-insoluble acids in cream by *Geotrichum candidum*. (Abs.) *J. Dairy Sci.* 34:477. June 1951. 44.8 J822
- 70359 REPERCUSSIONS of concentrated milk; a panel discussion. *New Eng. Res. Council Mktg. & Food Supply. Proc.* 1951:74-78. 252.004 N443M
G. F. Dow, chairman.
- 70360 RIBEIRO, J. A. Technology of dried milk manufacture. (In Portuguese.) *B. do Leite* 4(43):3-8. (To be cont.) Jan.1951. 44.8 B633
- 70361 RICE, E. B. How to produce choice cream. *Queensland Agr. J.* 72:163-168. Mar.1951. 23 Q33
Dairy hygiene.
- 70362 ROSE, D. Low temperature concentration of milk. *Canad. Food Indus.* 22(7):22-23. July 1951. 286.83 C166
Includes milk freezing.
- 70363 ROSSI, P. F., and SHEURING, J. J. Study of the effect of mix composition and freezing conditions upon properties of soft ice cream. (Abs.) *J. Dairy Sci.* 34:486-487. June 1951. 44.8 J822
- 70364 SANDERS, G. P., and WILLIAMS, D. H. Cheese, butter, ice cream, sherbet. *U. S. D. A. Ybk.* 1950/51:683-689. 1 Ag84Y
Manufacture of dairy products and milk utilization.
- 70365 SANDERSON, L. Stainless clad steels. *Dairy Indus.* 18:550-551. June 1951. 44.8 D1427
- 70366 SHAHANI, K. M., HERREID, E. O., and ORDAL, Z. J. High-temperature short-time pasteurization of dairy products. (Abs.) *J. Dairy Sci.* 34:481. June 1951. 44.8 J822
- 70367 SIPPLE, H. L. Concentrated, frozen, special canned milk. *Skagit Co-op Dairyman* 28(11):5,8. July 1951. 280.28 Sk1
- 70368 SOBRERO, L. R. Como mejorar la calidad de la leche de consumo. *Pampa Argentina* 24(279):18-19. Mar.1951. 9 P19
Sanitation.
- 70369 SØRENSEN, O. About dairy refrigerating plants. *Sabroe News* 34:10-11. Feb.1951. 295.8 Sa1
- 70370 STINE, C. M., and PATTON, S. A new method of manufacturing butteroil. (Abs.) *J. Dairy Sci.* 34:478. June 1951. 44.8 J822
- 70371 STOLL, G. Pflege und gebrauch des salzbades. *Osterr. Milchwirt.* 6:26-27. Jan.21,1951. 44.8 Os72
Cheese manufacture.
- 70372 STÜSSI, D. Das aluminium in der milchwirtschaft. *Schweiz. Milchztg.* 77:329-331. June 22,1951. 44.8 Sch92
- 70373 SWETT, C. The preparation of cheese for waxing. *Butter, Cheese & Milk Prod. J.* 42(7):28-30. July 1951. 286.85 B98Bu
- 70374 TAPP, F. C. The shadow of things to come? *Ice Cream Indus.* 27:657-659. June 1951. 389.8 Ic24
Ice cream manufacture.
- 70375 THOMSEN, H. Die kühlung der milch auf dem bauernhofe. I. Wasserkühlung. *Unser Milchvieh* 3(6):3-4. *In Molk.-Ztg.* 5(23). June 7,1951. 44.8 M735
- 70376 THOMSEN, H. Molkereimaschinen auf der Technischen Messe in Hannover. *Molk.-Ztg.* 5:516. May 17,1951. 44.8 M735
- 70377 THOMSEN, H. Die molkereimaschinenfabriken im raume Hamburg-Schleswig-Holstein. *Molk.-Ztg.* 5:548-550. May 24,1951. 44.8 M735
- 70378 TRENDTEL, F. Moderne anlagen für milchküchen. *Molk.-Ztg.* 5:693-694. June 21,1951. 44.8 M735
- 70379 TRENDTEL, F. Molkereien und trinkmilch in der amtlichen gesundheitspflege. *Molk.-Ztg.* 5:659. June 14,1951. 44.8 M735
Sanitary procedures.
- 70380 TROUT, G. M. Plant problems in processing homogenized milk. *Canad. Dairy & Ice Cream J.* 30(6):40, 42,44,70. June 1951. 44.8 C162
- 70381 WAGENAAR, R. O., and JEZESKI, J. J. Some factors influencing the isolation and quantitative estimation of *Pseudomonas putrefaciens*. (Abs.) *J. Dairy Sci.* 34:480. June 1951. 44.8 J822
- 70382 WEBB, B. H. Concentrated and dried milk. *U. S. D. A. Ybk.* 1950/51:690-694. 1 Ag84Y
- 70383 WEBB, B. H., and DEYSHER, E. F. Effect of storage temperature on properties of evaporated milk. (Abs.) *J. Dairy Sci.* 34:482. June 1951. 44.8 J822
- 70384 WHITE, A. H. Butter quality control. (Abs.) *Milk Messenger* 28(6):2-5. June 1951. 44.8 M5925
Manufacture.
- 70385 WILSTER, G. H. Recent advances in the butter industry. *Amer. Dairy Prod. Mfg. Rev.* 13(2):24-26,28, 30-33. Ref. Feb.1951. 44.8 Am37
- 70386 WOODRUFF, A. C. Bulk handling of milk--New Jersey. *Amer. Milk Rev.* 13(7):6-8,61. July 1951. 44.8 Am38
- 70387 ZEILINGER, A. Versuchskäsungen mit joghurtkultur. *Osterr. Milchwirt.* 6:1-3. Jan.7,1951. 44.8 Os72
Statistics
- 70388 HARTARD EBERT, M. Existencia de vacas y producción de leche. *Campesino [Santiago]* 83(4):21. Apr.1951. 9.3 So12
Statistics for Chile.

FEED AND FORAGE CROPS

- 70389 ADAMSON, M. J. Facts and figures on stream-lining feed production. *Amer. Miller & Processor* 79(7):50-51. July 1951. 298.8 Am32
- 70390 ARMSTRONG, W. E. Dog food belongs in feed stores. *East. Feed Merchant* 2(7):44-45. July 1951. 389.78 Ea7
- 70391 BECKMAN, H. J. This is the year to save your hay--there may not be enough. *West. Dairy J.* 7(8):67-68. June 1,1951. 44.8 W524
- 70392 BENBERG, K. Neuzeitliche futterschrotanlage. *Müllerei* 4:362-363. June 2,1951. 298.8 M91
- 70393 BERGER, W. C. Here's what's on tap to-day. *Amer. Egg & Poultry Rev.* 12(6):30-34,36-37. June 1951. 47.8 Am38
Feed situation.
- 70394 BROTHER, G. H., MURRAY, C. W., and GRIFFITHS, F. P. Concentrates and meals of alfalfa. *U. S. D. A. Ybk.* 1950/51:345-348. 1 Ag84Y
- 70395 BROUWER, E. The mutual relation of the minerals in grass and hay. (In Dutch.) *Netherlands. Landbouwvoorlichtingsdienst. Maandbl.* 8:208-213. May 1951. 12 N383M
- 70396 BURKE, J. D. Results of a two-year survey of hay quality on New York farms. *Cornell Nutr. Conf. Feed Mfr. Proc.* 1950:5-10. 389.79 C81
Analysis and composition.
- 70397 CAREY, V. Some feed merchandising fundamentals. *Feedstuffs* 23(28):38-40. July 14,1951. 286.81 F322
- 70398 CARPENTER, A. W. OPS performance; Feed Division moves slowly as Congress fights over continuance of Government price stabilization. *East. Feed Merchant* 2(7):34. July 1951. 389.78 Ea7
- 70399 COOLEY, M. L. Report on vitamin A in mixed feeds. *Assoc. Off. Agr. Chem. J.* 34:370-379. May 15, 1951. 381 As7
- 70400 CORNELL NUTRITION CONFERENCE FOR FEED MANUFACTURERS. Proceedings, November 2 and 3, 1950. Ithaca, 1950? 79 p. 389.79 C81
Issued by Departments of Poultry and Animal Husbandry of the New York State College of Agriculture and the School of Nutrition, Cornell University, in cooperation with the American Feed Manufacturers' Association.
- 70401 CRICKMAN, C. W. The feed situation. *New Eng. Res. Council Mktg. & Food Supply. Proc.* 1951:59-61. 252.004 N443M
- 70402 EALES, H. C. Bulk handling of feeds on the ranch. *Nulaid News* 29(3):6-7,30. July/Aug.1951. 47.8 N917
- 70403 GLEASON, E. Dealers can stimulate interest in farm news. *Feedstuffs* 23(26):44-45. June 30,1951. 286.81 F322
- 70404 GRIFFIN, E. D. Supply of cereal food ample until next harvest. *Black Fox Mag. & Mod. Mink Breeder* 35(1):7,24. May 1951. 410 B56
- 70405 HALLORAN, H. Granulation of [poultry] feeds. *Nulaid News* 29(3):9. July/Aug.1951. 47.8 N917
- 70406 HANNON, R. C. Feed merchandising in summertime. *Grain & Feed J. Consolidated* 106(12):32-33. June 27,1951. 298.8 G762
- 70407 HOOGENDOORN, J. Is every poultry breeder right in complaining about high feed costs? (In Dutch.) *Gelders Landtbl.* 14(24):6. June 16,1951. 12 G282
- 70408 MCNEAL, D. Outlook for feed in '51-'52. (Sum.) *Hatchery & Feed* 25(7):26-28. July 1951. 47.8 H28
- 70409 METCALFE, D. S. Forage statistics. In *Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages*, p.65-81. Ames,1951. 60 H87

- 70410 MOULE, G. R. Aerial transport of feed to flood-bound sheep. *Past. Rev.* 61:375-377. Apr. 16, 1951. 23 Au75
In Queensland.
- 70411 NAUMANN, K. Das futtermittelgesetz gilt noch! *Landwirt. Z. der Nord-Rheinprov.* 118:499. June 9, 1951. 18 L2344
- 70412 ODEJAR, D. Y. Chemical analysis of some commonly and some uncommonly used Philippine feeds and feeding stuffs. *Philippine J. Anim. Indus.* 10:371-374. Fourth Q. 1949, pub. 1951. 49.9 P53P
- 70413 OLSEN, L. The ratio of higher returns; study prices of feeds; choose ration best suited. *U and I Cult.* 11:28. Mar. 1951. 66.8 U12
- 70414 PERKINS, A. T., MERRILL, J. F., and ROGERS, S. N. Urea and ammoniacal nitrogen in packing house feeding stuff products. *Assoc. Off. Agr. Chem. J.* 34:450-453. May 15, 1951. 381 As7
- 70415 PORGES, N., PEPINSKY, J. B., and JASE-WICZ, L. Feed yeast from dairy by-products. *J. Dairy Sci.* 34:615-621. Ref. June 1951. 44.8 J822
- 70416 QUACKENBUSH, F. W. Report on carotene. *Assoc. Off. Agr. Chem. J.* 34:387-390. May 15, 1951. 381 As7
Analytic method used on alfalfa meal.
- 70417 RANDLE, S. B. Commercial feeds in New Jersey, 1950. N. J. Agr. Expt. Sta. Insp. Ser. 42, unpag. May 1951. 100 N46S
- 70418 ROBERTS, A. Why feed dealers don't get maximum volume, top profit. *Feedstuffs* 23(28):30-31. July 14, 1951. 286.81 F322
- 70419 ROY, P. E. La dessiccation rapide des fourrages. *Agriculture [Montreal]* 8:55-61. Spring 1951. 7 Ag82
- 70420 SANDERS, G. P., HUPFER, J. A., JR., and WISEMAN, H. G. Detection of adulteration in alfalfa meal by means of the phosphatase test. (Abs.) *J. Dairy Sci.* 34:509. June 1951. 44.8 J822
- 70421 SANFORD, F. B. The amazing fish meal industry. *Grain & Feed J. Consolidated* 106(12):26-27, 30. June 27, 1951. 298.8 G762
- 70422 SAVILLE, R. J. Intentions to plant show sharp decline in feed crops, except hay. *Miss. Farm Res. [Miss. Sta.]* 14(5):2. May 1951. 100 M69Mi
- 70423 SCHMAH. Betriebsvergleich von Futterflächen und Anbauplänen in einer Gemeinde im Münsterland. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:889. June 14, 1951. 18 L2346
- 70424 SEQUIN, H. Feed retailing 'round the world; Swiss feed men are "on the ball." *Feed Bag* 27(7):45-46. July 1951. 389.78 F32
- 70425 SHUGAR, A. I. Determination of potassium in oats by spectroscopic methods. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok.* 12:183-184. 1950. 20 M875
- 70426 SILKER, R. E. Dehydration of forage crops. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. *Forages*, p. 578-586. Ref. Ames, 1951. 60 H87
- 70427 STEVENSON, J. H. F. 'Kitchen' equipment. *Brit. Fur Trade* 33:237. June 1951. 412.628 B77
For preparation and storage of feed.
- 70428 STITT, F., and others. Spectrophotometric determination of beta-carotene stereoisomers in alfalfa. *Assoc. Off. Agr. Chem. J.* 34:460-471. May 15, 1951. 381 As7
E. M. Bickoff, G. F. Bailey, C. R. Thompson, and S. Friedlander, joint authors.
- 70429 SWANSON, A. F. Making pellets of forage sorghum. U. S. D. A. Ybk. 1950/51:353-356. 1 Ag84Y
- 70430 ULLMANN, G. Making animal feeding-stuffs in bulk. *Times Rev. Indus. (n.s.)* 5(54):26. July 1951. 286.8 T4822
- 70431 U. S. PRODUCTION AND MARKETING ADMIN. Feed and livestock production. Washington, 1951. 4 p. 1.956 G76F325
Feed conservation.
- 70432 WILLIAMS, H. H. Studies of the amino acid composition of feedstuffs. *Cornell Nutr. Conf. Feed Mfr. Proc.* 1950:76-79. 389.79 C81
- 70435 AUSTRALIA. BUR. OF AGRICULTURAL ECONOMICS. Wool outlook as at October 31, 1950. Canberra, 1950. 44 p. 45.9 Au79W
- 70436 BASU, S. N., and BHATTACHARYYA, J. P. Mildew of complex vegetable fibres. *J. Sci. & Indus. Res* 10B:91-93. Apr. 1951. 475 J82
- 70437 BLUMCKE, A. Die Juteerzeugung nach der teilung Indiens. *Textil-Praxis* 6:391-393. June 1951. 304.8 T3143
India and Pakistan.
- 70438 BLUNT, I. Has silk, the queen of fibers, retired? *Textile Forum* 8(3):9, 11. June 1951. 304.8 T3191
- 70439 BOGATY, H., SOOKNE, A. M., and HARRIS, M. Some tensile properties of wool in solutions containing salt and acid. *Textile Res. J.* 21:479-481. July 1951. 304.8 T293
- 70440 BRASSEUR, R. The Belgian textile industry. *Statist* 1951:26-27. June 30, 1951. 286.8 St2
- 70441 BURAS, E. M., JR. Measuring the absorbency of cotton. U. S. D. A. Ybk. 1950/51:419-420. 1 Ag84Y
- 70442 BYROM, M. H. Progress with long vegetable fibers. U. S. D. A. Ybk. 1950/51:472-476. 1 Ag84Y
- 70443 CARANTINO, B., and SCHIRAY, A. Aspects nouveaux du marché cotonnier mondial. *Agence France-Presse. Inform. et Doc.* 342:18-20. May 5, 1951. 280.9 Ag3
- 70444 CARTER, E. G. The march of wool research. *Woolboer* 45:12-13, 16. Apr. 1951. 45.8 W83
- 70445 CASTRO, R. DE. International cotton panorama. (In Portuguese.) *Rev. dos Mercados* 2(6):5-10. Feb. 1951. 286.8 R328
- 70446 CHAINEUX, J. La filature de la laine cardée est-elle viable? *Monit. Textile* 13:897, 899, 901, 903-904. June 1951. 304.8 M74
- 70447 COKE, C. E. High tenacity viscose rayon. *Textile Mfr.* 77:277-279. June 1951. 304.8 T3126
- 70448 COMPTON, J., and HART, W. J. Soiling and soil retention in textile fibers; cotton fiber-grease-free carbon black systems. *Indus. & Engin. Chem.* 43:1564-1569. July 1951. 381 J825
- 70449 CROSTON, C. B. A new fiber from corn kernels. U. S. D. A. Ybk. 1950/51:469-471. 1 Ag84Y
- 70450 DALL, W. B. Peak production of cotton-textiles in U. S. Indian Textile J. 61:534-538. May 1951. 304.8 In2
- 70451 DALY, J. A. Textile industry has good 1st half, considers 3rd quarter problems. *Mfr. Rec.* 120(7):35. July 1951. 297.8 M31
- 70452 DAS, D. B., MITRA, M. K., and WAREHAM, J. F. Chemical composition of aloe fibre. *Indian Chem. Soc. J.* 28:37-40. Jan. 1951. 385 In27
- 70453 DAY, H. Cotton in India and Pakistan. *New Commonwealth* 22:45-48. July 1951. 280.8 C88
The industry.
- 70454 DEAN, J. D. Chemical treatment gives cotton high resistance to rot and heat. U. S. Agr. Res. Admin. *Res. Achvt. Sheet* 136(C), 2 p. June 1951. 1.98 R31
- 70455 DE GRUY, I. V., and ROLLINS, M. L. Fibers in a different light. U. S. D. A. Ybk. 1950/51:394-398. 1 Ag84Y
Properties.
- 70456 DHINGRA, D. R., and MITHEL, B. B. A survey of Indian cellulosic raw materials for the manufacture of rayon. (Abs.) *Indian Sci. Cong. Proc.* 36(3):90. 1949. 513 In22
- 70457 DICKER, R. Les fibres nouvelles: fabrication, propriétés et utilisations. *Rayonne* 6:11-20. June 15, 1951. 304.8 R214
- 70458 DOLNICK, E. H., and HARDY, T. M. P. Angora, the long-haired rabbit. U. S. D. A. Ybk. 1950/51:477-478. 1 Ag84Y
Use of Angora wool as a fiber.
- 70459 DREVET, H. La sole dans les fils de pêche. *Internatl. Silk Assoc. B.* 8:21-23. May 1951. 304.9 In82B
Text also in English.
- 70460 DRUMMOND, J. Montana offsorts are worth more. *Mont. Wool Grower* 20(7):5. July 1951. 45.8 M762
- 70461 EMPIRE COTTON GROWING CORPORATION. Progress reports from experiment stations, season 1949-1950. London, 1951. 140 p. 72.9 G79Rs
- 70462 EVANS, R. B. The utilization of American cotton. U. S. D. A. Ybk. 1950/51:377-386. 1 Ag84Y
- 70463 FAUGHT, W. A., and others. Cotton marketing practices in selected communities, 1947-48. *South. Coop. Ser. B.* 8, 45 p. Sept. 1950. 100 G29So
R. J. Saville, R. F. Anderson, M. J. Danner, W. T. Ferrier, S. Hathorn, Jr., J. R. Paulling, W. E. Paulson, B. D. Raskopf, and F. Stanley, joint authors.

FIBERS AND TEXTILES

- 70433 AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS. Proceedings. Amer. Dye-stuff Rptr. 40:P433-P446. July 9, 1951. 306.8 Am3
- 70434 AMERSEY, P. N. Textile program in India aimed at higher production. *Textile Forum* 8(3):13-14. June 1951. 304.8 T3191

- 70464 FRIEDLANDER, J. B. Consumption of apparel fibres in Canada. *Manual Textile Indus. Canada* 1951:76-77. 304.8 M31
- 70465 FYNN, P. J., and DEAN, J. D. Effect of light on cotton textiles. *U. S. D. A. Ybk.* 1950/51:436-440. 1 Ag84Y
- 70466 GAGLIARDI, D. D., and NUESSELE, A. C. The relation between fiber properties and apparent abrasion resistance. *Amer. Dyestuff Rptr.* 40:P409-P415. June 25, 1951. 306.8 Am3
Includes discussion.
- 70467 GALVEZ, E. La región algodonera de Matamoros. *Rev. de Econ.* 14:136-139. May 1951. 280.8 R3293
Economic aspects of the industry.
- 70468 GHEKIERE, J. Australia, land of wool. (In Flemish.) *Monit. Textile* 13:887,889,891,893-894. June 1951. 304.8 M74
- 70469 GOLDTHWAIT, C. F. Acetylation to make a new textile. *U. S. D. A. Ybk.* 1950/51:421-425. 1 Ag84Y
Acetylation of cotton.
- 70470 GOLDTHWAIT, C. F. Dyeing cotton to test its fibers. *U. S. D. A. Ybk.* 1950/51:431-435. 1 Ag84Y
- 70471 GOLDTHWAIT, C. F. New values in mercerizing cotton. *U. S. D. A. Ybk.* 1950/51:427-430. 1 Ag84Y
- 70472 GOMES, A. Cotton in São Paulo. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(366):55-58. May 1951. 9.2 B733
The industry.
- 70473 GOMIEN, R. Fomento de la producción lanera. *Agrario* 15(421):36-38. Feb. 1951. 9.3 Ag85
Economic aspects of the industry in Chile.
- 70474 GRADING wool. *Amer. Angora News* 4(20/21): 8. Apr./May 1951. 40.28 Am32
- 70475 GRANT, J. N. The scientist looks at cotton. *U. S. D. A. Ybk.* 1950/51:400-404. 1 Ag84Y
Properties.
- 70476 HADWICH, F. Neuartige streichgarnringsspinnmaschine. *Textil-Praxis* 6:393-396. June 1951. 304.8 T3143
- 70477 HARMOND, J. E. Processing of fiber flax in Oregon. *U. S. D. A. Ybk.* 1950/51:484-488. 1 Ag84Y
- 70478 INDIA. MINISTRY OF AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Cotton pressing factories and returns, 1948-49. New Delhi, 1950. 93 p. 225 In29
- 70479 INSTITUT DE RECHERCHES DU COTON ET DES TEXTILES EXOTIQUES. L'activité de l'I.R.C.T. pendant la campagne 1948-1949. Paris, 1950. 24 p. 72.9 P21
- 70480 JACOBI, O. Über die benetzbarkeit der wolle. *Melliand Textilber.* 32:451-454. June 1951. 304.8 T312
English summary.
- 70481 JACOBSEN, A. E., SULLIVAN, W. F., and PANIK, I. M. Studies with titanium as an agent for imparting durable fire-retardancy to fabrics. *Amer. Dyestuff Rptr.* 40:P439-P443. July 9, 1951. 306.8 Am3
- 70482 JAMESON, N. R. Wool marketing plans. *Massey Agr. Col. Sheepfarming Annu.* 3:6-7, 9, 11-15. Nov. 1950. 45.9 M38S
Includes discussion.
- 70483 JENKINS, E. M., and MAXWELL, M. E. Felmongering investigations. XIII. The use of mould protease for recovering wool from sheepskin pieces. *Austral. J. Appl. Sci.* 1:363-372. Sept. 1950. 475 Au74
- 70484 JOHNSON, F. J. The long-wool industry. *West. Austral. U. Geog. Lab. Res. Rpt.* 18, 13 p. Aug. 1950. 109 W525
- 70485 JONES, J. M. The wool question. *Natl. Wool Grower* 41(7):5-6. July 1951. 45.8 N21N
- 70486 KAST, W. Röntgenstrukturuntersuchungen an zellulosefasern. II. *Melliand Textilber.* 32:442-446. June 1951. 304.8 T312
- 70487 KENYON, W. A. The revolution in rope; influence of the man-made fibres. (Abs.) *Textile Mercury & Argus* 124:1116, 1119, 1121. June 29, 1951. 304.8 T318
- 70488 KHAN, T. A. Parity of Pakistan cottons in world context. *Cotton & Textiles J.* 1(2):20-24. Jan. 1951. 304.8 C825
- 70489 KING, W. Textiles and the defence economy. *Manual Textile Indus. Canada* 1951:50-61. 304.8 M31
- 70490 KROESE, W. T. Lahore et le Caire, rendez-vous des planteurs de coton et des producteurs de textile. I-II. (In Dutch.) *Econ.-Statist. Ber.* 36:354-357, 374-377. May 9-16, 1951. 280.8 Ec722
French summary.
Work of the International Cotton Advisory Committee and the International Federation of Master Cotton Spinners' and Manufacturers' Associations.
- 70491 KRONAUER, F. Relation between the various properties of cotton fiber and the resistance of the yarn. (In Italian.) *Ist. Coton. Ital. Not. dell'Indus. Tessile Coton.* 5:385-388. May 1951. 286.3729 Is7N
- 70492 LEJANO, A. Fiber Division rendering commendable service. *Agr. & Indus. Life* 13(4):1, vi, 28-29. Apr. 1951. 25 Ag8
Philippines.
- 70493 LEJANO, A. Government aid needed to regain virtual world monopoly for PI abaca. *Agr. & Indus. Life* 13(4):iv-v. Apr. 1951. 25 Ag8
- 70494 LENTI, L. Perspectives de l'industrie des textiles artificiels. *Rayonne* 6:43-48. June 15, 1951. 304.8 R214
- 70495 LIEBIG, G. Höhere leistungen durch vervollkommnung der krempelsätze in der streichgarnspinnerei. *Melliand Textilber.* 32:425-427. June 1951. 304.8 T312
English summary.
- 70496 LINDE, V. V. Prospects of Soviet silk industry. (In Russian.) *Vsesojuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 16(2):20-24. 1951. 20 Ak1
- 70497 LUNA ERCILLA, C. A. Las fibras textiles y el potencial industrial del país. *Bolsa de Com. Rosario. Rev.* 39(944):13-14, 16-17. May 15, 1951. 287 R71
- 70498 LUNDGREN, H. P. Feathers as a source of fibers. *U. S. D. A. Ybk.* 1950/51:481-483. 1 Ag84Y
- 70499 LUNDGREN, H. P., and PALMER, K. J. The future for domestic wool. *U. S. D. A. Ybk.* 1950/51:489-494. 1 Ag84Y
- 70500 MCMEEKIN, T. L., PETERSON, R. F., and HOOVER, S. R. Some fibers from the proteins. *U. S. D. A. Ybk.* 1950/51:466-468. 1 Ag84Y
- 70501 MALIK, M. S. Review of the Punjab Cotton Control Act. *Karachi Com.* 4(14):9. Apr. 21/28, 1951. 280.8 K14
- 70502 MANSFIELD, W. W. Detergency. I. Low temperature scouring of greasy wool. *Austral. J. Appl. Sci.* 1:330-347. Sept. 1950. 475 Au74
- 70503 MAZZOLI, W. A new process for the production of vegetable textile fibers. (In Italian.) *Mondo Tessile* 6:188-189. Apr. 1951. 304.8 M742
- 70504 MICARELLI, G. New animal textile fiber: cuojesco. (In Italian.) *Ist. Coton. Ital. Not. dell'Indus. Tessile Coton.* 5:498-499. June 1951. 286.3729 Is7N
A protein fiber.
- 70505 MILL, H. Jute must be cheap and plentiful. *Jute & Canvas Rev.* 22(273):12, 15. June 1951. 73.38 J982
- 70506 MOORE, V. P. Ginning affects many elements of cotton quality—important to industry. *Cotton Digest* 23(42):12-13. July 7, 1951. 286.82 C822
- 70507 NARANJO BATMALE, F. Retazos de historia ganadera—la lana en la historia y en la actualidad. *Ganadería [Madrid]* 9:119-121. Mar. 1951. 49 G15
- 70508 NARVAEZ L., G. Aplicación del acetocarmín férrico a la técnica histopatológica. *Turrialba* 1:205-206. Apr. 1951. 8 T86
In study of *Colletotrichum gloeosporioides* penetration in textiles.
- 70509 NEW ZEALAND WOOL DISPOSAL COMMISSION. New-clip greasy wool sold at New Zealand auctions (season 1949-50). n.p., 1950. 10 p. 281.3459 N48
Statistics.
- 70510 1951 edition manual of the textile industry of Canada. Quebec, 1951. 264 p. 304.8 M31
- 70511 NORTH COOMBES, G. A. The fibre industry of Mauritius. Mauritius, Gen. Printing & Stationery, 1951. 85 p. 73 N81
- 70512 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Care and marketing of wool. North. Ireland. Min. Agr. Mon. Rpt. 26:16-18. May 1951. 256.13 Ag82M
- 70513 OCAMPO, J. A. Nueva industria textil nacional. *Mensajero Agr.* 53/54:11-12. 1950. 9.8 M52
Jute and hemp in Peru.
- 70514 ORR, C. W. Meeting the demand for wool. *Amer. Angora News* 4(20/21):1. Apr./May 1951. 40.28 Am32
- 70515 PATEL, S. J., and PATEL, P. K. Some factors influencing ginning percentage and fibre characters. *Indian Cotton Growing Rev.* 5:33-43. Jan. 1951. 72.8 In23
- 70516 PATTIJN, J. The situation in the flax industry. (In Flemish.) *Textielwezen* 7(6):21, 23-24. June 1951. 304.8 T3147
Belgium.
- 70517 PHILLON, P. N. Karachi cotton market respect & prospect. *Cotton & Textiles J.* 1(3):44-46. Feb. 1951. 304.8 C825
- 70518 THE PRIMARY textile industry in 1951. *Manual Textile Indus. Canada* 1951:31-49. 304.8 M31
Brief papers by various authors.

- 70519 PUIG, J. B. Ventajas del acondicionamiento previo del algodón en las salas de batanes. Textiles Panamer. 11(7):25-28,31,36,38-39,53-54. July 1951. 304.8 T3142
- 70520 RAHMAN, A. Punjab as a cotton growing province. Cotton & Textiles J. 1(4):11-15. Mar.1951. 304.8 C825
- Pakistan.
- 70521 RAHMAN, A. Uses of cotton in modern world. Cotton & Textiles J. 1(3):11-15. Feb.1951. 304.8 C825
- 70522 RAJARAMAN, S., and SEN, D. L. Measurement of fineness of cotton fibres with the help of air permeameter. Indian Cotton Growing Rev. 5:18-32. Jan. 1951. 72.8 In23
- 70523 RAMOS URIARTE, G. El abastecimiento de la industria textil. Rev. de Econ. 14:43-45. Mar.1951. 280.8 R3293
- Cotton supply.
- 70524 REID, J. D., and DEAN, J. D. Chemically modified cotton. U. S. D. A. Ybk. 1950/51:405-409. 1 Ag84Y
- Includes flameproofing and rotproofing.
- 70525 REID, J. D., and GOLDTHWAIT, C. F. How to keep dry under cotton. U. S. D. A. Ybk. 1950/51:411-418. 1 Ag84Y
- Water-repellent fabrics.
- 70526 REMUSSI, C. El enriado del lino. Hacienda 46(7):45-46. July 1951. 6 H11
- 70527 RIMETTE, La répartition des fibres dans une mèche soumise à l'étirage. Inst. Textile de France. B. 25:69-84. Apr.1951. 304.8 T3145
- English summary.
- 70528 RISO, R. Cotton spinning at the half century. (In Italian.) Ist. Coton. Ital. Not. dell'Indus. Tessile Coton. 5:477-483. (To be cont.) June 1951. 286.3729 Is7N
- Equipment.
- 70529 RISO, R. Linters. (In Italian.) Ist. Coton. Ital. Not. dell'Indus. Tessile Coton. 5:381-384. May 1951. 286.3729 Is7N
- 70530 RISO, R. Recent scientific progress in the wool industry. (In Italian.) Mondo Tessile 6:142-144. Mar.1951. 304.8 M742
- 70531 ROSSI, C. Single motor command of machinery for cotton spinning. (In Italian.) Mondo Tessile 6:184-187. (To be cont.) Apr.1951. 304.8 M742
- 70532 ROY, A. S. Problem of shrinkage in textile fabrics. Indian Textile J. 61:548-550,552. May 1951. 304.8 In2
- 70533 SANTOS, J. B. Abaca planters get full benefits of fiber law. Agr. & Indus. Life 13(4):11,vii,29. Apr.1951. 25 Ag8
- Grading in the Philippines.
- 70534 SAWHNEY, K. Cotton resources of India. Indian Cotton Growing Rev. 5:52-58. Jan.1951. 72.8 In23
- 70535 SCHEEL, C. A. Die Kammgarmspinnerei. Orion 6:187-194. Mar.5,1951. 474 Or4
- 70536 SCHNABEL, K. Gedanken über mindestgütebedingungen von chemiefasern aus zellulose. Kunstseide u. Zellwolle 28:475-480. Dec.1950. 304.8 J45
- In rayon manufacture.
- 70537 SCHURINGA, G. J., and ALGERA, L. The membrane of the Allwörden sacs as a structural element of wool. Blochim. et Biophys. Acta 6(2):325-333. Ref. Nov.1950. 381 B522
- 70538 SCOTT, W. M. What cotton has; what it needs. U. S. D. A. Ybk. 1950/51:387-393. 1 Ag84Y
- 70539 SEN, M. K. Recent advances in the knowledge of cellulose. III. Moisture absorption mechanism and allied topics. Sci. & Cult. 16:394-403. Mar.1951. 475 Sci24
- Native Indian fibers.
- 70540 SENS, C. L. Better ways to handle the [cotton] bale. U. S. D. A. Ybk. 1950/51:445-452. 1 Ag84Y
- 70541 SMITH, L. What is the chemurgic future for cotton. Chemurg. Digest 10(7):17-20. July 1951. 381 N213Na
- 70542 STOVES, J. L. A century of textiles; technical developments 1851-1951. Textile Indus. & Fibres 12:182-184. June 1951. 304.8 F16
- 70543 STRANG, P. M. The theory of carding. II. Whittin Rev. 18(3):10-20. May/June 1951. 304.8 W58
- 70544 STRICKLAND, W. B. CMC makes cleaner cotton. U. S. D. A. Ybk. 1950/51:453-454. 1 Ag84Y
- Treatment of the fabric with carboxymethyl cellulose.
- 70545 SUSICH, G., and BACKER, S. Tensile recovery behavior of textile fibers. Textile Res. J. 21:482-509. Ref. July 1951. 304.8 T293
- 70546 TABASSO, E. Characteristics of the North American market. (In Italian.) Laniera 65:247,249,251, 253,255,257. Apr.1951. 45.8 B63
- 70547 TACHIKAWA, S. Some new experiments with high polymer rayon staple. Rayon & Synthetic Textiles 32(7):32-33,42,44-46. July 1951. 304.8 R21
- 70548 TANGANYIKA SISAL GROWERS' ASSOCIATION. Annual report of the East African sisal industry; report and accounts for the year ended 31st December, 1949, and estimates for 1950. Tanganyika, 1950. 99 p. 73.9 T15
- Kenya Sisal Growers' Association cooperating.
- 70549 THIEME, J. G. Ein neues verfahren der fasererzeugung aus sisalabfall. Fette u. Seifen 53:278-280. May 1951. 384 C422
- 70550 THOMAS, SIR R. Cotton growing in West Pakistan. Cotton & Textiles J. 1(2):10-13. Jan.1951. 304.8 C825
- The industry.
- 70551 THOMPSON, M. Extra long staple cotton, vital war crop, interesting history in U. S. and Egypt. N.Mex. Agr. Col. Ext. News 31(4):5. Apr.1951. 275.29 N463Ex
- 70552 THORIA, L. Cellulose research, a decade of progress. J. Sci. & Indus. Res. 10A:109-111. Mar.1951. 475 J82
- For rayon fiber in India.
- 70553 TREMELLONI, R. Situation and outlook for the Italian textile industry. (In Italian.) Mondo Econ. 6 (19):3 May 19,1951. 280.8 M742
- 70554 TRONI, A. Angora wool (Mohair). (In Italian.) Mondo Tessile 6:131-132. Mar.1951. 304.8 M742
- 70555 TRUTER, E. V. Mineral oil as a wool lubricant; emulsification of blends of mineral oil and wool-wax alcohols. J. Appl. Chem. 1:254-257. June 1951. 382 J82
- 70556 U. S. BUR. OF AGRICULTURAL ECONOMICS. Cotton and cottonseed production. 1949 and 1950. Oklahoma City, 1951. 2 p. 1.941 H8C826
- Statistics.
- 70557 U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho wool production, 1950. Boise, 1951. 2 p. 1.941 S8W88
- Wool statistics.
- 70558 U. S. BUR. OF AGRICULTURAL ECONOMICS. Statistics on cotton and related data. U. S. D. A. Statis. B. 99,410 p. Jun 1951. 1 Ag84St
- 70559 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Progress report on the annual varietal and environmental study of fiber and spinning properties of cottons, 1949 crop. Beltsville, 1950. 80 p. 1.965 Qp94
- 70560 VALE, E. The world of cotton. London, Hale, 1951. 187 p. 304 V22
- Processing.
- 70561 VANDERBELEN, H. L'évolution de l'industrie textile belge en 1950. Rayonne 6:64-66. June 15,1951. 304.8 R214
- 70562 VARMA, P. S. and SINHA, A. The tensile strength of synthetic fibres. (Abs.) Indian Sci. Cong. Proc. 36(3):84. 1949. 5 In22
- 70563 VECINO PARAO, C. La industria del rayon. Rev. Indus. y Fabril 6(52):35-39. Jan.1951. 297.8 R322
- Manufacture.
- 70564 WARD, A. L. Cotton and cottonseed—community builders. Cotton Gin & Oil Mill Press 52(13):20-22. June 23,1951. 304.8 C12
- The industry.
- 70565 WARD, J. M., and others. Quality and fiber characteristics of mechanically harvested cotton. Cotton Gin & Oil Mill Press 52(14):3-40. July 7,1951. 304.8 C822
- L. E. Hessler, D. L. Jones, and W. E. Paulson, joint authors.
- 70566 WELFORD, T. The textiles student's manual; an outline of all textile processes, from the origin of the fibre to the finished cloth. Ed. London, Pitman, 1950. 207 p. 304 W45
- 70567 WHITWORTH, S. E. Association opposes freight rate increases. Mont. Wool Grower 20(7):8-10. July 1951. 45.8 M762
- Montana Wool Growers Association.
- 70568 WILLIAMS, S. Synthetic fibers. Sci. Amer. 185:37-45. July 1951. 470 Sci25
- 70569 WILSON, J. F. California wool production. Calif. Agr. Col. Ext. C. 171,52 p. Apr.1951. 275.29 C12C
- 70570 ZAHN, H. Die epikutikulation und die allwördenische reaktion. Melliand Textilber. 32:419-420. June 1951. 304.8 T312
- Wool and hair structure.
- 70571 ZENTLER, A. P., and FRASER, S. B. Wool is at a crossroads. (In Italian.) Mondo Tessile 6:208-209. Apr.1951. 304.8 M742

FRUITS, VEGETABLES, AND NUTS

- 70572 ASSOCIAZIONE PER LO SVILUPPO DELL'INDUSTRIA NEL MEZZOGIORNO. Produzioni e mercati ortofrutticoli della Campania; in appendice: notizie generali sull'ortofrutticoltura del mezzogiorno [Fruit and vegetable production and markets in Campania; in appendix: General observations on fruit and vegetable production of the South]. Ed. 2. Roma, 1950. 207 p. 261 As73P
- 70573 BAILEY, W. R. Fruit production in Wasco County. Oreg. Dept. Agr. Agr. B. 170:15-16. June 1951. 2 Or3
- 70574 BASHIROV, F. B. The Five-Year Plan is overfulfilled. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):55-56. Jan. 1951. 95.8 V77
- 70575 Grape production on Bulungur and Kibra' state farms in Uzbekistan.
- 70575 BOSTER, D. O. The 1950 cranberry crop. Amer. Cranberry Growers Assoc. Proc. 81:6-8. Jan. 27, 1951. 81 Am35M
- 70576 BURKE, J. H. A study of the citrus industry of Lebanon. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 58,30 p. May 1951. 1.943 F763
- 70577 CALZECCHI-ONESTI, A. Italian fruit and vegetable culture and products "of strategic interest." (In Italian.) Glor. di Agr. 61:163. May 27, 1951. 16 It1G
- 70578 CULLINAN, F. P. Trends in peach production. Mountaineer Grower 21(186):26-27, 29-34. Mar. 1951. 80 M86
- 70579 DAVIS, M. B. The future of the fruit industry of Quebec. Quebec. Pomol. & Fruit Growing Soc. Annu. Rpt. 56:12-13, 15. 1949. 82 Q3
- 70580 EICH. Dem handel zu helfen bin ich bereit. Früchte u. Gemüse Markt 3(22,sup.):4. June 1, 1951. 286.83 F9425
- German fruit and vegetable industry.
- 70581 FANELLI, L. Vast and generous contribution of the walnut. (In Italian.) Mondo Agr. 2(4):5. Mar. 4, 1951. 16 M74
- Production in Italy.
- 70582 GRIFFITHS, F. P., OLCOTT H. S., and SHAW, W. L. Our second largest food group. U. S. D. A. Ybk. 1950/51:213-216. 1 Ag84Y
- Vegetables.
- 70583 HABRAN, R. La situation économique du fruit en 1950. Fruit Belge 19:22-25 (Cont.) Feb. 1951. 80 F9493
- 70584 HAUSMANN. Viele Wege führen nach Berlin. Früchte u. Gemüse Markt 3(22,sup.):5. June 1, 1951. 286.83 F9425
- Fruit and vegetable industry in Germany.
- 70585 HOHMANN, W. Der berliner obst- und gemüsehandel im wandel der zeit. Früchte u. Gemüse Markt 3(22,sup.):11-14. June 1, 1951. 286.83 F9425
- 70586 KATTANEK, R. W. Der gemüse-, obst- und süßfruchthandel ist für die Kölner wirtschaft unentbehrlich. Früchte u. Gemüse Markt 3(26,sup.):3-4. June 1951. 286.83 F9425
- 70587 KERR, J. Know your ingredients: nuts. Brit. Baker 122:647-648. (Cont.) May 4, 1951. 389.8 B772
- 70588 KNAUTH, A. Wissenswertes über süßmoste. Thalacker Ernähr.-Anz. 4(184). May 9, 1951. 389.8 T32
- 70589 NAZAROV, I. E. Development of orchard cultivation in connection with the consolidation of collective farms. (In Russian.) ad i Ogorod 1951:3-5. Jan. 1951. 80 Sa13
- 70590 NIVEN, L. A. Pot likker" in the raw. Prog. Farmer, Miss.-Ark.-La. d. 66(7):16-17. July 1951. 6 So81
- Turnip and mustard greens industry in Arkansas.
- 70591 PIPER, W. E. A New England grocer quizzes a New England farmer: the vegetable outlook. New Eng. Grocery & Mkt. Mag. 19(27). July 1951. 286.83 N44A
- 70592 PROBLEME de la viticulture en Allemagne Occidentale et en France. Rev. d'Etudes Econ. Franco-Allemandes 7:58-66. Mar. 1951. 280.8 R3238
- Text also in German
- 70593 RICE, W. Short apricot crop likely to reduce dried tonnage greatly this season. Sunsweet Standard 35(2):9-10. July 19. 286.83 Su7
- 70594 SAYED, A. Extension of the cashew nut cultivation and development of the cashew nut industry in the Bombay State. Ind. Agr. Col. Mag. 41:237-247. Feb. 1951. 22 P79
- 70595 SCHNEBER, W. R. Mediterranean almond forecast about average. Calif. Fruit News 124(3287):5,8-11. July 7, 1951. 80 C12
- 70596 SIEGRIST, H. Su-sy, das neue apfelsaftgetränk. Schweiz. Z. f. Obst- u. Weinbau 60:232-233. June 16, 1951. 80 Sch9
- 70597 SWART, H. J. DE. Is the potato industry a refuge for the homeless? (In Dutch.) Vakbl. v. de Groot-handel in Aardappelen, Groenten en Fruit 5(24):9. June 15, 1951. 286.28 V22
- Netherlands.
- 70598 U. S. BUR. OF AGRICULTURAL ECONOMICS. Merchantable potato stocks [Minnesota], February 1, 1951. St. Paul, 1951. 1 p. 1.941 S8P853
- 70599 U. S. BUR. OF AGRICULTURAL ECONOMICS. 1951 fruit prospects (as of June 1). Portland, Oreg., 1951. 2 p. 1.941 S8F942
- 70600 U. S. BUR. OF AGRICULTURAL ECONOMICS. Strawberry and caneberry prospects (as of June 1, 1951). Portland, Oreg., 1951. 1 p. 1.941 H8B452
- 70601 VARELA MARTÍNEZ, R. Expléndido porvenir de la industria frutera. Rev. Agr. y Ganad. 13(134):28. Mar. 1951. 9.4 R327
- Colombia.
- 70602 WIESNER, G. Der berliner gemüsebau einst und jetzt. Früchte u. Gemüse Markt 3(22,sup.):22-24. June 1, 1951. 286.83 F9425
- 70603 WOLGAMOT, I. H. Tomatoes: facts for consumer education. U. S. D. A. AIB-32, 21 p. Ref. May 1951. 1 Ag84Ab
- Analysis and Composition
- 70604 AUTERHOFF, H. Die chemische wertbestimmung des rhabarbers. Deut. Apoth.-Ztg. 91:415-417. June 8, 1951. 396.8 Su2
- 70605 BAUM, H. M., SANDERS, R. G., and STRAUB, G. J. The occurrence of a diphenyl isatin in California prunes. Amer. Pharm. Assoc. J. Sci. Ed. 40:348-349. July 1951. 396.9 Am33J
- 70606 BELL, T. A., ETCHHELLS, J. L., and JONES, I. D. Pectinesterase in the cucumber. Arch. Biochem. & Biophys. 31:431-441. Ref. May 1951. 381 Ar2
- 70607 CECIL, R., and OGSTON, A. G. Determination of sedimentation and diffusion constants of horse-radish peroxidase. Biochem. J. 49:105-106. June 1951. 382 B52
- 70608 DAWSON, P. R., GREATHOUSE, L. H., and GORDON, W. O. Sweetpotatoes: more than starch. U. S. D. A. Ybk. 1950/51:195-203. 1 Ag84Y
- 70609 DEMURIAN, G. S. The mechanical and chemical composition of Armenian nuts. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:961-965. 1950. 20 Er4
- 70610 FERRIS, L. W. Report on citric acid in fruit and fruit products. Assoc. Off. Agr. Chem. J. 34:445-448. May 15, 1951. 381 As7
- 70611 FIEGER, E. A., PETERSON, W. J., and SHERWOOD, F. W. Essentiality of the chromatographing step in the determination of carotene in sweet potatoes. South. Coop. Ser. B. 10:97-99. Mar. 1951. 100 G29So
- 70612 GRIEBEL, C. Zur mikroskopie der heidelbeerfrüchte. Z. f. Lebensmitl.-Untersuch. u. -Forsch. 92:331-337. May 1951. 384 Z39
- Vaccinium myrtillus.
- 70613 HENRY, A. M. Report on nuts and nut products. Assoc. Off. Agr. Chem. J. 34:357-359. May 15, 1951. 381 As7
- 70614 JOHNSON, G., MAYER, M. M., and JOHNSON, D. K. Isolation and characterization of peach tannins. Food Res. 16:169-180. Ref. May/June 1951. 389.8 F7322
- 70615 KEILIN, D., and HARTREE, E. F. Purification of horse-radish peroxidase and comparison of its properties with those of catalase and methaemoglobin. Biochem. J. 49:88-104. Ref. June 1951. 382 B52
- 70616 MAGNESS, J. R. Post-harvest chemistry and physiology of certain fresh fruits and vegetables. Pre-Pack-Age 4(10):22-24. (To be cont.) June 1951. 280.38 P91
- 70617 MILLER, E. V., and SCHAAL, E. E. Individual variation of the fruits of the pineapple (Ananas comosus L. Merr.) in regard to certain constituents of the juice. Food Res. 16:252-257. May/June 1951. 389.8 F7322
- 70618 OSBORN, R. A. Report on fruits and fruit products. Assoc. Off. Agr. Chem. J. 34:444-445. May 15, 1951. 381 As7
- 70619 PETERSON, W. J., and others. Determination of riboflavin in a sample of dried collards. South. Coop. Ser. B. 10:113-115. Mar. 1951. 100 G29So
- H. P. Tucker, J. T. Wakeley, and F. D. Cochran, joint authors.

70620 PETERSON, W. J., TUCKER, H. P., and COMSTOCK, R. E. Loss of moisture in turnip green leaves at room temperature. South. Coop. Ser. B. 10: 35-38. Mar.1951. 100 G29So

70621 PETERSON, W. J., and others. Studies of sampling techniques and chemical analyses of vegetables. Introduction. South. Coop. Ser. B. 10:3-6. Mar.1951. 100 G29So

J. T. Wakeley, M. Speirs, and R. Reder, joint authors.
70622 PETERSON, W. J., and others. Studies on the determination of riboflavin in turnip greens. South. Coop. Ser. B. 10:101-112. Mar.1951. 100 G29So
R. E. Comstock, J. T. Wakeley, and F. D. Cochran, joint authors.

70623 PETERSON, W. J., and others. Variation in moisture and ascorbic acid content from leaf to leaf and plant to plant in turnip greens. South. Coop. Ser. B. 10: 13-17. Mar.1951. 100 G29So

H. P. Tucker, J. T. Wakeley, R. E. Comstock, and F. D. Cochran, joint authors.

70624 PEYNAUD, E. Sur la composition chimique des prunes. France. Inst. Natl. de la Rech. Agron. Ann. Ser. A: Ann. Agron. 2:51-56. Jan./Feb.1951. 14 F8499

70625 QUIAOIT, B. Oil content of Philippine copra. Agr. & Indus. Life 13(5):8,25,39. May 1951. 25 Ag8

70626 REDER, R., and others. Determination of ascorbic acid in sweet potatoes, including studies of the effect of various extractants, and the value of two chemical methods. South. Coop. Ser. B. 10:77-88. Mar.1951. 100 G29So

E. A. Fieger, M. Hollinger, M. Speirs, and M. S. Eheart, joint authors.

70627 REDER, R. Effect of loss of foliage on the ascorbic acid and dry matter content of turnip greens. South. Coop. Ser. B. 10:31-33. Mar.1951. 100 G29So

70628 REDER, R., and others. Influence of time of day on the dry matter and vitamin content of turnip greens. South. Coop. Ser. B. 10:9-12. Mar.1951. 100 G29So

L. R. Richardson, J. Whitacre, W. H. Brittingham, and L. C. Kapp, joint authors.

70629 RICHARDSON, L. R., and others. Procedures used to prepare samples of turnip greens for analyses and a comparison of the results when expressed both on a fresh and a dry basis. South. Coop. Ser. B. 10:45-53. Mar.1951. 100 G29So

W. H. Brittingham, J. Whitacre, and L. C. Kapp, joint authors.

70630 SCHWOB, R. Composition chimique de l'avocat Persea americana ou Persea gratissima. Fruits 6:177-183. May 1951. 80 F9492

70631 SJETNE, O., LJONES, B., and HVEEM, H. Judging quality of frozen strawberries. (In Norwegian.) Norsk Hagetid. 67:123-128. July 1,1951. 80 N81

70632 SOUTHERN COOPERATIVE GROUP. Studies of sampling techniques and chemical analyses of vegetables. South. Coop. Ser. B. 10:143 p. Mar.1951. 100 G29So

The Agricultural Experiment Stations of North Carolina Georgia, Oklahoma, Texas, Arkansas, Louisiana, Mississippi, and Puerto Rico cooperating.

70633 SPEIRS, M., and others. A comparison of whole plants and leaves of one size in sampling turnip greens for studies of the effect of environmental conditions on composition. South. Coop. Ser. B. 10:26-30. Mar.1951. 100 G29So

F. F. Cowart, J. Miller, and J. T. Wakeley, joint authors.

70634 SPEIRS, M., and others. Effect of dicing on the moisture, ascorbic acid, and carotene content of turnip greens. South. Coop. Ser. B. 10:57-60. Mar.1951. 100 G29So

J. Miller, J. Whitacre, W. H. Brittingham, and L. C. Kapp, joint authors.

70635 SPEIRS, M., and MILLER, J. Effect of freezing fresh turnip greens for the determination of ascorbic acid, carotene, thiamine, and riboflavin content. South. Coop. Ser. B. 10:39-43. 100 G29So

70636 SPEIRS, M., and others. Effect of leaf size on moisture, ascorbic acid, carotene, thiamine, and riboflavin content of turnip greens. South. Coop. Ser. B. 10: 18-22. Mar.1951. 100 G29So

J. Miller, J. Whitacre, W. H. Brittingham, and L. C. Kapp, joint authors.

70637 SPEIRS, M., and others. Variations in size of sample for the determination of thiamine and riboflavin content of turnip greens. South. Coop. Ser. B. 10:69-73. Mar.1951. 100 G29So

J. Miller, W. J. Peterson, J. T. Wakeley, and F. D. Cochran, joint authors.

70638 TREADWAY, R. H., and CORDON, T. C. The chemicals we get from potatoes. U. S. D. A. Ybk. 1950/51:190-194. 1 Ag84Y

70639 TUCKER, H. P., and others. Determination of ascorbic acid in turnip greens: a comparison of two chemical methods. I. South. Coop. Ser. B. 10:89-94. Mar. 1951. 100 G29So

J. T. Wakeley, F. D. Cochran, M. Speirs, and J. Miller, joint authors.

70640 TUCKER, H. P., WAKELEY, J. T., and COCHRAN, F. D. Effect of washing and removing excess moisture by wiping or by air current on the ascorbic acid content of turnip greens. South. Coop. Ser. B. 10:54-56. Mar.1951. 100 G29So

70641 VELDHUIS, M. K. Chemistry and technology of citrus. U. S. D. A. Ybk. 1950/51:263-267. 1 Ag84Y

70642 WHITACRE, J., BRITTINGHAM, W. H., and KAPP, L. C. Number of turnip green plants for determination of ascorbic acid content. South. Coop. Ser. B. 10:23-25. Mar.1951. 100 G29So

Consumption and Utilization

70643 BAKER, G. L., and WOODMANSEE, C. W. Frozen gelled fruits for the baker. Quick Frozen Foods 13(12):60-61. July 1951. 389.8 Q4

70644 DAWSON, P. R. Sweetpotatoes for food and feed. U. S. D. A. Ybk. 1950/51:204-210. 1 Ag84Y

70645 ESKEW, R. K., and EDWARDS, P. W. Food and feed from white potatoes. U. S. D. A. Ybk. 1950/51: 177-183. 1 Ag84Y

70646 HILLS, C. H., and WILLAMAN, J. J. Many are the values of the apple. U. S. D. A. Ybk. 1950/51:256-261. 1 Ag84Y

Utilization.
70647 KELLEY, E. G. Making use of vegetable residues. U. S. D. A. Ybk. 1950/51:843-850. 1 Ag84Y

70648 LEGAULT, R. R., and RASMUSSEN, C. L. Production and food uses of fruit. U. S. D. A. Ybk. 1950/51:247-250. 1 Ag84Y

70649 MORRIS, R. H., III. The step from laboratory to industry. U. S. D. A. Ybk. 1950/51:44-48. 1 Ag84Y
In the utilization of surplus apples.

70650 NAGLE, V. M. Idaho starch factory utilizes cull potatoes. West. Farm Life 53(13):7. July 1,1951. 6 R153

70651 OWENS, H. S., VELDHUIS, M. K., and MACLAY, W. D. Making use of tons of citrus waste. U. S. D. A. Ybk. 1950/51:268-273. 1 Ag84Y

70652 U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer fruit and juice purchases, Jan.-Mar. 1951, by regions and type of retail outlet. Washington,1951. 57 p. 1.941 M3R26

U. S. Production and Marketing Administration cooperating.

Distribution, Marketing, and Transportation

70653 APPALACHIAN APPLE SERV. Annual report for the 15th season 1950-51. Martinsburg,1951. 20 p. 280.3939 Ap4A

Marketing promotion.

70654 BARGER, W. R., and others. Transit icing tests with early White Rose potatoes from Kern County, California, to New York City, May and June, 1950.

U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 239,9 p. Dec.15,1950. 1.9 P772HT

D. H. Dewey, B. A. Friedman, and A. L. Ryall, joint authors.

70655 BERRY, L. T. Marketing of Virginia apples. Va. Fruit 39(4):12,14. Apr.1951. 81 V81B

70656 BERTAUX, M. The U. S. fruit trade. II—how wholesalers operate; auctions; handling costs; containers; the price mechanism. Fruit Flower & Veg. Trades J. 99(15):23. Apr.14,1951. 80 F946

70657 BRUNK, M. E. Experiments show what makes apples sell. Va. Fruit 39(3):20,22. Mar.1951. 81 V81B

70658 CALIFORNIA. BUR. OF MARKETS. Marketing order for standard lima beans. Sacramento,1951. 17 p. 280.3919 C122Ma

70659 CALIFORNIA CROP AND LIVESTOCK REPORTING SERV. California carlot shipments, fruits and vegetables, 1950. Sacramento,1951. 44 p. 1.9 Ec741Car
Federal-State Market News Service cooperating.

70660 CARLSEN, E. W. How marketing costs are being reduced and better quality apples delivered. Wash. State Hort. Assoc. Proc. 46:76-80. 1950. 81 W273

70661 COPPLE, H. Apple advertising at work for you. Wash. State Hort. Assoc. Proc. 46:71-74. 1950. 81 W273

- 70662 COREY, M. L. Producer and distributor organization for more efficient marketing. Wash. State Hort. Assoc. Proc. 46:153-156. 1950. 81 W273
- 70663 ERNON, C. La vente de nos fruits du verger au consommateur. Fruit Belge 19:69-72. Apr. 1951. 80 F9493
- 70664 FISHER, W. D. California fresh tomatoes—marketing channels and gross margins from farm to consumer—summer and fall, 1948. Glannini Found. Mimeo. Rpt. 113,44 p. June 1951. 281.9 G34M
- 70665 FOYTIK, J. Characteristics of demand for California plums. Hilgardia 20:407-527. Ref. Apr. 1951. 100 C12H
- 70666 GOODRICH, H. Honeydews should always be ripe when put on sale. West. Grower & Shipper 22(8):7, 21. July 1951. 280.38 W52
- 70667 GRANIER, M. Application du froid à la production fruitière. Bouches du Rhône Agr. 23(1049):12. Apr. 1951. 14 B662
- Refrigerated transportation.
- 70668 HENGL, F. Wichtige Änderung des rebenverkehrs-gesetzes. Osterr. Weinztg. 6:53. Apr. 25, 1951. 390.8 Os7
- 70669 HOPKINS, W. Growing vegetables and selling them on the roadside market. N. H. Hort. Soc. J. 14:66-71. 1951. 81 N452J
- 70670 HUDON, M. H. Forum on marketing. Quebec. Pomol. & Fruit Growing Soc. Annu. Rpt. 56:41-54. 1949. 82 Q3
- Apples.
- 70671 JOHNSON, H. B., and others. Texas tomato shipping test from south Texas to Jersey City, New Jersey May 1950; half stage versus full bunker refrigeration in fan cars with mature green Texas tomatoes in standard lugs. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 246,5 p. May 1951. 1.9 P772Ht
- W. R. Buford, B. A. Friedman, and J. S. Wiant, joint authors.
- 70672 JONG, L. G. C. DE. Economic problems of vegetable production. II. (In Dutch.) Boer en Tuinder 5(227):4. May 26, 1951. 12 B632
- Cooperative marketing for the Netherlands.
- 70673 KERCHO, M. R., HERRICK, J. F., JR., and BURT, S. W. Use of recording and transcribing equipment in loading delivery trucks of produce wholesalers. U. S. D. A. Agr. Inform. B. 43,20 p. May 1951. 1 Ag84Ab
- 70674 KNOUSE, M. E. A grower's responsibility in marketing a perishable commodity. Wash. State Hort. Assoc. Proc. 46:61-65, 67-69. 1950. 81 W273
- 70675 LOEWEL, E. L. Was können wir von uns aus tun, um den absatz zu fördern und die preisspannen zu verringern? Obstbauversring. Mitt. 6:30-39. Mar. 1951. 85 J76
- Germany.
- 70676 LUTEROTTI, A. Kölns frucht-grosshandel war von jeher freizügig. Früchte u. Gemüse Markt 3(26,sup.):5-6. June 1951. 286.83 F9425
- 70677 MCKENZIE, R. I. Schooling the dealers in better merchandising; [Canadian] Horticultural Council shows merchants how to display fruits and vegetables. Farmer's Advocate & Home Mag. 86(3401):6,27. June 28, 1951. 7 F22
- 70678 MERCHANT, C. How to market more potatoes. N. H. Hort. Soc. J. 14:92-95. 1951. 81 N452J
- 70679 MERRILL, G. Marketing peaches. Wash. State Hort. Assoc. Proc. 46:157-161. 1950. 81 W273
- 70680 MOORE, W. R. Getting gumption into kraut sales. Canning Trade 73(51):7,21. July 9, 1951. 286.83 T67
- 70681 NATIONAL LEAGUE OF WHOLESALE FRESH FRUIT AND VEGETABLE DISTRIBUTORS. Annual report of the secretary to the 59th annual convention, Baltimore, Md., February 12-13-14-15, 1951. Washington, 1951. 32 p. 287 N214A
- 70682 O'SHEA, H. P. The present situation of the fruit and vegetable market. N. H. Hort. Soc. J. 14:50-60. 1951. 81 N452J
- 70683 PATTERSON, R. A. Selling pears. West. Fruit Grower 5(4):11-13. Apr. 1951. 95.8 G762
- 70684 PIPER, W. E. New publicity for native strawberries. New Eng. Grocery & Mkt. Mag. 19(8):29. June 1951. 286.83 N44A
- 70685 REDIT, W. H., and HEINZE, P. H. Transportation test of heaters in refrigerator cars with bananas, New Orleans to Winnipeg, January 1951. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 241,11 p. Apr. 1951. 1.9 P772Ht
- 70686 ROBINSON, M. M. Its time to grow up. Quebec. Pomol. & Fruit Growing Soc. Annu. Rpt. 56:27-29,31-40. 1949. 82 Q3
- Fruit marketing.
- 70687 SMITH, C. N. Apple marketing study under way. Va. Fruit 39(4):38. Apr. 1951. 81 V81B
- 70688 SPANGENBERG, H. Beratung—unterrichtung—betreuung; der weitgespannte ruhen der verbandsarbeit in Berlin. Früchte u. Gemüse Markt 3(22,sup.):15. June 1, 1951. 286.83 F9425
- Fruit and vegetable marketing.
- 70689 TAWSE, W. J. Selling the apple crop. Quebec. Pomol. & Fruit Growing Soc. Annu. Rpt. 56:16-17,19-20. 1949. 82 Q3
- 70690 U. S. PRODUCTION AND MARKETING ADMIN. Unloads of fresh fruits and vegetables at Washington, D. C., 1950. Washington, 1950. 27 p. 1.9 Ec741Cu
- 70691 WHITTOME, J. E. Dutch auctions in Germany. Fruit, Flower & Veg. Trades' J. 99(9):21. Mar. 3, 1951. 80 F946
- System of horticultural marketing.
- 70692 WRIGHT, T. R., and SMITH, E. Fruit temperatures in commercial Northwestern apple shipments protected with automatic alcohol heaters during January and February 1951. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 249,4 p. May 1951. 1.9 P772Ht
- Grading, Inspection, Standardization, and Quality
- 70693 BETHLEM, M. L. B. On the supposed toxicity of table flour and water flour. (In Portuguese.) Soc. Bras. de Quím. Rev. 19:141-144. Ref. July/Dec. 1950. 385 S014
- Cassava flour.
- 70694 BOWRING, J. R. Potato quality at the retail level in New Hampshire. N. H. Hort. Soc. J. 14:89-91. 1951. 81 N452J
- 70695 CAMPBELL, J. C., and PEPPER, B. B. Some observations on effects of wettable DDT and emulsifiable DDT on potato quality and blight control. Amer. Potato J. 28:638-640. June 1951. 75.8 P842
- 70696 GASTON, H. P., and LEVIN, J. H. Grading apples in the orchard. Mich. Agr. Expt. Sta. Q. B. 33:310-319. May 1951. 100 M58S
- 70697 GOULD, W. A., and KRANTZ, F. A., JR. Tomato juice. 1. Simple device boosts accuracy of PMA color-grading method. Food Packer 32(7):24-25,45. July 1951. 286.83 C165
- 70698 GRIEBEL, C. Durch pilzbefall verdorbene cocosnüsse. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:184-185. Mar. 1951. 384 Z39
- 70699 GUTTERMAN, B. M., LOVEJOY, R. D., and BEACHAM, L. M. Report on quality factors in processed vegetables. Assoc. Off. Agr. Chem. J. 34:231-232. May 15, 1951. 381 As7
- 70700 GUZZINI, D. Fruit tasting. (In Italian.) Italia Agr. 88:265-268. May 1951. 16 It1
- Quality factors in fruit.
- 70701 JOSLYN, M. A., and PONTING, J. D. Enzyme-catalyzed oxidative browning of fruit products. In Mraz, E. M., and Stewart, G. F., eds. Advances in food research, v. 3, p.1-44. Ref. New York, Acad. Press, 1951. 389 M87
- 70702 KIRCHNER, J. G. What makes flavor in fruit? U. S. D. A. 1950/51:251-255. 1 Ag84Y
- 70703 LEE, F. A., and WAGENKNECHT, A. C. On the development of off-flavor during the storage of frozen raw peas. Food Res. 16:239-244. Ref. May/June 1951. 389.8 F7322
- 70704 METZ, J. P. The economics of quality improvement programs for apples. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:46-47. 252.004 N443M
- 70705 MOSSEL, D. A. A. Investigation of a case of fermentation in fruit products, rich in sugars. Antonie van Leeuwenhoek J. Microbiol. & Serol. 17:146-152. Ref. 1951. 448.8 N28A
- 70706 PERRY, A. L. The economics of quality improvement programs for potatoes. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:42-45. 252.004 N443M
- 70707 RAY, E. Comparison of apple export grading regulations; a comparison with New Zealand regulations. Appleland News 15(3):30-32. Mar. 1951. 80 Ap53
- 70708 RUDOLFS, W., FALK, L. L., and RAGOTZKIE, R. A. Contamination of vegetables grown in polluted soil. V. Helminthic decontamination. Sewage & Indus. Wastes 23:853-860. July 1951. 293.8 Se8
- Removal of Ascaris eggs.

70709 SCHONHERR, K. E. Über die geschmacksbeeinflussung von speisekartoffeln durch hexamittel. Nachrbl. des Deut. Pflanzenschutzdienstes 2:135-137. Sept. 1950. 442.9 B832

70710 SIAENS, F. Triage et calibrage des fruits. Fruit Belge 19:54-57. Apr. 1951. 80 F9493

70711 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned sweet potatoes. Rev. Washington, 1951. 8 p. 1.9 Ec792Sw

70712 U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for oranges (California and Arizona). Washington, 1951. 12 p. 1.956 A2Un338

70713 VAN GELDER, H. W. Peach quality pays. West. Fruit Grower 5(4):24. Apr. 1951. 95.8 G762

Packing and Packaging

70714 CAUWENGERGHE, E. VAN. Principes de base à prendre en considération pour l'emballage de nos fruits. Fruit Belge 19:58-63. Apr. 1951. 80 F9493

70715 DAWSON, I. M. How to start prepackaging carrots. Pre-Pack-Age 4(10):18-19. June 1951. 280.38 P91

70716 KUSSE, I. J. Cleveland [vegetable] growers find co-op packing pays. Mkt. Growers J. 80(7):14-15. July 1951. 6 M34

70717 LOEWEL, E. L., and SCHEIL, W. Neue verpackungs-vorschläge des obstbauversuchsrings. Obstbauversring. Mitt. 1950:134-139. Dec. 1/15, 1950. 85 J76

70718 MANDEVILLE, R. Extending the prepackagers' season. Pre-Pack-Age 4(10):20. June 1951. 280.38 P91

70719 MILLER, R. N., and ROBERTSON, W. E. Double shelf life?—It's "in the bag"; potato chips stay fresh and crisp twice as long when special perforated packet of absorbing and drying agents is slipped into the sack. Food Engin. 23(7):38-39, 147. July 1951. 389.8 F737

70720 SCHEIBER, H. E. Korrosion und korrosionsschutz der metallischen konservendosen. 2. Fette u. Seifen 53:274-278. May 1951. 384 C422

For pickles and sauerkraut.

70721 SCHWARZ, T. A. Sunsweet develops new packaging line to handle improved transparent film. Sunsweet Standard 35(2):6-9. July 1951. 286.83 Su7

70722 SWAIN, L. C. Is it practical for the orchardist to make his own apple boxes? N. H. Hort. Soc. J. 14:32-39. 1951. 81 N452J

70723 WRIGHT, C. E. Wider use seen for new citrus container. Pre-Pack-Age 4(10):11-12. June 1951. 280.38 P91

Prices, Price Control, and Rationing

70724 CAMPBELL, K. Seasonal variations in prices of fruit and vegetables. Agr. Gaz. N. S. Wales 62:182-186. Apr. 1951. 23 N472

Processing and Storage

70725 ACENA, B., and MAGUEFLOR, F. Manufacture of starch from cassava. Philippine Agr. Engin. J. 1:147-150. Fourth Q. 1950. 58.8 Ag88

70726 AGATI, G. The protection of fruits and vegetables during storage. (In Italian.) Riv. della Ortoflorofrutticoltura. Ital. 35:141-143. May/June 1951. 86 R22

70727 BAILEY, W. Tide of crops for processing starts rise towards flood stage. Canner 113:13-14. July 1951. 286.83 C16

Vegetables.

70728 BENZ, R. G. Frozen apple juice concentrate problems and possibilities. Wash. State Hort. Assoc. Proc. 46:55-59. 1950. 81 W273

70729 BENZ, R. G. Possibilities of frozen apple juice concentrate. Appleland News 15(3):6, 8-11. Mar. 1951. 80 Ap53

70730 BERRY, J. A., and LINDQUIST, F. E. The art of drying vegetables. U. S. D. A. Ybk. 1950/51:221-226. 1 Ag84Y

70731 BERRY, J. A., and LINDQUIST, F. E. Nine principles for freezing vegetables. U. S. D. A. Ybk. 1950/51:217-220. 1 Ag84Y

70732 BÖMEKE, H. Von der decke tropfendes kondenswasser schädigt fruchte im lager. Obstbauversring. Mitt. 1950:125. Nov. 1/15, 1950. 85 J76

70733 BORGSTRÖM, G. Storage of fruit in modified atmospheres. (In Swedish.) Lantbrakad. Tidskr. 90:49-69. Ref. 1951. 104 Sw3

English summary.

70734 BOSE, A. N., and GHOSH, A. K. Studies in processing of tangerine juice. (Abs.) Indian Sci. Cong. Proc. 36(3):84. 1949. 513 In22

70735 BOULAIS, J. La poudre de banane mure. Fruits 6:109-113. Mar. 1951. 80 F9492

70736 BOVAY, E. Quelques résultats de nos essais de conservation de raisins de table. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 7:43-45. June 1951. 17 J82A

70737 BOYES, J. E. Dehydration: a promising industry for South Africa. Food Indus. So. Africa 4:40-42. Ref. May 1951. 389.8 F7372

Fruit and vegetables.

70738 BRADFORD, A. M. La préservation des agrumes. Inform. Marocaine 544:1,3. June 16, 1951. 281.8 In3

70739 BRIANT, A. M., and DUDGEON, L. T. Marmalades, preserves, conserves, and butters. N. Y. Agr. Col. Cornell Ext. B. 824, 15 p. June 1951. 275.29 N48E

Home preparation.

70740 CALDWELL, J. S., HURST, W. M., and WHITE, H. D. Vegetables and fruits for lockers. U. S. D. A. Ybk. 1950/51:281-288. 1 Ag84Y

70741 CARLONE, R. Experiments on the weight losses of stored apples. (In Italian.) Ann. della Sper. Agr. (n.s.):5:617-640. 1951. 16 An76

English summary.

70742 DAVIS, L. L. Fruit industry aids processing at V. P. I. [Virginia Polytechnic Institute]. Va. Fruit 39(3):6. Mar. 1951. 81 V81B

70743 DELOYE, M. Essais de cuisson effectués avec les lentilles d'Algérie. Rev. Agr. de l'Afrique du Nord 49:65-67. Jan. 26, 1951. 80 R326

70744 DUPAIGNE. Mesure de la résistance à l'arrachement des grains de raisin. Acad. d'Agr. de France. Compt. Rend. 37:287-290. Ref. Apr. 18/25, 1951. 14 P215Bc

70745 ESKEW, R. K., and others. Preparation of full-flavor frozen grape juice concentrates. U. S. Bur. Agr. & Indus. Chem. AIC-301, 7 p. Mar. 1951. 1.932 A2Ag82

G. W. M. Phillips, R. P. Homiller, and N. H. Eisenhardt, joint authors.

70746 ETCHELLS, J. L., JONES, I. D., and BELL, T. A. Advances in cucumber pickling. U. S. D. A. Ybk. 1950/51:229-236. 1 Ag84Y

70747 ETCHELLS, J. L. Pasteurization aids pickle industry. U. S. Agr. Res. Admin. Res. Achvt. Sheet 138(C), 2 p. June 1951. 1.98 R31

70748 FILZ, W. F., and HENNEY, E. N. Home preparation of maraschino cherries. Oreg. Agr. Expt. Sta. B. 497, 11 p. May 1951. 100 Or3

70749 FOUASSIN, A., and VIVARIO, R. La recherche des pectines ajoutées aux conserves de fruits. Rev. des Ferment. et des Indus. Aliment. 6:75-87. Ref. June 1951. 390.08 R32

70750 FURIA, A. Food preserves. (In Portuguese.) Rev. Bras. de Quím. (Cien. & Indus.) 31(181):50, 52, 54. Jan. 1951. 385 R322

Tomato processing.

70751 GADZHIEV, D. M. Mustard oil cake for preservation of grape juice. (In Russian.) Vinodel. i Vinograd. SSSR. 11(1):44-45. Jan. 1951. 95.8 V77

70752 GARCIA LLOSA, A. Nuevo producto resuelve el problema del almacenamiento de papas. Vida Agr. [Lima] 28:349-351, 353-354. May 1951. 9.8 V66

Fusarex.

70753 GOLDEN, C. E. Use of artificial heat for drying fruits and nuts. West. Fruit Grower 5(4):21-23. Apr. 1951. 95.8 G762

70754 GRIFFITHS, F. P. Froth-flotation cleaning. Food Packer 32(7):26-27, 52-53. July 1951. 286.83 C165

Peas, corn, lima beans, and berries.

70755 GRIFFITHS, F. P. The processing of potatoes for food. U. S. D. A. Ybk. 1950/51:184-187. 1 Ag84Y

70756 HOWIE, D. C. The growth of the dried fruit industry in Australia. Sydney, Birt, 1951? 12 p. 280.8 Ec743

Supplement to Birt and Co. Economic and financial survey of Australia (1949-1950).

70757 HRUSCHKA, H. W., and KAUFMAN, J. Storage tests with prepackaged McFarlin and late Howes cranberries, 1950-1951. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 248, 5 p. May 28, 1951. 1.9 P772Ht

70758 JACOBS, G. W. How iced displays help sell your vegetables. Mkt. Growers J. 80(7):18-19. July 1951. 6 M34

- 70759 JAIN, N. L., and others. Cashew apple products. *J. Sci. & Indus. Res.* 10A:209-210. May 1951. 475 J82
- 70760 B. S. Bhatia, J. C. Anand, and G. Lal, joint authors. KASSAB, M. A. How to check precipitation in canned citrus juice. *Canner* 112(26):13-14. June 30, 1951. 286.8 C16
- 70761 KESSLER, H. Das einfrieren von kirschen, eine zusätzliche massnahme zur nutzbringenden verwertung der ernte. *Schweiz. Z. f. Obst- u. Weinbau* 60:230-232. June 16, 1951. 80 Sch9
- 70762 KÜPPERS-SONNENBERG, G. A. Aufbewahrung von topinamburknollen. *Saatgut-Wirt.* 3:33-34. Feb. 1951. 61.8 Sal
- 70763 LEWIS, J. A. Lime juice—a promising newcomer. *Quick Frozen Foods* 13(12):86-88. July 1951. 389.8 Q4
- 70764 MCCOLLOCH, R. J., NIELSEN, B. W., and BEAVENS, E. A. A new frozen avocado product. *U. S. Bur. Agr. & Indus. Chem. AIC-305,3 p.* Apr. 1951. 1.932 A2Ag82
- 70765 GUACAMOLE, an avocado spread.
- 70766 MARTIN, M. Home canning of fruits, vegetables and meats for South Carolina. *Clemson Agr. Col. S. C. Ext. B.* 112,31 p. May 1951. 275.29 So8F
- 70767 MAUCH, A. So soll das luftkühlager behandelt werden! *Obstbauversing. Mitt.* 1950:115. Oct. 1/15, 1950. 85 J76
- 70768 MILLER, V. L. Freezing fruits and vegetables at home. *Farmers Fed. News* 31(10):4,9. June 1951. 280.28 F225
- 70769 MOITREL, P. Un nouveau séparateur automatique de coques et d'amandes. *Oléagineux* 6:421. July 1951. 77.8 OL2
- 70770 NATIONAL CANNERS ASSOCIATION. DIV. OF STATISTICS. Canned food pack statistics: 1950. Washington, 1951. 2 v. 389.9 N214Ca
1. Fruits; 2. Vegetables.
- 70771 NAVELLIER, E. Conditionnement des fruits secs. *Fruits* 6:189-193. May 1951. 80 F9492
- 70772 NEBESKY, E. A., ESSELEN, W. B., JR., and FELLERS, C. R. Peroxidase inactivation in processed cucumber pickles. *J. Milk & Food Technol.* 14:103-104, 108. Ref. May/June 1951. 44.8 J824
- 70773 NEUBERT, A. M. Floating peas to clean them. *U. S. D. A. Ybk.* 1950/51:237-241. 1 Ag84Y
- 70774 NIMMO, C. C., WALKER, L. H., and SEAMANS, V. S. Storing apple juice concentrate. (Abs.) *Ice & Refriger.* 121:31. July 1951. 295.8 Ic2
- 70775 ONGARO, D. Concrete aspects of the use of ion exchange in the fruit juice and preserves industry. (In Italian.) *Indus. Ital. delle Conserve* 25:196-202. Nov./Dec. 1950. 389.8 In23
- 70776 OVERBY, D. R. A report on color and flavor extraction units at Italian Swiss Colony. *Wines & Vines* 32(6):22-23. June 1951. 95.8 C122
- Grape processing equipment.
- 70777 PADFIELD, C. A. S. Superficial scald on New Zealand Granny Smith apples—the period of greatest susceptibility. *New Zeal. J. Sci. & Technol. A Agr. Res. Sect.* 32(3):45-47. Oct. 1950. 514 N48A
- 70778 PEYER, E. Eine neue hydraulische traubenpresse mit rotierendem presskorb und automatischer tresterauflockerung. *Schweiz. Z. f. Obst- u. Weinbau* 60:243-245. June 30, 1951. 80 Sch9
- 70779 PRUD'HOMME, M. Étude de la clarification des jus de pommes japonais. *Fruits* 6:141-144. Apr. 1951. 80 F9492
- 70780 PRUTHI, J. S., and LAL, G. Preservation of citrus fruit juices. *J. Sci. & Indus. Res.* 10B:36-41. Ref. Feb. 1951. 475 J82
- 70781 RABAK, W. The oldest way to store fruit. *U. S. D. A. Ybk.* 1950/51:275-276. 1 Ag84Y
- Drying fruit.
- 70782 RABAK, W. Preservation of fruits by freezing. *U. S. D. A. Ybk.* 1950/51:277-280. 1 Ag84Y
- 70783 RIEDEL, L. The refrigerating effect required to freeze fruits and vegetables. *Refriger. Engin.* 59:670-673. July 1951. 295.9 Am32J
- Equipment.
- 70784 ROPER, B. E., and MILLER, E. V. The effects of some special treatments in the degreening of Florida oranges as measured by respiration rate. *Plant Physiol.* 26:244-257. Ref. Apr. 1951. 450 P692
- 70785 SANBORN, N. H. Effective sanitation of pea viner stations. *Canner* 113:16,26,28. July 7, 1951. 286.85 C16
- 70786 SCHNEIDER, A. Untersuchungen über die eignung von erbsensorten für zwecke der nasskonservierung. *Züchter* 21:97-107. Ref. 1951. 442.8 Z8
- 70787 SHORCROSS, R. Frozen fruit products, their place in New Hampshire fruit industry. *N. H. Hort. Soc. J.* 14:24-31. 1951. 81 N452J
- 70788 SINDALL, R. A., JR. How to do it! Getting the most from your tomato scalders. *Canning Trade* 74:6. July 23, 1951. 286.83 T67
- 70789 SKEPPER, A. H., and DAVISON, J. R. Dehydration: drying shed layout. *Agr. Gaz. N. S. Wales* 62:196-199. (Concl.) Apr. 1951. 23 N472
- Fruit drying.
- 70790 SMOCK, R. M. The storage of apples. *Quebec. Pomol. & Fruit Growing Soc. Annu. Rpt.* 56:21-25. 1949. 82 Q3
- 70791 SOUTH AUSTRALIA. DRIED FRUITS PROCESSING COMMITTEE. Sultana drying; recent developments and recommendations. *So. Austral. Dept. Agr. J.* 54:379-381. Mar. 1951. 23 So84
- 70792 STANTON, H. R. Air circulation is key to successful potato storage. *N. J. Agr.* 33(2):1-2. Mar./Apr. 1951. 275.28 N46
- 70793 TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Pickles and relishes. *Tex. Agr. Col. Ext. B.* 188,19 p. Mar. 1951. 275.29 T312
- 70794 THAYER, E. N. Home econ' students taught value and use of dried fruit. *Sunsweet Standard* 35(2):2-3. July 1951. 286.83 Su7
- 70795 THURBER, F. H., GASTROCK, E. A., and GUILBEAU, W. F. Production of sweetpotato starch. *U. S. D. A. Ybk.* 1950/51:163-167. 1 Ag84Y
- 70796 TREADWAY, R. H., and HOWERTON, W. W. Production of white-potato starch. *U. S. D. A. Ybk.* 1950/51:168-172. 1 Ag84Y
- 70797 VAN ARSDEL, W. B. Principles of the drying process with special reference to vegetable dehydration. *U. S. Bur. Agr. & Indus. Chem. AIC-300,89 p.* Jan. 1951. 1.932 A2Ag82
- 70798 VAN DYKE, A. W. Reduce your produce losses. *Conn. Agr. Col. Ext. Folder* 52,4 p. Apr. 1951. 275.29 C76Ex
- Retail storage of fresh fruits and vegetables.
- 70799 VERHAERT, A. Entreposage frigorifique des fruits. *Fruit Belge* 19:64-69. Apr. 1951. 80 F9493
- 70800 VON SCHELHORN, M. Control of microorganisms causing spoilage in fruit and vegetable products. In *Mrak, E. M., and Stewart, G. F., eds. Advances in food research*, v. 3, p.429-482. Ref. New York, Acad. Press, 1951. 389 M87
- Sterilization and preservation by various methods.
- 70801 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington fruit canning guide. *Wash. State Col. Ext. C.* 191,4 p. June 1951. 275.29 W27C
- 70802 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington vegetable canning guide. *Wash. State Col. Ext. C.* 192,4 p. June 1951. 275.29 W27C
- 70803 WELLS, A. W. The storage of edible nuts. *U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt.* 240,10 p. Mar. 27, 1951. 1.9 P772Ht
- 70804 WRIGHT, R. C., DAVIS, M. E., and HENDEL, C. E. The making of potato chips. *U. S. D. A. Ybk.* 1950/51:188-189. 1 Ag84Y
- 70805 YEAGER, A. F. The storage of butternut squash. *N. H. Hort. Soc. J.* 14:74-75. 1951. 81 N452J

Statistics

- 70806 BYRD, N. P., and BLAIR, R. E. California fruit and nut crop acreage estimates as of 1950. *Calif. Dept. Agr. B.* 40:52-79. Apr./June 1951. 2 C12M
- Statistics.
- 70807 FRITZSCHE, R. Obstbaumzählungen und ertragserhebungen. *Schweiz. Z. f. Obst- u. Weinbau* 60:225-228. June 16, 1951. 80 Sch9
- 70808 MILLER, C. R. 1950 census confirms big tree losses in Va. & W. Va. *East. Fruit Grower* 14(4):10-12. June 1951. 80 Ea73
- 70809 U. S. BUR. OF AGRICULTURAL ECONOMICS. Fruits (noncitrus); production, farm disposition, value, and utilization of sales, 1949 and 1950, by E. O. Schlottbauer, O. M. Frost, and A. M. Caron. Washington, 1951. 33 p. 1.941 H8F94
- 70810 WIRTH, Anbau und ernte von gemüsesamen im jahre 1950. *Statis. Monatsh. Württemberg-Baden* 5:59-60. Feb. 1951. 265 St24
- Statistics.

GRAIN AND GRAIN PRODUCTS

- 70910 AHLBORN. Die müllerische seite der neuen ausmahlungs- und typenvorschriften. Allg. Bäcker-Ztg. 6(19):3. May 11, 1951. 389.8 AL5
- 70911 ALLEN, H. Grain drying pays. Farm & Ranch—South. Agr. Upper So. Ed. 81(6):20,24. June 1951. 6 T31
- 70912 BARLASS, J. M. Policies and practices in marketing malting barley at country elevators and in terminal markets. Barley Impr. Conf. Rpt. 7:21-25. Jan. 23, 1951. 59.9 M583
- 70913 BARNETT, S. A. Damage to wheat by enclosed populations of *Rattus norvegicus*. J. Hyg. 49:22-25. Mar. 1951. 449.8 J82
- 70914 BELL, E. J. Long-range markets for Oregon wheat. Oreg. Dept. Agr. Agr. B. 170:17-19. June 1951. 2 Or3
- 70915 BERLINER. Der einfluss der weizenvorbereitung und chemischen mehlabhandlung auf die backfähigkeit. Deut. Müller-Ztg. 49:121-122. Mar. 7, 1951. 298.8 Su2
- 70916 BLUME, F. Automatische kleinemühlen mit getrennten schrotungen. Müllerei 4:359-360. June 2, 1951. 298.8 M91
- 70917 BOALS, G. P. The world rice balance. Washington, U. S. Off. Foreign Agr. Relat., 1951. 10 p. 1.943 B63
- Summary of remarks before annual meeting of the Rice Miller's Association at Houston, June 1, 1951.
- 70918 BURE, J. Schätzung der mehlausbeute des getreides. Deut. Müller-Ztg. 49:14-15. Jan. 10, 1951. 298.8 Su2
- 70919 CAROLIS, V. DE. Intensify cultivation of wheat. (In Italian.) Rinascita Agr. 6(2):2. Nov. 15, 1950. 281.8 R47
- Italy.
- 70920 CORRADO, B. W. The "grain shortage." Spirits 18(7):13-15, 63. July 1951. 390.8 Am34
- 70921 COSMA, G. Glance in retrospect at the price of wheat. (In Italian.) Gior. di Agr. 61:165. May 27, 1951. 16 R1G
- 70922 COUCH, J. F. Rutin, a new drug from buckwheat. U. S. D. A. Ybk. 1950/51:742-745. 1 Ag84Y
- 70923 COUTIAUX, P. Une méthode originale de moisson. Agriculture [Paris] 15:139. May 1951. 14 Ag823
- 70924 CROSTON, C. B., and EVANS, C. D. The industrial uses of corn protein. U. S. D. A. Ybk. 1950/51:607-610. 1 Ag84Y
- 70925 CROUSE, E. F. Store it yourself—it pays. Farm J. 75(7):32-33, 105-106. July 1951. 6 F2212
- Chiefly grain storage.
- 70926 DALE, M. R. M. Production of rice in Chile expected to drop almost fifty per cent this year. Foreign Trade 9:1155. June 30, 1951. 286.8 C162
- 70927 DICKSON, A. D., and BURKHART, B. A. The facilities and work of the barley and malt laboratory. (Abs.) Amer. Brewer 84(6):54, 70. June 1951. 390.8 Am3
- 70928 DIETZ, R. Die feuchtigkeit von getreide und mehl als wesentlicher faktor des vermahlungsprozesses. II. Wiss. Müllerei 6:43-48. In Müllerei 4(23). June 9, 1951. 298.8 M91
- 70929 DITTEMORE, P. L. Modern machines for an old mill. Nowest. Miller (Milling Prod. Sect.) 246(2):1a, 12a-15a. July 10, 1951. 298.8 N81
- 70930 DRASSLER, W. Mühendiagramm und mahltafel. Deut. Müller-Ztg. 49:39-40. Jan. 24, 1951. 298.8 Su2
- 70931 DREOSTI, G. M., and LOUW, J. D. Drying of grain in bags. Union So. Africa. Dept. Agr. Sci. B. 283, 40 p. 1950/51. 24 So84S
- 70932 DRICOT, C., BRUGGEMANS, R. J., and DUFEY, V. Le séchage des grains récoltés à la moissonneuse-batteuse. Rev. de l'Agr. 4:711-737. June 1951. 13 R322
- English summary.
- 70933 ESSERY, R. E. Extraction of phytic acid from malt during mashing, and precipitation in the copper. Inst. Brewing. J. 57:170-174. May/June 1951. 390.9 In7
- 70934 FAJERSSON, F. Baking quality of wheat varieties. (In Swedish.) Lantmannen 35:501-502. June 23, 1951. 11 L234
- 70935 FILES, H. W. The miller and the baker—servants of the people. Nowest. Miller (Milling Prod. Sect.) 246:58-59. July 3, 1951. 298.8 N81
- 70936 FONTANILLE, H. La défense de la culture du blé; l'action civique doit compléter l'action professionnelle. Algérie Agr. et Vitic. 29(1169):1. June 2, 1951. 24 AL37
- 70937 FONTANILLE, H. La politique du blé—la fixation des prix. Algérie Agr. et Vitic. 29(1162):1-2. Apr. 7, 1951. 24 AL37
- 70938 GALLIE, A. K. The milling of wheat to varying extractions. Milling 116:712-713. June 30, 1951. 298.8 M622
- 70939 GALTER, E. Optimale mahlfeuchtigkeit und mahlhärte. Deut. Müller-Ztg. 49:224. May 2, 1951. 298.8 Su2
- 70940 GARDINER, J. The future of the oat milling industry. Milling 116:526-528. May 26, 1951. 298.8 M622
- 70941 GAY, T. Eyes on Australian wheat. Bakers' Natl. Assoc. Rev. 68:653. May 4, 1951. 389.8 N214
- Quality.
- 70942 GERMANY. TERRITORY UNDER ALLIED OCCUPATION, 1945—. VEREINIGTES WIRTSCHAFTS-GEBIET. Die getreideernte 1950 im Bundesgebiet. Germany. Statist. Bundesamt. Statist. Ber. 3(4/13A), 7 p. Mar. 1, 1951. 265 V58
- Statistics.
- 70943 GONÇALVES, P. A. Price received for rice in Louisiana. (In Portuguese.) Lav. Arroz. 5(52):11-12. Apr. 1951. 59.8 L39
- 70944 GÖPP, K. Zum stand der sommergerste im juni. Brauwelt 1951:544-546. June 28, 1951. 390.8 B732
- Germany.
- 70945 GRAFF, A. R., and SPITZ, D. A. Experimental malting equipment, a new design. (Abs.) Amer. Brewer 84(6):52. June 1951. 390.8 Am3
- 70946 GRAIN AND FEED DEALERS NATIONAL ASSOCIATION. Directory, summer 1951. St. Louis, 1951. 76 p. 225 G763
- 70947 GRAY, W. D. Milling's golden era; summary of 25 years of progress. Nowest. Miller (Milling Prod. Sect.) 246(2):5a-6a, 8a-9a. July 10, 1951. 298.8 N81
- Equipment.
- 70948 GUSLER, G. Wheat market outlook. Nebr. Farmer 93(13):1, 16-17. July 7, 1951. 6 N27
- Similar title in Farmer [St. Paul] Gen. Ed. 69(13):6, 12. July 7, 1951. 6 F2211; Ohio Farmer 208:12-13. July 7, 1951. 6 Oh3
- 70949 HAARER, A. E. Sorghum millet in Africa. Food [London] 20:244. July 1951. 389.8 F738
- 70950 HADORN, H. Biochemische bestimmung von maltose und dextrin in malzextrakten. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:151-157. 1951. 389.9 Sw6
- 70951 HILL, H. K. Those vital grain reserves. Mktg. Activ. 14(3/4):3-6. Mar./Apr. 1951. 1.942 A8M34
- 70952 HOPF, L. Kleinmüllerei mit mehr oder weniger rückmahlung. Müllerei 4:358-359. June 2, 1951. 298.8 M91
- 70953 HOPF, L. Schwierige umbauten. Müllerei 4:300. May 5, 1951. 298.8 M91
- 70954 KESTER, E. B., and JONES, J. W. News of rice, an ancient staple. U. S. D. A. Ybk. 1950/51:362-366. 1 Ag84Y
- 70955 KLUG, H. Zur feuchtigkeitsbestimmung in mühlen. Deut. Müller-Ztg. 49:97. Feb. 21, 1951. 298.8 Su2
- 70956 KOPMEYER, M. R. Rice, important world food. Fruit & Veg. Rev. 13(4):11. July 1951. 80 C1224
- 70957 LADISH, H. H. Industry program leads to better malting barley. Brewers B. 44(42):3-4. May 24, 1951. 390.8 B754
- 70958 MCKINNIS, D. The income certificate plan for wheat sales. Oreg. Dept. Agr. Agr. B. 170:16. June 1951. 2 Or3
- Oregon.
- 70959 MACLEOD, A. M. Sugars and amino acids of the barley grain. Inst. Brewing. J. 57:163-169. Ref. May/June 1951. 390.9 In7
- 70960 MAJORS, K. R. Cereal grains as food and feed. U. S. D. A. Ybk. 1950/51:331-340. 1 Ag84Y
- 70961 MARINELLI, R. Variations in the baking quality of Italian flours. (In Italian.) Molini d'Italia 2:154-155. Apr. 1951. 298.8 M73
- 70962 MARTIN, B. Die aspiration in der pneumatischen mühle. Deut. Müller-Ztg. 49:204. Apr. 18, 1951. 298.8 Su2
- 70963 MARTIN, J. H., and MACMASTERS, M. M. Industrial uses for grain sorghum. U. S. D. A. Ybk. 1950/51:349-352. 1 Ag84Y
- 70964 MARTIN, J. H., and JENKINS, M. T. New uses for waxy-cereal starches. U. S. D. A. Ybk. 1950/51:159-162. 1 Ag84Y

- 70865 MARTIN, R. Cotton and grain sorghums give wheat farmers second and third strikes for a crop in '51. *Farmer-Stockman* 54(7):8,22-23,25. July 1951. 6 Ok45
Wheat and cotton crop outlook in Oklahoma.
- 70866 MEHLTRETTER, C. L. Acids of many uses from corn. *U. S. D. A. Ybk.* 1950/51:780-784. 1 Ag84Y
- 70867 MENCKEN, A. Here's the other side of the weeds-in-grain argument. *Farm & Ranch Rev.* 47(3):12-13. Mar.1951. 7 F223
Shipping costs in Canada.
- 70868 MENESSION, H. Le prix du blé 1951 s'établit à 3.800 fr. le quintal sauf nouvelles hausses. *J. de la France Agr.* 7:1541-1542. May 25/31,1951. 14 J829
- 70869 MILBURN, G. Snakes: guardians of the Granary. *Org. Farmer* 2(12):24-27,59. July 1951. 57.8 Or3
- 70870 MINNEAPOLIS GRAIN EXCHANGE. Sixty-eighth annual report for the year ending December 31st, 1950. Minneapolis,1951. 78 p. 287 M66R
Statistics.
- 70871 MONTREUIL, J., and SCRIBAN, R. Les glucides de l'orge et du malt. *Petit J. du Brasseur* 59:373-377. Ref. May 18,1951. 390.8 P44
- 70872 MOT, P. Du nouveau dans le séchage de la farine. *Meun. Franc.* 55:40-42. Feb.1951. 298.8 M57
- 70873 MUNSEY, V. E. Report on cereal foods. *Assoc. Off. Agr. Chem. J.* 34:269-270. May 15,1951. 381 As7
- 70874 MUNSEY, V. E. Report on nitrites in flour. *Assoc. Off. Agr. Chem. J.* 34:273-275. May 15,1951. 381 As7
- 70875 MUNSEY, V. E. Report on starch in cereals. *Assoc. Off. Agr. Chem. J.* 34:270-273. May 15,1951. 381 As7
- 70876 NEILSON, F. The Corn Law rhymes. *Amer. J. Econ. & Sociol.* 10:407-415. July 1951. 280.8 Am393
- 70877 NORTHWESTERN MILLER. Almanack number; facts & figures of the flour, grain, feed & baking industries. *Nowest. Müller* 245(17,sect.2),132 p. Apr.24,1951. 298.8 N81
- 70878 O'BRIEN, E. J. Victorian F.A.Q. wheat; analysis of 1951 sample. *Victoria. Dept. Agr. J.* 49:181-182. Apr.1951. 23 V66J
- 70879 PAGNON, R. Pour une politique française du riz. *Marches Colon.* 7:1486-1487,1544-1545. May 26-June 2,1951. 286.8 M33
- 70880 PARKER, J. H., and LEJEUNE, A. J. The selected varieties of malting barley program, 1950. *Barley Impr. Conf. Rpt.* 7:26-28. Jan.23,1951. 59.9 M583
- 70881 PELSSENKE, P. F. The newer knowledge of the baking quality of rye flour. (*Sum.*) *Baker's Digest* 25:61. June 1951. 389.8 Si1
- 70882 PETERSON, K. D. Farmer grain marketing. *Ohio Farm Bur. News* 30(12):8-10. July 1951. 6 Oh34
- 70883 PFEUFFER, F. Verdunstungsverlust bei der vermahlung. *Deut. Müller-Ztg.* 49:10-11. Jan.10,1951. 298.8 Su2
- 70884 PIACCO, R. The "Cosepe" drier. (*In Italian.*) *Risicoltura* 38:297-301. Dec.1950. 59.8 G43
- 70885 PIENNING. Zuerst brotgetreide-versorgung; devisa für auslandsgetreide-einlagerung; ablieferungs-pflicht für inlandsgetreide. *Deut. Müller-Ztg.* 49:241-242. May 16,1951. 298.8 Su2
- 70886 PINCHIN, R. J. The pneumatic system; a challenge to flour milling management. *Milling* 116:554,557. June 2,1951. 298.8 M622
- 70887 POTTS, R. B. Southwest Cereal Chemists crop report. *Bakers' Helper* 96(1200):90-91. July 21,1951. 389.8 B17
- 70888 PREECE, L. A. Non-starchy polysaccharides of barley, and their influence on wort composition. (*Sum.*) *Amer. Brewer* 84(6):42. June 1951. 390.8 Am3
- 70889 RESEARCH ASSOCIATION OF BRITISH FLOUR MILLERS. Lipase in oats. *Milling* 116:532. May 26,1951. 298.8 M622
- 70890 SANDEGREN, E. Some investigations on malting barley. (*Sum.*) *Amer. Brewer* 84(6):40,42. June 1951. 390.8 Am3
- 70891 SCHMORL, K. Kolloide in der müllerei und bäckerei. VI. Enzyme oder fermente. *Müllerei* 4:360-361. June 2,1951. 298.8 M91
- 70892 SCHMORL, K., and ERPF, H. U. Neuere untersuchungen über "pilz-diastase." *Wiss. Müllerei* 6:41-43. In *Müllerei* 4(23). June 9,1951. 298.8 M91
Flour research.
- 70893 SCHULTE, K. E. Beitrag zur kenntnis der pflanzlichen phosphatide. (*Abs.*) *Z. f. Lebensmtl.-Untersuch. u. -Forsch.* 92:271. Apr.1951. 384 Z39
In wheat seedlings.
- 70894 SCHULZE, R. Müllerlehrling und selbsterziehung. *Deut. Müller-Ztg.* 49:220. May 2,1951. 298.8 Su2
- 70895 SEGMENT, B. R. Barley extract with your own enzymes. (*Abs.*) *Amer. Brewer* 84(6):50. June 1951. 390.8 Am3
- 70896 SEN, H. D., and KAPOOR, B. D. Studies on manufacture of commercial diastase for desizing in textile industry. *Sugar Technol. Assoc. India. Proc.* 19:41-45. 1950. 65.9 Su33P
Diastase from grain and *Aspergillus oryzae*.
- 70897 SHODA, H. Flour milling industry in Japan. *Mod. Miller & Bakers News* 78(14):28. July 7,1951. 298.8 M72
- 70898 SOLDNER, O. Konditionierung der luft in geschlossenen räumen unter besonderer berücksichtigung der mühlenindustrie. *Deut. Müller-Ztg.* 49:12-13,16-17. (*To be cont.*) Jan.10,1951. 298.8 Su2
- 70899 SPINDLER, F. Die zuverlässige bestimmung der testzahl, auch mit einfachen und billigen mitteln. *Deut. Müller-Ztg.* 49:201-203,225-226. Apr.18-May 2, 1951. 298.8 Su2
Wheat.
- 70900 STANTON, T. R. New products from an old crop. *U. S. D. A. Ybk.* 1950/51:341-344. 1 Ag84Y
Utilization of oats.
- 70901 STRICKLER, P. E., and SCHOLL, J. C. Harvesting and feeding oats. *U. S. Bur. Agr. Econ. F. M.* 85,4 p. June 1951. 1.941 L6F22
Statistics.
- 70902 SYMON, J. A. Cairnhill, Turriff, 1861-1926. II. *Scot. Agr.* 31:24-29. Summer 1951. 10 Sco82So
Grain prices and consumption in Scotland.
- 70903 TAYLOR, R. H. U. S. grain for India. *San Joaquin Val. Poultryman* 21(11):10. Apr.1951. 47.8 Sa53
- 70904 THEIMER, O. F. Graphische hilfstaftel für die belüftung von gelagertem getreide. *Deut. Müller-Ztg.* 49:37-38,46. Jan.24,1951. 298.8 Su2
- 70905 TORNOW, E. Die heimat der mehlfrüchte. *Deut. Müller-Ztg.* 49:202-203. Apr.18,1951. 298.8 Su2
History of various grains.
- 70906 TORNOW, E. Zweck und nachweis der mehlbehandlung. *Deut. Müller-Ztg.* 49:44-46. Jan.24,1951. 298.8 Su2
- 70907 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR GENERAL. Report on the accounts of the Wheat Industry Control Board for the accounting year 1st October, 1947, to 30th September, 1948, and the balance sheet as at 30th September, 1948. Pretoria,1950. 35 p. 286.9 So83V
- 70908 U. S. PRODUCTION AND MARKETING ADMIN. South Dakota bin site directory. n.p.,1951? 16 p. 1.956 A2So82
- 70909 VALLE, G. Storage of grain. (*In Italian.*) *Agenzia Romana Note e Inform. Agr.* 33:9. May 12,1951. 281.8 Ag3
Problems of grain moisture.
- 70910 VOGEL, S. L. Threshing barley for malting purposes. *Barley Impr. Conf. Rpt.* 7:16-21. Jan.23,1951. 59.9 M583
- 70911 VON LOESECKE, H. W. The chemist seeks one of three goals. *U. S. D. A. Ybk.* 1950/51:21-24. 1 Ag84Y
Profitable uses for corn and the chemist's way of finding them.
- 70912 WILL. Die wäscherei und vorbereitung in der klein- und mittelmühle. *Deut. Müller-Ztg.* 49:307-308. June 13,1951. 298.8 Su2
- 70913 ZIPF, R. L. Wet milling of cereal grains. *U. S. D. A. Ybk.* 1950/51:142-147. 1 Ag84Y

HONEY AND BEESWAX

- 70914 BUTANI, D. K. In praise of honey. *Indian Bee J.* 13:36-41. Mar./Apr.1951. 424.8 In2
- 70915 FLEMMING, M. Honey labels. *Brit. Bee J.* 79:331. Apr.28,1951. 424.8 B77
- 70916 GREEN, G. W. Honey sale suggestions. *Brit. Bee J.* 79:30. Jan.13,1951. 424.8 B77
- 70917 HERRERO ARALDI, E. O. Miel; caracteres generales-composición química - adulteraciones. *Gac. del Colmenar* 12(144):2-5. Mar.1951. 424.8 G11
- 70918 KASL, W., and OBERTRIXEN, P. Das wach des imkers. *Carnika-Züchterring* 3:25. Feb.1951. 424.8 C21
- 70919 KEHL, A. W. Tomatoes, pianos, clothes, hats and honey. *Amer. Bee J.* 91:290. July 1951. 424.8 Am3
Marketing quality products.
- 70920 LE CLERQ, P. Rosemary honey—its possibilities in the U. S. *Amer. Bee J.* 91:296. July 1951. 424.8 Am3

- 70921 MORRIS, R. G. Honey sales. Bee Craft 33:91. May 1951. 424.8 B3925
England.
- 70922 ROOT, H. H. You can learn to like it. Gleanings Bee Cult. 79:437. July 1951. 424.8 G47
Buckwheat honey.
- 70923 WALTON, G. P. Sources and values of honey. U. S. D. A. Ybk. 1950/51:308-315. 1 Ag84Y

LIVESTOCK AND LIVESTOCK PRODUCTS

- 70924 BACKMAN, K. More meat—less milk. (In Swedish.) Lantmannen 35:459-460. June 9, 1951. 11 L234
- 70925 BEAM, A. Now! Piggery pigs in Nebraska. Nebr. Farmer 93(13):5,28. July 7, 1951. 6 N27
Pig hatchery.
- 70926 BULL, S. Meat for the table. New York, McGraw-Hill, 1951. 240 p. 389 B873
- 70927 COSSETTE, M. Faut-il aider les éleveurs de lapins? B. des Agr. 47(6):6,48. June 1951. 7 B872
Canada.
- 70928 COVELL, R. W. H. Intolerable bungling in meat supplies. Meat Trades' J. 142:519-521. June 7, 1951. 50.8 M46
Includes discussion.
Great Britain.
- 70929 DYER, I. A. Balancing up—with hogs! South. Livestock J. 10(12):44,52,54. July 1951. 43.8 F66A
- 70930 FRENCH, M. H. East African hides and skins industry. Leather Trades' Rev. 100:243-246. (Cont.) May 2, 1951. 303.8 L48
- 70931 GIBERTI, H. Development of pig-breeding in Argentina. Rev. River Plate 109(3077):17-19,21-22. June 8, 1951. 286.8 R32
Various aspects of the industry.
- 70932 GILL, L. The swing is to farm sheep flocks. Mont. Farmer-Stockman 38(18):1,16-17. May 15, 1951. 6 M764
- 70933 GONZÁLEZ, A. D. La industria de la carne en los Estados Unidos; el pueblo yanqui consume 10.000 millones de kilos anuales de carne, procedentes de 27.000 mataderos y 5.000.000 de ganaderos diseminados por todo el país. I. Ganadería [Madrid] 9:126-127. Mar. 1951. 49 G15
- 70934 HAVERMANN, H. Streiflichter aus der tierzucht und tierhaltung der USA. In Röhm, H., ed. Amerikanische Landwirtschaft, p.295-302. Münster, 1950? 281.12 R63
- 70935 HOWE, P. E. Foods of animal origin. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.637-652. New York, 1951. 389.1 Am352
- 70936 LAMAR ROURA, J. Cuestiones ganaderas; crisis de abastecimientos. Rev. Ganad. [Habana] 11(7):7-8. July 1951. 49 R321
Cuba.
- 70937 LINDQUIST, J. R. Operating a hide business under controls. Leather Mfr. 62(7):47-48. July 1951. 303.8 L484
- 70938 LISKUN, E. F. Fundamental problems in increasing productivity of animal industry. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok. 12:5-7. 1950. 20 M875
- 70939 LOBAUGH, E. R. NPA's leather program; if shortages occur, much will depend upon the leather chemist. Leather & Shoes 121(25):12,49. June 23, 1951. 303.8 H53
- 70940 LOWIT, J. C. \$100,000,000 a year rabbit industry? Small Stock Mag. 35(7):7-8. July 1951. 48.8 P442
- 70941 MENEUGH, H. Competition in the hog business. Poland China World 38(6):6-8. July 1951. 46.8 Sw62
- 70942 MIHIÈRE, L'avenir de l'élevage du porc en danger. Bouches du Rhône Agr. 23(1053):1-2. June 15, 1951. 14 B662
- 70943 MORALES ANTEQUERA, C. Un año difícil para la ganadería. España Agr. 1950:3-4. Dec. 1950. 335.8 Es6
- 70944 O'REILLEY, L. J. Future of fur industry. Amer. Natl. Fur & Mkt. J. 29(12):6,14-16. (To be cont.) July 1951. 412.629 Am3M
- 70945 POLLOCK, R. C. U. S. meat position basically sound. Quick Frozen Foods 13(12):69-70. July 1951. 389.8 Q4
- 70946 RANSOM, E. T. World fur production and trade. Amer. Fur Breeder 24(7):12-13,36. July 1951. 410 Am33
- 70947 RINOLDI, L. Lanolin or wool fat. (In Italian.) Laniera 65:173,175,177. Mar. 1951. 45.8 B63

- 70948 RUBIN, I. A. The current situation in bristle for brushes. Pacific Purchaser 33(5):78-81. May 1951. 280.8 P112
- 70949 SAUNDERSON, M. H. What's ahead for the Western cattle ranch; opportunity looms at the opening of a decade of probable expansion with the race likely to go to the strong, the smart and the swift. Amer. Hereford J. 42(5):616,618,620,622,624,626,628. July 1, 1951. 43.8 Am32
- 70950 SCANLAN, J. T. Some goods from wool grease. U. S. D. A. Ybk. 1950/51:863-868. 1 Ag84Y
- 70951 SIMS, G. J. Meat and meat animals in World War Two. U. S. D. A. Agr. Monog. 9,149 p. Ref. Feb. 1951. 1 Ag84Am
The meat industry including prices.
- 70952 SONNEMANN, Vernünftige anpassung. Deut. Landwirt. Presse 74:157. June 2, 1951. 18 D482
Swine situation and outlook.
- 70953 TANNERS' COUNCIL OF AMERICA. The romance of leather and its importance to mankind. 3-4. Canad. Cattlemen 14(4):18-19,26-27;(6):7,10-11. Apr. June 1951. 49 C16
- 70954 U. S. BUR. OF AGRICULTURAL ECONOMICS. Early lamb situation, May 1, 1951. Washington, 1951. 2 p. 1.9 Ec742Ea
- 70955 VINCENT, G. Le problème de la viande porcine. Rev. de l'Agr. 4:590-604. May 1951. 13 R322
English summary
Belgium.
- 70956 ZAGOREN, R. Rabbit by-products. Small Stock Mag. 35(7):26-27. July 1951. 48.8 P442
- 70957 ZIESKE, R. "25 Jahre DPZ"—von der pelztierwirtschaft. Deut. Pelztierzüchter 25:25-26,28-30,53-56,96-99,117-119. Feb.25-Mar.25, May 25-June 25, 1951. 412.628 D48
History and statistics.

Analysis and Composition

- 70958 BORASKY, R., and ROGERS, J. S. Effects of tannery processes on the electron microscopic appearance of bovine hide collagen fibrils. (Abs.) Leather Mfr. 62(7):54-55. July 1951. 303.8 L484
- 70959 CASSEL, J. M., MCKENNA, E. H., and GLIME, A. C. Studies on the polar amino content of collagen and related material. (Abs.) Leather Mfr. 62(7):56. July 1951. 303.8 L484
- 70960 COLEMAN, H. M. The mechanism of meat-pigment oxidation; the effect of solutes on the hemoglobin-oxygen equilibrium. Food Res. 16:222-229. Ref. May/June 1951. 389.8 F7322
- 70961 DOTY, D. M. Enzymes and their importance in the meat packing industry. Conf. Res. Proc. 2:70-80. 1950. 50.9 C762
- 70962 HALL, R. H. Variations with pH of the tensile properties of collagen fibres. Soc. Leather Trades' Chem. J. 35:195-210. Ref. June 1951. 303.9 So12
- 70963 HYNDS, C. E. Report on horse meat in ground meat. Assoc. Off. Agr. Chem. J. 34:355-357. May 15, 1951. 381 As7
- 70964 KANAGY, J. R., and others. Influence of splitting on the strength of chrome-tanned steer hides, No. 1. (Abs.) Leather Mfr. 62(7):56-57. July 1951. 303.8 L484
W. H. Leser, E. B. Randall, T. J. Carter, and C. W. Mann, joint authors.
- 70965 KELCH, F. Ein polyvalentes serum zur ausführung der probeagglutination bei der bakteriologischen fleischuntersuchung. Monatsh. f. Vetmed. 6:232-235. June 15, 1951. 41.8 M742
- 70966 LOLLAR, R. M. Sources of variance in retan leather analyses. (Abs.) Leather Mfr. 62(7):52. July 1951. 303.8 L484
- 70967 MEHURIN, R. M. Report on meat and meat products. Assoc. Off. Agr. Chem. J. 34:355. May 15, 1951. 381 As7
- 70968 NEUHAUS, H., and SZAKALL, A. Säuremantel oder pufferhülle der hautoberfläche. Fette u. Seifen 53:284-285. May 1951. 384 C422
- 70969 PACHECO, G., and SANTOS, M. D. On a chromogenous microorganism from pink discoloration of "xarque." (In Portuguese.) Rev. Mil. de Remonta e Vet. 10:75-78. Ref. July/Sept. 1950. 41.8 R3219
English summary.
Bacillus firmus.
- 70970 PORE, J. Analyse des huiles de pied de bœuf et de leurs substituts. B. de l'Assoc. Franç. des Chim. des Indus. du Cuir et Doc. Sci. et Tech. des Indus. du Cuir 13:97-103. May 1951. 303.8 B87
- 70971 RASCH, K. Über die verwendbarkeit des "kleinen VE-bestecks" nach Dr. Günther in der bakteriologischen fleischuntersuchung. Lebensmitteliararzt 1:177-180. Dec. 1950. 41.8 L49

70972 RODDY, W. T. The dry strength of collagen fiber bundle aggregates. (Abs.) *Leather Mfr.* 62(7):55-56. July 1951. 303.8 L484

70973 SCHÖNBERG, F. Zum wert der pH-messung im fleisch für die beurteilung der schlachttierte, insbesondere der not- und krankschlachtungen. *Lebensmittelhygiene* 2:42-45. Mar. 1951. 41.8 L49

70974 STEINKE, P. K. W., and FOSTER, E. M. Effect of sausage constituents on growth of *Clostridium botulinum* in liver sausage packaged in saran plastic casings. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:29. 1950. 448.39 S012A

70975 STEINKE, P. K. W., and FOSTER, E. M. Microbial changes in refrigerated liver sausage. *Food Res.* 16:245-251. May/June 1951. 389.8 F7322

Bacteria.

70976 SULZBACHER, W. L., and MCLEAN, R. A. The bacterial flora of fresh pork sausage. (Abs.) *Soc. Amer. Bact. Bact. Proc.* 50:29-30. 1950. 448.39 S012A

70977 ZAHN, H. Sammelreferat über histologie, feinstruktur, chemie und technologie der keratine. *Leder* 2:106-110. (Cont.) Ref. May 15, 1951. 303.8 L492

Consumption and Utilization

70978 AULT, W. C. Potential new uses for animal fats. *Conf. Res. Proc.* 3:87-91. 1951. 50.9 C762

70979 GROVES, D. E. Farm produced hormone relieves stomach ulcers. *Ohio Farmer* 207(9):16-17. May 5, 1951. 6 Oh3

Hormones produced from pregnant mares' urine.

70980 HADERT, H. Einsatz von wolffett in der fettverarbeitenden industrie. *Fette u. Seifen* 53:289-291. May 1951. 384 C422

70981 HALES, A. D. The consumer in the show ring. *Shorthorn News* 12:5-6. Apr. 1951. 43.8 Sh85

Beef preferences.

70982 KLEIN, D., and HIER, S. W. Pharmaceuticals from the meat packing industry. *Conf. Res. Proc.* 3:92-94. 1951. 50.9 C762

70983 LUNDBERG, W. O. Utilization of animal fats. *Conf. Res. Proc.* 2:112-122. 1950. 50.9 C762

70984 SWERN, D., AULT, W. C., and STIRTON, A. J. Animal fats and oils in industry. *U. S. D. A. Ybk.* 1950/51:538-543. 1 Ag84Y

Distribution, Marketing, and Transportation

70985 BREIMYER, H. F. The livestock situation and marketing outlook. Washington, U. S. Bur. Agr. Econ., 1951. 7 p. 1.941 A2B74

Talk before the West Virginia Livestock Marketing Association at Jackson's Mill, Apr. 17, 1951.

70986 ELAM, F. L. Coast needs, get lion's share of intermountain meat supply. *West. Livestock J.* 29(38):42-43, 65-67. June 15, 1951. 6 F2278

Livestock shipments to the Pacific Coast.

70987 ELAM, F. L. They roll on rubber. *West. Livestock J.* 29(38):35, 80. June 15, 1951. 6 F2278

Cattle transportation by truck.

70988 ELIJAH, H. D. Mechanizing your hogs; purebred swine raisers must have a sound, successful merchandising program for a successful enterprise. *Hog Breeder* 26(7):6, 51. July 1951. 46.8 H672

70989 FRENCH, H. W. State of cattle market: another confusing month. *Amer. Cattle. Prod.* 33(2):11-12, 26. July 1951. 49 P94

70990 GIGSTEAD, G. Midwest [Fur Producers] Association explains marketing program. *Black Fox Mag. & Mod. Mink Breeder* 35(2):10. June 1951. 410 B56

Mutation minks.

70991 GUNTER, W. A. Live mink appear on television show. *Black Fox Mag. & Mod. Mink Breeder* 35(2):11. June 1951. 410 B56

Also in *Amer. Fur Breeder* 24(7):13. July 1951. 410 Am33

70992 HELLBUSCH, C. E. You and your public relations. *Amer. Hereford J.* 42(5):112-114, 892. July 1, 1951. 43.8 Am32

70993 JUVENTUD RURALISTA DE TRES PUENTES. Graves problemas para comercializar ganados en el Norte. *Diario Rur.* 11(1060):6. June 2, 1951. 9.9 D54

70994 KRINGS, E. Umberechtigte und berechtigte beschwerden über die arbeit der fellverwertung. *Deut. Pelztierzüchter* 25:45-47. Mar. 25, 1951. 412.628 D48

70995 KULL, R. R. Cattlemen must tell their story to the public! Speakers tell of industry's failure in public relations, advise stockmen what to do about it. *Zebu J.* 2(9):16, 50-51. Feb. 1951. 43.8 Z12

70996 LOBAUGH, E. R. Explanation of orders.

Leather Mfr. 62(7):17-18. July 1951. 303.8 L484

Control of hides and skins and tanning materials.

70997 MCNEELY, J. G., BROTHERTON, C. B., and MCKENZIE, T. M. Livestock auctions in Texas. *Tex. Agr. Expt. Sta. B.* 732, 46 p. Mar. 1951. 100 T31S

70998 MAUQUOY, L. L'évolution du marché de la viande durant l'année 1950. *Rev. de l'Agr.* 4:688-710. June 1951. 13 R322

English summary.

Belgium.

70999 PICKARD, J. R. Let's stop bruise losses. *Natl. Live Stock Prod.* 29(10):6, 23. July/Aug. 1951. 280.38 N21

During livestock marketing.

71000 RANDELL, C. G. Producers use co-op outlets. *News Farmer Coop.* 18(3):11, 20. June 1951. 166.2 N47

Producers Livestock Cooperative Association, Columbus, Ohio.

71001 REINHARDT, P. You can't keep a good fur down. *Fur Trade J. Canada* 28(9):12, 30. May 1951. 410 F965

Silver fox publicity.

71002 SKAU, B. Flying calves—airfreight line carries California calves to Oklahoma in night flights. *West. Dairy J.* 7(8):21-22. June 1, 1951. 44.8 W524

71003 SMITH, A. E. So what the Hell. *Calif. Cattleman* 1951:12, 18-23. June 1951. 43.8 C12

Public relations in the livestock industry.

71004 THIS is Life; AMI [American Meat Institute] film traces history of meat from ranch to table. *Meat* 35:30-33. June 1951. 286.85 M464

71005 TILSON, C. V. Livestock should be cared for in transit to market. *Patron* 11(12):5. June 1951. 280.28 P27

71006 U. S. LIVESTOCK SANITARY ASSOCIATION. SPECIAL COMMITTEE ON COMMUNITY AUCTION SALES. Report. U. S. Livestock Sanit. Assoc. Proc. (1950)54:236-240. 1951. 49.9 Un3R

H. G. Geyer, chairman.

71007 WAITE, K. The real test; six good points to remember in marketing your Herefords. *Amer. Hereford J.* 42(5):533-534. July 1, 1951. 43.8 Am32

71008 WEXELS, W. A. The season 1950-51. (In Swedish.) *Våra Pälstdjur* 22:142-145. June 15, 1951. 410 V42

Fur marketing.

71009 WOODY, E. Educating America to eat more meat. *Meat Merchandising* 27(6):32-37, 72. June 1951. 286.85 M462

71010 WURM, R. What the ads do not tell you; dairy cattle advertising is usually "bait"; don't blame the seller; it's up to the buyer to demand the facts. *Hoard's Dairyman* 96:538, 547. July 10, 1951. 44.8 H65

Grading, Inspection, Standardization, and Quality

71011 AULT, W. C., RIEMENSCHNEIDER, R. W., and MORRIS, S. G. Meat fats of better quality. *U. S. D. A. Ybk.* 1950/51:671-676. 1 Ag84Y

71012 AYRES, J. C. Some bacteriological aspects of spoilage of self-service meats. *Conf. Res. Proc.* 3:39-53. Ref. 1951. 50.9 C762

71013 BISHOP, H. W. Meat inspection in Germany. *Roy. Army Vet. Corps. J.* 22:50-56. (To be cont.) June 1951. 41.8 G79

71014 CLARKE, I. D., and LOWE, C. D. Advice on hides and skins. *U. S. D. A. Ybk.* 1950/51:697-702. 1 Ag84Y

Quality and uses.

71015 GUTHRIE, M. R. Kentucky livestock sanitation laws. *Ky. Farmer* 87(6):8. June 1951. 6 F2237

71016 HENSCHKE, W. E., and MUIRHEAD, D. B. 1950 lamb carcass competition. *So. Austral. Dept. Agr. J.* 54:392-397. Mar. 1951. 23 So84

South Australian Lamb Carcass Competition.

71017 HOVE, K. R. Die behandlung trichinösen fleisches für unterrichtszwecke. *Lebensmittelhygiene* 2:40-42. Mar. 1951. 41.8 L49

71018 KNEEBONE, H., and others. Evaluation of the chiller beef carcass. *New Zeal. J. Sci. & Technol. A. Agr. Res. Sect.* 31(5):3-14. Ref. Feb. 1950. 514 N48A

T. Marks, C. P. McMeekan, and D. E. Walker, joint authors.

71019 MESSINA, A. The stamping of meats. (In Italian.) *Prog. Vet.* 6:338, 340-341. June 1951. 41.8 P942

71020 MUNDT, J. O., and KITCHEN, H. M. Taint in southern country-style hams. *Food Res.* 16:233-238. Ref. May/June 1951. 389.8 F7322

71021 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Stepping up bacon production. *XL Pointers to progress.* North. Ireland. Min. Agr. Mon. Rpt. 26:3-7. May 1951. 256.13 Ag82M

Quality and grading of swine.

71022 SENS. Bericht über die tierärztl. lebensmittelüberwachung in den Grossstädten Frankfurt/M. u. Wiesbaden nach kriegsende mit besond. berücksichtigung der zeit nach der währungsreform bis ende 1949. Lebensmittelärztl. 2:58-62. (To be cont.) Apr. 1951. 41.8 L49

71023 SIMONPIETRI, R. H. El ovino Karakul, clasificación de sus pieles por días de nacimiento y tipo. Chacra 21(247):56-57. June 1951. 9 C34

71024 STRONG, L. Developments in market hog grading. Duroc News 25(7):29,251-254. July 1951. 46.8 N212

71025 TASSI, L., and IGNESTI, E. Outbreaks of poisoning by staphylococcal enterotoxins due to the consumption of pork headcheese, and their prevention. (In Italian.) Zoonosis 6:143-148,150-153. Ref. Apr. 1951. 41.8 Z72

English summary.

71026 U. S. LIVESTOCK SANITARY ASSOCIATION. COMMITTEE ON MEAT AND MILK HYGIENE. Report. U. S. Livestock Sanit. Assoc. Proc. (1950)54:208-209. 1951. 49.9 Un3R

C. S. Bryan, chairman.

71027 U. S. PRODUCTION AND MARKETING ADMIN. Official United States standards for grades of vealers and slaughter calves. U. S. Prod. & Mktg. Admin. S.R.A.-P.M.A. 113, rev., 4 p. Mar. 1951. 1 M34S

Packing and Packaging

71028 AMERICAN MEAT INSTITUTE. More pork dollars thru improved packaging. Duroc News 25(7):270-273. July 1951. 46.8 N212

Prices, Price Control, and Rationing

71029 ANDRES, J. A. Price ceilings. Tanner 5(11):13. Apr. 1951. 303.8 T15

For hides.

71030 BELTRÁN, J. M. Las causas que motivan los altos precios de las carnes. Ganadería [Madrid] 9:116-118. Mar. 1951. 49 G15

71031 CONWAY, H. M. Live stock industry adjusting to OPS rollbacks. Natl. Live Stock Prod. 29(10):8,18. July/Aug. 1951. 280.38 N21

71032 DE LA RUE, I. Cattle price structure explained. Rhodesian Farmer 4(28):9. Apr. 4, 1951. 24 R347

71033 DICK, J. E. Livestock and meat controls—a comparison of World War II planning and today's OPS orders and regulations. Calif. Wool Grower 27(8):4. Feb. 20, 1951. 45.8 C12

71034 GYNN, G. Workers want more meat. Farmer & Stock-Breeder 65(3215):44. June 5, 1951. 10 F228

Meat ration for agricultural workers in Great Britain.

71035 JONAS, L. F. Better prices for pelts with eye appeal. Natl. Fur News 23(6):19,23,29. July 1951. 412.628 R59

Minks.

71036 KENNEDY, C. Cattlemen united on rollback fight want no compromise settlement with OPS. Aberdeen Angus J. 32(12):41,76,78-80. July 1951. 43.8 Ab3

71037 SCHENCK, H. E. Where do we go from here? Hoosier Farmer 36(7):6. July 1951. 280.82 H76

Beef prices.

71038 STAUFFER, D. OPS and hide regulations; the how and why of the pricing regulations affecting hides. Leather & Shoes 121(25):22,57. June 23, 1951. 303.8 H53

71039 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Beef ceiling price regulations. Hearings, 82d Cong., 1st sess., May 7, 16, 17, 18, 19, 23, 24, and 25, 1951. Washington, 1951. 495 p.

71040 U. S. PRODUCTION AND MARKETING ADMIN. Cured pork cuts and lard: weekly average wholesale price per 100 pounds, Chicago, 1950. Washington, 1951. 2 p. 1.9422 M8C92Chw

71041 U. S. PRODUCTION AND MARKETING ADMIN. Dressed meats—beef—weekly average wholesale price per 100 pounds, Chicago, 1950. Washington, 1951. 2 p. 1.9422 M8W52Bcw

71042 U. S. PRODUCTION AND MARKETING ADMIN. Western dressed fresh meats—beef—monthly average wholesale price per 100 pounds, New York, 1950. Washington, 1951. 2 p. 1.9422 M8W52Bn

71043 U. S. PRODUCTION AND MARKETING ADMIN. Western dressed fresh meats—pork cuts—monthly average wholesale price per 100 pounds, New York, 1950. Washington, 1951. 2 p. 1.9422 M8W52Pn

71044 WAL, Y. V. D. The new swine price. (In Dutch.) Landboude 5(23):2. June 9, 1951. 12 L234

Netherlands.

71045 WILSON, P. O. Live stock producers blast OPS erroneous information. Butchers' Advocate 130(3):8-10. July 18, 1951. 286.85 B97

Comments on the memorandum on the beef control program.

Processing and Storage

71046 BANERJEE, M. Dressing and dyeing fur skins. Tanner 5(11):22-23. (To be cont.) Apr. 1951. 303.8 T15

71047 BEEBE, C. W. Leather made to fit your needs. U. S. D. A. Ybk. 1950/51:703-708. 1 Ag84Y

71048 BENDENBAUGH, P. G., and RICHMOND, W. L. Test methods of curing and storing hams. Miss. Farm Res. [Miss. Sta.] 14(4):7. Apr. 1951. 100 M69Mi

71049 BURTON, D., HARRISON, J. M., and TURNER, T. Vegetable tanning. IV. Soc. Leather Trades' Chem. J. 35:170-179. May 1951. 303.9 So12

71050 CAUGHLEY, F. G. Care and preservation of farm skins. Massey Agr. Col. Sheepfarming Annu. 3:177-189. Nov. 1950. 45.9 M38S

Cal, cattle, and sheep.

71051 CAUSEY, K., and FENTON, F. Effect of reheating on palatability, nutritive value, and bacterial count of frozen cooked foods. II. Meat dishes. Amer. Dietet. Assoc. J. 27:491-495. June 1951. 389.8 Am34

71052 CHEN, P. S. Syntans and newer tanning methods. Leather Mfr. 62(7):28,30. (Cont.) July 1951. 303.8 L484

71053 CHOUDARY, K. S., and SELVARANGAN, R. South Indian tannage—use of myrobalan. J. Sci. & Indus. Res. 10B:99-100. Apr. 1951. 475 J82

71054 CRUESS, W. V., and WOHLGEMUTH, B. Preparing kippered meats for canning or freezing. Canner 112(26):11-12. June 30, 1951. 286.8 C16

71055 DAS, B. M., and SEN, S. N. Studies on pigeon dung as bate. I. Tanner 5(12):17-19. May 1951. 303.8 T15

71056 DESHPANDE, A. K. Skin wools in the fellmongeries. Indian Farming 11:292-294. July 1950. 22 In283

Processing sheep skins and factors effecting the quality of wool.

71057 FREBER, N. F. From cow hides to car seats. Pa. Farmer 145:3,27. July 14, 1951. 6 P383

71058 FRERE, J. Préservation du cuir contre l'attaque par les moisissures. Rev. des Prod. Chim. 54:104-105. May 31, 1951. 383 R327

71059 GATTI, G. An ancient industry; sheep-skin tanning at Solofra. (In Italian.) Laniera 65:259,261,263, 265. Apr. 1951. 45.8 B63

71060 GERNERT, G. Gewinnung von wollefett und dessen verwendung; aufarbeitung von waschlagen. Textil-Praxis 6:434-438. June 1951. 304.8 T3143

71061 GOETZ, A. W. Certain phases of beam house objectives and practices. Tanner 5(11):14-15. (Cont.) Apr. 1951. 303.8 T15

71062 HARDY, J. I. Durable, cheap furs from lamb-skins. U. S. D. A. Ybk. 1950/51:479-480. 1 Ag84Y

71063 HARNLY, J., and RODDEN, J. R. Some formate chemistry and its application to the pickling and tanning of chrome leather. (Abs.) Leather Mfr. 62(7):51-52. July 1951. 303.8 L484

71064 HINER, R. L. Some results of studies on freezing and freezer storage of meats. Conf. Res. Proc. 2:92-111. Ref. 1950. 50.9 C762

71065 HUMPHREYS, G. H. W. Unsulphited quebracho in the hot-pitting and drumming of sole leather and its effect on water resistance under static conditions. Soc. Leather Trades' Chem. J. 35:193-195. June 1951. 303.9 So12

71066 KLANFER, K., and ROQUETTE, B. Studies in two-bath chrome tanning. II. (Abs.) Leather Mfr. 62(7):40. July 1951. 303.8 L484

71067 OTTO, G. Advantages and disadvantages of masked chrome salts in the tanning of box and suede leather. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti. B. Uffic. 26:189-198. Ref. Dec. 1950. 303.8 It1

71068 PIERCE, E. A., DELONG, H. H., and DYNES, J. R. Freezing and storing meat for quality and economy. S. Dak. Agr. Expt. Sta. B. 408, 14 p. May 1951. 100 S82

71069 RIESS, C. Le tannage aux phosphates dans la fabrication du cuir de tannage vegetal. Rev. Tech. des Indus. du Cuir 43:26-27. Feb. 15, 1951. 303.8 C89

71070 SAINT-PRIEST, P. Interprétation des phénomènes physiques et chimiques se produisant au sein du collagène et provoquant le tannage lors de l'utilisation des méthylolures. Rev. Tech. des Indus. du Cuir 43:21-25. Feb. 15, 1951. 303.8 C89

71071 SATCHELL, F. E. High frequency dielectric processing of meat. *Conf. Res. Proc.* 3:95-98. 1951. 50.9 C762

71072 SCHNEIDER, W. Hautmilche. (Abs.) *Z. f. Lebensmtl.-Untersuch. u. -Forsch.* 92:275. Apr. 1951. 384 Z39

Fatty substances used in processing hides.

71073 SHANNON, W. J. Product control in the Oscar Mayer & Co. *Conf. Res. Proc.* 2:81-84. 1950. 50.9 C762

Meat processing.

71074 SLAWSON, H. H. How to avoid trouble with health inspectors. *Quick Frozen Foods* 13(12):124-125. July 1951. 389.8 Q4

Locker plants.

71075 SWARTZ, K. More, and better, canned meats. *Assoc. Food & Container Inst. Activ. Rpt. (n.s.)* 3:28-29. Apr. 1951. 389.9 As74A

71076 THAYER, F. D., JR., BIANCO, E. G., and WILCOXSON, F. The application of statistics in the tanning laboratory. 1. (Abs.) *Leather Mfr.* 62(7):40,51. July 1951. 303.8 L484

71077 THUAU, U. J. Les antiseptiques et les germicides dans l'industrie du cuir. *Rev. Tech. des Indus. du Cuir* 43:105-108. (Cont.) June 1951. 303.8 C89

71078 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Home canning of meat; reminders for success. U. S. D. A. Home & Gard. B. 6,15 p. Mar. 1951. 1 Ag84Hg

Revision of U. S. Dept. of Agriculture AWI-110.

71079 WELSHAUSEN, C. C. Is tanning a shrinking industry? *Leather & Shoes* 121(26):6,28-29. June 30, 1951. 303.8 H53

Statistics

71080 RAAB, J. Die Viehhaltung in den landwirtschaftlichen Kleinbetrieben. Bayern in Zahlen 5:229-231. May 1951. 265 B34

Statistics.

71081 ROGERS, K. A. Production of pigmeats; seasonal variations in Australia. *Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ.* 4:64-68. Apr. 1951. 281.9 Au73

Statistics.

71082 SAVILLE, R. J. Livestock changes on Mississippi farms during 1950. *Miss. Farm Res. [Miss. Sta.]* 14(4):2. Apr. 1951. 100 M69M1

71083 U. S. BUR. OF AGRICULTURAL ECONOMICS. June 1, 1951, pig survey. Lafayette, 1951. 2 p. 252.25 Ag8P

Indiana Agricultural Experiment Station cooperating.

71084 U. S. BUR. OF AGRICULTURAL ECONOMICS. Livestock slaughter, by States, 1950. Washington, 1951. 14 p. 1.941 S8L755

71085 U. S. BUR. OF AGRICULTURAL ECONOMICS. Livestock slaughter meat and lard production, 1949 and 1950. Washington, 1951. 2 p. 1.941 H8L7557

Statistical report. (2d ref.)

71086 U. S. BUR. OF AGRICULTURAL ECONOMICS. United States sheep and lamb on feed, January 1, 1951. Portland, Oreg., 1951. 2 p. 1.941 H8Sh3

71087 WIRTH, Die Entwicklung der Nutztierhaltung in Württemberg-Baden. *Statist. Monatsh. Württemberg-Baden* 5:56-59. Feb. 1951. 265 St24

Statistics.

OILS AND OILSEEDS

71088 ACHAYA, K. T., and SALETORRE, S. A. Evaluation of castor oil in [vegetable] oil mixtures. *J. Sci. & Indus. Res.* 10B:118-119. May 1951. 475 J82

71089 ALLEN, S. C., and DEEDS, F. The chronic toxicity of lauryl gallate. *Amer. Oil Chem. Soc. J.* 28:304-306. July 1951. 307.8 J82

Used in fats to retard rancidity.

71090 ANDRÉ, E., and CARBOUÈRES, M. Action de la chaleur sèche et de la chaleur humide sur le résidu de pression des graines de colza. *France. Inst. Nat. de la Rech. Agron. Ann. Sér. A: Ann. Agron.* 2:47-50. Jan./Feb. 1951. 14 F8499

71091 ARTHUR, J. C., JR., and KARON, M. L. Getting protein from cotton seeds. U. S. D. A. Ybk. 1950/51:619-620. 1 Ag84Y

71092 ARTHUR, J. C., JR. Peanut protein for industrial uses. U. S. D. A. Ybk. 1950/51:611-614. 1 Ag84Y

71093 BAILEY, A. E. Industrial oil and fat products. Ed. 2, completely rev. and augm. New York, Interscience, 1951. 967 p. (Fats and Oils; Ser. Monog. Chem. and Technol. Fats, Oils, and Related Substances) 307 B15

71094 BARKER, C., CRAWFORD, R. V., and HILDITCH, T. P. Some chemical changes associated with the thermal polymerisation of drying oils. *Oil & Colour Chem. Assoc. J.* 34:215-233. May 1951. 306.9 O15

Includes discussion.

71095 BASLAS, K. K., and DESHAPANDE, S. S. Essential oils from leaves, twigs and fruits of Aegle marmelos. *Indian Chem. Soc. J.* 28:19-22. Jan. 1951. 385 In27

71096 BISWAS, H. G. Investigations of the Indian lemon grass oil. (Abs.) *Indian Sci. Cong. Proc.* 36(3):84. 1949. 513 In22

71097 BLASER, B. Über eine zweckmässige Darstellung der Zusammensetzung von Fettsäuren. (Abs.) *Z. f. Lebensmtl.-Untersuch. u. -Forsch.* 92:269. Apr. 1951. 384 Z39

71098 BORBOLLA Y ALCALÁ, J. M. R. DE LA, CASTRO RAMOS, R. DE, and VÁZQUEZ LADRÓN, R. Estudio sobre tierras decolorantes españolas. I. Ion 11: 135-141. Ref. Mar. 1951. 385 Io6

For use in olive oil refining.

71099 CHAKRABARTY, M. M., and HILDITCH, T. P. The fatty acids and glycerides of an Indian sesame oil. *J. Sci. Food & Agr.* 2:255-259. June 1951. 382 So12

71100 CHÂTELAIN, F. Jasmin. *Perfumery & Essential Oil Rec.* 42:188-189. June 1951. 308.8 P41

The oil.

71101 CHERICI, E. Notes on sulphonated oils. (In Italian.) *Rass. Chim.* 3(2):27-30. Mar./Apr. 1951. 385 R18

71102 CHOPPIN DE JANVRY, J. La baisse n'est pas à craindre sur les oléagineux. *J. de la France Agr.* 7: 1509,1511. May 4/10, 1951. 14 J829

71103 CLAGETT, C. O., HOFFMAN, G. W., and SOLLIN, I. Oil and protein content of sunflower seed. *N. Dak. Agr. Expt. Sta. Bimon. B.* 13:173-177. Mar./Apr. 1951. 100 N813B

71104 COWAN, J. C. Polyamide resins from soybeans. U. S. D. A. Ybk. 1950/51:566-568. 1 Ag84Y

71105 CROSSLEY, A., and HILDITCH, T. P. The fatty acids and glycerides of okra seed oil. *J. Sci. Food & Agr.* 2:251-255. June 1951. 382 So12

71106 DANGOUMAU, A., DEBRUYNE, H., and CLUZAN, R. La teneur en pellicules du tourteau d'arachide. *Oléagineux* 6:402-408. July 1951. 77.8 OL2

71107 D'AQUIN, E. L., GASTROCK, E. A., and BREKKE, O. L. Recovering oil and meal [from oilseeds]. U. S. D. A. Ybk. 1950/51:504-512. 1 Ag84Y

71108 DEUEL, H. J., JR., and others. Toxicological studies on isopropyl and stearyl citrates. *Food Res.* 16: 258-280. Ref. May/June 1951. 389.8 F7322

S. M. Greenberg, C. E. Calbert, R. Baker, and H. R. Fisher, joint authors.

As additives for vegetable oils.

71109 DUTTON, H. J., and COWAN, J. C. The flavor problem of soybean oil. U. S. D. A. Ybk. 1950/51: 575-578. 1 Ag84Y

71110 EISDORFER, I., and MEHLENBACHER, V. C. A colorimetric method for determining small amounts of trichloroethylene in vegetable oils. *Amer. Oil Chem. Soc. J.* 28:307-310. Ref. July 1951. 307.8 J82

71111 FERRARI, P. V. Olive oil manufacture without presses. (In Italian.) *Terra e Sole* 1951:227-228,237. June 1951. 16 T273

71112 FETROW, W. W. Three tung oil co-ops help in emergency. *News Farmer Coop.* 18(3):7-8. June 1951. 166.2 N47

71113 FEUGE, R. O. Fractionating fats for new products. U. S. D. A. Ybk. 1950/51:513-519. 1 Ag84Y

71114 FEUGE, R. O. Tailor-made fats for industry. U. S. D. A. Ybk. 1950/51:529-537. 1 Ag84Y

71115 FEUGE, R. O. Vegetable oils and fats for edible use. U. S. D. A. Ybk. 1950/51:520-528. 1 Ag84Y

71116 FITELSON, J. Report on oils, fats, and waxes. *Assoc. Off. Agr. Chem. J.* 34:234. May 15, 1951. 381 As7

Analysis.

71117 FOLTZ, V. D., and LORD, T. H. Bacteriological studies on margarine. *Food Res.* 16:216-221. Ref. May/June 1951. 389.8 F7322

71118 FRAGA, J. C. La primera cooperativa olivícola del país. *Chacra* 21(247):46. June 1951. 9 C34

Argentina.

71119 FUGGER, J., and others. Analysis of fat acid oxidation products by countercurrent distribution methods. III. Methyl linolenate. *Amer. Oil Chem. Soc. J.* 28:285-289. Ref. July 1951. 307.8 J82

J. A. Cannon, K. T. Zilch, and H. J. Dutton, joint authors.

- 71120 GODBOLE, V. N., and BANERJEE, B. N. Rancidity of Mohua oil. (Abs.) Indian Sci. Cong. Proc. 36(3): 81-82. 1949. 513 In22
- 71121 GORBACH, G. Die mikrochemie auf dem fettgebiet. (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:268. Apr.1951. 384 Z39
- 71122 GRZYBOWSKI, H. Stand der westdeutschen fettversorgung und vorschläge für deren künftige gestaltung. Fette u. Seifen 53:307-310. May 1951. 384 C422
- 71123 GUPTA, A. C. Refining of nageshwar [Mesua ferrea] oil. J. Sci. & Indus. Res. 10B:24-25. Jan.1951. 475 J82
- 71124 GUPTA, S. S., HILDITCH, T. P., and RILEY, J. P. The fatty acids and glycerides of castor oil. J. Sci. Food & Agr. 2:245-251. June 1951. 382 So12
- 71125 HANKS, D. P., and POTTS, W. M. An investigation of the oil from the seed of Sebastiana lingustrina. Amer. Oil Chem. Soc. J. 28:292-294. July 1951. 307.8 J82
- 71126 HAWORTH, R. D., MACGILLIVRAY, R., and PEACOCK, D. H. Isolation of sarcosine from an acid hydrolysate of groundnut protein. Nature [London] 167: 1068. June 30,1951. 472 N21
- 71127 HOEJENBOS, L., and COPPENS, A. A study of hyacinth absolute. I. Amer. Perfumer & Essential Oil Rev. 57:365-367. May 1951. 308.8 Am3
- 71128 HORN, L. J. Applied science energizing the cottonseed processing industry. Oil Mill Gaz. 55(12):13, 15,17. June 1951. 307.8 O153
- 71129 HUGEL, E. Entwicklung der tranpolymerisation. Fette u. Seifen 53:264-266. May 1951. 384 C422
- 71130 KATZ, A., and SELDNER, A. California essential oil development. Amer. Perfumer & Essential Oil Rev. 57:357-360. May 1951. 308.8 Am3
- 71131 KAUFMANN, H. P. Neue wege der fettanalyse (papier-chromatographie und radiometrie auf dem fettgebiet). (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:267-268. Apr.1951. 384 Z39
- 71132 KAUFMANN, H. P., BUDWIG, J., and DUDDEK, E. Die papier-chromatographie auf dem fettgebiet. V-VI. Fette u. Seifen 53:253-259,285-288. May 1951. 384 C422
- 71133 KELLER, J. C. Current CCC purchases of peanuts in support market heavier than year ago. Peanut J. & Nut World 30(9):25,31. July 1951. 77.8 P313
- 71134 KESTER, E. B. Some of the minor oil crops. U. S. D. A. Ybk. 1950/51:592-598. 1 Ag84Y
- Vegetable oils.
- 71135 KEUNE, O. Die fettmärkte der welt im lichte der statistik. Unentbehrliche Margarine-Industrie, p.6-8. In Milch-Fettwaren-Eierhandel 3(36). May 11,1951. 286.85 M59
- 71136 LAMBOU, M. G., CONDON, M. Z., and ALT-SCHUL, A. M. New ideas on problems of storage. U. S. D. A. Ybk. 1950/51:551-557. 1 Ag84Y
- Chemical treatment of the seed and storage of oilseeds.
- 71137 LEWIS, A. J. Varnishes and paints from soybeans. U. S. D. A. Ybk. 1950/51:569-574. 1 Ag84Y
- 71138 LOCKWOOD, L. B., and SMITH, A. K. Fermented soy foods and sauce. U. S. D. A. Ybk. 1950/51: 357-361. 1 Ag84Y
- 71139 LOMBARD, R. L'insaponifiable des corps gras. III. Oléagineux 6:395-401. July 1951. 77.8 OL2
- 71140 MCCUBBIN, K. Solvent extraction for the oil mill superintendent. Amer. Oil Chem. Soc. J. 28:310-313. July 1951. 307.8 J82
- 71141 MCDANIEL, J. A., and STANLEY, F. E. An economic analysis of the tung industry in Louisiana. La. Agr. Expt. Sta. Mimeog. C. 119,39 p. Dec.1950. 100 L935
- 71142 MCKINNEY, R. S., and HOLMES, R. L. The domestic tung-oil industry. U. S. D. A. Ybk. 1950/51: 584-591. 1 Ag84Y
- 71143 MAJORELLE, A. Les matériels modernes d'oléfaction et l'équipement des nouvelles huileries coopératives. B. Econ. et Social de la Tunisie 51:41-50. (Cont.) Apr.1951. 280.8 B874
- 71144 MARTÍNEZ-MORENO, J. Fettforschung in Spanien. (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:267. Apr.1951. 384 Z39
- 71145 MAZZEI, A. Table olives. (In Italian.) Lotte Contadine 1(11/12):9. Dec.5/20,1950. 16 L91
- Processing.
- 71146 MENSIER, P. H. L'évolution du marché des corps gras concrets. Oléagineux 6:340-344. June 1951. 77.8 OL2
- 71147 MENSIER, P. H. La production mondiale des corps gras en 1950. Oléagineux 6:413-415. July 1951. 77.8 OL2
- English summary p. 433.
- 71148 MISHRA, D. On dalda vanaspati. (Abs.) Indian Sci. Cong. Proc. 36(3):91. 1949. 513 In22
- Regulations for this food product.
- 71149 MISRA, A. L., and TIWARI, R. D. A note on changes brought about in oils on keeping. (Abs.) Indian Sci. Cong. Proc. 36(3):95. 1949. 513 In22
- 71150 MOORJANI, M. N., and SUBRAHMANYAN, V. Effect of steaming on the vitamin B-complex of groundnut milk. (Abs.) Indian Sci. Cong. Proc. 36(3):212-213. 1949. 513 In22
- 71151 MURTI, K. R., and BANERJEE, B. N. Studies on Indian edible oils—sesame oil. (Abs.) Indian Sci. Cong. Proc. 36(3):210. 1949. 513 In22
- 71152 NAIR, K. N. G., VARIER, N. S., and NAIR, P. V. Essential oils of Travancore. II-III. (Abs.) Indian Sci. Cong. Proc. 36(3):102. 1949. 513 In22
- II, Oil from cloves grown in South Travancore; III, Oil from Travancore nutmegs.
- 71153 NAIR, P. V., PHILIP, C. J., and RAMAKRISHNAN, T. A. Stability of vegetable oils. I. Coconut oil. (Abs.) Indian Sci. Cong. Proc. 36(3):101. 1949. 513 In22
- 71154 NATIONAL COTTONSEED PRODUCTS ASSOCIATION. Rules governing transactions between members, adopted at the fifty-fifth annual session of the Association, held at Palm Beach, Florida, May 14 to 16, 1951. n.p.,1951. 206 p. 72.9 N213
- 71155 NAUDET, M., and DESNUELLE, P. Influence exercée par l'interestérification sur le pouvoir moussant des mélanges coprah (ou palmiste)-arachide. Oléagineux 6:338-339. June 1951. 77.8 OL2
- 71156 NAVES, Y. R. The composition of essential oils. Perfumery & Essential Oil Rec. 42:190-191. June 1951. 308.8 P41
- 71157 NAVES, Y. R. Production of essential oils by distillation. Mfg. Chem. 22:219-221. June 1951. 396.8 M31
- 71158 NIGERIA. WESTERN REGIONAL PRODUCTION DEVELOPMENT BOARD. Annual report and accounts, 1949/50. Lagos,1950. 14 p. 77.9 N563
- For production of palm oil.
- 71159 NIJKAMP, H. J. On the chromatographic determination of the volatile fatty acids C4 to C10. Analyst. Chlm. Acta 5:325-331. June 1951. 381 An1
- 71160 OFFUTT, M. L. Coal-tar colors in oil. Assoc. Off. Agr. Chem. J. 34:235. May 15,1951. 381 As7
- 71161 PALENI, A. a) Neue italienische verfahren der ölstaaten-extraktion (film-vortrag)—b) Über extraktionsöle aus oliven-pressrückständen. (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:268. Apr.1951. 384 Z39
- 71162 POMINSKI, C. H., CASTILLON, L. E., and DECHARY, J. M. Removing the glands from cottonseed. U. S. D. A. Ybk. 1950/51:558-560. 1 Ag84Y
- Pigment glands.
- 71163 PRICHARD, G. L. The castor bean program. Mktg. Activ. 14(3/4):19-22. Mar./Apr.1951. 1.942 A8M34
- 71164 PRIVETT, O. S., and LUNDBERG, W. O. Studies of the spectral characteristics of alkali-isomerized autoxidized fatty acids. Amer. Oil Chem. Soc. J. 28: 313-317. July 1951. 307.8 J82
- 71165 RAMAMURTI, K., and BANERJEE, B. N. Studies on Indian edible oils; unsaponifiable matter. Indian J. Med. Res. 38:377-383. Oct.1950. 448.8 In22
- 71166 RAO, M. N., and SUBBIAH, R. Oil from the seeds of Sesbania grandifolia. (Abs.) Indian Sci. Cong. Proc. 36(3):103. 1949. 513 In22
- 71167 ROTHE, H. Die citronensäure in ihrer auswirkung auf die fette. (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:269. Apr.1951. 384 Z39
- 71168 SAPPOK, H. Zucht und verzierung von ölkürbis. (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92: 271. Apr.1951. 384 Z39
- 71169 SCHEIBER, J. Zur frage der leinöltrocknung. (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:272. Apr.1951. 384 Z39
- 71170 SCHULTE, K. E., and KIRSCHNER, J. Reaktionskinetische untersuchungen an verzweigten fettsäuren. I. Fette u. Seifen 53:267-273. May 1951. 384 C422
- 71171 SEALS, W. F. Always a bigger (if not better) plan. Peanut J. & Nut World 30(9):19-20. July 1951. 77.8 P313
- Peanut program.
- 71172 SELLERS, K. The olive and its oil; to many Italian farmers, both mean cash in hand. Ill. Agr. Assoc. Rec. 29(7):11-13. July 1951. 6 IL62
- 71173 SHARMA, P. G., BUDHRAJA, N. C., and AGGARWAL, J. S. Utilization of tobacco seed & safflower seed oils in varnishes & paints. I. J. Sci. & Indus. Res. 10B:33-36. Ref. Feb.1951. 475 J82

- 71174 SMALLEY FOUNDATION COMMITTEE. Report, 1950-1951. Amer. Oil Chem. Soc. J. 28:290-291. July 1951. 307.8 J82
Oils and oilseeds grading.
- 71175 SMITH, A. K. Uses of soybean protein in industry. U. S. D. A. Ybk. 1950/51:615-618. 1 Ag84Y
- 71176 STANDARD & POOR. Soaps and vegetable oils, basic analysis. Standard & Poor's Corp. Indus. Surveys 119(6,sect.3),12 p. Feb.8,1951. 284.9 St22T
- 71177 STORM, E. Die ernährungs- und volkswirtschaftliche bedeutung der margarine-industrie. Unentbehrliche Margarine-Industrie, p.1. In Milch-Fettwaren-Eierhandel 3(36). May 11,1951. 286.85 M59
Germany.
- 71178 STOWELL, J. W. Soybean to salad oil. Archer 4(2):9-11. Feb.1951. 309.8 Ad6
Soybean oil extraction.
- 71179 SUBRAMANIAN, E. S., and RAMAKRISHNAN, M. S. Mineral oils in South Indian tanning. Tanner 5(12):12-13. May 1951. 303.8 T15
- 71180 SWIFT, C. E., and DOLLEAR, F. G. Autoxidation of fats and oils. U. S. D. A. Ybk. 1950/51:544-550. 1 Ag84Y
- 71181 TEETER, H. M., BELL, E. W., and COWAN, J. C. Drying oils from xylitol. Amer. Oil Chem. Soc. J. 28:299-300. July 1951. 307.8 J82
- 71182 TEETER, H. M. Some industrial outlets for seed flax. U. S. D. A. Ybk. 1950/51:579-583. 1 Ag84Y
- 71183 TILLMANN, F. Probleme der fettversorgung auf dem ernährungssektor. (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:267. Apr.1951. 384 Z39
International conditions.
- 71184 U. S. BUR. OF AGRICULTURAL ECONOMICS. List, peanut shellers and crushers operating,1949-50 season. Washington,1950. 5 p. 1.941 A2L683
- 71185 U. S. BUR. OF AGRICULTURAL ECONOMICS. Mint for oil-1951 acreage for harvest. Portland,Oreg., 1951. 1 p. 1.941 H8M66
Peppermint and spearmint acreage, yield, and production.
- 71186 VINCENT, G. L'évolution de la consommation de graisses alimentaires en 1950. Rev. de l'Agr. 4:675-681. June 1951. 13 R322
English summary.
Belgium.
- 71187 VIZERN, and GUILLOT. Contribution au dosage des acides volatils solubles et insolubles dans les matieres grasses. Oléagineux 6:409-412. July 1951. 77.8 OL2
English summary, p. 433.
- 71188 VOGT, C. The modern approach to soybean processing; Glidden Company utilizes automatic control of solvent extraction process. Instrumentation 5(3):7-10. Second Q.1951. 297.8 In73
- 71189 VOORST, F. T. VAN. A relation between the iodine number and the aniline point of fats and its use in fat analysis. (In Dutch.) Chem. Weekbl. 47:333-335. June 2,1951. 385 C42
- 71190 WARD, A. L. Report on NCPA's [National Cottonseed Products Association] sesame research. Cotton Gin & Oil Mill Press 52(13):13. June 23,1951. 304.8 C822
- 71191 WERNER, H. Über die verwendung polymerisierter öle als speiseöle. (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:270. Apr.1951. 384 Z39
- 71192 WILDES, C. M. Census bureau urges prompt and accurate reporting of statistics of tung industry. Amer. Tung News 1951:3. July 1951. 307.8 Am33
For oils and fats survey.
- 71193 WITTKA, F. Zur handelsmässigen klassifizierung der sulfurole. Fette u. Seifen 53:312-313. May 1951. 384 C422
- 71194 YAZICIOGLU, T. Türkische pflanzenöle. (Abs.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:269. Apr. 1951. 384 Z39
- 71195 ZELLER. Enseignements d'une mission aux États-Unis: l'olivier en Californie. Colon Franç. de Tunisie (ser.7)44(2192):3. (Cont.) Apr.7,1951. 24 C712
- 71198 BOUTHILET, R. J. Chicken flavor: the source of the meat flavor component. Food Res. 16:201-204. May/June 1951. 389.8 F7322
- 71199 BOYCE, E. B. Report on free ammonia in eggs. Assoc. Off. Agr. Chem. J. 34:346-347. May 15, 1951. 381 As7
- 71200 BRANDLY, P. J. Efficient poultry inspection service. Vet. Med. 46:315-317,326. Aug.1951. 41.8 M69
- 71201 BRENANS, P. The poultry industry in Morocco. World's Poultry Sci. J. 7:91-100. Apr./June 1951. 47.8 W89
- 71202 BROWN, T. T. Preparing poultry for the freezer. Farmers Fed. News 31(10):6,10. June 1951. 280.28 F225
- 71203 BUCK, J. T. Too many eggs-yet not enough. Va. Agr. Col. Ext. Va. Farm Econ. 127:1-4. May 1951. 275.29 V813
Seasonal production and its effect on marketing.
- 71204 CALIFORNIA. CROP AND LIVESTOCK REPORTING SERV. California annual poultry-hatchery report. (Excerpts.) Nulaid News 29(3):18-19. July/Aug. 1951. 47.8 N917
- 71205 DALRYMPLE, A. J. Egg shortage looms for B.C. this summer. Farm & Ranch Rev. 47(3):16-17. Mar. 1951. 7 F223
- 71206 DOSSIN, C. O. Wanted: better eggs! East. Feed Merchant 2(7):23-25. July 1951. 389.78 Ea7
- 71207 DYER, W. K. Growers and hatcherymen urged to "get along." Minn. Gobblers 6(2):7-8. July 1951. 47.38 M66
- 71208 FEVOLD, H. L. Egg proteins. In Anson, M. L., Edsall, J. T., and Bailey, K., eds. Advances in protein chemistry, v. 6, p.187-252. Ref. New York, Acad. Press, 1951. 386. An8
- 71209 GANNON, A. Broiler census results; big increase. Dixie. Farm & Ranch-South. Agr. Upper So. Ed. 1(7):31,33. July 1951. 6 T31
- 71210 GARLICH, O. Statistik der hühnerhaltung. Deut. Wirtgeflügelzucht. 3:304-306. Mar.31,1951. 47.8 D483
- 71211 GILLESPIE, J. M., SCOTT, W. J., and VICKERY, J. R. Studies in the preservation of shell eggs. III. The storage of machine-washed eggs. Austral. J. Appl. Sci. 1:313-329. Sept.1950. 475 Au74
- 71212 GILSTRAP, F. Please send the field man. San Joaquin Val. Poultryman 22(1):12-13,21. June 1951. 47.8 Sa53
Work of the San Joaquin Valley Poultry Producers Association.
- 71213 GORDEUK, A. C-O-T [Chicken-of-Tomorrow] finals give broiler industry national publicity. Broiler Growing 2(7):12-13,22,24,26. July 1951. 47.8 B782
- 71214 HARTSELL, S. E. Growth characteristics of Salmonella in defrosted whole eggs. (Abs.) Soc. Amer. Bact. Bact. Proc. 50:14. 1950. 448.39 So12A
- 71215 HEITZ, T. W. Marketing Beltsville White broilers. Soeast. Poultryman 4(6):8,21-23. June 1951. 47.8 So872
Also in Va. Poultryman 5(6):8,21-23. June 1951. 47.8 V812
- 71216 HENRY, W. F. The economics of quality production programs for eggs. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:48-50. 252.004 N443M
- 71217 HERL, O. E. Eggs in the fight against disease. U. S. D. A. Ybk. 1950/51:753-758. 1 Ag84Y
Used for culturing and propagating many viruses, some rickettsiae, and a few bacteria.
- 71218 HOSE, A. H. Watch details if you go in for specialty sales. U. S. Egg & Poultry Mag. 57(7):15-16,25. July 1951. 286.85 Eg3
Turkeys.
- 71219 HOWSER, R. E. Egg processing is a science. Bakers' Helper 96(1200):59-62. July 21,1951. 389.8 B17
- 71220 HUBBARD, L. S. The poultry industry faces the future. Poultry Comment 8(3):1-2,4. May 1951. 47.8 D92
- 71221 JOHNSTONE, W. F., and BIRTH, A. K. The price of eggs. Pa. State Col. Agr. Ext. C. 376,10 p. Mar.1951. 275.29 P38C
- 71222 KARPOFF, E. Broiler trends. Hatchery & Feed 25(7):20,93-94. July 1951. 47.8 H28
- 71223 KLOSE, A. A., HANSON, H. L., and MCNALLY, E. H. Quality in processed poultry. U. S. D. A. Ybk. 1950/51:633-641. 1 Ag84Y
- 71224 LASATER, H. L. Broiler marketing. Okla. Agr. Col. Ext. C. 554,11 p. 1951? 275.29 Ok41C
- 71225 LINEWEAVER, H., and FENNEY, R. E. Improving frozen and dried egg. U. S. D. A. Ybk. 1950/51: 642-647. 1 Ag84Y

POULTRY AND POULTRY PRODUCTS

- 71196 ALEXANDER, L. M., and others. Turkey temperature as the end point in roasting. Poultry Sci. 30: 520-524. Ref. July 1951. 47.8 Am33P
G. E. Schopmeyer, J. C. Lamb, and S. J. Marsden, joint authors.
- 71197 AUSTIN, S. L. 'Future' is traded today on commodity exchanges. Poultry Supply Dealer 28(7):18-21. July 1951. 47.8 B11
Includes markets for poultry and eggs.

- 71226 LOWENSTEIN, F. A study of commercial and U.S.D.A. poultry grades in relation to market acceptance. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951: 35-41. 252.004 N443M
- 71227 LUNDGREN, H. P., LINEWEAVER, H., and MCNALLY, E. H. Utilization of poultry wastes. U. S. D. A. Ybk. 1950/51:869-876. 1 Ag84Y
- 71228 MCNALL, F. J. Report on eggs and egg products. Assoc. Off. Agr. Chem. J. 34:345-346. May 15, 1951. 381 As7
- 71229 MCNALLY, E. H. Uses of frozen and dried egg. U. S. D. A. Ybk. 1950/51:648-649. 1 Ag84Y
- 71230 MARGOLF, P. H. Frequent gathering keeps eggs clean. Sci. Farmer [Pa. Sta.] 1951:10. Mar. 1951. 100 P381
- 71231 MARTIN, W. W. Turkey-steak factory. West. Farm Life 53(13):6,9. July 1, 1951. 6 R153
- 71232 MORIARTY, M. J. Marketing policy. N. Z. Poultry World 14:73-76. Apr. 1951. 47.8 N11
New Zealand eggs.
- 71233 MOUNTNEY, G. J., PARSELL, E. D., and HALPIN, R. B. The market quality of Texas turkeys, 1950. Tex. Agr. Expt. Sta. Prog. Rpt. 1376, 3 p. May 30, 1951. 100 T31P
- 71234 NATIONAL FARMERS' UNION. The new egg prices. Poultry Indus. [Milford] 16:191. Apr. 19, 1951. 47.8 P8644
- 71235 PACIFIC COOPERATIVE POULTRY PRODUCERS. Annual meeting report, feed operations, by W. A. Berge. Eggsaminer 28(6):12,27-29. June 1951. 286.85 Eg32
- 71236 PACIFIC COOPERATIVE POULTRY PRODUCERS. Annual report of A. C. Berntzen, secretary-treasurer. Eggsaminer 28(6):6,19. June 1951. 286.85 Eg32
- 71237 PACIFIC COOPERATIVE POULTRY PRODUCERS. President's report to members at thirty-first annual meeting. Eggsaminer 28(6):2,31. June 1951. 286.85 Eg32
- 71238 PACIFIC COOPERATIVE POULTRY PRODUCERS. Report on farm supplies to members at annual meeting, by V. G. Cowen. Eggsaminer 28(6):14-15,26. June 1951. 286.85 Eg32
- 71239 PACIFIC COOPERATIVE POULTRY PRODUCERS. A review of 1950 operations, by H. R. Rohe. Eggsaminer 28(6):4-5,24-25. June 1951. 286.85 Eg32
- 71240 PERCIVAL, G. M. United Kingdom egg supplies; effect of seasonal variation in production. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 4:73-76. Apr. 1951. 281.9 Au73
Statistics.
- 71241 PHILIP, B., LAGERMALM, G., and GRALEN, N. Electron microscopy of the surface structure of feather. Blochim. et Biophys. Acta 6(4):497-507. Ref. Mar. 1951. 381 B522
- 71242 PIERCE, H. C. Meat-type chickens open new markets. Broiler Growing 2(7):16-17,48-49. July 1951. 47.8 B782
- 71243 PINO, J. A. Many factors involved in successful egg washing. Poultry Supply Dealer 28(7):22-23. July 1951. 47.8 B11
- 71244 RAUSTADT, R. O. Egg institutes click in Minnesota. Ext. Serv. Rev. 22:76,85. May 1951. 1 Ex892Ex
Quality and marketing.
- 71245 SALA DE CASTELLARNAU, I. Anomalias en los huevos de las gallináceas. Valencia Avíc. 8:32-33. Mar. 1951. 47.8 V23
- 71246 SAN DIEGO COOPERATIVE POULTRY ASSOCIATION. Reports to 35th annual meeting, June 7, 1951. San Diego Poultry J. 27(550):4-8,10,12,16. June 1951. 47.8 Sa52
- 71247 SAUTER, E. A., and others. Methods for measuring yolk index. Poultry Sci. 30:629-630. July 1951. 47.8 Am33P
W. J. Stadelman, V. Harns, and B. A. McLaren, joint authors.
- 71248 SAVAGE, W. E. Agricultural economic research in poultry and eggs. Maine Poultry Impr. Assoc. [Ybk.] 1951:35,37,39,42. 47.9 M282
- 71249 SCHAEFER, F. H., JR. Big changing trends affect breeder-hatchery business. Hatchery & Feed 25(7):41-47. July 1951. 47.8 H28
- 71250 SHULTIS, A., and NEWLON, W. E. The turkey business in California. Calif. Agr. Col. Ext. C. 170, 12 p. Apr. 1951. 275.29 C12C
- 71251 SOLOWEY, M., and WATSON, A. J. The presence of enterococci in spray-dried whole egg powder. Food Res. 16:187-191. May/June 1951. 389.8 F7322
- 71252 SOLOWEY, M. The problem of bacteria in eggs. U. S. D. A. Ybk. 1950/51:650-652. 1 Ag84Y
- 71253 SULLIVAN, L. Minnesota leads in turkey broiler-fryer production. Minn. Gobblers 5(12):9-10. May 1951. 47.38 M66
- 71254 SUSSMAN, O. Objections of public health authorities with respect to the relaxing of the federal poultry grading and inspection regulations. U. S. Live-stock Sanit. Assoc. Proc. (1950)54:197-203. 1951. 49.9 Un3R
- 71255 TABOR, J. A. B. Marketing turkeys. Poultry Field 4(1):22-23. May 24, 1951. 47.8 P8655
- 71256 TAYLOR, F. R. A regional research program in poultry marketing for the mobilization period. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:17-21. 252.004 N443M
Discussion by J. W. Bowring, p. 24-25.
- 71257 TERMOHLEN, W. D. The poultry grading and inspection program of the United States Department of Agriculture. U. S. Livestock Sanit. Assoc. Proc. (1950) 54:188-196. 1951. 49.9 Un3R
- 71258 U. S. BUR. OF AGRICULTURAL ECONOMICS. California annual poultry-hatchery report; summary for 1950. Sacramento, 1951. 14 p. 1.941 H8P862
California Department of Agriculture, Bureau of Agricultural Statistics cooperating.
Statistics pertaining to poultry and eggs.
- 71259 U. S. BUR. OF ANIMAL INDUSTRY. Poultry specialty clubs and national associations. U. S. Bur. Anim. Indus. A. H. D. 18, rev., 3 p. May 1951. 1.9 An52Ah
- 71260 WALTER, G. Natürliche schwankungen des phosphorsäuregehaltes von eigeib. Z. f. Lebensmitl.-Untersuch. u. -Forsch. 92:313-322. May 1951. 384 Z39
- 71261 WILHELM, L. A. A message to Midwest breeder-hatcherymen: it's time to wake up! Hatchery & Feed 25(7):84-87. July 1951. 47.8 H28

RUBBER AND RUBBER SUBSTITUTES

- 71262 BIE, G. J. VAN DER. Copper compounds in latex and in rubber. I. The quantitative determination of minute amounts of copper. Rubber Age 69:309-315. Ref. June 1951. 305.8 R82
- 71263 BLOW, C. M., and NEWTON, R. G. Rubber test methods. Inst. Rubber Indus. Trans. 27:166-174. June 1951. 305.9 In7
- 71264 BORN, S. Der höhepunkt überschritten? Die auswirkung des wirtschaftsaufschwunges auf die kautschuk-industrie. Kautschuk u. Gummi 4:114-117. Apr. 1951. 305.8 K162
- 71265 COCKBAIN, E. G. Stability of latex as influenced by adsorbed materials. Rubber India 3(2):15-16. Feb. 1951. 305.8 R829
- 71266 COTTON, F. H., and LEE, K. O. Effect of storage of milled rubber on its molecular weight. India-Rubber J. 120:919-920. June 9, 1951. 305.8 In21
- 71267 COTTON, F. H., and LEE, K. O. Production of softened rubber direct from latex. India-Rubber J. 120:953-954. June 16, 1951. 305.8 In21
- 71268 DEY, H. L. Inquiry into the raw rubber prices and the protection to the raw rubber industry. Rubber India 3(2):19-22. Feb. 1951. 305.8 R829
- 71269 FRITZ, H. A. Der kautschuk-tal; kautschuk-versorgung erfordert ausrichtung der produktion auf wirtschaftswichtigen bedarf. Kautschuk u. Gummi 4:111-113. Apr. 1951. 305.8 K162
- 71270 GENIN, G. Caoutchoucs naturels et artificiels, leur concurrence actuelle. Nature [Paris] 3191:86-91. Mar. 1951. 473 N21
- 71271 HAAN-HOMANS, L. N. S. DE, and GILS, G. E. VAN. The complex system of fresh Hevea latex. Arch. v. de Rubbercult. 27:229-242. Ref. Dec. 1950. 78.8 Ar2
- 71272 KOOLHAAS, D. R., BIE, G. J. VAN DER, and ESSEN, W. J. VAN. On the modification of natural rubber in latex with ethylenic derivatives. Arch. v. de Rubbercult. 27:197-228. Ref. Dec. 1950. 78.8 Ar2
- 71273 LUTTROPP, H. Das verhalten von weichgummi aus verschiedenen kautschuksorten in der kälte. Kautschuk u. Gummi 4:165-169. Ref. May 1951. 305.8 K162
- 71274 MATHES, R. A., and STEWART, F. D. Vulcanization accelerators. Indus. & Engin. Chem. 43:1569-1571. July 1951. 381 J825
- 71275 PICKLES, S. S. The chemical constitution of the rubber molecule. Inst. Rubber Indus. Trans. 27:148-165. Ref. June 1951. 305.9 In7
- 71276 PIKE, M., and WATSON, W. F. Breakdown of rubber during mastication. India-Rubber J. 120(26):11. June 30, 1951. 305.8 In21

- 71277 ROSSEM, A. VAN. Natural rubber, its properties as a raw material for the manufacturing industry. *Planter* 27:170-180. Apr.1951. 78.8 P69
- 71278 RUINEN, J., and HAAN-HOMANS, L. N. S. DE. Investigations concerning the origin of the lutoids of the latex of *Hevea brasiliensis*. *Arch. v. de Rubbercult.* 27: 243-253. Dec.1950. 78.8 Ar2
- 71279 RUINEN, J. Microscopy of the lutoids in *Hevea* latex. *Arch. v. de Rubbercult.* 27:255-265. Dec.1950. 78.8 Ar2
- 71280 SCHLITT, W. Die entwicklung der elektro-vulkanisation an hand der patentliteratur. *Kautschuk u. Gummi* 4:169-172. May 1951. 305.8 K162

SEEDS

- 71281 BEARD, D. F., and MARSHALL, W. Seed certification. *West. Feed & Seed* 6(6):25. June 1951. 389.78 W52
- 71282 BERGER, J. E. Some sure-fire methods for merchandising quality seeds. *Grain & Feed Rev.* 40(11): 16,56-57. July 1951. 280.28 C78
- 71283 BIGOURDAN, R. Politique de la S.T.O.N.I.C. à l'égard de la production des semences en Tunisie. *Colon Franç. de Tunisie* (ser.7)44(2200):1,3. June 2,1951. 24.C712
- 71284 CARPIO B., R. DEL. El más grande semillero oficializado. *Mensajero Agr.* 53/54:13-14. 1950. 9.8 M52
- Peruvian cotton.
- 71285 DODD, L. Ultra-modern plant speeds Kern County industry. *Calif. Farmer, South. Ed.* 194:574-575. June 16,1951. 6 C126A
- Certified alfalfa seed growing in California.
- 71286 EGGBRECHT, H. Hülsefrüchte handverlesen Saatgut-Wirt. 3:35-36. (Concl.) Feb.1951. 61.8 Sa1
- 71287 KENTUCKY. AGRICULTURAL EXPERIMENT STATION. ENTOMOLOGY DEPT. Seed inspection in Kentucky, 1950-51. *Ky. Agr. Expt. Sta. Regulat. B.* 90, 76 p. May 1951. 100 K41
- Kentucky Agricultural Experiment Station, Botany Department cooperating.
- 71288 KERR, W. E. Drawing samples of seed for testing. *Rhodesia Agr. J.* 48:5-6. Jan./Feb.1951. 24 R34
- 71289 MATTINGLEY, G. H. The Seed Potato Certification Scheme. *Victoria. Dept. Agr. J.* 49:177-180. Apr.1951. 23 V66J
- 71290 MERL, E. M. Technische einrichtungen amerikanischer samenprüfungs-laboratorien. *Z. f. Pflanzenbau u. Pflanzenschutz* 1:229-236. Dec.1950. 464.8 P88
- 71291 ROMANO, J. M. Ventajas de las semillas fiscalizadas. *Res* 19:25932-25933. May 5,1951. 286.85 R31
- 71292 ROTH, C. F. Today in the field seed business. *Grain & Feed J. Consolidated* 106(12):19-20. June 27, 1951. 298.8 G762
- 71293 SASKATCHEWAN. UNIVERSITY. COLLEGE OF AGRICULTURE. DEPT. OF AGRICULTURAL EXTENSION. Saskatchewan seed clubs for juniors; regulations-1950. *Saskatoon, 1951.* 4 p. 275.29 Sa7S
- 71294 TOBEY, E. R. Commercial agricultural seeds, 1950, fungicides and insecticides, 1950. *Maine. Agr. Expt. Sta. Off. Insect.* 218,37 p. Dec.1950. 100 M28S
- Analyses.

SUGAR AND SIRUPS

- 71295 ADKINS, B. G. Notes on the viscosity of molasses and massecuites. *Queensland Soc. Sugar Cane Technol. Proc.* 18:43-52. 1951. 65.9 Q332
- 71296 AFANASENKO, S. S. Specification of calculation of lime. (In Russian.) *Sakh. Promysh.* 25(2):28-29. Feb.1951. 65.8 Sa2
- For sugar manufacture.
- 71297 AIYAR, K. V. G. Certain aspects of the low recovery in the sugar factories in Madras. *Sugar Technol. Assoc. India. Proc.* 19:109-121. 1950. 65.9 Su33P
- 71298 AIYAR, K. V. G. Modes of payment of cane in different countries and the method of payment suggested for adoption in India. *Sugar Technol. Assoc. India. Proc.* 19:255-264. 1950. 65.9 Su33P
- 71299 AWASTHY, H. N. S., and SINGH, S. D. Preparation of chemically pure potassium sulphate from molasses ash. *Sugar Technol. Assoc. India. Proc.* 19: 238-241. 1950. 65.9 Su33P

- 71300 BAH, H. S., LEE, H. C., and LEU, C. T. A study on acetone-butanol fermentation of cane molasses. I. (In Chinese.) *Taiwan. Sugar Expt. Sta. Rpt.* 6:193-206. Dec.1950. 65.9 F76R
- English summary.
- 71301 BALASUNDARAM, S., HIRANI, R. K., and SUBRAHMANYAN, V. Studies on calcium gluconate: II. Preparation from cane sugar. *J. Sci. & Indus. Res.* 10B: 22-24. Jan.1951. 475 J82
- 71302 BASU, K. L. Loss of sugars in filter press juice in sulphitation factories. *Sugar Technol. Assoc. India. Proc.* 19:15-26. 1950. 65.9 Su33P
- 71303 BECKER. Die rübenbreisäge nach Rabbethge und Giesecke. *Korrespondenz. f. Zuckerfabriken* 1950: 4-5. Nov.20,1950. 65.8 K84
- 71304 BHATNAGAR, M. S., and RAI, S. Resins from molasses-sugar and other carbohydrates. *Sugar Technol. Assoc. India. Proc.* 18:52-54. 1949. 65.9 Su33P
- 71305 BLANKE, F. Verarbeitung frostgeschädigter rüben in der zuckerfabrik Barth 1944/45. *Zucker* 4:117-118. Mar.15,1951. 65.8 Z82
- 71306 BLOCK, B. Gleichform-normalschnitte bei verschiedenen höhenlagen der vorlag von zickzackmessern. *Korrespondenz. f. Zuckerfabriken* 1950:1-4. Jan.20, 1951. 65.8 K84
- 71307 CHANG, C. C. A biochemical investigation on the fermentation products from sugar materials by *Clostridium toanum* Baba. (In Chinese.) *Taiwan Sugar J. Q.* 3(2):1-11. Mar.1951. 65.8 T13
- English summary.
- 71308 CHANG, P. K. Recent advances and trends in cane sugar factory technics. (In Chinese.) *Taiwan Sugar J. Q.* 3(2):12-30. Ref. Mar.1951. 65.8 T13
- English summary.
- 71309 CHEN, W., and WANG, P. C. The conductometric measurement of ash in Taiwan white and raw cane sugars. (In Chinese.) *Taiwan. Sugar Expt. Sta. Rpt.* 6: 165-172. Dec.1950. 65.9 F76R
- English summary.
- 71310 CHEN, W., and CHENG, T. H. The hygroscopic properties of Taiwan raw and white sugars. (In Chinese.) *Taiwan. Sugar Expt. Sta. Rpt.* 6:173-192. Ref. Dec.1950. 65.9 F76R
- English summary.
- 71311 CHIANG, C. S. The utilization of Taiwan alcohol for the manufacture of GR-S synthetic rubber. (In Chinese.) *Taiwan Sugar J. Q.* 3(2):56-73. Ref. Mar. 1951. 65.8 T13
- English summary.
- 71312 CLAYTON, J. L. Bulk sugar storage at the factory. *Queensland Soc. Sugar Cane Technol. Proc.* 18: 31-36. 1951. 65.9 Q332
- 71313 COSTA RICA. JUNTA DE PROTECCIÓN A LA AGRICULTURA DE LA CAÑA. Informe final de la directiva nombrada durante el período 1948-1950. *Costa Rica. Cons. Nac. de Prod. Prod. Nac.* 4:43-48. Mar.1951. 281.9 C82
- 71314 DESBORDES, M. Evolution de la production de la betterave en France. *Indus. Agr. et Aliment.* 68:235-240. May/June 1951. 383 As7
- English summary.
- The industry.
- 71315 DHINGRA, D. R., MITHEL, B. B., and JOSHI, G. C. Pulp from bagasse. *Sugar Technol. Assoc. India. Proc.* 19:242-246. Ref. 1950. 65.9 Su33P
- 71316 DÖRFELDT, W. Über die zusammensetzung ostdeutscher dicksäfte der letzten 3 kampagnen 1947/48 bis 1949/50. *Korrespondenz. f. Zuckerfabriken* 1950:1-4. (To be cont.) Nov.20,1950. 65.8 K84
- 71317 DÖRFELDT, W. Vergleichende kampagne-statistik des Bundesgebietes. *Korrespondenz. f. Zuckerfabriken* 1950:1-9. Feb.20,1950. 65.8 K84
- 71318 DOSS, K. S. G., and SINGH, A. Activated carbons from molasses. *Sugar Technol. Assoc. India. Proc.* 19:230-232. 1950. 65.9 Su33P
- 71319 DOSS, K. S. G., and GUPTA, K. K. Ash percentage in Indian final molasses from electrical conductivity measurements at 35°C. *Sugar Technol. Assoc. India. Proc.* 18:42-46. Ref. 1949. 65.9 Su33P
- 71320 DOSS, K. S. G., and GUPTA, K. K. Comparative study of the conductometric methods for ash in sugar products. *Sugar Technol. Assoc. India. Proc.* 19:212-218. 1950. 65.9 Su33P
- 71321 DOSS, K. S. G., and GHOSH, S. K. Kinetics of colour development in invert sugar solutions. II. *Sugar Technol. Assoc. India. Proc.* 18:26-31. 1949. 65.9 Su33P
- 71322 DOSS, K. S. G., and GHOSH, S. K. Kinetics of sucrose crystallization. *Sugar Technol. Assoc. India. Proc.* 19:183-191. 1950. 65.9 Su33P

- 71323 DOSS, K. S. G., and KALYANASUNDARAM, A. Rubin number of sugars. Sugar Technol. Assoc. India. Proc. 19:200-208. 1950. 65.9 Su33P
- 71324 DOSS, K. S. G., and GUPTA, K. K. Theory of ash determination by three-conductance measurements. Sugar Technol. Assoc. India. Proc. 18:47-51. 1949. 65.9 Su33P
- 71325 EMILIANI, E. Aprovechamiento industrial del sorgo azucarado. Soc. Cient. Argentina. An. 151:8-24. Ref. Jan. 1951. 516 So1
- 71326 FERNÁNDEZ UZQUIZA, J. J. Aforo expedito de cosechas remolacheras. Agricultura [Madrid] 20:230-233. May 1951. 15 Ag84
- 71327 GECK, W. H. Die zündgefahren aus zuckerstaub. Zucker 4:31-36. Jan. 15, 1951. 65.8 Z82
- 71328 GOLOVKOV, P. D. Relation between the time of crystallization and the amount of the crystallized sugar. (In Russian.) Sakh. Promysh. 25(2):18-21. Feb. 1951. 65.8 Sa2
- 71329 GUNDURAO, S. N., KULKARNI, H. G., and KULKARNI, D. P. Sugarcane wax. Sugar Technol. Assoc. India. Proc. 18:62-69. 1949. 65.9 Su33P
- 71330 JOSHI, K. C., and NEGI, B. S. Types of gur and its sweets. Sugar Technol. Assoc. India. Proc. 19:247-254. 1950. 65.9 Su33P
- 71331 KAGANOV, I. N., and VOLOKHVANSKII, V. M. Omitting of crystals in sugar. (In Russian.) Sakh. Promysh. 25(2):26-27. Feb. 1951. 65.8 Sa2
- 71332 KHANNA, K. L., and CHACRAVARTI, A. S. The non-sugars in sugarcane juice and their bearing on clarifying properties: a study in relation to the open pan industry. Indian Acad. Sci. Proc. Sect. B 33:204-220. Ref. Apr. 1951. 513 In25B
- 71333 KITCHEN, H. The colloids in clarified juice and raw sugars. Queensland Soc. Sugar Cane Technol. Proc. 18:99-102. 1951. 65.9 Q332
- 71334 KLEINERMAN, A. Z. Sugar research in the "Collectivist" factory. (In Russian.) Sakh. Promysh. 25(2):13-17. Feb. 1951. 65.8 Sa2
- 71335 KLOPPENBURG, C. A. Sugar recovery from molasses. II. Sugar Technol. Assoc. India. Proc. 19:225-228. 1950. 65.9 Su33P
- 71336 KOOLJ, J. N. Circulation de sirop traité par un échangeur d'ions, dans une fabrique de sucre de betterave. Chim. & Indus. 65:811-817. June 1951. 383 C42
- 71337 LAMOUCHE, H. Les sucreries de betteraves de la Californie. Indus. Agr. et Aliment. 68:271-275. May/June 1951. 383 As7
- English summary.
- 71338 LOCSIN, C. L. Queensland cane payment system and Philippine sugar distribution; incorporating the idea of "payment for quality." Sugar News [Manila] 27:103-107. Mar. 1951. 65.8 Su36
- 71339 LOMOV, F. O. Concerning the interplant planning and economics. (In Russian.) Sakh. Promysh. 25(2):9-12. Feb. 1951. 65.8 Sa2
- Sugar factories.
- 71340 LONG, B. E. Progreso en la industria azucarera de Cuba, Florida, Louisiana, California, Hawaii y Mexico. I. Acta Agron. 1:81-85. Apr. 1951. 9.4 Ac8
- 71341 MCDONALD, E. J. Report on reducing sugars. Assoc. Off. Agr. Chem. J. 34:437-439. May 15, 1951. 381 As7
- 71342 MACGIBBON, J. M. In the making of a price scale for payment of cane. Queensland Soc. Sugar Cane Technol. Proc. 18:7-13. 1951. 65.9 Q332
- 71343 MARTIN, L. F. The production and use of sugarcane. U. S. D. A. Ybk. 1950/51:293-299. 1 Ag84Y
- 71344 MARTIN, L. F. Valuable byproduct recovered in sugarcane processing. U. S. Agr. Res. Admin. Res. Achvt. Sheet 137(C), 2 p. June 1951. 1.98 R31
- 71345 MARTIN-LEAKE, H. Thoughts on the sugarcane industry of India. Sugar Technol. Assoc. India. Proc. 19:77-81. 1950. 65.9 Su33P
- 71346 MEL'NIK, M. K. Reserves of increase of productivity and of marketability of sugar on collective farms. (In Russian.) Sakh. Promysh. 25(2):32-36. Feb. 1951. 65.8 Sa2
- 71347 MILLER, S. The place of sugar in Hawaii's economy. Plantation Health 15(2):4-11. Apr. 1951. 448.8 P69
- 71348 MIRA, E. La caña de azúcar en la economía azucarera nacional. Agricultura [Madrid] 20:175-179. Apr. 1951. 15 Ag84
- 71349 MITCHELL, E., and SOMMERFELD, C. A. Laboratory experiments with ion exchange resins. Queensland Soc. Sugar Cane Technol. Proc. 18:111-120. 1951. 65.9 Q332
- 71350 MUIR, R. S. J., and WADDELL, C. W. The sugar industry of Australia. Sugar J. 14(2):7-11. July 1951. 65.8 Su391
- 71351 NAIK, G. Additional uses of palm gur. Tad Gud Khabar 11(6):2-3. Sept. 1950. 67.8 T12
- Various products manufactured from palms.
- 71352 OWENS, H. S., and others. Composition of sugar beets. Sugar J. 14(2):12-14. Ref. July 1951. 65.8 Su391
- A. E. Goodban, J. B. Stark, and H. G. Walker, joint authors.
- 71353 PAGUIA, R. L. Facts about Philippine sugar. Sugar News [Manila] 26:407-408. Aug. 1950. 65.8 Su36
- 71354 PANDE, S. M. Palm gur in Patna. Tad Gud Khabar 11(5):4-5. Aug. 1950. 67.8 T12
- 71355 PANJE, R. R. Introducing a date-bound variation in cane price. Sugar Technol. Assoc. India. Proc. 19:27-40. 1950. 65.9 Su33P
- 71356 PARASHAR, D. R. The behaviour of colouring matters and other objectionable ingredients present in khandsari sugar during the process of refining. Sugar Technol. Assoc. India. Proc. 18:72-75. 1949. 65.9 Su33P
- 71357 PARASHAR, D. R., and AGARWAL, R. N. Cooling of high grade massecuites. Sugar Technol. Assoc. India. Proc. 18:32-41. 1949. 65.9 Su33P
- 71358 PARASHAR, D. R. Purity drop in sulphitation factories. Sugar Technol. Assoc. India. Proc. 19:219-224. 1950. 65.9 Su33P
- 71359 POLLARD, J. S. An improved method of grain-ing. Queensland Soc. Sugar Cane Technol. Proc. 18:53-56. 1951. 65.9 Q332
- 71360 QUEENSLAND SOCIETY OF SUGAR CANE TECHNOLOGISTS. Proceedings of the eighteenth conference, Bundaberg, Queensland, from 29th March to 4th April, 1951. Brisbane, 1951. 146 p. 65.9 Q332
- 71361 RAO, S. N. G., and JOSHI, B. C. Application of the Blake type jaw crusher in sugar candy manufacture. Sugar Technol. Assoc. India. Proc. 19:235-237. 1950. 65.9 Su33P
- 71362 RAO, S. N. G., and KULKARNI, D. P. Some aspects of chemical control. Sugar Technol. Assoc. India. Proc. 19:173-182. Ref. 1950. 65.9 Su33P
- 71363 REICH, G. T. Economic consideration in the valuation of distiller's yeast. Assoc. de Téc. Azucareros de Cuba. Proc. 23:367-381. Ref. 1949. 65.9 As5
- Manufacture.
- 71364 SAHA, J. M., and others. A new technique of clarification by the sulphitation method. Sugar Technol. Assoc. India. Proc. 19:156-172. 1950. 65.9 Su33P
- N. S. Jain, K. S. Saxena, and G. M. Nigam, joint authors.
- 71365 SAHA, J. M. Working of filter presses & sweetening off of cakes. Sugar Technol. Assoc. India. Proc. 18:23-25. 1949. 65.9 Su33P
- 71366 SALINAS, J. G. Reflexiones sobre el problema actual de la clarificación de los guarapos. Assoc. de Téc. Azucareros de Cuba. B. Ofic. 9:415-419. Dec. 1950. 65.9 As5B
- 71367 SEN, H. D., and SRIVASTAVA, H. C. Aconitic acid from molasses. Sugar Technol. Assoc. India. Proc. 18:55-56. 1949. 65.9 Su33P
- 71368 SEN, H. D., and SRIVASTAVA, H. C. Edible syrup from molasses. Sugar Technol. Assoc. India. Proc. 18:60-61. 1949. 65.9 Su33P
- 71369 SEN, H. D., and SRIVASTAVA, H. C. Plastics from sugar and molasses. Sugar Technol. Assoc. India. Proc. 18:57-59. Ref. 1949. 65.9 Su33P
- 71370 SETHI, R. L. Dangers to the sugar industry in northern India. Sugar Technol. Assoc. India. Proc. 19:82-83. 1950. 65.9 Su33P
- 71371 SHAKIN, A. N., and SVIATENKO, M. M. Great Stalin construction on the Volga and prospects for the development of sugar production. (In Russian.) Sakh. Promysh. 25(2):4-6. Feb. 1951. 65.8 Sa2
- 71372 SKLAR, A. L. Recent developments in industrial conversion of sugars by chemical and microbiological means. Assoc. de Téc. Azucareros de Cuba. Proc. 23:353-366. 1949. 65.9 As5
- 71373 SNYDER, C. F. Report on sugars and sugar products. Assoc. Off. Agr. Chem. J. 34:437. May 15, 1951. 381 As7
- 71374 STOUT, M., MCBIRNEY, S. W., and FORT, C. A. Developments in handling sugar beets. U. S. D. A. Ybk. 1950/51:300-307. 1 Ag84Y
- Harvesting, storing and processing.
- 71375 SUERTE, D. The Talisay - Bacolod alcohol distillery. Sugar News [Manila] 26:278-283, 286. June 1950. 65.8 Su36

- 71376 SUGAR RESEARCH FOUNDATION. Progress and prospects; seventh annual report, 1950. New York, 1950. 71 p. 65.9 Su34R
- 71377 SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA. Proceedings of the nineteenth annual convention, 1950, I-II. Nawabganj, Kanpur, 1950. 273 p. 65.9 Su33P
- 71378 TEJADA, J. DE D. Azúcar en México. Cuba Econ. y Financ. 26(303):31-33. June 1951. 286.8 C892
- 71379 THIELEPAPE, E. Ionenaustauscher in der amerikanischen Rübenzuckerindustrie. Zucker 4:73-76. Feb. 15, 1951. 65.8 Z82
- 71380 THIELEPAPE, E. Zuckertechnische arbeit in Kalifornien. Zucker 4:53. Feb. 1, 1951. 65.8 Z82
- 71381 VAN CLUTE, J. The old cane mill. Org. Farmer 2(12):35-37, 53. July 1951. 57.8 Or3
- 71382 VENTON, C. B. The application of the Douwes-Dekker formula to Queensland molasses. Queensland Soc. Sugar Cane Technol. Proc. 18:37-42. 1951. 65.9 Q332
- 71383 WALAWALKAR, D. G. Neera, its nature, composition and preservation. Sugar Technol. Assoc. India. Proc. 18:76-80. 1949. 65.9 Su33P
- Fresh juice tapped from palms.
- 71384 WALTERS, F. R. Are the sugars vulnerable to peace? Mag. Wall St. 88:456-457, 475-477. July 28, 1951. 286.8 M27
- 71385 WIDMER, R. Sweetest story ever told. Sugar Press 35(2):12-14. Spring Q. 1951. 66.8 Su322
- Sugar beet culture and processing.
- 71386 WILLITS, C. O. Crops from the maple [Acer] trees. U. S. D. A. Ybk. 1950/51:316-320. 1 Ag84Y
- Maple sirup and sugar.
- 71387 YORE, K. J. Investigations into the unburnt bagasse nuisance. Queensland Soc. Sugar Cane Technol. Proc. 18:129-139. 1951. 65.9 Q332
- 71388 YU, T. C. Studies on the de-ionization of cane juice by ion exchange. II. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 6:149-164. Dec. 1950. 65.9 F76R
- TOBACCO
- 71389 BEINHART, E. G. Production and use of nicotine. U. S. D. A. Ybk. 1950/51:773-779. 1 Ag84Y
- 71390 BLACK, D. G. Cured 68,400 lbs of leaf in four 16' x 17' x 22' barns. Rhodesian Tobacco J. 3:79. Jan. 1951. 69.8 R34
- 71391 DOBBS, P. What about the tobaccos? Mag. Wall St. 88:458-459, 471-472. July 28, 1951. 286.8 M27
- Situation in the industry.
- 71392 GEDEON, J. Nicotine from tobacco & tobacco wastes. J. Sci. & Indus. Res. 10A:153-156. Ref. Apr. 1951. 475 J82
- 71393 GIOVANNOZZI, M. Statement of values in chemical analysis of tobacco. (In Italian.) Tabacco 55: 83-88. Mar. 1951. 69.8 T115
- 71394 GIOVANNOZZI, M., and VERDURA, R. Studies on tobacco curing. IV. Use of infrared rays for redrying tobacco. (In Italian.) Tabacco 55:89-94. Mar. 1951. 69.8 T115
- 71395 GIOVANNOZZI, M., and VERDURA, R. Studies on tobacco fermentation. XII. (In Italian.) Tabacco 55: 115-119. Ref. Apr. 1951. 69.8 T115
- 71396 GONZALEZ PADILLA, A. G. Curación del tabaco tipo Virginia en Jujuy y proyecto de estufa. Argentina. Dir. Gen. de Fomento Agr. B. de Prod. y Fomento Agr. 2(17):2-18. Nov. 1950. 9 Ar35
- 71397 IRAIZOZ, A. El problema de la ripladera. Habano 17(11):6. Feb. 1951. 69.8 H11
- 71398 MCEWEN, J. Australia gives her would-be tobacco growers adequate training. Tobacco Trade J. 10(5):21, 23. May 1951. 286.89 T5522
- The industry.
- 71399 NAIDU, C. R., and RAJAGOPALAN, T. S. Indian Central Tobacco Committee. Indian Tobacco 1:18-27. Jan./Mar. 1951. 69.8 In2
- 71400 NAIDU, C. R. Introduction of open sales in the market yards of the Tobacco Market Committee in Guntur. Indian Tobacco 1:48-50. Jan./Mar. 1951. 69.8 In2
- 71401 NAIDU, C. R. Loose leaf markets or auction sale floors in America. Indian Tobacco 1:45-47. Jan./Mar. 1951. 69.8 In2
- 71402 PATEL, M. S. Tobacco marketing in Coimbatore District. Indian Tobacco 1:51-55. Jan./Mar. 1951. 69.8 In2
- 71403 PYRIKI, C. Über die tabakfermentation. I. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 92:322-331. May 1951. 384 Z39
- 71404 RALA, N. Why an organization of tobacco producers is necessary. (In Italian.) Agenzia Romana Note e Inform. Agr. 32:1-2. May 7, 1951. 281.8 Ag3
- 71405 RANCOURT, E. DE. Le tabac en Union Indienne. Rev. Internatl. des Tabacs 26:129-130. June/July 1951. 69.8 R324
- 71406 SCHACHTNER, R. Produktion und versteuerung von tabakwaren in Bayern. Bayern in Zahlen 5:183-186. Apr. 1951. 265 B34
- Statistics.
- 71407 SHORT, E. H. Marketing of tobacco in Queensland. Queensland Prod. 32(39):3. Mar. 28, 1951. 23 Q35
- 71408 SINGH, J. Indian tobacco and prices. Indian Tobacco 1:43. Jan./Mar. 1951. 69.8 In2
- 71409 TANDON, P. L. Tobacco grading scheme and its achievements. Indian Tobacco 1:36-38. Jan./Mar. 1951. 69.8 In2
- 71410 THOMAS, A. Instalaciones de transporte neumático en la industria del tabaco. Rev. Indus. y Fabril 6(52):39-43. Jan. 1951. 297.8 R322
- 71411 THOMPSON, R. R. First cigar State still leads production of quality, dollar value of the tobacco. Tobacco [New York] 132(26):16-17. June 28, 1951. 286.89 T552
- Connecticut.
- 71412 U. S. PRODUCTION AND MARKETING ADMIN. Fire-cured tobacco market review, 1950-51 season. Washington, 1951. 32 p. 1.9 Ec714T
- Marketing statistics.
- 71413 U. S. PRODUCTION AND MARKETING ADMIN. Flue-cured tobacco market review, 1950-51 season. Washington, 1951. 46 p. 1.9 Ec714T
- Statistics.
- 71414 U. S. PRODUCTION AND MARKETING ADMIN. Tentative standard grades for Ohio cigar-leaf tobacco (U. S. types 42, 43, and 44). Rev. Washington, 1951. 11 p. 1.956 A2T2694
- MISCELLANEOUS PRODUCTS
- 71415 BLANCO SANTAMARIA, G. La producción y el comercio de alcázaras. Inform. Com. Españ. 1951: 418-421. Mar. 1951. 286.8 In3
- Text in English, p. 432-434.
- 71416 BURGESS, A. H. Notes on the physics of hop drying. Wallerstein Lab. Commun. 14:111-117. June 1951. 390.9 W15
- 71417 CRONK, J. G., and MILLATT, E. G. Alginic acid and the alginates. Food Indus. So. Africa 3(11):35-38. Ref. Mar. 1951. 389.8 F7372
- 71418 DAVID, S. Contribution on the study of bitter acids of hops. (Sum.) Amer. Brewer 84(6):40. June 1951. 390.8 Am3
- 71419 EICHINGER, S. Der hopfenbau in Bayern. Brauwelt 1951:459-460. May 31, 1951. 390.8 B732
- Area involved and size of holdings.
- 71420 KEYWORTH, W. G. Some aspects of hop research in England. (Abs.) Amer. Brewer 84(6):50, 52. June 1951. 390.8 Am3
- 71421 LANDES, K. H. What to know about cassias. 3. Coffee & Tea Indus. 74(7):53, 57. July 1951. 389.8 Sp4
- Grades.
- 71422 MARTIN, H. La chromatographie appliquée à l'analyse qualitative des tanins. B. de l'Assoc. Franç. des Chim. des Indus. du Cuir et Doc. Sci. et Tech. des Indus. du Cuir 13:58-65. Mar. 1951. 303.8 B87
- 71423 ROGERS, J. S. Native sources of tanning materials. U. S. D. A. Ybk. 1950/51:709-715. 1 Ag84Y
- Plant materials.
- 71424 RUST, I. Estimated 1950 salable production of tropical flowers and foliage, Territory of Hawaii. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 6, 9 p. May 1951. 275.29 H312AE
- 71425 SMALL, F. W., JR., and SCALLET, B. L. Infra-red spectra of extracts of hops. (Abs.) Amer. Brewer 84(6):52. June 1951. 390.8 Am3
- 71426 WASHINGTON STATE COLLEGE. EXTENSION SERV. Washington fish canning guide. Wash. State Col. Ext. C. 194, 4 p. June 1951. 275.29 W27C
- 71427 WRIGHT, R., and CONNERY, F. E. Studies of hop quality. (Abs.) Amer. Brewer 84(6):50. June 1951. 390.8 Am3

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 71428 AUBERT, C. L'industriel et le paysan en Suisse; leurs intérêts sont-ils inconciliables? *Rev. Econ. Franco-Suisse* 31:77-80. Mar.1951. 287 Sw6
- 71429 BAUGHMAN, E. T. Current economic trends and farm prospects. (Sum.) *Grain & Feed Rev.* 40(10):18, 57. June 1951. 280.28 C78
- 71430 BURGOS L., J. A. Informe del viaje a los Rios Tambo, Alto Ucayali y Urubamba. *Mensajero Agr.* 55/56: 29-30,49. (Concl.) 1950. 9.8 M52
- Installment discusses the economy and nutrition of the area.
- 71431 DURTSCHI, E. Die wirtschaftlichen Bestimmungen im Entwurf zu einem neuen Landwirtschaftsgesetz. *Agrarpolit. Rev.* 7:369-389. May 1951. 281.8 Ag824 Switzerland.
- 71432 ECONOMIES agricoles comparées de l'Allemagne Occidentale et de la France au cours de l'année 1950. *Rev. d'Etudes Econ. Franco-Allemandes* 5:47-58. Jan.1951. 280.8 R3238
- Text also in German.
- 71433 FRANCISCO, D. L. Our paradoxical economic development. *Agr. & Indus. Life* 13(5):2-3,34. May 1951. 25 Ag8
- Economic conditions in the Philippines.
- 71434 JONASSON, O. G. Befolkningen och näringslivet i Mellansverige inom GDG:s trafikområde, 1865-1940; en järnvägsgeografisk undersökning [Population and industry in Middle Sweden within the GDG's traffic area, 1865-1940; a railway geographical investigation]. *Göteborg, 1950.* 247 p. 277.173 J69
- 71435 LANDBOUW-ECONOMISCH INSTITUUT. Verslag over het jaar 1950 [Report for the year 1950]. *Den Haag, 1951.* 59 p. 281.9 L23
- 71436 LINCOLN, M. D. The age of abundance. *Ohio Farm Bur. News* 30(11):14-15,25. June 1951. 6 Oh34
- 71437 PARKS, W. J. United States administration of its international economic affairs. Baltimore, Johns Hopkins Press, 1951. 315 p. 280.12 P23
- Includes work of the Department of Agriculture.
- 71438 RAFLER, D. D. Indonesia in the world economy. II. *Foreign Agr.* 15:109-111. May 1951. 1.9 Ec7For
- 71439 RAINERI, C. Is it possible to plan the European agricultural economy as a unit? (In Italian.) *Agenzia Romana Note e Inform. Agr.* 31:6-7. May 5, 1951. 281.8 Ag3
- 71440 REYES, D. The Peruvian economy. (In Portuguese.) *Fazenda* 46(6):25-27,52,58. June 1951. 6 H11P
- 71441 ROSS, R. C. An introduction to agricultural economics. New York, McGraw-Hill, 1951. 414 p. 281.12 R73
- 71442 SMITH, C. N. Taxation, inflation, and subsidies. *Va. Agr. Col. Ext. Va. Farm Econ.* 127:4-10. May 1951. 275.29 V813
- 71443 WEEKS, E. P. A review of the main features of the Maritime economy. *Canad. Agr. Econ. Soc. Proc.* 20:40-48. 1950. 281.9 C16

AGRICULTURAL FINANCE

- 71444 DUBOURGUIER, A. Le chèque sans provision, institution—d'Etat! *Réveil Agr.* 60:129-130. May 1, 1951. 14 R322
- France.
- 71445 HALE, T. B. America's best customer—the farmer. *Farm Electr.* 5(3):25-31. May/June 1951. 335.8 F224
- 71446 HARDIN, L. S. The changing nature of farm expenses. *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:4-5,8. May 24, 1951. 275.29 In2Em
- 71447 HOLMSTRÖM, S. Farm equipment investments. (In Swedish.) *Lantmannen* 35:503-505. June 23, 1951. 11 L234
- 71448 HOUILLIER, F. Le pouvoir d'achat agricole. *Agr. Prat.* 115:293-297. June 1951. 14 J82
- In various countries.
- 71449 REED, V. D. A new look at the farm market. *Advertising Agency* 44(7):52-55,96,98,100. July 1951. 238.28 Ad93

- 71450 ROLLI, A. The budget of the Minister of Agriculture tuned to the social and economic needs of the moment. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 31:1-3. May 5, 1951. 281.8 Ag3
- 71451 STEDING. Bestehen aussichten auf auslandskredite? *Deut. Landwirt. Presse* 74:90. Apr.7, 1951. 18 D482
- Capital.
- 71452 TYRER, T. G. "Pay as you go" improvements. *New Zeal. Dairy Exporter* 26(11):5,7-9. May 1951. 44.8 N484
- Finance.
- 71453 YOUNG, L. A., and MCCORDIC, M. P. Business methods for the family. *Wis. Agr. Col. Ext. Spec. C.*, 18 p. Jan.1951. 275.29 W75S
- 71454 YOUNG, L. A., and MCCORDIC, M. P. The business side of family living; business methods for the family. *Wis. Agr. Col. Ext. Spec. C.*, 18 p. Jan.1951. 275.29 W75S

Credit

- 71455 AMERICAN BANKERS ASSOCIATION. AGRICULTURAL COMMISSION. Agricultural credit and related data, 1951. New York, 1951. 52 p. 284.29 Am3A
- 71456 AMERICAN BANKERS ASSOCIATION. AGRICULTURAL COMMISSION. Annual meeting, Fort Des Moines Hotel, Des Moines, Iowa, March 22-23, 1951. New York, 1951. 41 p. 284.29 Am3An
- 71457 BANCO DE LA NACION ARGENTINA. Memoria y balance general del 58. ejercicio correspondiente al año 1949. Buenos Aires, 1950. 218 p. 284.9 B226As
- Includes agricultural credit.
- 71458 BOGUE, A. G. The land mortgage company in the early Plains States. *Agr. Hist.* 25:20-33. Jan.1951. 30.98 Ag8
- 71459 BUONAIUTO, G. Need for financing the Sarno reclamation projects. (In Italian.) *Mezzogiorno Agr.* 7(19):1,4. May 13/19, 1951. 16 M57
- 71460 CAMPBELL, W. W. Banking and agriculture. *U. S. Investor* 62:1267-1270. June 23, 1951. 284.8 Un32
- 71461 CENTRAL MORTGAGE AND HOUSING CORPORATION. ECONOMIC RESEARCH DEPT. Mortgage lending in Canada, a factual summary, 1950. Ottawa, 1951. 103 p. 284 C332
- Includes farm mortgages.
- 71462 CHAUNCEY, C. O. Legal pitfalls of short-term farm loans. *Fed. Reserve Bank Boston. New Eng. Farm Finance News* 6(5):2-4. May 1951. 284.28 N44
- 71463 CHRISTIANSON, J. O. Ag short course scholarship. M.B.A. [Minnesota Bankers Association]. *Com. West* 101(26):14-19. June 30, 1951. 286.8 C733
- 71464 CREDITKASSEN FOR LANDEJENDOMME I ØSTIFTERNE. Beretning til repræsentanterne [Report to the representatives of the Credit Association of the Farm Properties in the Island Provinces], 84th. 1949/50. København, 1950. 51 p. 284.29 C862
- 71465 DOWNIE, R. N. Financing the wheat grower. *Banking* 44(2):61,64,66,68-69. Aug.1951. 284.8 Am3
- 71466 FONTANILLE, H. Les assises du crédit agricole mutuel algérien. *Algérie Agr. et Vitic.* 29(1170):1. June 9, 1951. 24 AL37
- 71467 HAGGARD, G. W. Relationships with borrowers. Washington, U. S. Rur. Electr. Admin., 1951. 6 p. 1.933 H12
- Talk at 1951 Field Conference, Old Point Comfort, Va. and Salt Lake City.
- Relationship between the REA and its borrowers.
- 71468 HOLLOWELL, W. W. Agricultural committee report. *Miss. Banker* 36:17-18,20,22. June 1951. 284.8 M69
- Committee of the Mississippi Bankers Association.
- 71469 ISLEIB, J. R. The land banks and NFLAs—how cooperative? *News Farmer Coop.* 18(3):6,18. June 1951. 166.2 N47
- Cooperative characteristics of the Federal land bank system and the national farm loan associations.
- 71470 KENNEDY, M. S., JR. Road to farm ownership rough; Federal Land Bank helps. *Hoosier Farmer* 36(7): 12,16. July 1951. 280.82 H76
- 71471 LAND AND AGRICULTURAL BANK OF SOUTH AFRICA. Report for the year ended 31st December, 1950. Pretoria, 1951. 28 p. 284.29 L22
- 71472 LUPPINO, F. Agriculture and credit. (In Italian.) *Mondo Agr.* 2(19):1. May 13, 1951. 16 M74
- Italy.
- 71473 PATTON, J. M. Modern mechanization is one answer to country bank operations. *Com. West* 102:9-10, 21. July 7, 1951. 286.8 C733

71474 POE, W. D. We have all other needs—now we can get capital! Prog. Farmer, Carolinas-Va. Ed. 66 (7):15,80. July 1951. 6 P945

Financing livestock production through the U. S. Farmers Home Administration and Production Credit Associations.

71475 PUNJAB. BOARD OF ECONOMIC INQUIRY. Report on the need and supply of credit in the rural areas of the Punjab. West Punjab. Bd. Econ. Inq. P. 101,60 p. 1951. 281.9 In2

Inquiry conducted by H. A. Syed.

71476 QUEBEC. OFFICE DU CRÉDIT AGRICOLE. Rapport pour l'année se terminant le 31 décembre 1950. Quebec, 1951. 10 p. 284.29 Q32

71477 ROBERTS, W. S. Sneak blow aimed at REA loans. Ky. Elect. Co-op. News 4(6):7. June 1951. 335.8 K41

71478 ROWE, F. N., JR. Broiler financing is a good risk. Feedstuffs 23(25):28,30,32-33. June 23, 1951. 286.81 F322

71479 RURAL BANK OF NEW SOUTH WALES. Annual report, 1950. Sydney, 1951. 31 p. 284.9 R88

71480 U. S. FARM CREDIT ADMIN. Annual report, 1949/50. Washington, 1951. 176 p. 1 Ag84

71481 WACE, SIR B. Credit and the farmer; an inquiry into the credit needs of the small family farm. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.1-35. Oxford, 1951. 280.29 H78

71482 WESTRA, T. L. NW farmers walk hazardous roads; bank loans must meet test. Com. West 102(2):7,9-10,13. July 14, 1951. 286.8 C733

71483 WILLY, W. M. Country bank adjustments. (Digest.) Ill. Banker 32(12):3-4. June 1951. 284.8 C79

Income

71484 CANADA. BUR. OF STATISTICS. Farm cash income, 1950. Ottawa, 1951. 9 p. 284.9 C161C Statistics.

71485 COLLISSON, C. F. Wealth Belt milk pails tinkle tune to almost a billion bucks. Com. West 102(2):11. July 14, 1951. 286.8 C733

71486 DONETH, J. C. The farmer's salary changes fast. Mich. State Col. Agr. Ext. Mich. Farm Econ. 101:1,3-4. May 1951. 275.29 M58A

71487 MCMILLAN, R. T. Factors associated with recent changes of farm income in Alabama. Rur. Sociol. 16:147-153. June 1951. 281.28 R88

71488 ZETTERBERG, O., and LINDMAN, K. The farmers' assessed cash incomes, expenditures and net revenues in 1949. (In Swedish.) Sweden. Stat. Jordbr-namnd. Jordbrekon. Meddel. 13:201-210. May 1951. 257.3 J76

English summary, p. 192.

Inflation

71489 CONTROLLING inflation; a round table discussion. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:51-58. 252.004 N443M

J. K. Galbraith, chairman.

71490 GUSLER, G. How much inflation? Farmer [St. Paul] Gen. Ed. 69(12):6,28-29. June 16, 1951. 6 F2211

Also in Mich. Farmer 215:517,537. June 16, 1951. 6 M58 Mont. Farmer-Stockman 38(19):6-7. June 1, 1951. 6 M764; Ohio Farmer 207(11):8-9. June 2, 1951. 6 Oh3

71491 HINES, H. H. Inflation and its alternatives. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:193-194. June 1951. 275.28 I94

71492 RUFFIN, W. H. What the United States faces. Natl. Farm Inst. Proc. 13:27-34. 1951. 4 N219

Inflation and Government controls.

71493 SIMERL, L. H. Inflation: farmer's friend or foe? Va. Agr. Col. Ext. Va. Farm Econ. 127:13-22. May 1951. 275.29 V813

Insurance

71494 ABELL, M. F. Social security. N. H. Hort. Soc. J. 14:82-84. 1951. 81 N452J

71495 BERTHAULT, P. La sécurité sociale en agriculture en Algérie. Rev. Agr. de l'Afrique du Nord 49:79-80. Feb. 2, 1951. 80 R326

71496 CARNELUTTI, F. Unified payments in agriculture. (In Italian.) Terra [Firenze] 62(24):1-2. June 17, 1951. 16 T274

71497 ELLICKSON, J. C. Crop-hail insurance in 1950. Agr. Situation 35(6):13. June 1951. 1 Ec7Ag

71498 L'EVOLUTION du droit en 1950 et l'agriculture; les problèmes de la mutualité agricole. France. Min. de l'Agr. Rev. Inform. Juridique et Sociale 58:89-91. May 1951. 281.8 F84

71499 HARDING, T. S. Multiple crop insurance. Amer. J. Econ. & Sociol. 10:415. July 1951. 280.8 Am393

71500 PESCE, G. The number of accidents increases. (In Italian.) Gior. di Agr. 61:188. June 17, 1951. 16 It1G Statistics and the problem of insurance in Italy.

71501 SKANDINAVISKA KREATURSFÖRSÄKRINGSBOLAGET, STOCKHOLM. Skandinaviska kreatursförsäkringsbolaget, 1890-1950 [The Scandinavian Livestock Insurance Company, 1890-1950]. Uppsala, 1950. 188 p. 40 Sk1S

71502 STROMMER, J. Hagelversicherung ist notwendig! Österr. Weinztg. 6:59. May 10, 1951. 390.8 Os7

71503 U. S. FEDERAL CROP INSURANCE CORPORATION. Loss adjustment manual for tobacco (for 1951 and succeeding crop years). Washington? 1951. 30 p. 1.952 L893

71504 WALLER, J. F. Hail insurance. Va. Fruit 39(4):16. Apr. 1951. 81 V81B

Taxation

71505 CARROLL, H. B. Truth about farmer cooperatives and taxes. Pacific Nowest. Indus. 10:180-182. July 1951. 280.8 N812

71506 CHATER, S. W. Income tax and the farmer. Primary Prod. [Cape Town] 27(6):23. Mar. 23, 1951. 281.8 P93

Union of South Africa.

71507 DARI, E. M. Agricultural income and the industrialization of agriculture. (In Italian.) Riv. di Polit. Econ. (ser.3)41:471-475. Apr. 1951. 280.8 R52

Taxation of income in Italy.

71508 HEUCH, I. C. Taxation of dairies and dairy properties. (In Norwegian.) Meieriposten 40:350-354, 369-376. May 19-26, 1951. 44.8 M47

71509 LOBOS, O. Los problemas de la industria: habla sobre política tributaria mas justa. Agrario 15 (421):13-14. Feb. 1951. 9.3 Ag85

Chilean wine industry.

71510 MAHOOD, I. An examination of the Swedish tax system. Forestry Chron. 27:122-128. June 1951. 99.8 F7623

71511 MARSAL, J. Comment "réclamer" en matière d'impôts directs. Motorisation Agr. 6:97,99. Feb. 1951. 58.8 M85

France.

71512 MILLER, J. R. Tax angles in livestock sales. Nation's Agr. 26(7):14-15. July/Aug. 1951. 280.82 B89

71513 MIRABEL, E. L'impôt sur les bénéfices de l'exploitation agricole, année civile 1950. Bouches du Rhône Agr. 23(1049):15. Apr. 15, 1951. 14 B662

71514 NANNESON, L. Jordbrukets kassa-journal för självdeklaration [Farm cash journal for tax declaration]. Stockholm, 1950. 82 p. 30.61 N152

71515 REINEKE. Die veranlagung zur kirchensteuer. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:818. May 31, 1951. 18 L2346

71516 STRUNZ, H. Die einkommen- und umsatzsteuerpauschalierung 1950/51. Österr. Bauernbündler 7(22):4. June 2, 1951. 19 Os7

71517 STRUNZ, H. Der neue steuerstrafgesetzentwurf. Landwirtschaft 1951:190. June/July 1951. 19 L235

Austria.

71518 TAYLOR, R. H. Government agencies hunting new ways to get more money out of taxpayers' pockets. Calif. Cattleman 1951:11. June 1951. 43.8 C12

71519 TORRE AHUMADA, O. Los impuestos de la ley 9629, llamada económica. Agr. del Norte 40:129-130. July/Aug. 1950. 9.3 So14

Chile.

71520 VOPELIUS. Änderung des umsatzsteuer-gesetzes in Bonn verabschiedet. Deut. Milchhandels-Ztg. 73:364. June 15, 1951. 44.8 D48

Includes dairy products.

71521 WEHAGE, F., II. Was ist bei der erbschaftssteuer des bauern zu beachten? Landwirtbl. Weser-Ems 98:568-569. June 28, 1951. 18 L2345

AGRICULTURAL LABOR AND WAGES

71522 ALLEN, L. C. Labor on the South Plains. Prog. Farmer, Tex. Ed. 66(7):8,78. July 1951. 6 T311

- 71523 APOLD, L. J. How much labor does fruit growing demand? (In Norwegian.) *Gartneryrket* 41:423-424. (Cont.) June 9, 1951. 80 G1938
- 71524 AZARASHVILI, P. B. Toward new achievements by labor. (In Russian.) *Vinodel. i Vinograd. SSSR*. 10(12):1-9. Dec. 1950. 95.8 V77
- In grape production and wine manufacture chiefly.
- 71525 BACHMAN, K. L. More productive use of our farm manpower. *Agr. Situation* 35(6):6-8. June 1951. 1 Ec7Ag
- 71526 BAKER, R. H. It pays to find the easy way! *Ohio Farmer* 298:3,30-31. July 7, 1951. 6 Oh3
- Livestock chores.
- 71527 BAREISS, G. Transportprobleme im häckselbetrieb. *Württemb. Wchnbl. f. Landwirt.* 118:466. June 9, 1951. 18 W96
- Work management.
- 71528 BARSKIĬ, I. A. S. On production norms in grape culture. (In Russian.) *Vinodel. i Vinograd. SSSR*. 11(1):46. Jan. 1951. 95.8 V77
- 71529 BEGEMAN, J. Sweatshops on the farm. *New Repub.* 125(5):16-17. July 30, 1951. 280.8 N42
- The problem of imported Mexican labor.
- 71530 BERG, J. The program planners of the agricultural committees. (In Norwegian.) *Norsk Landbr.* 17:247-249. June 22, 1951. 11 N8122
- Wages.
- 71531 BICUDO, L. P. The labor problem for coffee culture in São Paulo. (In Portuguese.) *São Paulo. Supt. dos Serv. do Café*. B. 26:223-225. Mar. 1951. 68.29 Sa63
- 71532 BINDER, F. Verbesserung und erleichterung der landarbeit. *Allgäuer Bauernbl.* 19:313-314. June 7, 1951. 18 AL53
- 71533 BOOKHOUT, B. R. Rates for custom work in Michigan, 1950 and 1951. *Mich. State Col. Agr. Ext. Folder F-161*, 8 p. May 1951. 275.29 M58Ex
- 71534 BRESSLER, G. O. Labor saving on Pennsylvania poultry farms. *Pa. Agr. Expt. Sta. B.* 532, 52 p. Ref. Aug. 1950. 100 P381
- 71535 CALIFORNIA. DEPT. OF EMPLOYMENT. FARM PLACEMENT SERV. California annual farm labor report, 1950. Sacramento, 1951. 44 p. 283.9 C1262
- 71536 CANNON, W. Y. Looking ahead for labor. *U. & I Cult.* 11:10. Mar. 1951. 66.8 U12
- For sugar beets.
- 71537 CHATER, S. W. Dangers of minimum wages for native farm workers. (In Afrikaans.) *Primary Prod. [Cape Town]* 27(7):11. Apr. 6, 1951. 281.8 P93
- Union of South Africa.
- 71538 CLARK, C. C. The agricultural labor situation. *Wash. State Hort. Assoc. Proc.* 46:7-8, 10-12. 1950. 81 W273
- 71539 DAVE, S. C. The tappers' earnings. *Tad Gud Khabar* 11(5):3-4. Aug. 1950. 67.8 T12
- Palm sugar.
- 71540 DUBLED, R. La première session de la Commission du Travail dans les plantations a surtout mis en lumière la difficulté d'établir une législation universelle. *Marchés Colon.* 7:1315-1316. May 5, 1951. 286.8 M33
- 71541 DUNCAN, J. F. Farm workers in the North-East 1851-1951. *Scot. Agr.* 31:13-17. Summer 1951. 10 Sco82So
- 71542 FLORES, E. Un millón de braceros ilegales. *Rev. de Econ.* 14:42-43. Mar. 1951. 280.8 R3293
- Mexican labor in the United States.
- 71543 GOEDICKE, Das richtige bauen; ein mittel zur steigerung der arbeitsproduktivität. *Hannoversche Land-u. Forstwirt. Ztg.* 104:131-132. Feb. 10, 1951. 18 H194
- Work management.
- 71544 GUSEINBEKOV. Successful achievements [of grape growers on state farms of Azsovkhoztrest]. (In Russian.) *Vinodel. i Vinograd. SSSR*. 10(11):11-12. Nov. 1950. 95.8 V77
- 71545 ISSLER, A. R. The latest report on the Joads. *Survey* 87:318-321. July 1951. 280.8 C37
- Discusses the findings of the President's Commission on Migratory Labor.
- 71546 JOHNSON, D. G., and NOTTENBURG, M. C. A critical analysis of farm employment estimates. *Amer. Statis. Assoc. J.* 46:191-205. June 1951. 251 Am3
- 71547 KJØNSTAD, O. The wage development in different industries, 1910-1950. (In Norwegian.) *Norway. Statis. Sentralbyrå. Statis. Meddel.* 69:193-201. 1951. 257.2 St2St
- Includes farm and forest labor.
- 71548 KORCIK, W. The wetback story; Mexican laborers are pushed and pulled across the border, only to become the sweatshop workers for our factories-in-the-field. *Commonweal* 54:327-329. July 13, 1951. 280.8 C735
- 71549 LAMB, R. Farm wages are low in France. *Farmer & Stock-Breeder* 65(3216):75-76. June 12, 1951. 10 F228
- 71550 MCLENNAN, L. W., and SAXON, E. A. Rural labour situation; survey in Macintyre Shire, New South Wales. *Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ.* 4:76-78. Apr. 1951. 281.9 Au73
- 71551 MATA LLANA VENTURA, S. La organización del trabajo en las explotaciones agrícolas. *España Agr.* 1951:4-6. Feb. 1951. 335.8 Es6
- 71552 MERCIER, J. Main-d'oeuvre familiale et main-d'oeuvre salariée en agriculture. *Cour. Hort.* 13:143-144. Mar. 1951. 80 C834
- 71553 NILSSEN, O. How the vacation law has regulated the vacation problem. (In Norwegian.) *Norsk Landbr.* 17:237-239. June 22, 1951. 11 N8122
- 71554 PALCA, H., and DAVIES, I. G. R. Earnings and conditions of employment in agriculture. *Roy. Statis. Soc. J. Ser. A, Gen.* 114:50-58. 1951. 251 R81J
- Great Britain.
- 71555 PARKER, J. E. Efficient use of labor on poultry farms. *Eggsaminer* 28(6):10-11, 17, 28. June 1951. 286.85 Eg32
- 71556 PASHAEV, M. SH. At Mutsal-Aul Sovkhoz. (In Russian.) *Vinodel. i Vinograd. SSSR*. 10(11):63-64. Nov. 1950. 95.8 V77
- Chiefly on achievements of grape growers in grape production.
- 71557 RIVERS, F. Poultry unit for 1,000 layers operated by one man. *Farmer's Wk. [Bloemfontein]* 81:47. June 13, 1951. 24 F225
- 71558 SCHWEITZER, O. VON. Mitbestimmung in der landwirtschaft? *Deut. Landwirt. Presse* 74:145. June 2, 1951. 18 D482
- 71559 SHEPARD, N. A. Labor big handicap in shade-grown costs; association [Shade Tobacco Growers Agricultural Association] provides help and publicity. *Tobacco [New York]* 132(26):7-8. June 28, 1951. 286.89 T552
- 71560 STRASZHEIM, R. Farm wage rates are up. *Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers* 1951:3. May 24, 1951. 275.29 In2Em
- 71561 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production and manpower requirements. Washington, 1951. 4 p. 1.941 H22F22
- Farm workers and index of farm output.
- 71562 U. S. EXTENSION SERV. List of publications on the efficient utilization of farm labor. Washington, 1951. 12 p. 1.913 A5L69
- 71563 U. S. RURAL ELECTRIFICATION ADMIN. Guide to management improvement. U. S. D. A. PA-164, 23 p. Apr. 1951. 1 Ag84Pro
- 71564 WINDISCH, K. Aus der kärntner landarbeitsordnung. II. Kärntner Bauer 101:333-334. June 15, 1951. 19 K14
- Labor contracts.
- 71565 WINTERS, R. The labour problem, some suggestions. *Beet Grower* 5:9-11. Apr. 1951. 66.8 B392
- Ireland.
- 71566 ZIMAND, G. F. Little ones still toil. *Amer. Fed.* 58(7):12-15. July 1951. 283.8 Am32
- Includes child labor in agriculture.

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

- 71567 ANDERSON, N. C., JR. Agriculture in the Columbia Basin: Morrow County. *Oreg. Dept. Agr. Agr. B.* 170:5-6. June 1951. 2 Or3
- 71568 ARGENTINA. DIRECCIÓN GENERAL DE FOMENTO AGRÍCOLA. Labor en el año 1949. Argentina. Dir. Gen. de Fomento Agr. B. de Prod. y Fomento Agr. 2(17):19-38. Nov. 1950. 9 Ar35
- 71569 AUGÉ-LARIBÉ, M. La politique agricole de la France de 1880 à 1940. Paris, Presses Universitaires de France, 1950. 483 p. 281.174 Au4P
- 71570 BAGGLI, W. Besonderheiten und wenig beachtete gründe des rückgangs des ackerbaues in der nachkriegszeit. *Grüne* 79:211-218. Feb. 23, 1951. 17 Sch9
- Switzerland.
- 71571 BASKETT, R. G. British agricultural development. *Natl. Farm Inst. Proc.* 13:50-52. 1951. 4 N219
- 71572 BAUMGARTNER, J. Die deutsche agrarpolitik im rahmen der weltwirtschaft. *Landwirt. Jahrb. f. Bayern* 28(spec.no.):8-29. Apr. 1951. 18 L24
- 71573 BECKERICH, A. L'agriculture, reflet de l'évolution économique. *Rustica* 24:626. July 8, 1951. 14 R92
- France.

- 71574 BELL, A. F. The land and water resources of Queensland. *Queensland Agr. J.* 72:187-205. Apr. 1951. 23 Q33
- 71575 BERRE, T. Agricultural problems in mountain areas. (In Norwegian.) *Landbrukstidende* 57:423. May 30, 1951. 11 L236
- 71576 BLACK, J. D. Adjustments in New England agriculture under mobilization. *New Eng. Res. Council Mktg. & Food Supply. Proc.* 1951:5-11. 252.004 N443M
Discussion by A. W. Manchester and G. W. Westcott.
- 71577 BLACK, J. D. The relation of food surpluses to agricultural policy in the United States. *Canad. Agr. Econ. Soc. Proc.* 20:1-14. 1950. 281.9 C16
- 71578 BLANDO, B. B. New horizon for Philippine farmers. *Agr. & Indus. Life* 13(4):23. Apr. 1951. 25 Ag8
- 71579 BOCCALARI, F. Need for a clear economic policy. (In Italian.) *Rinascita Agr.* 6(6):1. Jan. 15, 1951. 281.8 R47
Italian agricultural policy.
- 71580 BOOTH, J. F. L'agriculture canadienne au milieu du siècle. *Terre de Chez Nous* 23(13):4. (To be cont.) May 23, 1951. 7 T27
- 71581 BOVOLO, M. Agraria: agronomia e agricoltura [Agriculture: agronomy and agriculture]. Ed. 5. Torino, Paravia, 1950. 380 p. 33.19 B66
- 71582 BRANNAN, C. F. Defense production guides important for co-ops, too. *Grain Prod. News* 3(11):20. May 1951. 286.81 G764
- 71583 BRIDGER, R. Highland planning reaches the crossroads. *Health & Soil* 1951:21-23. Spring 1951. 56.8 H34
Agricultural policy in relation to the crofter.
- 71584 BUHLE. Sorgen um das tägliche brot. *Land-wirt. Wchnbl. f. Westfalen u. Lippe* 108A:885-886. June 14, 1951. 18 L2346
Surveys problems of agriculture.
- 71585 CAICEDO, H. La agricultura, madre fecunda de las demás industrias. *Rev. Agr. y Ganad.* 13(135):2-3. Apr. 1951. 9.4 R327
- 71586 CASTETTER, E. F., and BELL, W. H. Yuman Indian agriculture; primitive subsistence on the lower Colorado and Gila Rivers. *Albuquerque, 1951.* 274 p. 31.3 C27
- 71587 CAVINA, R. The Baixada Fluminense. (In Portuguese.) *Seleç. Agr.* 6(61):35-36. May 1951. 9.2 Se4
Agricultural.
- 71588 CHAPMAN, P. W. Arkansas, land of opportunity; outgaining the Nation in farm incomes and new industrial jobs; mobilization for development is paying big dividends. *Prog. Farmer, Tex. Ed.* 66(7):18, 83-84. July 1951. 6 T311
- 71589 CLAUSEN, H. Impressions from the voyage in connection with I.F.A.P.'s annual meeting in Mexico, May 29-June 8, 1951. (In Danish.) *Dansk Landbr.* 70:279-280, 294-296. June 21-28, 1951. 280.28 V91
Chiefly on agriculture in Mexico.
- 71590 CODA, T. Protection of crops and products. (In Italian.) *Mondo Agr.* 2(22):3. June 3, 1951. 16 M74
Italy.
- 71591 CONFEDERATION GÉNÉRALE DE L'AGRICULTURE. Guide national de l'agriculture française. Paris, 1950. 345 p. 33.17 C762
- 71592 CRARY, D. D. Recent agricultural developments in Saudi Arabia. *Geog. Rev.* 41:366-383. July 1951. 500 Am35G
- 71593 CURAÇAOS verslag 1947. I. Tekst van het verslag van bestuur en staat van Curaçao over het jaar 1946 [Curaçao report 1947. I. Text of the report on the management and state of Curaçao for the year 1946]. 's-Gravenhage, 1950. 174 p. 259 K83C
Includes agriculture.
- 71594 DAYAL, P. The agricultural regions of Bihar. (Abs.) *Indian Sci. Cong. Proc.* 36(3):119-120. 1949. 513 In22
- 71595 DEUX impératifs pour l'agriculture française, stabilité et rentabilité. *Économie* 7(304,sup.), 8 p. June 7, 1951. 280.8 Ec726
- 71596 EASTERBROOK, L. F. Agricultural production an essential factor in the economic recovery of Europe. (In Italian.) *Cam. di Com. Indus. e Agr. di Milano. Studi e Statis.* 4(3):26-28. Mar. 1951. 280.9 M587B
- 71597 EBERHARD, A. Argentinien, der grosse agrarstaat, die getreide- und fleischkammer Europas. *Grüne* 79:219-220. Feb. 23, 1951. 17 Sch9
- 71598 ELLENDER, A. J. Agriculture, our first line of defense. *Amer. Plant Food Council. J.* 5:4-5, 35-38. Apr./June 1951. 57.8 P692
- 71599 ELSENER, F. Bäuerliches recht aus der praxis der schweizerischen gerichte. *Agrarpolit. Rev.* 7:465-473. June/July 1951. 281.8 Ag824
- 71600 ETIGNY, J. D'. Los campos de Francia. *Agr. del Norte* 40:120-122. July/Aug. 1950. 9.3 So14
Agriculture.
- 71601 ETIGNY, J. D'. Interesantes apuntes sobre el desenvolvimiento agrícola en el valle de Los Pirineos (Francia). *Agr. del Norte* 40:80-81. June 1950. 9.3 So14
- 71602 EVERS, W. Suomi-Finnland, land und volk im hohen Norden. *Stuttgart, Franckh, 1950.* 167 p. (Kleine Länderkunden, Unser Wissen von der Erde) 126 Ev2
Contains a chapter on agriculture.
- 71603 EYGENRAAM, C. C. L. Efforts toward the improvement of Italian agriculture. (In Dutch.) *Landb. Wereldnieuws* 6:347-349. June 2, 1951. 12 L237
- 71604 FERRENAFE invoca ayuda para incrementar su producción agrícola. *Mensajero Agr.* 55/56:7-8, 45. 1950. 9.8 M52
A document addressed to the Peruvian Government by the farmers of Ferreñafe.
- 71605 FOCHLER-HAUKE, G. Probleme der landesplanung in Pakistan. *Z. f. Raumforsch.* 1950:388-389. 282.8 Z3
Agricultural planning.
- 71606 FOSTER, L. R. Agriculture in the Columbia Basin: Hood River County. *Oreg. Dept. Agr. Agr. B.* 170:3-5. June 1951. 2 Or3
- 71607 FOX, J. W. Te Kuiti and the Northern King country: a region of agricultural transition. *New Zeal. Geog.* 6:125-153. Oct. 1950. 331.8 N48
- 71608 FRANCE. DIRECTION DE LA DOCUMENTATION. Le plan décennal pour le développement économique et social du Congo Belge. *France. Dir. de la Doc. Notes et Études Doc.* 1479, 51 p. May 11, 1951. 280.9 F843
Contains a chapter on agricultural development.
- 71609 FREELAND, R. Farmers help build free world; they play a key role in international economy. *Feed Bag* 27(6):71-72. June 1951. 389.78 F32
- 71610 FRIEDMANN, K. J. Netherlands agricultural policies. I. *Foreign Agr.* 15:133-135. June 1951. 1.9 Ec7For
- 71611 FROMONT. Problèmes actuels de l'agriculture de la Tunisie. *Acad. d'Agr. de France. Compt. Rend.* 37:296-303. May 9/16, 1951. 14 P215Bc
- 71612 GALINDO, A. Colombia's 5 year plan. *América* 3(7):3-5, 41-44. July 1951. 150.9 Am34
Includes agriculture.
- 71613 GALVEZ, E. Notas sobre el desenvolvimiento económico del Estado de Hidalgo. *Rev. de Econ.* 14:55-57. Mar. 1951. 280.8 R3293
Includes agriculture.
- 71614 GASSER-STÄGER, W. Entwicklungsnotwendigkeiten in der weltagrarpolitik. *Agrarpolit. Rev.* 7:389-397. May 1951. 281.8 Ag824
- 71615 GIGNOUX. La protection de l'agriculture en Suisse. *Acad. d'Agr. de France. Compt. Rend.* 37:274-278. Apr. 18/25, 1951. 14 P215Bc
- 71616 GLAVIN, J. J. Once again the call goes out to grow more food. *Beet Grower* 5:2-4. Apr. 1951. 66.8 B392
Ireland.
- 71617 GT. BRIT. BOARD OF TRADE. Panama; economic and commercial conditions in Panama. London, 1951. 46 p. (Overseas Econ. Surveys) 254 G79
Includes agriculture.
- 71618 GT. BRIT. CENTRAL OFF. OF INFORMATION. REFERENCE DIV. An economic review of Malaya, 1945-49. London, 1950. 38 p. 280.186 C79E
Includes agriculture and trade.
- 71619 GRIBAUDI, D. Fondamenti di geografia agraria. I. I fattori del paesaggio agrario [Fundamentals of agricultural geography. I. Factors of the agricultural landscape]. Torino, Giappichelli, 1950. 139 p. (Lezioni di Geografia Economica) 278 G87
- 71620 GRONINGER MAATSCHAPPIJ VAN LAND-BOUW. RESUMÉ-COMMISSIE. Résumé of the department reports of the Groningen Agricultural Society on Point III, 1950-1951. (In Dutch.) *Groninger Landtbl.* 29(26):13. June 30, 1951. 12 G892
Point III deals with the improvement of the Groningen landscape, through building, planting, and other programs.
- 71621 GROOTEN, R. Aperçu de la situation de l'agriculture belge en 1950. *Rev. de l'Agr.* 4:553-589. May 1951. 13 R322

- 71622 HARRIS, E. B. Price rationing vs. political rationing. *Feedstuffs* 23(25):34-38. June 23, 1951. 286.81 F322
Includes agricultural regulation.
- 71623 HARTLEY, L. S. Generating business. *Farm Electrification* 5(3):19-20. May/June 1951. 335.8 F224
Agricultural development programs by utilities.
- 71624 HINE, W. G. Australian rural production and export incomes. *Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ.* 4:56-59. Apr. 1951. 281.9 Au73
- 71625 HOBSON, K. Keeping up on the farm outlook. *Wash. State Col. Ext. C.* 195,6 p.-folder. June 30, 1951. 275.29 W27C
Also issued as C. 190,6p.-folder. May 31, 1951.
- 71626 HUNERWADEL, H. B. Glimpses of Ceylon. *Foreign Agr.* 15:127-129. June 1951. 1.9 Ec7For
Agricultural industries and economic conditions.
- 71627 JAKHADE, V. M. Food production in Murbad Taluka. II. Reserve Bank India. B. 5:101-112. Feb. 1951. 284.9 R31B
Agricultural program.
- 71628 JOHNSON, V. W. Agriculture in the Columbia Basin: Umatilla County. *Oreg. Dept. Agr. Agr. B.* 170:7-8. June 1951. 2 Or3
- 71629 KADDERLY, A. M. Food and agriculture in Turkey. *Skagit Co-op Dairyman* 28(10):14-15. June 1951. 280.28 Sk1
- 71630 KERR, J. A. Agriculture in the South Burnett. *Queensland Agr. J.* 72:249-265. May 1951. 23 Q35
- 71631 KIMBLE, G. H. T. Focus on tropical Africa. *Canad. Geog. J.* 43:2-15. July 1951. 470 C162
Includes agriculture.
- 71632 KLINE, A. B. The annual address of the president of the American Farm Bureau Federation before the 31st annual convention of the American Farm Bureau Federation, Chicago, Illinois. Chicago, 1950. 16 p. 280.83 Am33
Agricultural policy.
- 71633 KLOMPE, G. J. Modification of the agricultural policy? (Sum.). (In Dutch.) *Gelders Landbbl.* 14 (26):1. June 30, 1951. 12 G282
- 71634 KUPERUS, G. H. Promotion of industrialization shall not affect the agricultural interests. (In Dutch.) *Plattelands-Post* 7(26):3. June 30, 1951. 12 P69
- 71635 LA SORSA, S. Agricultural characteristics of the Province of Matera. (In Italian.) *Agr. Ital.* 2:146-148. Mar. 15, 1951. 16 Ag822
- 71636 LEHMAN, D. J. Progress report for agriculture. Washington, U. S. D. A., Off. Sec., 1951. 2 p. 1.91 A2L52
Statement at meeting of the New England-New York Inter-Agency Committee at Albany, June 14, 1951.
- 71637 LODGE, J. I have a deep and abiding respect for the farmer. *C. M. P. A. Bulletin* 32(381):6-7. May 1951. 44.9 C768
- 71638 LOPES, A. T. A few comments on the aspects of production in Angola. (In Portuguese.) *Activ. Econ. de Angola* 27:109-120. Jan. 1951. 280.8 Ac82
English summary, p. 146-147.
Includes agriculture.
- 71639 MCCOY, H. B. Agriculture, and the defense production program. *Pacific Coast Nurseryman* 10(3):17. Mar. 1951. 80 P116
- 71640 MCCURDY, R. E., and JOHNSON, H. A. Agricultural possibilities of Alaska's Kenai Peninsula. *Alaska. Agr. Expt. Sta. B.* 13,26 p. Mar. 1951. 100 AL122B
- 71641 MARESCALCHI, A. The Province of Roma and its agricultural future. (In Italian.) *Roma Econ.* 4:324-326. May 1951. 280.8 R66
- 71642 MARKS, L. J. Agriculture in the Columbia Basin: Wheeler County. *Oreg. Dept. Agr. Agr. B.* 170:10-11. June 1951. 2 Or3
- 71643 MARTIN, R. E. The referendum process in the agricultural adjustment programs of the United States. *Agr. Hist.* 25:34-47. Jan. 1951. 30.98 Ag8
- 71644 MIREAULT, G. L'état de notre agriculture. II. *Rev. d'Oka* 25:45-58. Mar./Apr. 1951. 7 Ok1
- 71645 THE MISSISSIPPI story. *Mfr. Rec.* 120(6):65-104. June 1951. 297.8 M31
Includes agriculture.
- 71646 MORRISON, P. C., and LEON, J. Sequent occupance, Turrialba Central District, Costa Rica. *Turrialba* 1:185-198. Ref. Apr. 1951. 8 T86
Includes agriculture.
- 71647 MUNSHI, K. M. New freedom from foreign bread. (Extr.) *Indian Farming* 11:267-269. July 1950. 22 In283
A program of self-sufficiency for India.
- 71648 MURILLO CH., M. M. Importancia de las publicaciones agrícolas en la América Latina. *Rev. de Agr. [San José]* 23:109-110. Apr. 1951. 8 Es1
- 71649 NELSON, E. M. Agriculture in the Columbia Basin: Wasco County. *Oreg. Dept. Agr. Agr. B.* 170:8-10. June 1951. 2 Or3
- 71650 O'LOUGHLIN, S. Bird's-eye view of Belgian agriculture. *Landmark* 8(5):10. May 1951. 281.28 L23
- 71651 ORTIZ G., J. El Valle del Choapa bajo la lente de un agrónomo. *Agr. del Norte* 40:100-105. June 1950. 9.3 So14
Agricultural.
- 71652 PARSONS, F. L. Agriculture in strong position for long pull. *Fed. Reserve Bank Minneapolis. Mon. Rev.* 9th Dist. Agr. & Business Cond. 10:173-174, 179-180. May 31, 1951. 284.8 F31M
- 71653 PEGLION, V. Changes in agriculture and the food processing industry. (In Italian.) *Indus. Ital. delle Conserve* 25:191-195. Nov./Dec. 1950. 389.8 In23
- 71654 PELLEGRIN, P. Les problèmes agricoles en Provence. *Agr. Provençal* 50(1177):2. June 17, 1951. 14 Ag822
- 71655 PENDERS, J. M. A. American agriculture. (In Dutch.) *Landbode* 5(24):12. June 16, 1951. 12 L234
- 71656 PESCE, G. The De Re Rustica of Columella. (In Italian.) *Italia Agr.* 88:249-251. May 1951. 16 It1
- 71657 PEYRONNET, R. L'Algérie et la concurrence agricole méditerranéenne. *Rev. Agr. de l'Afrique du Nord* 49:146-148. Feb. 23, 1951. 80 R326
- 71658 POLEE, A. C. T. Through the country of West Europe. (In Dutch.) *Landbode* 5(24):2. June 16, 1951. 12 L234
Observations on agriculture.
- 71659 POUZET, R. Notre département. In *Confédération Générale de l'Agriculture. Guide national de l'agriculture française*, p. 306, 308. Paris, 1950. 33.17 C762
Agriculture in Sarthe.
- 71660 PRESTIANNI, N. The land transformations; deviations and exaggerations. (In Italian.) *Mondo Agr.* 2(21):1.4. May 27, 1951. 16 M74
Italian agricultural policy.
- 71661 PUGH, B. M. Agriculture in the Cherrapunji-Laitkynsew area of Khasi Hills, Assam. *Allahabad Farmer* 25:56-69. Mar. 1951. 22 AL5
- 71662 PUGLIESE, V. The delegation of authority to the Government and the organization of agriculture. (In Italian.) *Olivicoltura* 6(1):1-2. Jan. 1951. 80 OL42
- 71663 QUEBEC. MINISTÈRE DE L'AGRICULTURE. Rapport du concours du mérite agricole 1950. Quebec, 1950. 206 p. 7 Q3C6
- 71664 RÖHM, H. Die besonderen kennzeichen der amerikanischen landwirtschaft. In *Röhm, H., ed. Amerikanische landwirtschaft*, p. 24-58. Münster, 1950? 281.12 R63
- 71665 ROLLI, A. A new agricultural policy defined by the eighth Senate commission. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 4(42):1-2. June 13, 1951. 281.8 Ag3
- 71666 ROSE, A. J. The Takaka Valley, Northwest Nelson. *New Zeal. Geog.* 6:154-170. Oct. 1950. 331.8 N48
Agricultural.
- 71667 SACCO, P. Agriculture in the Belgian economy. (In Italian.) *Glor. di Agr.* 61:175. June 3, 1951. 16 It1G
- 71668 SAINT-LAURENT, M. La prospérité de l'agriculture n'est pas moins nécessaire que celle de l'industrie. *Terre de Chez Nous* 23(20):5,8. July 11, 1951. 7 T27
Canada.
- 71669 SALVADOR Y ASCASO, J. M. El campo de la historia en la historia del campo. *Saragossa. Câm. Ofic. Sind. Agr. B. Mens.* 35:16. (Cont.) Apr. 1951. 15 Sa7
This installment discusses rural life in the Georgics of Vergil.
- 71670 SANCHEZ, J. J. Paseo rápido por los montes del Sur. *Rev. de Agr. [San José]* 23:119-122. Apr. 1951. 8 Es1
Agricultural observations for Costa Rica.
- 71671 SEGNI. Declarations on the agricultural balance-sheet. (In Italian.) *Glor. di Agr.* 61:206. (Concl.) July 1, 1951. 16 It1G
- 71672 SERAFINI, N. More on movements for the protection of agriculture. (In Italian.) *Agricoltura [Perugia]* 8(11):1. June 1/15, 1951. 281.8 Ag822
Italy.
- 71673 STRICKLAND, R. M. The farm outlook. *Atlantic Co. Vocat. B.* 25, i.e. 30(8):2. May 1951. 6 At62

71674 SULLIVAN, B. P. Costa Rica; economic and commercial conditions in Costa Rica. London, Board of Trade, 1951. 28 p. (Overseas Econ. Surveys) 254 G793

Includes agriculture.

71675 SYMPOSIUM panel—"needed changes in farm programs." Natl. Farm Inst. Proc. 13:62-76. 1951. 4 N219

E. H. Hill, presiding; statements by H. D. Newsom and J. J. Sparkman.

71676 SYMPOSIUM panel—"the economy must remain strong." Natl. Farm Inst. Proc. 13:35-49. 1951. 4 N219

T. W. Schultz, presiding; statements by J. B. Carey and W. Renne.

Discusses need for developing the agriculture of Asia and economic policy of the United States.

71677 TAYLOR, L. B. Materials and facilities for agriculture. Mktg. Activ. 14(3/4):11-16. Mar./Apr. 1951. 1.942 A8M34

Priorities established by the National Production Authority and how they work.

71678 THOMPSON, T. W. Agriculture in the Columbia Basin: Sherman County. Oreg. Dept. Agr. Agr. B. 170:6-7. June 1951. 2 Or3

71679 TORRES HERRERA, J. M. Informe sobre La Guajira. Rev. Nac. de Agr. 44(552):30-35. Apr. 1951. 9.4 R32

Agricultural conditions.

71680 TRAINER, L. R. Mobilizing agriculture. (Sum.) Wholesale Grocer News 26(4):17-18. July 1951. 286.83 W622

71681 TRUJILLO, M. S. El Estado de Veracruz. 2. Tierra [México] 6:369-383. June 1951. 8 T445

Agriculture.

71682 VAUGH, M. Re-designing Indian agriculture. Allahabad Farmer 25:49-55. Mar. 1951. 22 AL5

71683 VOGT, P., ed. Norway to-day; scenery and natural resources, people and history, literature, art and science, travel, sport and exploration, economic life, regional descriptions. Ed. 4, rev. Oslo, Dreyer, 1950. 160 p. 126 V86Ae

Contains a chapter on agriculture.

71684 WALSTROM, J. D. Economic review of Argentina during 1950. Comments Argentine Trade 30(11):14-21, 23, 25, 27, 29. June 1951. 287 C359C

Includes agriculture.

71685 WAUGH, F. V. The role of agriculture in the national economy during the mobilization period. New Eng. Res. Council Mktg. & Food Supply. Proc. 1951:1-4. 252.004 N443M

71686 WEIGT, E. Planungen in Ostafrika. Z. f. Raumforsch. 1950:386-388. 282.8 Z3

Includes agricultural planning.

71687 WESTERMANN, D. H. Der ägyptische Bauer heute und morgen. Z. f. Raumforsch. 1950:385-386. 282.8 Z3

Agriculture.

71688 WHITE, C. L. Chile: nation with the long reach. 2. Pacific Discovery 4(2):22-29. Mar./Apr. 1951. 500 P112

Includes agriculture.

71689 WIELEN, H. G. W. VAN DER. Belgian agriculture. IV. Belgian farmers and their Ministry of Agriculture. (In Dutch.) Overijsselsch Landtbl. 33(1610):4. June 23, 1951. 12 Ov2

Subsidies

71690 GEZONDHEIDSDIENST VOOR DIEREN IN GRONINGEN. Tuberculosis control. (In Dutch.) Groninger Landtbl. 29(23):3-4. June 9, 1951. 12 G892

Subsidies for slaughtering cattle.

71691 SUMMERS, R. E., comp. Subsidies for farmers. New York, Wilson, 1951. 208 p. (The Ref. Shelf, v. 23, No. 1) 284.3 Su6S

COST AND STANDARD OF LIVING

71692 BEAN, L. H. Doubling living standards of Point Four areas. Foreign Agr. 15:130-132. June 1951. 1.9 Ec7For

71693 DUGGAN, I. W. Lift members to better living. News Farmer Coop. 18(3):4. June 1951. 166.2 N47

Members of cooperative organizations.

71694 TESTA, J. Cost of living and cost of production. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 26:199-201. Mar. 1951. 68.29 Sa63

Brazil.

FARM MANAGEMENT AND LAND ECONOMICS

71695 ALL, S. I. Mixed farming in Uttar Pradesh. Indian Farming 11:325-327. Aug. 1950. 22 In283

71696 ASDONK. Das Einkommen unserer Kleinbauernbetriebe. Neue Mitt. f. die Landwirt. 6:393-394. June 16, 1951. 18 N39

Management in Germany.

71697 AUBER, R. Les agriculteurs de la Seine. J. de la France Agr. 7:1580. June 15/21, 1951. 14 J829

Fruit and vegetable farms.

71698 AUBER, R. Les 2.000 agriculteurs de la Seine. J. de la France Agr. 7:1565, 1568. June 8/14, 1951. 14 J829

71699 BAKER, V. W. Community gains from conservation farming. U. S. D. A. PA-146,7 p. May 1951. 1 Ag84Pro

South Tillamook Soil Conservation District, Oregon.

71700 BAY, O. Balanced farming. Natl. Live Stock Prod. 29(10):10, 23. July/Aug. 1951. 280.38 N21

71701 BERNASCONI, G. Share farming crisis. (In Italian.) Mondo Agr. 2(22):5. June 3, 1951. 16 M74

Italy.

71702 BERUBE, B. La clé du succès en agriculture. Terre de Chez Nous 23(12):3. May 16, 1951. 7 T27

71703 BLOBAUM, R. Japanese farming backward, but advancing. Iowa Agr. 50(2):15, 18. May 1951. 6 Io9

71704 BOOTH, J. E. P. The approach to better farming in Nyanza Province. Kenya. Dept. Agr. Annu. Rev. 1950:41-43. 24 K423

71705 BOUMA, G. J. A. The demonstration farm "De Vijf Roeden" at Duiven (Geld.). (In Dutch.) Overijsselsch Landtbl. 33(1605):11. May 19, 1951. 12 Ov2

71706 CALZECCHI-ONESTI, A. Economic aspects of share-farming. (In Italian.) Gior. di Agr. 61:147. May 13, 1951. 16 It1G

Italy.

71707 CAVERT, J. S. A Minnesota farmer works in Sweden. Amer. Swedish Mon. 45(7):12-13, 29. July 1951. 286.8 Sw3

Farming methods and rural life.

71708 CHIOCCI, A. Problems of share farming, past, present, and future. (In Italian.) Mondo Agr. 2(19):5. May 13, 1951. 16 M74

Italy.

71709 CHRIST, J. H. Soil conservation farming in Oregon's wheat counties. Oreg. Dept. Agr. Agr. B. 170:23-25. June 1951. 2 Or3

71710 CLELAND, S. B. How is next generation of farmers ever to get started? Midland Coop. 18(46):1, 6. June 18, 1951. 280.28 M58

71711 CONSTANTINO, M. Pointers to increase a farmer's income. Agr. & Indus. Life 13(4):24. Apr. 1951. 25 Ag8

Philippines.

71712 CYPRUS. LAND REGISTRATION AND SURVEY DEPT. Annual report for the year ended 31st December, 1950. Nicosia, 1951. 7 p. 282.9 C992

71713 DE LA FARGUE, D. Island farm on Jura, off the coast of Scotland, life is primitive, but the land is being cultivated as well as can be. Farmer & Stock-Breeder 65(3216):85. June 12, 1951. 10 F228

71714 DICKS, A. V. R. A balanced approach to farm planning; economic considerations and natural factors finally influence agricultural system followed; fundamental principles underlying soil conservation. Farmer's Wk. [Bloemfontein] 81:10-11, 13, 15. May 9, 1951. 24 F225

South Africa.

71715 DOWSE, R. E. Estate management. Yorkshire Agr. Soc. J. 102:17-22. 1951. 10 Y7

71716 DUCK, R. W. As Maine goes. Rur. New-Yorker 101:442, 444. July 21, 1951. 6 R88

Farming in Maine.

71717 EASTERBROOK, L. F. El mejoramiento de las vacas de leche de Gran Bretaña. Mensajero Agr. 55:56:37-38. 1950. 9.8 M52

Improved management of farms.

71718 ELLIS, H. "Came" and "Crystal Waters"—fine examples of sound land use on Natal farms that won conservation contest; crop rotations and protection of fertility. Farmer's Wk. [Bloemfontein] 81:10-13. May 23, 1951. 24 F225

71719 ELLIS, H. Conservation pays dividends; how crop yields were increased and animal health improved on two Natal prize-winning farms. Farmer's Wk. [Bloemfontein] 81:10-11, 13. June 13, 1951. 24 F225

- 71720 FORREST, R. L. Trial and error. *Gt. Brit. Min. Agr. Agriculture* 58:119-122. June 1951. 10 G79J
Management of a farm in Berwickshire.
- 71721 FRASER, D. E. Wheat is the backbone. *Farmer & Stock-Breeder* 65(3218):97-99. June 26, 1951. 10 F228
Systems of farming in Cambridgeshire.
- 71722 GARNAUD, J. C. La modernisation gagne la campagne française. *B. des Agr.* 47(6):12-13, 51-52. June 1951. 7 B872
- 71723 GUNSTON, J. Putting the land first; success came after others had failed to a man who combined new ideas with age-old principles. *Field* 197:953-954. June 16, 1951. 10 F45
Management of a farm in Great Britain.
- 71724 HAUGER, R. L. Conservation on his mind. *Soil Conserv.* 16:283-284. July 1951. 1.6 So3S
Conservation farming in Texas.
- 71725 HEADY, E. O. Economic aspects of forage production. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. *Forages*, p. 27-37. Ames, 1951. 60 H87
- 71726 HEUSER, O. E. Auch das schaf kann die betriebsintensität steigern! *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:852-853. June 7, 1951. 18 L2346
- 71727 HOLTZE, K. Leitfaden für junge landwirte. Hannover, Landbuch-Verlag, 1950. 290 p. (Was du Wissen Musst) 33.27 H743
- 71728 HOSKINS, W. G. The Leicestershire farmer in the seventeenth century. *Agr. Hist.* 25:9-20. Jan. 1951. 30.98 Ag8
- 71729 IAKUSHKIN, I. V. Agrotechnical problems of the agricultural year 1951. (In Russian.) *Sovet. Agron.* 9(3):3-18. Mar. 1951. 20 So84
Farm management.
- 71730 INFELD, H. F. Co-operative farming. In Horace Plunkett Foundation. *Year book of agricultural co-operation*, 1951, p. 55-69. Oxford, 1951. 280.29 H78
- 71731 JOHNSON, H. D. You don't say 'Whoa' in Finland. *Kan. Agr. Student* 27(4):6-7. May 1951. 276.8 K13
Farming.
- 71732 KRISHNASWAMY, O. R. Co-operative farming. II. Madras J. Co-op. 42:537-542. Apr. 1951. 280.28 M26
Palestine and India.
- 71733 KUIPER, W. On the "Wielzicht" experimental farm at Ripperkerk. VI. (In Dutch.) *Friesch Landbbl.* 48:268. Apr. 20, 1951. 12 F91
- 71734 LECKIE, H. K. Design of an effective farm management research program. *Canad. Agr. Econ. Soc. Proc.* 20:128-137. 1950. 281.9 C16
- 71735 MARSDEN, L. E. Public-land lines on topographic maps. *Surveying & Mapping* 11:107-115. Apr./June 1951. 325.8 Am3
- 71736 MOORE, C. A. Alaska farms; organization and practices in 1949. *Alaska. Agr. Expt. Sta. Mimeog. C. 1*, 55 p. Mar. 1951. 100 AL122M
- 71737 NEW SOUTH WALES. DEPT. OF LANDS. Seventieth report being for the year ended 30th June, 1949 and report by the Western Lands Commissioner for the same period. Sydney, 1950. 39 p. 271.1 L22R
- 71738 NORDENBORG, M. O. Lilla jordbruksboken [The little farm book]. Stockholm, LT's Förlag, 1950. 292 p. 33.11 N752L
- 71739 NORGES LANDBRUKSÖKONOMISKE INSTITUTT. Driftsgranskinger i jordbruket. Regnskapsresultater 1949-50 [Farm management studies. Results of accounts 1949-50]. I. Halden, 1951. 113 p. 11 N762
Table of contents and summary in English.
- 71740 PESATA, H. Und nochmals die maschinenhöfe. *Burgenländische Bauernbündler* 4(14):3. June 25, 1951. 19 B91
- 71741 POWERS, W. J. We must increase our yields per acre if we want to remain in farming. *Atlantic Co. Vocat. B.* 25, l.e. 30(6):1-2; (7):2-3; (8):3-4. Mar.-May 1951. 6 At62
- 71742 REED, F. D. The business end of poultry keeping. *Maine Poultry Impr. Assoc. [Ybk.]* 1951:15, 17. 47.9 M282
- 71743 SCHMAH. Grundlagen für einen betriebsvergleich in einer gemeinde im Münsterland. I. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:855-856. June 7, 1951. 18 L2346
- 71744 SCOLA, P. M. Types of farming in the North-East. *Scot. Agr.* 31:39-42. Summer 1951. 10 Sco82So
In Scotland.
- 71745 SHULTIS, A. Farming in California. *Calif. Agr. Col. Ext. C.* 173, 50 p. May 1951. 275.29 C12C
- 71746 SILLOCK, K. M. Planning the dairy farm. *Austral. Dairy Rev.* 19(4):10. Apr. 2, 1951. 44.8 Au73
- 71747 SOUTH AUSTRALIA. DEPT. OF LANDS. Annual report, 1949-1950. Adelaide, 1950. 91 p. 23 So82
Includes land settlement data.
- 71748 STEBBINS, G. H. Problems of the young would-be farmer. II. *Conn. Farmer* 6:9, 33. June 1951. 6 C763
- 71749 STEDEN, A. Die landwirtschaftlichen betriebsformen der bundesländer Oberösterreich, Salzburg, Tirol und Vorarlberg. *Bodenkultur* 5:17-36. 1951. 19 B635
- 71750 STORRAR, A. Farm planning. *Kenya. Dept. Agr. Annu. Rev.* 1950:34-40. 24 K423
- 71751 STUBBLEFIELD, L. H. Cotton and floods to beef and grass. *Breeder-Stockman* 13(2):36-37. July 1951. 49 V81
Mississippi.
- 71752 TAYLOR, F. J. Brains are his farm supports. *Nation's Business* 39(7):43-45, 74-75. July 1951. 286.8 N212
Farm management in California.
- 71753 TIPTON, B. Texas' top conservation farmer for 1951. *Acco Press* 29(6):1-6. June 1951. 6 Ac2
- 71754 TURK, K. L. Cornell expert finds modern farm practices lacking in France, Italy. *Dairymen's League News* 35(14):1, 6, 15, 17. July 10, 1951. 44.8 D1432
- 71755 UNION OF SOUTH AFRICA. DEPT. OF AGRICULTURE. DIV. OF ECONOMICS AND MARKETS. Agro-ekonomiese opname. IV. (Gemengde boerderystreke oos van die Drakensbergskeiding) [Agro-economic survey. (Mixed farming east of the Drakenberg Mountains)]. Union So. Africa. Dept. van Landb. Pam. 309, 118 p. 1951. 24 So84Pd
- 71756 U. S. DEPT. OF LABOR. Occupational outlook handbook; employment information on major occupations for use in guidance. U. S. Dept. of Labor. B. 998, 574 p. 1951. 158.6 B87
U. S. Veterans Administration, cooperating.
Includes agricultural occupations.
- 71757 VANCE, B. F. The businessman and the farm programs. *West Tex. Today* 32(4):15, 26. June 1951. 286.8 W522
Agricultural Conservation Program.
- 71758 WERBA, K. Betriebswirtschaftliche probleme und existenzfragen der bauernwirtschaft. *Landwirt. Jahrb. f. Bayern* 28(spec.no.):158-167. Apr. 1951. 18 L24
- 71759 WESTERMARCK, N. Profitable small-scale farming. (In Swedish.) *Växt-Narings-Nytt* 7(3):2-4. 1951. 57.8 V47
- 71760 WHATMAN, C. P. Intensive mixed farming on a Mid-Canterbury farm. *New Zeal. J. Agr.* 82:388-390. May 1951. 23 N48J
- 71761 WHITTEN, N. K. Training in better farming. *Kenya. Dept. Agr. Annu. Rev.* 1950:80-82. 24 K423
Demonstration farming.
- 71762 WILT, H. S. Father-and-son farming agreements in south central Michigan. *Mich. Agr. Expt. Sta. Q. B.* 33:388-400. May 1951. 100 M58S

Bookkeeping and Records

- 71763 BÉGIN, J. Une ferme sans comptabilité est comme une horloge sans aiguilles. *Terre de Chez Nous* 23(16):16, 23. June 13, 1951. 7 T27
- 71764 HAAN, J. DE. Boekhouden voor administratieve land- en tuinbouw cursussen en landbouwscholen [Book-keeping for courses in agricultural and horticultural administration and agricultural schools]. Ed. 2. Zwolle, Tjeenk Willink, 1951. 123 p. (Have also Uitwerkingen (Antwoorden) 2. druk. 94 p.) 30.6 H11
- 71765 KREMnitz, H. J. Beobachtungen einer bäuerlichen buchstelle. *Württemb. Wchnbl. f. Landwirt.* 118:488. June 16, 1951. 18 W96
- 71766 LENSI, G. A little accounting for the farm. (In Italian.) *Terra e Sole* 1951:234-236. June 1951. 16 T273
- 71767 WASHINGTON. STATE COLLEGE. EXTENSION. SERV. Farm record analysis, northeastern Washington counties, 1950. Wash. State Col. Ext. Mimeog. 1047, 2 p. 1951? 275.29 W27Mi
- 71768 WASHINGTON. STATE COLLEGE. EXTENSION. SERV. Farm record analysis, southwestern Washington counties, 1950. Wash. State Col. Ext. Mimeog. 1045, 2 p. 1951? 275.29 W27Mi
- 71769 WASHINGTON. STATE COLLEGE. EXTENSION. SERV. Farm record analysis, west central Washington counties, 1950. Wash. State Col. Ext. Mimeog. 1025, 2 p. 1951? 275.29 W27Mi

Costs and Returns

- 71770 BRATTON, C. A. Livingston County young farmers balance their 1950 farm accounts. N. Y. Agr. Col. A. E. 776,13 p. May 1951. 281.9 C81
Costs and returns.
- 71771 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fourth annual summary of the San Joaquin County poultry management study, by B. B. Burlingame and W. C. Fleming. Berkeley, 1951. 8 p. 275.29 C12En
Chiefly costs and returns.
- 71772 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fresno County turkey meat study 1950, by R. Houck and B. B. Burlingame. Berkeley? 1951. 7 p. 275.29 C12En
- 71773 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Humboldt County dairy management study, 1950, by A. Shultz and H. B. Tucker. Berkeley, 1951. 8 p. 275.29 C12En
Chiefly costs and returns.
- 71774 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 avocado management study, San Diego County, by W. Sullivan. Berkeley? 1951? 7 p. 275.29 C12En
Costs and returns.
- 71775 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Poultry meat production study, San Diego County wire versus litter management, by R. H. Adolph. Berkeley? 1951. 3 p. 275.29 C12En
Production costs.
- 71776 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Stanislaus County tomato cost of production and management study. Berkeley? 1951? 6 p. 275.29 C12En
- 71777 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Thirteenth Sutter [County] canning peach management study, 1950. Berkeley? 1951? 12 p. 275.29 C12En
Includes costs and returns.
- 71778 FLØYSTAD, G. Two calves provide a solution to a current problem. (In Norwegian.) Produsenten 19: 7. May 1951. 11 P94
Cost and returns.
- 71779 FOLLEY, R. R. W. Economics of a fruit farm; a guide to the costs of establishment and operation of commercial apple orchards. London, Oxford U. Press, 1951. 103 p. 281.393 F72
Issued by Oxford University Agricultural Economics Research Institute.
- 71780 FOSTER, C. This report indicates that profit is down to 1s. 9d. a bird. Poultry [London] 109:9. July 3, 1951. 47.8 P869
- 71781 GOSWAMI, B. K. Accounts of a farm cultivated by bullocks and tractor in Ambala District. East Punjab. Bd. Econ. Inq. P. 9,28 p. 1950. 281.9 Ea72
Costs and returns.
- 71782 GROGAN, F. O. Papuan rubber industry; survey of costs of production. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 4:69-72. Apr. 1951. 281.9 Au73
- 71783 HILLER, A. Apples picked about twice as fast from the ground as from ladders. Sci. Farmer [Pa. Sta.] 1951:4. Mar. 1951. 100 P381
Includes cost data.
- 71784 HOLE, E., and BONDURANT, J. H. Farm costs and returns, 1950, with comparisons, commercial family-operated tobacco-livestock farms, Bluegrass area of Kentucky. U. S. Bur. Agr. Econ. F. M. 83,5 p. May 1951. 1.941 L6F22
- 71785 KAHSNITZ. Schwankungen von 100 proz. und mehr bei den milcherzeugungskosten. Unser Milchvieh 3(6):1-2. In Molk.-Ztg. 5(23). June 7, 1951. 44.8 M735
- 71786 LECLERC, M. La comptabilité du prix de revient dans l'industrie laitière. Québec Lait. 10(5):30-33. May 1951. 44.8 Q3
- 71787 LEEDS. UNIVERSITY. DEPT. OF AGRICULTURE. ECONOMICS SECT. Costs of growing winter wheat in two districts of Yorkshire, 1949/50. I. Costs up to and including harvesting. Leeds U. Farmers' Rpt. 96, 17 p. Mar. 1951. 281.9 L51
- 71788 LETTY, M. S. We can make 3L. 6s. a month from 1,000 hens. (In Afrikaans.) S. A. P. A. Poultry B. 15(157,i.e.158):17. Nov. 1950. 47.8 So89
- 71789 LIVERSAGE, V. Potatoes don't use electricity. Farmers Wk. [London] 35:67,69. July 6, 1951. 10 F2226
Costs and returns in Great Britain.
- 71790 LLINAS, J. N. Los cultivos de algodón y de café no enriquecen a los campesinos. Rev. Agr. y Ganad. 13(134):18-19. Mar. 1951. 9.4 R327
Colombia.
- 71791 MARX, R. E., and BIRKHEAD, J. W. Hay harvesting methods and costs. U. S. D. A. C. 868,122 p. June 1951. 1 Ag84C
- 71792 MORRIS, S. T., and LUXTON, H. W. B. An economic and financial survey of farming in the South West of England; a comparative study of nine type of farming groups comprising 210 farms in the counties of Cornwall, Devon and Dorset, 1948/49 and 1949/50. Bristol. U. Dept. Econ. Rpt. 64,67 p. Apr. 1951. 281.9 Se1
Costs and returns.
- 71793 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Cost of growing potatoes in Northern Ireland, 1949 crop. North. Ireland. Min. Agr. Mon. Rpt. 26:11-14. May 1951. 256.13 Ag82M
- 71794 PARCHER, L. A., and HINRICHS, H. Evaluating native pecan trees. Okla. Agr. Expt. Sta. Mimeog. C. 217,6 p. Mar. 1951. 100 Ok4M
- 71795 PARSONS, M. S. When should you cull your low-producing cows. Agr. Situation 35(6):9-10. June 1951. 1 Ec7Ag
Costs and returns.
- 71796 RODINO, M. Costs and prices in agriculture. (In Italian.) Rinascita Agr. 6(4):1. Dec. 15, 1950. 281.8 R47
Italy.
- 71797 SCHULZE, J. F. W. Measures of efficiency in Massachusetts broiler production. Va. Agr. Col. Ext. Va. Farm Econ. 127:10-13. May 1951. 275.29 V813
Costs and management.
- 71798 SCOVILLE, G. P. Fruit farms analyzed, 1949; 50 Hudson Valley farms, Ulster and Orange Counties, N. Y.; 74 western New York farms, Niagara County, N. Y. N. Y. Agr. Col. A. E. 767,45 p. July 1, 1951. 281.9 C81
Costs and returns.
- 71799 SHERWIN, R. A. Tasmanian potato industry; survey of production costs and trends. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 4:60-63. Apr. 1951. 281.9 Au73
- 71800 TOMLINSON, F. R. Ekonomiese ondersoek van varsmelkboerdery in Natal, 1947-48 [Economic investigation of fresh milk farming in Natal, 1947-48]. Union So. Africa. Dept. van Landb. Pam. 314,67 p. 1951. 24 So84Pd
- 71801 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm costs and returns, 1950 with comparisons, 16 commercial family-operated farms in 8 major farming regions. U. S. Bur. Agr. Econ. F. M. 82,18 p. May 1951. 1.941 L6722
- 71802 VIEIRA, G. V. N. Interest in the raising of sheep. (In Portuguese.) Fed. das Assoc. Rur. do R. G. do Sul. B. 11(95):2-4. Feb. 1951. 9.2 F31
Costs and returns in Brazil.
- 71803 WALDHAUSL, F. Betriebsergebnisse der österreichischen landwirtschaft seit dem kriege. Bodenkultur 5:1-16. 1951. 19 B635
Costs and returns.

Land Settlement and Colonization

- 71804 EHRENFORTH, W. Das recht der siedlung und bodenreform. München, C. H. Beck, 1950. unpagged. 282.175 Eh8
- 71805 ERICSSON, S. Nuestro Oriente como campo de inmigración. II. Mensajero Agr. 53/54:27-28. 1950. 9.8 M52
Agricultural settlement in Peru.
- 71806 ESHKOL, L. Mass settlement in Israel. Agr. & Indus. Life 13(5):14. May 1951. 25 Ag8
- 71807 FRANCISCO, D. L. The family homesteads. Agr. & Indus. Life 13(4):2-3,22. Apr. 1951. 25 Ag8
Philippines.
- 71808 FROMONT. L'installation d'exploitants agricoles hollandais en France. Acad. d'Agr. de France. Compt. Rend. 37:281-287. Apr. 18/25, 1951. 14 P215Bc
- 71809 JUST, O. Brasil som invandringsland [Brazil as a country to emigrate to]. Bergen, Chr. Michelsens Institutt for Videnskap og Åndsfrihet, 1950. 31 p. (Tidens Ekko. 1950, nr. 4) 282.2 J98
- 71810 LAND SETTLEMENT ASSOCIATION LIMITED. Smallholdings organised on the basis of centralised services; review for the years 1945-50 and accounts for 1949-50. London, 1951. 51 p. 282.29 L23A
- 71811 QUEENSLAND BUR. OF INDUSTRY. Land settlement in Queensland. Queensland. Bur. Indus. Econ. News 19(7/8):1-8. July/Aug. 1950. 280.9 Q34
- 71812 RAASCHOU, C. A new piece of Denmark. (In Danish.) Andelsbladet 52:793-794. July 5, 1951. 280.28 An2
New farms.

71813 STEINSVIK, K. "The Hustad plans." (In Norwegian.) Norsk Pelsdyrbt. 25:281-283. June 5, 1951. 412.628 N812
Clearing of land for farms.

Land Tenure

71814 ALBANESE, F. Considerations on the agrarian reform. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(42):6-7. June 13, 1951. 281.8 Ag3

71815 ARTHUR, I. W. Which farm lease for you? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 5:183-184. June 1951. 275.28 I694

71816 BANDINI, M. Criteria for the subdivision into lots of land expropriated under the reform. (In Italian.) Agr. Ital. 2:239-241. May 1/15, 1951. 16 Ag822

71817 BLACHEZ, P. R. La propriété de la terre et les dernières réformes agraires en Europe. Agr. Prat. 115:297-298. (Cont.) June 1951. 14 J82

71818 BOAGA, G. Analytical research on the distribution of land in Italy. (In Italian.) Riv. del Catasto e del Serv. Tec. Erariali (n.s.) 5:266-283. Ref. 1950. 280.8 R523

71819 CARIBBEAN COMMISSION. CENTRAL SECRETARIAT. Land tenure in the Caribbean. Caribbean Econ. Rev. 2(2):1-124. Nov. 1950. 280.8 C192

In addition to tenure problems, includes chapters on labor, indebtedness, land settlement, rural welfare organizations, cooperative farming, credit, and taxation.

71820 CHANG, C. M. Mao's stratagem of land reform. Foreign Aff. 29:550-563. July 1951. 280.8 F76

71821 CHINI, A. The reform of agricultural leases. (In Italian.) Mezzogiorno Agr. 7(19):1-2. May 13/19, 1951. 16 M57

71822 COMPAGNA, F. The agrarian reform in Ionian and Sila Calabria. (In Italian.) Mondo Econ. 6(19):5. May 19, 1951. 280.8 M742

71823 COSENTINO, S. The agrarian reform. (In Italian.) Cam. di Com. Indus. e Agr. Parl. B. (n.s.) 35(5):3-5. May 1951. 287 B232

71824 DIASPARRO, F. A case of violation of division of authority in the "expropriation" law. (In Italian.) Mondo Agr. 2(21):3. May 27, 1951. 16 M74
Italian land reform.

71825 FAMULARO, N. Necessary integrations in the "expropriation" law. (In Italian.) Mondo Agr. 2(20):4. May 20, 1951. 16 M74
Italian land reform.

71826 FELICE, P. DE. Vers de nouvelles modalités du droit de reprise. Nord. Agr. 7(28):7. May 11, 1951. 14 N75

Leases in France.
71827 GATES, P. W. The struggle for land and the "Irrepressible conflict." Polit. Sci. Q. 66:248-271. June 1951. 280.8 P75
Historical.

71828 GHOSH, A. A note on the size of marginal and economic holdings in Bengal. (Abs.) Indian Sci. Cong. Proc. 36(3):11. 1949. 513 I22

71829 HARRIS, M., and HILL, E. B. Family farm-transfer arrangements. Ill. Agr. Col. Ext. C. 680,39 p. Apr. 1951. 275.29 IL62C

71830 HARRY, H. Der ersparnisbeitrag zur förderung der privatwald- und güterzusammenlegungen. Schweiz. Z. f. Forstw. 102:216-221. Apr. 1951. 99.8 J82

71831 HARVEY, N. The last of the Open Fields. Farmer & Stock-Breeder 65(3215):86. June 5, 1951. 10 F228

System of farming designed by the Saxons.

71832 HERNÁNDEZ RAMOS, J. Las heredades de aguas de Gran Canaria. I. Porqué y cómo nacieron. Agricultura [Madrid] 20:160-167. Apr. 1951. 15 Ag84
Land tenure problems.

71833 HILL, E. B. Farm and field rental agreements. Mich. State Col. Agr. Ext. Folder F-156,15 p. Apr. 1951. 275.29 M58Ex

71834 HO, F. L. The land problem of China. Amer. Acad. Polit. & Social Sci. Ann. 276:6-11. July 1951. 280.9 Am34

Includes land utilization and distribution.

71835 HOWALD, O. Die volkswirtschaftliche und betriebswirtschaftliche bedeutung der güterzusammenlegungen. Agrarpolit. Rev. 7:398-407. May 1951. 281.8 Ag824
Switzerland.

71836 HRABALL, A. Anerbenrecht. Kärntner Bauer 101:332-333. June 15, 1951. 19 K14
For farms.

71837 ILLNER, F. Die flurbereinigung in Bayern. Bayern in Zahlen 5:168-170. Apr. 1951. 265 B34
Statistics.

71838 IOWA farm rentals study. Rur. Realtor 3(2):6-7. Second Q. 1951. 282.8 R88

71839 JONES, T. B. By the rivers of Babylon sat we down. Agr. Hist. 25:1-9. Jan. 1951. 30.98 Ag8
Land tenure and real estate operations.

71840 KÜHNER, M. Feldbereinigung oder raumgestaltung besonders bei grossgemarkungen? Z. f. Raumforsch. 1950:342-348. 282.8 Z3
Germany.

71841 LAWRENCE, E. P. George's remedies for Britain's land problems. Amer. J. Econ. & Sociol. 10:357-370. July 1951. 280.8 Am393

71842 MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION DIV. Crop and livestock share farm lease. Mich. State Col. Agr. Ext. Folder F-160,10 p. n.d. 275.29 M58Ex

71843 MITCHELL, J. C. Preliminary notes on land tenure and agriculture among the Machinga Yao. Rhodes-Livingstone J. 10:1-13. 1950. 280.9 R34R

71844 MURPHY, D. Make your lease fit your farm. Iowa Bur. Farmer 15(7):10-12. July 1951. 275.293 Iowa

71845 MYERS, M. Will your farm or ranch stay in the family? Mont. Farmer-Stockman 38(20):17. June 15, 1951. 6 M764

71846 NEUMAYR, L. Anerbenrecht und steuerfreiheit. Landwirtschaft 1951:187-188. June/July 1951. 19 L235
Austria.

71847 PAGANI, A. The agrarian reform. (In Italian.) Mondo Agr. 2(20):3. May 20, 1951. 16 M74
Italy.

71848 PARRI, E. Directions in the agrarian reform. (In Italian.) Lotte Contadine 1(4/5,sup.), 3 p. Sept. 5, 1950. 16 L91
Italy.

71849 PONTICELLI, F. Provisions urged for applying the agrarian reform to the territories. (In Italian.) Mondo Agr. 2(19):3. May 13, 1951. 16 M74
Italy.

71850 PUGLIESE, V. Contradictions. (In Italian.) Gior. di Agr. 61:155-156. May 20, 1951. 16 It1G
Italian land reform.

71851 SERPIERI, A. Struggle for the land. (In Italian.) Mondo Agr. 2(21):1. May 27, 1951. 16 M74

71852 WALLACE, A. F. Problems of the landed proprietor. Scot. Agr. 31:6-9. Summer 1951. 10 Sco82So

In Scotland.

71853 WONTNER, J. J. A guide to land registry practice. Ed. 6. London, Solicitors' Law Stationery Soc., 1951. 196 p. 282.171 W84

71854 ZOPFFY, F. Gemeindefreie gebiete in Bayern; ergebnisse am rande der volkzählung 1950. Bayern in Zahlen 5:107-108. Mar. 1951. 265 B34

Land Utilization

71855 ASHBY, A. W., and BRITTON, D. K. Britain's "marginal" land. 1. Marginal conditions in agriculture. Scot. Agr. 31:9-13. Summer 1951. 10 Sco82So

71856 BASU, J. K., and PURANIK, N. B. A pattern of land-use planning in the dry areas of the Bombay State. Natl. Inst. Sci. India. Proc. 16:481-487. Nov./Dec. 1950. 513 N212

71857 BAVARIA. STATISTISCHES LANDESAMT. Landwirtschaftliche betriebszählung vom 22. mai 1949; die bodenbewirtschaftung in Bayern, band I. Bayer. Statis. Landesamt. Beitr. z. Statis. Bayerns 156a,425 p. Dec. 1950. 265 B32S

Land utilization and area statistics.

71858 CRESWICK, W. J. P. Use of aerial photographs in land classification. Canad. Agr. Econ. Soc. Proc. 20:124-127. 1950. 281.9 C16

71859 FRYMAN, L. R., and NEVENS, W. B. Factors influencing the amounts of land needed to produce roughage for dairy cattle in north-eastern Illinois. J. Dairy Sci. 34:577-582. June 1951. 44.8 J822

71860 PETERSON, A. W. A method of studying land resources as background for improving their use. Conserv. Amer. 9:17-18. Apr. 1951. 279.8 C767

71861 PHILLIPS, J. Land survey in the East African Groundnut Scheme. Nature [London] 167:879-880. June 2, 1951. 472 N21

71862 SMITH, E. J. In spite of the weather. Farmers Wk. [London] 34(24):49,51. June 15, 1951. 10 F2226
Restoring neglected heavy clay-land to production in Essex.

71863 STAMP, L. D. The world land use survey. Nature [London] 167:1010-1011. June 23, 1951. 472 N21

71864 TEMPANY, SIR H. L'utilisation des terres dans les colonies. Rev. Colon. Belge 6:239-241. Apr. 1, 1951. 110 R324

British colonies.
71865 U. S. SOIL CONSERVATION SERV. SOUTH-WEST REGION. Conservation needs, compilation of data. Albuquerque? 1951. 13 p. 1.9608 Ad6C76
Land utilization and land tenure data.

Land Values and Valuation

71866 MASON, O. E. Selling ranches through use of colored slides. Rur. Realtor 3(2):1,3. Second Q. 1951. 282.8 R88

71867 PAARLBERG, D. Farm land values are still rising. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers 1951:1-3. May 24, 1951. 275.29 In2Em

POPULATION

71868 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Data on urban and rural population in recent censuses. United Nations. Sec. Dept. Social Aff. Population Div. Population Studies 8, 27 p. July 1950. 251 Un357P

The Population Division and the Statistical Office of the United Nations cooperating.

71869 FROMONT, P. L'agriculture et le problème démographique. Soc. des Agr. d'Algérie. B. 94:99-106. 1950/51. 24 So1

71870 MATAILLANA VENTURA, S. Los pueblos vacíos. España Agr. 1950:5-6. June 1950. 335.8 Es6
Rural exodus.

71871 ROBERGE, L. Ils sont venus voir le pays de l'avenir. B. des Agr. 47(6):10-11,52. June 1951. 7 B872

Canadian immigration.

71872 TURKEY. OFF. CENTRAL DE STATISTIQUE. 21 ekim 1945, genel nüfus sayımı; recensement général de la population du 21 octobre 1945. Turkey. Off. Cent. de Statis. P. sup., 286,342 p. 1950. 269.9 St2

Includes statistics for the agricultural population.

71873 VANDIVER, J. S. Some population trends in the more rural States, 1940-1950. Rur. Sociol. 16:154-163. June 1951. 281.28 R88

71874 WIELEN, H. G. W. V. D. Belgian agriculture. II. Agriculture and industry. (In Dutch.) Drents Landbbl. 32(23):3. June 9, 1951. 12 D812

Population engaged in agriculture and degree of industrialization.

Also in Gelders Landbbl. 14(23):3. June 9, 1951.

12 G282; Groninger Landbbl. 29(23):5. June 9,

1951. 12 G892; Landbode 5(23):3. June 9, 1951.

12 L234

RURAL SOCIAL ORGANIZATION

71875 GILLIN, J., and MURPHY, E. J. Notes on southern culture patterns. Social Forces 29:422-432. May 1951. 280.8 J823

Includes farming and rural communities.

71876 LABARCA HUBERTSON, A. Apuntes para estudiar la clase media en Chile. Unión Panamer. Ofic. de Cien. Sociales. Mater. para el Estud. de la Cl. Media. en la Amér. Latina 6:68-89. 1951. 150.91 M41

Includes rural population.

71877 RÖHM, H. Die bedeutung der agrarsoziologie im rahmen der ländlichen wirtschafts- und sozialwissenschaften (social sciences). In Röhm, H., ed. Amerikanische landwirtschaft, p. 322-341. Münster, 1950? 281.12 R63

71878 SMITH, T. L. Next steps in rural sociological research in the South. Rur. Sociol. 16:118-126. June 1951. 281.28 R88

71879 SMITH, T. L. Observations on the middle classes in Colombia. Unión Panamer. Ofic. de Cien. Sociales. Mater. para el Estud. de la Cl. Media. en la Amér. Latina 6:1-14. 1951. 150.91 M41

Includes discussion of the rural population.

71880 TERRA, G. J. A. Further ethnological affinities in Indonesian agriculture. Chron. Nat. 106:463-466. Dec. 1950. 514 B31

Human Ecology

71881 BRUNNER, E. DE S. Village growth 1940-50. Rur. Sociol. 16:111-118. June 1951. 281.28 R88

71882 FOCHLER-HAUKE, G. Raumforschung und landesplanung in Argentinien. Z. f. Raumforsch. 1950: 376-380. 282.8 Z3

71883 GERLING, W. Technische erscheinungen und vorgänge als probleme der modernen wirtschaftsgeographie und landesplanung. Z. f. Raumforsch. 1950:333-336. 282.8 Z3

71884 GUTERSOHN, H. Die landesplanung an der Eidgenössischen Technischen Hochschule in Zürich. Z. f. Raumforsch. 1950:357-358. 282.8 Z3

71885 MCKINNEY, J. Birth of a new movement. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(7):16,78. July 1951. 6 P945K

Community improvement contests in Tennessee.

71886 MÄDING, E. Der landespflegeplan, voraussetzung und ergänzung des raumordnungsplanes. Z. f. Raumforsch. 1950:349-353. 282.8 Z3

Germany.

71887 MARTIN, R. Rose Valley proved good neighborhood can become a better place in which to live. Farmer-Stockman 54(7):10,14. July 1951. 6 Ok45

Awarded first prize in the Rural Neighborhood Progress Contest in Oklahoma.

71888 MEURMAN, O. I. Landesplanung in Finnland. Z. f. Raumforsch. 1950:361-362. 282.8 Z3

71889 PIERSON, D., and others. Cruz das Almas, a Brazilian village. Smithsn. Inst. Social Anthropol. P. 12,226 p. 1951. 446.9 Sm6

L. Cruz, M. B. Lopes, H. B. Pierson, C. B. Teixeira, joint authors.

Includes agriculture.

71890 U. S. EXTENSION SERV. Community improvement organization type of program in the Southern States; some results and methods. Washington, 1951. 4 p. 1.913 A5C73

71891 VRIES, U. DE. Something on improvement plans. (In Dutch.) Landbode 5(23):11. June 9, 1951. 12 L234

Community planning and land utilization.

71892 WELTON, K. Demonstrating value of group planning. Soil Conserv. 16:260-262. June 1951. 1.6 So3S

Institutions

71893 AGUADO SMOLINSKI, J. La feria nacional del campo y el progreso de la agricultura. España Agr. 1950: 6-7. Apr. 1950. 335.8 Es6

71894 AHALT, A. M. School farms in the North Atlantic region. Agr. Educ. Mag. 24:14-15. July 1951. 275.8 Ag8

71895 ANDREWS, S. Needs of foreign countries for U. S. men trained in agriculture. Washington, U. S. Off. Foreign Agr. Relat., 1951. 10 p. 1.943 An2

Summary of remarks before the "Greater Issues"

Group, Texas A. & M. College, May 16, 1951.

71896 ASHCRAFT, C. L. Rural mail—ways you can help. Sowest. Crop & Stock 5(5):22-23. May 1951. 6 So8942

71897 AUVIL, G. Our state college. Wash. State Hort. Assoc. Proc. 46:167-168. 1950. 81 W273

71898 BARAT, A. G. Après le Concours Général Agricole de 1951. Agriculture [Paris] 15:119-122. May 1951. 14 Ag823

71899 BENNETT, R. H. Hobbies? to the cowman they are but part of his interesting everyday jobs. Amer. Hereford J. 42(5):123,898. July 1, 1951. 43.8 Am32

71900 BEZNER, A. Landwirtschaftliche lehrbetriebe ohne lehrlinge und doch zu wenig lehrstellen! Württemb. Wchnbl. f. Landwirt. 118:468-469. June 9, 1951. 18 W96

71901 BOYCE, E. Greatest show on earth; Farmers' Week gives the feed dealer the opportunity to perform a service for his customer. Feedstuffs 23(26):46-47. June 30, 1951. 286.81 F32

71902 BRUBAKER, D. L. Clergyman raps cannery farming. Prairie Farmer, Ill. Ed. 123(4):5. July 21, 1951. 6 P883B

Effect of corporation farming on the church.

71903 BUNDY, B. B. Growing into farming through vocational agriculture. Agr. Educ. Mag. 24:28,40,45. Aug. 1951. 275.8 Ag8

71904 CALCOTT, E. So you want an all-county library! Nation's Agr. 26(6):16-17. June 1951. 280.82 B89

Rutherford County, Tennessee.

71905 CALDWELL, R. M. Oklahoma A&M College, proving ground for agriculture. Farmer-Stockman 54(6):9,15. June 1951. 6 Ok45

71906 CAMPBELL, J. The health of the land worker must be studied. Health & Soil 1951:31. Spring 1951. 56.8 H34

- 71907 CARRANTE, A. New life of the Inspectorates. (In Italian.) Agr. Ital. 2:227-228. May 1/15, 1951. 16 Ag822
Advisory services.
- 71908 CASALINI, M. Professional agricultural instruction for young American farmers. (In Italian.) Agr. Ital. 2:255-256. May 1/15, 1951. 16 Ag822
- 71909 CATTO, G. A. Advisory services—Dundee area. Edinb. & East Scot. Col. Agr. Misc. P. 50,4 p. 1951? 103 Ed4M
- 71910 CHAUNDY, G. H. Egerton School of Agriculture. Kenya. Dept. Agr. Annu. Rev. 1950:73-74. 24 K423
- 71911 COCHEL, W. A. Leadership training—the rural ministry. Q. Alpha Zeta 44(3):8-10. May 1951. 275.8 A17
- 71912 LE CONGRES National de la C. N. F. R. au Mans; la famille rurale devant l'économie moderne les 17 et 18 mai; conclusions du congrès. Familles Rur. 5(45):7-9. May 1951. 284.68 F21
- 71913 DALMASSO, G. Problems of faculties of agricultural sciences. (In Italian.) Mondo Agr. 2(20):3. May 20, 1951. 16 M74
Italy.
- 71914 DAY, D. I. Ellis and Conn tell how to edit farm news. Editor & Pub. 84(28):18. July 7, 1951. 238.28 Ed4
- 71915 LE XII Congrès de la Famille Rurale. Familles Rur. 5(45):3-5. May 1951. 284.68 F21
France.
- 71916 DUNNINGTON-JEFFERSON, SIR J. Great Yorkshire Show, Malton, 1950. Yorkshire Agr. Soc. J. 102:69-127. 1951. 10 Y7
- 71917 EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. Report for the year ending 30th September, 1950. Edinburgh, 1951. 111 p. 103 Ed4Re
Includes research activities.
- 71918 EKSTROM, G. F. Course of study and curriculum. Agr. Educ. Mag. 24:4-5. Ref. July 1951. 275.8 Ag8
- 71919 ELDER, C. R. What the agricultural college editor can do about mobilization. Washington, U. S. Ext. Serv., 1951. 4 p. 1.913 I2W55
Talk at eighth annual meeting, Extension Editor Advisory Committee, Washington, D. C., May 7-11, 1951.
- 71920 ENSMINGER, D. World extension begins with family; Point 4 directing technical assistance extension programs to family and community. Ext. Serv. Rev. 22:84. May 1951. 1 Ex892Ex
- 71921 FERDUN, C. R. Resource units developed by teachers in Hawaii. Agr. Educ. Mag. 24:7,19. July 1951. 275.8 Ag8
- 71922 FORDE, L. Agriculture and science in the National Schools. Agr. Ireland 8:131-133. June 1951. 10.5 Ag8
- 71923 FREUND, W. Hamburg 1951 was easy on the legs. Farmers Wk. [London] 34(23):47, 49. June 8, 1951. 10 F2226
Exhibition of the German Agricultural Society.
- 71924 FRUITS of research and teaching; the vital impact of the Cambridge School of Agriculture on farming practice in this country [Great Britain]. Farmer & Stock-Breeder 65(3218):100-101. June 26, 1951. 10 F228
- 71925 GALLOWAY, R. E., and KAUFMAN, H. F. Health practices in Choctaw County. Miss. Agr. Expt. Sta. Sociol. & Rur. Life Ser. 2,13 p. Dec. 1950. 281.29 M693
- 71926 GITTINGER, E. Die hauswirtschaftliche beratung auf dem lande in den Vereinigten Staaten von Nordamerika. In Röhm, H., ed. Amerikanische landwirtschaft, p.123-134. Münster, 1950? 281.12 R63
- 71927 GLEISSNER, F., and HAMBURGER, H. Das landwirtschaftliche schul- und ausbildungswesen in den USA. In Röhm, H., ed. Amerikanische landwirtschaft, p.173-192. Münster, 1950? 281.12 R63
- 71928 GRAAGE. Zeitgemässe landwirtschaftsschule ist nötig! Tech. f. Bauern u. Gärt. Ausg. A 3:133. Mar. 10, 1951. 58.8 T223
Germany.
- 71929 GRUBER, B. Die organisation des Landwirtschaftlichen Beratungsdienstes in den Vereinigten Staaten von Amerika. In Röhm, H., ed. Amerikanische landwirtschaft, p.59-85. Münster, 1950? 281.12 R63
- 71930 GUILLOUX, R. Comment former une élite rurale marocaine? Inform. Marocaine 535:1-2. (Cont.) Apr. 14, 1951. 281.8 In3
Education.
- 71931 HALL, H. W. Progress in rural health. Nation's Agr. 26(6):11,21. June 1951. 280.82 B89
- 71932 HARRIMAN, E. J. A school superintendent speaks: What I expect of a vo-ag teacher. Better Farming Methods 23(5):12,14. May 1951. 58.8 B46
- 71933 HAUSHOFER, H. Stellung und bedeutung des Amerikanischen Beratungsdienstes. In Röhm, H., ed. Amerikanische landwirtschaft, p.103-123. Münster, 1950? 281.12 R63
- 71934 HAUSZER, K. Die neue Höhere Bundeslehr- und Versuchsanstalt für Gartenbau, Wien-Schönbrunn. Landwirtschaft 1951:186-187. June/July 1951. 19 L235
- 71935 HAWAII. UNIVERSITY. AGRICULTURAL EXTENSION SERV. The life of the land; extension in Hawaii, 1948-50. Hawaii. U. Agr. Ext. B. 51,24 p. Apr. 1951. 275.29 H312E
- 71936 HEITZMAN, C. K. This ag instructor says make your own filmstrips. Better Farming Methods 23(8):14,16. Aug. 1951. 58.8 B46
- 71937 HERMUNDSTAD, K. Aettarav [Family heritage]. Oslo, 1950. 208 p. (Norsk Folkeminnelag, Nr. 65; Gamal Valdres-Kultur, 4) 280.173 H422
Rural life history.
- 71938 HOSEKE-VALLEE, E. Die behandlung von ländlichen hauswirtschaftslehrlingen. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:897. June 14, 1951. 18 L2346
- 71939 HOTZ, H. G. An evaluation of the institutional on-farm training program in Arkansas. Agr. Educ. Mag. 24:20,23. July 1951. 275.8 Ag8
- 71940 HOWEY, R. Organizing learning activities. Agr. Educ. Mag. 24:8-9. July 1951. 275.8 Ag8
- 71941 JOHNSON, H. N. Educational needs of rural youth. Conserv. Volunteer 14(81, i.e. 82):31-33. May/June 1951. 279.8 C765
Vocational agriculture.
- 71942 JOHNSTON, N. State associations—programs—activities—relationships. Agr. Educ. Mag. 24:16-17. July 1951. 275.8 Ag8
Associations of vocational agriculture instructors.
- 71943 KELLER, H. Versuchsringe an landwirtschaftsschulen. Bodenkultur 5:111-119. 1951. 19 B635
Austria.
- 71944 KNAUS, K. System in the county extension office. U. S. D. A. Agr. Inform. B. 28,24 p. Mar. 1951. 1 Ag84Ab
- 71945 KNIGHT, C. D. The school holdings of Fort Hall District. Kenya. Dept. Agr. Annu. Rev. 1950:76-80. 24 K423
- 71946 KÖSTER, G. Wie ich die wanderausstellung in Hamburg sah. Oldenburger Landvolk 1951:45-47. June 14, 1951. 281.8 OL1
- 71947 KREBS, A. H. Guidance for the "misfit" in vocational agriculture. Agr. Educ. Mag. 24:30. Aug. 1951. 275.8 Ag8
- 71948 LANTBRUKSAKADEMIEN. Annual report [of the Agricultural Academy] for 1950. (In Swedish.) Lantbrakad. Tidskr. 90:13-30. 1951. 104 Sw3
English summary.
- 71949 LARIVIERE, J. Faut-il une école "rurale"? Fiches Rur. 71:9-12. July 1951. 281.8 F44
France.
- 71950 LEFEBVRE, C. L., and BARSS, H. P. The Office of Experiment Stations looks at extension and research. In U. S. Extension Serv. Extension and research relationships from different viewpoints, p.7-11. Washington, 1951. 1.913 P3Ex82
- 71951 LEHRMAN, E. The cooperative approach to adult farmer education in the Wausau community. Agr. Educ. Mag. 24:9. July 1951. 275.8 Ag8
- 71952 LEWIS, C. Missouri county agents develop extension education through radio. Better Farming Methods 23(5):20,22. May 1951. 58.8 B46
- 71953 LIMA, J. P. "Information" as an agent of rural progress. (In Portuguese.) Seleç. Agr. 6(61):17-20. May 1951. 9.2 Se4
Extension work.
- 71954 LISHMAN, F. J. G. Rural school sanitation; with special reference to chemical closets. Pub. Health 64:147-151. May 1951. 449.8 P96
- 71955 LOWE, T. A. Cornucopia at Olympia. Field 198:22. July 7, 1951. 10 F45
Annual show of the National Farmers' Union Market Produce Show Society.
- 71956 LUM, C. W. A basic curriculum developed by Hawaii teachers. Agr. Educ. Mag. 24:6-7. July 1951. 275.8 Ag8
- 71957 MCCracken, H. E. Facilities to carry on the program in vocational agriculture. Agr. Educ. Mag. 24:15,19. July 1951. 275.8 Ag8

- 71958 MCCULLOCH, R. German Agricultural Show at Hamburg. *Agr. Ireland* 8:148-149,151. July 1951. 10.5 Ag8
- 71959 MACK, J. A. Adults want to learn. *Agr. Educ. Mag.* 24:10-11. July 1951. 275.8 Ag8 New York.
- 71960 MCLEAN, M. Running an agricultural show. *Scot. Home & Country* 27:233-234. July 1951. 281.28 Sco3
- 71961 MAIER-BODE, F. W. Die arbeitsweise des Amerikanischen Extension Service. In Röhm, H., ed. *Amerikanische Landwirtschaft*, p.85-103. Münster, 1950? 281.12 R63
- 71962 MAIER-BODE, F. W., and others. Zusammenfassende Ausserungen über das amerikanische Beratungssystem und die Möglichkeit seiner Übertragung auf deutsche verhältnisse. In Röhm, H., ed. *Amerikanische Landwirtschaft*, p.134-155. Münster, 1950? 281.12 R63
- W. F. Boyens, H. Haushofer, and E. B. Naumann, joint authors.
- 71963 MATELA. Contribution of agricultural schools to Philippine education. *Plowman* 7(4):13-15. Apr. 1951. 276.8 P72
- 71964 MILBURN, D. What's new in junior fairs. *Macdonald Col. J.* 11(10):10. June 1951. 101 M144
- 71965 MILLIGAN, K. W. Guidance for citizenship. *Agr. Educ. Mag.* 24:31. Aug. 1951. 275.8 Ag8
- 71966 MISSISSIPPI STATE COLLEGE. EXTENSION SERV. Extension at work; Mississippi Agricultural Extension Service annual report, 1950. Miss. State Col. Ext. P. 182,22 p. Apr. 1951. 275.29 M68A
- 71967 MITRANY, D. Communism and the peasants. *Amer. Acad. Polit. & Social Sci. Ann.* 276:99-104. July 1951. 280.9 Am34
- 71968 MOHLER, M. R. Television in vocational agriculture. *Agr. Educ. Mag.* 24:46-47. Aug. 1951. 275.8 Ag8
- 71969 MONROE COUNTY (NEW YORK) FAIR AND RECREATION ASSOCIATION. Premium schedule, Monroe County Fair, Aug. 15th through Aug. 19th, 1951. Henrietta, 1951. 20 p. 4.5 N48M
- 71970 MONTERO, R. R. El cine y la F.A.O. Siembra [Madrid] 7:7-9. Jan. 1951. 15 S11
- 71971 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Salt of the earth; Oklahoma 1950 annual report. Stillwater, 1951? 37 p. 275.29 Ok41An
- Agricultural achievements by farm families.
- 71972 ORILLE, A. L. Industry in school may make for a self-sufficient community. *Agr. & Indus. Life* 13(4):14. Apr. 1951. 25 Ag8 Philippines.
- 71973 PARRI, E. Young peasants and the school. (In Italian.) *Lotte Contadine* 2(1):1-2. Jan. 5, 1951. 16 L91 Italy.
- 71974 PEARSON, M. What helps a boy get ahead in agriculture? *Agr. Educ. Mag.* 24:29-30. Aug. 1951. 275.8 Ag8
- In vocational agriculture.
- 71975 PENDERS, J. M. A. A European study on agricultural extension work and its importance for the Netherlands. (In Dutch.) *Netherlands. Landbouwvoorlichtingsdienst. Maandbl.* 8:173-198. May 1951. 12 N383M
- 71976 PERRON, M. A. L'école d'agriculture de l'Assomption. *Foyer Rur. [Montreal]* 10(8):7,18-19. May 1951. 7 F83
- 71977 POE, C. How can we strengthen country churches? *Prog. Farmer, Tex. Ed.* 66(7):102. July 1951. 6 T311
- 71978 RAMINELLA, P. Technique in the county at the service of farmers. (In Italian.) *Agr. Ital.* 2:232-233, 259-261. May 1/15, 1951. 16 Ag822
- Equipment for farm advisory services.
- 71979 RATTRAY, G. B. The training of agricultural instructors: Agricultural Training School, Embu. Kenya. *Dept. Agr. Annu. Rev.* 1950:74-76. 24 K423
- 71980 REAL, G. A. DEL. Enseñanza e investigación agrícolas en la Gran Bretaña. *An. de Edefologia y Fisiol. Veg.* 9:454-473. July/Aug. 1950. 506 Sp12
- 71981 REYES, J. How agricultural schools contribute to Philippine progress. *Plowman* 7(4):38,78. Apr. 1951. 276.8 P72
- 71982 RHODE ISLAND STATE COLLEGE. EXTENSION SERV. Extension at mid-century the annual report of the Rhode Island Agricultural Extension Service. R. I. State Col. Ext. B. 130,20 p. May 1, 1950. 275.29 R34
- 71983 RIECK, J. Möglichkeiten des technisch-wissenschaftlichen forschungsfilms. *Kuratorium f. Tech. in der Landwirt. Ber. über Landtech.* 11:54-57. 1950. 18 K96
- 71984 RISLEY, E. H. The influence of the small rural hospital on the advancement of surgery in the New England States. *New Eng. J. Med.* 244:893-897. June 14, 1951. 448.8 N442
- 71985 ROEMER, M. I. Approaches to the rural doctor shortage (with special reference to the South). *Rur. Sociol.* 16:137-147. June 1951. 281.28 R88
- 71986 ROGERSON, S. The Cambridge School of Agriculture. *Farmers Wk. [London]* 34(26):51. June 29, 1951. 10 F2226
- 71987 RÖHM, H., ed. *Amerikanische Landwirtschaft*. Hiltrup bei Münster (Westf.) Landwirtschaftsverlag, 1950? 360 p. 281.12 R63
- Extension work, youth education, and research.
- 71988 RÖHM, H. Das gesamtbild der landjugenderziehung und -ausbildung in den Vereinigten Staaten und die möglichkeiten einer belebung der deutschen landjugendarbeit. In Röhm, H., ed. *Amerikanische Landwirtschaft*, p.192-212. Münster, 1950? 281.12 R63
- 71989 RONCHI, V. Movements. (In Italian.) *Mondo Agr.* 2(20):1. May 20, 1951. 16 M74
- Political party for agricultural interests in Italy.
- 71990 ROYAL ULSTER AGRICULTURAL SOCIETY. 84th annual show at Balmoral Showgrounds, Belfast, 23rd, 24th, 25th, 26th, May 1951. Belfast, 1951. 150 p. 10 R816A
- 71991 SACAY, F. M., KIBTIANI, J. S., and ANUDDIN, M. K. A survey of economic and social conditions of farmers in Sulu. *Philippine Agr.* 34:1-9. July/Sept. 1950. 25 P542
- 71992 SAMSEL, L. G. Are you a good showman? *Better Farming Methods* 23(5):36. May 1951. 58.8 B46
- Care of visual aids.
- 71993 SCHALLER, H. L. Should vo-ag be transferred to USDA? *Better Farming Methods* 23(8):26-29. Aug. 1951. 58.8 B46
- 71994 SCHEELE, E. A. The American farm woman. II. (In Dutch.) *Zeeuwisch Landtbl.* 39(2071):7. May 19, 1951. 12 Z2
- 71995 SCHNEIDER, D. Die geschichte der DLG-aussstellungen. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:763-764. May 24, 1951. 18 L2346
- 71996 SCOTT, M. J. Illinois advisory groups get together. *Agr. Educ. Mag.* 24:17. July 1951. 275.8 Ag8
- Vocational agriculture departments.
- 71997 SPRAGGS, P. F. Teachers can make vital contributions to the guidance program. *Agr. Educ. Mag.* 24:32. Aug. 1951. 275.8 Ag8
- 71998 STROTMEYER, A. Fremdlehre und landjugendaustausch. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:783-784. May 24, 1951. 18 L2346
- 71999 STUBLER, E. "Home economics" in Amerika und die frage der errichtung hauswirtschaftlicher institute in Deutschland. In Röhm, H., ed. *Amerikanische Landwirtschaft*, p.302-322. Münster, 1950? 281.12 R63
- 72000 TATE, H. S. Practical agricultural education in the Philippines. *Agr. Educ. Mag.* 24:12-13, 19. July 1951. 275.8 Ag8
- 72001 TEGNER, H. A Highland Folk Museum; full-scale models bring to life a crofters' community of by-gone days. *Field* 197:952. June 16, 1951. 10 F45
- 72002 UMINGA, E. The farmerettes faces life. *Plowman* 7(4):56,87. Apr. 1951. 276.8 P72
- Philippines.
- 72003 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Work and activities of the House Committee on Agriculture; report, 81st Cong., 2d sess. Washington, 1951. 26 p. 30.5 Un32
- 72004 U. S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE. Local public health units. Hearings, 82d Cong., 1st sess., on H. R. 274 and H. R. 913, Apr. 10, 11, 12, 13, May 8, 9, and 10, 1951. Washington, 1951. 224 p.
- 72005 U. S. DEPT. OF AGRICULTURE. I am an American day. Washington, 1951. 4 p. 1.90 A21a1
- 72006 U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Report of the Graduate School, 1950. Washington, 1951. 15 p. 1.9 Ag81Er
- 72007 U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Report on educational statistics, 1950. Washington, 1950. 25 p. 1.984 R29
- 72008 U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Schedule of classes, summer session, 1951. Washington, 1951. 4 p.-folder. 1 Ag854E
- 72009 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. MOTION PICTURE SERV. Motion pictures of the United States Department of Agriculture, 1951. U. S. D. A. Agr. Handb. 14,53 p. 1950 1 Ag84Ah

72010 U. S. DEPT. OF STATE. Preparation for tomorrow: a German boy's year in America. U. S. Dept. State. European & Brit. Commonwealth Ser. 20, 54 p. Apr. 1951. 150 Eu73

72011 U. S. EXTENSION SERV. The Cooperative Extension Service and the family farm. Washington, 1951. 13 p. 1.913 A2C783

72012 U. S. EXTENSION SERV. Extension and research relationships from different viewpoints. Papers given at Symposium on Extension and Research Relationships, annual meeting of the American Phytopathological Society, Memphis, Tenn., Dec. 2, 1950. Washington, 1951. 16 p. 1.913 P3Ex82

72013 U. S. EXTENSION SERV. Objectives of extension; a partial summary, by K. F. Warner. Washington, 1951. 2 p. 1.913 A2Ob322

72014 U. S. EXTENSION SERV. State correspondents concerned with extension information and visual materials. Washington, 1951. 10 p. 1.913 I2St22

72015 VORSE, M. H. The child reservoir of the South. Harper's Mag. 203:55-61. July 1951. 110 H23 Includes rural areas.

72016 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Federal, State and county agencies providing services for children and youth. Wash. State Col. Ext. Mimeog. 1091, 4 p. n.d. 275.29 W27Mi

72017 WEDDIGEN, H. Nachrichten für den farmer in den USA. In Röhm, H., ed. Amerikanische Landwirtschaft, p.243-268. Münster, 1950? 281.12 R63 Information services.

72018 WILLIAMS, R. M., JR. Methodology in a Michigan health survey. Rur. Sociol. 16:164-168. June 1951. 281.28 R88

72019 WILSON, M. L. The place of agricultural extension in a development programme. Caribbean Comm. Mon. B. 4:811-812, 830. June 1951. 280.9 C19

72020 WOOD, W. E. A school with a view. Farmers Wk. [London] 34(25):49, 51. June 22, 1951. 10 F2226 The Cumberland and Westmorland Farm School.

72021 ZIEGLER, G. Long-time programs. Agr. Educ. Mag. 24:6. July 1951. 275.8 Ag8

Leadership

72022 CARVALLO HEDERRA, S. El curso para líderes cooperativistas de la Universidad de Wisconsin. Washington, Sección de Cooperativas, División de Asuntos Sociales y de Trabajo, Departamento de Asuntos Económicos y Sociales, Unión Panamericana, 1950. 32 p. 150.1 C932

72023 PURCELL, H. M. Massachusetts directory of agricultural and home economics leaders. Boston, Mass. Dept. of Agriculture, 1951. 52 p. 225 M383

72024 TRAINING IN ADMINISTRATIVE MANAGEMENT LEADERSHIP INSTITUTE, DENVER, 1950. Get your management ball rolling toward more effective public service; a summary of material developed at the USDA Leadership Institute [on] Training in Administrative Management, Denver, Colo., Apr. 2-13, 1951. Washington, 1951. 72 p. 1.91 C2G33

72025 U. S. EXTENSION SERV. State and assistant State leaders in 4-H Club work. Washington, 1951. 7 p. 1.913 F3St22

72026 U. S. EXTENSION SERV. Twenty-first national 4-H Club Camp 1951; leaders attending. Washington, 1951. 5 p. 1.9 Ex892Fbwn

Rural Organizations and Movements

72027 ABRAHAMSEN, M. A. Purchasing co-ops face defense problems. News Farmer Coop. 18(3):3, 21-22. June 1951. 166.2 N47

72028 ABRAHAMSEN, M. A. The United States of America. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.250-272. Oxford, 1951. 280.29 H78

72029 ADAMS, V. E. 4-H'ers at club camp saw our Government in action. Agr. Leaders' Digest 32(7):10-12. July 1951. 275.28 Am3

72030 AGRICULTURAL CO-OPERATION ASSOCIATION. England. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.70-78. Oxford, 1951. 280.29 H78

72031 ANGEVINE, D. W. 100,000 came to supper. News Farmer Coop. 18(3):9, 18. June 1951. 166.2 N47 To celebrate Co-op Neighbor Night of Consumers Co-operative Association, Kansas City, Mo.

72032 AOKI, K. Japan. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.227-235. Oxford, 1951. 280.29 H78

72033 ARCO, J. L. DEL. Regimen fiscal de las cooperativas agrícolas en Francia. Cooperación [Madrid] 111:12-13. May 1951. 280.28 C7875

72034 BARTLETT, R. W. Questions and answers on cooperatives. Pacemaker 9(11):2-3. June 1, 1951. 280.28 P113

72035 BATH, T. H. Australia. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.236-240. Oxford, 1951. 280.29 H78

72036 BELGIAN agriculture. V. The Belgian farmer and his organizations. (In Dutch.) Gelders Landbbl. 14 (26):6. June 30, 1951. 12 G282

Also in Groninger Landbbl. 29(26):8. June 30, 1951. 12 G892

72037 BERNISCHER BAUERNVERBAND. Jahresbericht 1950. Schweiz. Bauer 105(46):6;(48):16-17. (Concl.) Apr. 23, 27, 1951. 17 Sch95

72038 BILIC, A. South-eastern Europe. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.156-166. Oxford, 1951. 280.29 H78

72039 BINGHAM, H. F. Nyasaland. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.310-311. Oxford, 1951. 280.29 H78

72040 BLACKIE, W. J. Fiji. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.220-221. Oxford, 1951. 280.29 H78

72041 BROWN, J. W. Southern Rhodesia. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.318-320. Oxford, 1951. 280.29 H78

72042 BURBACH, H. Die bedeutung der amerikanischen farmerverbände und die frage der berufsständischen vertretung durch die landwirtschaftskammern in Deutschland. In Röhm, H., ed. Amerikanische Landwirtschaft, p.213-231. Münster, 1950? 281.12 R63

72043 BUTTON, D. J. They like cooperatives. Iowa Agr. 50(2):10-11. May 1951. 6 Io9

72044 CASTAGNO, M. S. El cooperativismo en la producción y el consumo. Rev. SanCor 9(101/102):13. Mar./Apr. 1951. 280.28 R322

72045 COOPERATIVE digest yearbook and directory of farmer cooperatives, 1st. Ithaca, 1951. various paging. 225 C782

72046 COUPER, G. P. Looking over the FFA scene. Pacific Stockman 17(6):6. June 1951. 286.85 W52

72047 CRAMOIS, A. France. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.102-108. Oxford, 1951. 280.29 H78

72048 DARLING, SIR M. Co-operation in the Middle East. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.36-46. Oxford, 1951. 280.29 H78

72049 DEMPSEY, W. C. The co-operative movement in South Africa. Union So. Africa. State Inform. Off. Agr. Fact Paper 1, 24 p. Mar. 1951. 24 So88

72050 DIGBY, M. Agricultural co-operation and the application of agricultural science. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.47-54. Oxford, 1951. 280.29 H78

72051 DOWNS, E. Young farmers on parade. Agr. Educ. Mag. 24:21. July 1951. 275.8 Ag8 Utah Association of Young Farmers.

72052 ELLIS, H. Swearing is not enough. Primary Prod. [Cape Town] 27(7):25. Apr. 6, 1951. 281.8 P93 Cooperation in the solution of farmers' problems in the Union of South Africa.

72053 FEDERMAN, J. C. Czechoslovakia. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.148-155. Oxford, 1951. 280.29 H78

72054 FEURY, O. FREIHERR VON. Wissenswerthes über organisation und tätigkeit der amerikanischen farmer verbände. In Röhm, H., ed. Amerikanische Landwirtschaft, p.231-242. Münster, 1950? 281.12 R63

72055 FRIEDMANN, G. Rural cooperation. (In Italian.) Rinasca Agr. 6(8):1. Feb. 15, 1951. 281.8 R47 Italy.

72056 FUTURE FARMERS OF AMERICA. MISSOURI ASSOCIATION. Thirty-third annual Future Farmers of America contests and twenty third annual convention; program and announcements, Thursday-Friday-Saturday, April 19-20-21, 1951, Columbia, Missouri. Columbia, 1951. 36 p. 4 F985

72057 FUTURE FARMERS OF AMERICA. WYOMING ASSOCIATION. Minutes of the twenty-fourth annual meeting, April 6 and 7, 1951. Casper, 1951. 21 p. 4 F982M

72058 GARNER, C. G. Watch out for termites. News Farmer Coop. 18(3):5, 20. June 1951. 166.2 N47 Management of cooperative organizations.

72059 GATES, R. C. Malaya. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.196-200. Oxford, 1951. 280.29 H78

- 72060 GIANNETTA, A. March of organization in the South [Italy]. (In Italian.) *Lotte Contadine* 2(1):5. Jan.5, 1951. 16 L91
- 72061 GILS, A. Belgium. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.109-112. Oxford, 1951. 280.29 H78
- 72062 GOMES, P. Agriculture and cooperation. (In Portuguese.) *Coop [Bahia]* 9(83):2,19. Oct.1950. 280.28 C7842
- 72063 GRETTON, R. H. Nigeria. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.281-287. Oxford, 1951. 280.29 H78
- 72064 GRONINGER LANDSCHAP. Annual report, 1950. (In Dutch.) *Groninger Landbbl.* 29(26):14. June 30, 1951. 12 G892
- 72065 HARZMANN, E. Die landjugendarbeit in den Vereinigten Staaten. In Röhm, H., ed. *Amerikanische Landwirtschaft*, p.156-173. Münster, 1950? 281.12 R63 4-H Club work.
- 72066 HENRY, R. N. Cyprus. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.167-169. Oxford, 1951. 280.29 H78
- 72067 HEWSON, M. The Gold Coast. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.288-290. Oxford, 1951. 280.29 H78
- 72068 HILL, K. A. L. Sierra Leone. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.291-293. Oxford, 1951. 280.29 H78
- 72069 HOLMSTROM, S. Sweden. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.133-143. Oxford, 1951. 280.29 H78
- 72070 HORACE PLUNKETT FOUNDATION. Year book of agricultural co-operation, 1951. Oxford, 1951. 348 p. 280.29 H78
- 72071 ILLINOIS STATE GRANGE. Roster, 1951. n.p., 1951. 37 p. 4 IL63R
- 72072 JENKINS, D. Wales. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.90-96. Oxford, 1951. 280.29 H78
- 72073 JENNY, W. M. Co-ops the key to stopping erosion of the soil, rural wealth, and farm people. *Nebr. Co-op.* 7(3):8. July 4, 1951. 280.28 N27
- 72074 JEWISH AGRICULTURAL SOCIETY. Annual report of the managing director, 1950. New York, 1951. 31 p. 4 J55
- 72075 JEWISH AGRICULTURAL SOCIETY. Report of the managing director for the period 1900-1949. New York, 1950. 47 p. 4 J55
- 72076 JOHN, T. J. Cooperative farming. *Indian Farming* 11:236-237. June 1950. 22 In283
- 72077 JOHNSON, E. J. National F.F.A. contests—plans and major changes for 1951. *Agr. Educ. Mag.* 24:22. July 1951. 275.8 Ag8
- 72078 JOHNSTON, J. Northern Ireland. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.100-101. Oxford, 1951. 280.29 H78
- 72079 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Parliamentary practice, problems and suggestions for 4-H Clubs. Manhattan, 1950. 28 p. 275.2 K133Pa
- 72080 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Planning the program, Kansas 4-H Clubs. Manhattan, 1950. 16 p. 275.2 K133PLa
- 72081 KERR, A. J. Uganda. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.312-314. Oxford, 1951. 280.29 H78
- 72082 LUZ FILHO, F. Visit to Bahia. II. (In Portuguese.) *Cooperativismo [Rio de Janeiro]* 5(59):7-8, 21. May 1951. 280.28 C7856 Cooperatives.
- 72083 MARLER, R. In unique position to represent agriculture. (Sum.) *West. Farm Leader* 16:179,187. June 15, 1951. 280.28 W52 Alberta Federation of Agriculture.
- 72084 MIEHER, D. C. What kind of a Farm Bureau do we want? *Nation's Agr.* 26(6):9-10, 23. June 1951. 280.82 B89
- 72085 MORANDINI, E. The formation of directing agencies for agricultural activities. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 33:1-2 bis. May 12, 1951. 281.8 Ag3
- 72086 NATESAN, P. Some co-operatives of West Bengal. *Madras J. Co-op.* 42:606-610. May 1951. 280.28 M26
- 72087 NATIONAAL COOPERATIEF RAAD. The Netherlands. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.113-120. Oxford, 1951. 280.29 H78
- 72088 NOAKES, J. L. Sarawak. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.214-219. Oxford, 1951. 280.29 H78
- 72089 O'MEARA, J. E. Canada. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.241-249. Oxford, 1951. 280.29 H78
- 72090 PAULSON, W. E., and LEBOURVEAU, W. Agricultural cooperatives in the Coastal Bend area of Texas. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1378,8 p. June 11, 1951. 100 T31P
- 72091 PEDERSEN, C. Denmark, the co-operative movement after the war. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.121-132. Oxford, 1951. 280.29 H78
- 72092 RHEINTHALER. Austria. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.144-147. Oxford, 1951. 280.29 H78
- 72093 RIDDALL, C. C. Eire. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.97-99. Oxford, 1951. 280.29 H78
- 72094 ROMIEU, J. French Union. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.298-309. Oxford, 1951. 280.29 H78
- 72095 ROYAL AGRICULTURAL SOCIETY OF VICTORIA. Report of proceedings, 1950. Melbourne, 1951. 175 p. 23 R812
- 72096 RYAN, J. C. Progress of co-operative movement in Madras State. *Madras J. Co-op.* 42:583-586. May 1951. 280.28 M26 Includes agricultural cooperatives.
- 72097 SALOTOS, T., and HICKS, J. D. Agricultural discontent in the Middle West, 1900-1939. Madison, U. Wis. Press, 1951. 581 p. 30.9 Sa3
- 72098 SCHARE, K. Genossenschaften und landwirtschaftliche erzeugungssteigerung; ein beitrage über landliche genossenschaften im dienste der landwirtschaftlichen leistungssteigerung; veranschaulicht an oldenburgischen verhältnissen. Marburg/Lahn, Simon, 1950. 163 p. 281.175 Schl
- 72099 SCHAUB, J. Berrien County's secret weapon. *Nation's Agr.* 26(6):7-8. June 1951. 280.82 B89 Junior Farm Bureau in Michigan.
- 72100 SCHWEIZERISCHER BAUERNVERBAND. Der Schweizerische Bauernverband im jahre 1950; auszug aus dem jahresbericht. Schweiz. Bauer 105(46):3; (48):13. (Concl.) Apr.23, 27, 1951. 17 Sch95
- 72101 SEMINARIO, J. L. La comunidad y la coope-
ración. *Cám. de Com. e. Indus. de Tegucigalpa.* B. 5(52):25-27. Mar. 1951. 287 T23
- 72102 SHEARER, H. M. L. Basutoland. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.315-317. Oxford, 1951. 280.29 H78
- 72103 STEED, S. Producers must organize. *Marit. Co-op.* 19(10):4. (Cont.) June 1, 1951. 280.28 M33
- 72104 U. S. FARM CREDIT ADMIN. Research in agricultural cooperation: problem areas (preliminary statement). U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Spec. Rpt. 233, 40 p. July 1951. 166.2 Sp3 American Institute of Cooperation cooperating.
- 72105 VERMONT. UNIVERSITY AND STATE AGRICULTURAL COLLEGE. EXTENSION SERV. 4H camping in Vermont. Burlington, 1950. 12 p. 275.2 V59Fc
- 72106 VITELES, H. Israel, 1948-1950. In Horace Plunkett Foundation. Year book of agricultural co-operation, 1951, p.170-195. Oxford, 1951. 280.29 H78
- 72107 WASHINGTON. STATE COLLEGE. EXTENSION SERV. Lists of aids available for 4-H projects and activities. Wash. State Col. Ext. Mimeog. 66, rev., 11 p. Feb. 1951. 275.29 W27M1
- 72108 WESTFÄLISCH-LIPPISCHER LANDWIRTSCHAFTSVERBAND. Tätigkeitsbericht des WLV für das jahr 1950. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A: 826-828, 833-835. May 31, 1951. 18 L2346
- 72109 WOLFE, T. K. Stock selling successful for Southern State [Cooperative]. *News Farmer Coop.* 18(3):10. June 1951. 166.2 N47
- 72110 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Wyoming 4-H projects in agriculture and home economics. Wyo. Agr. Col. Ext. 4-H C. G-15, 23 p. 1950. 275.29 W99Fc

RURAL SOCIAL PSYCHOLOGY

- 72111 DORING, V. Beratung und psychologie. *Neue Mitt. f. die Landwirt.* 6:403-405. June 16, 1951. 18 N39
- 72112 HAY, D. G. Social participation of individuals in four rural communities of the Northeast. *Rur. Sociol.* 16:127-136. June 1951. 281.28 R88 Includes discussion.

72113 MITCHELL, G. D. The relevance of group dynamics to rural planning problems. *Sociol. Rev.* 43, 16 p. 1951. 280.8 So14

TRADE, FOREIGN AND INTERNATIONAL

72114 ABADIA MORALES, J. Con carnes finas Colombia puede competir en mercados internacionales. *Rev. Agr. y Ganad.* 13(135):17-18. Apr. 1951. 9.4 R327

72115 BIRKETT, C. B. Tobacco is most important contributor to economy of Southern Rhodesia. *Foreign Trade* 10:7-9. July 7, 1951. 286.8 C162

Trade.

72116 BOWER, R. P. British purchases of foodstuffs from Canada lower last year. *Foreign Trade* 10:46-50. July 14, 1951. 286.8 C162

72117 BRETEAU, J. Le problème de la normalisation et du contrôle de la qualité des fruits et légumes en régime international. *Marchés Colon.* 7:1321-1323. May 5, 1951. 286.8 M33

72118 CABALLERO, J. M. Exports of Spanish brandy, cordials, sparkling wines and cider. *Sp.-Amer. Trade* (ser. 2) 27:80-81. Jan./Mar. 1951. 287 Am3S

72119 CURACAO'S verslag 1947. II. Statistisch jaar-overzicht van Curaçao over het jaar 1946. Curaçao report 1947. II. Statistical annual of Curaçao for the year 1946. 's-Gravenhage, 1951. 394 p. 259 K83C

Includes trade and livestock statistics.

72120 DIGGENS, F. L. East African coffees in Europe. *Coffee Bd. Kenya. Mon. B.* 15:483. Dec. 1950. 68.29 C652

72121 EMMEL, Die neuen zollsätze für die margarine-industrie. Unentbehrliche Margarine-Industrie, p. 4-5. In *Milch-Fettwaren-Eierhandel* 3(36). May 11, 1951. 286.85 M59

Germany.

72122 FEDERATION OF MALAYA. REGISTRAR OF STATISTICS. Malayan statistics, trade section, December, 1950, with cumulative totals for the year 1950. Singapore, 1951. 318 p. 269.6 B77

72123 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Yearbook of food and agricultural statistics, 1950, v. 4, pt. 2: trade. Washington, 1951. 275 p. 251 Y3

72124 FOSTER, J. G. A vast potential for our skim milk powder exists in the Far East, says marketing expert. *New Zeal. Dairy Exporter* 26(12):31-32. June 1, 1951. 44.8 N484

72125 FRANCE. DIRECTION GÉNÉRALE DES DOUANES ET DROITS INDIRECTS. Tableau général du commerce extérieur, année 1947; commerce de la France avec la France d'Outre-Mer et les pays étrangers. Paris, 1950. 656 p. 260 D74T

Statistics.

72126 FRANCIS, J. E. How the anti-red fur legislation was passed. *Natl. Fur News* 23(6):17, 24-26. July 1951. 412.628 R59

On controls on importation of furs.

72127 GARINO CANINA, F. Trade exchange in textiles in 1950. (In Italian.) *Cam. di Com. Indus. e Agr. di Milano. Studi e Statist.* 4(3):21-25. Mar. 1951. 280.9 M587B

Italy.

72128 GERMANY. FEDERAL REPUBLIC, 1949-. STATISTISCHES BUNDESAMT. Der aussenhandel der Bundesrepublik Deutschland, 1950. 2-3. Stuttgart, 1951. 2 v. 265 St2A

Have also for 1949.

72129 GREEN, G. W. Interesting facts re honey dumping. *Brit. Bee J.* 79:5-6. Jan. 6, 1951. 424.8 B77

72130 GRÊMIO DOS EXPORTADORES DE FRUTAS E PRODUTOS HORTICOLAS DO ALGARVE, FARO, PORTUGAL. Relatório e contas do exercício de 1950 e orçamento para 1951 [Report and accounts for the 1950 season and budget for 1951]. *Faro*, 1951. 21 p. 286.3939 G86

72131 HARMAN, R. D. Why fur farmers would benefit by quotas and duties. *Black Fox Mag. & Mod. Mink Breeder* 35(1):10, 27. May 1951. 410 B56

Import quotas.

72132 HICKMANN, E. Frankreichs aussenhandel mit lebensmitteln zu beginn 1950 im vergleich zu 1938, 1948 und 1949. *Rev. d'Etudes Econ. Franco-Allemandes* 2:33-40. Oct. 1950. 280.8 R3238

72133 HOPPER, W. C. United States provides market for Canadian food products. *Foreign Trade* 9:1055-1057. June 16, 1951. 286.8 C162

72134 HUGHES, G. F. G. Turkish agricultural production last year more satisfactory. *Foreign Trade* 10:56-58. July 14, 1951. 286.8 C162

Chiefly on trade.

72135 HUGHSON, C. Wheat agreement upheld and help for India endorsed by I.F.A.P. [International Federation of Agricultural Producers]. *Farmer's Advocate & Home Mag.* 86(3401):6, 27. June 28, 1951. 7 F22

72136 INDIA. MINISTRY OF COMMERCE. Review of the trade of India in 1945-46 & 1946-47. Calcutta, 1950. 241 p. 269.5 St2R

72137 INDONESIA. KANTOR PUSAT STATISTIK. Pertanian tanam'an ekspor [Agricultural exports], 1949. Djakarta, 1950. 50 p. 272 Ea7L

Contains explanatory notes in English.

72138 JALAKAS, R. The payments crisis in Western Germany. (In Swedish.) *Sweden. Stat. Jordbrämsnd. Jordbrekon. Meddel.* 13:211-219. May 1951. 257.3 J76

English summary, p. 192.

Its effect on Swedish export of agricultural products.

72139 KREDEL, O. Exportations de l'Allemagne Occidentale à destination de l'Union Française au cours de l'année 1950. *Rev. d'Etudes Econ. Franco-Allemandes* 7:22-57. Mar. 1951. 280.8 R3238

Text also in German.

Statistics.

72140 KUNZE, S. Ergebnisse der verhandlungen über die bierzölle in Torquay. *Brauwelt* 1951:477-478. June 7, 1951. 390.8 B732

72141 LAUGHTON, D. B. Large part of Venezuelan wheat supplies imported from Canada. *Foreign Trade* 9:1107-1109. June 23, 1951. 286.8 C162

72142 LEPIDI, J. Le commerce extérieur de la Tunisie en 1950. *B. Econ. et Social de la Tunisie* 51:35-40. Apr. 1951. 280.8 B874

Includes agricultural products.

72143 LOOSEN, R. Les importations de corps gras en France en 1950. *Oléagineux* 6:416-419. July 1951. 77.8 OL2

72144 MICHAELSON, C. Le commerce de la Suède avec des pays de l'Orient. (In Swedish.) *Sweden. Komkol. Kom. Meddel.* 38:261-271. May 1951. 257.3 K832K

Includes agricultural products.

72145 MUZIOL, R. Die nachkriegsentwicklung des englischen aussenhandels. *Kiel. U. Inst. f. Weltwirt. Kieler Studien* 5, 70 p. 1951. 280.9 K54K

72146 NAIDU, C. R., and PATEL, M. S. Development of foreign markets. *Indian Tobacco* 1:39-42. Jan./Mar. 1951. 69.8 In2

72147 NYASALAND PROTECTORATE. CUSTOMS DEPT. Annual report on the trade of the Protectorate for the year ended 31st December, 1950. Zomba, 1951. 75 p. 270 N983

72148 OLSON, R. E. The International Wheat Agreement. *Sowest. Social Sci. Q.* 32:38-44. June 1951. 280.8 So82

72149 ORGANISATION, européenne des marchés agricoles. France. Min. de l'Agr. *Rev. Etudes & Monog.* 57:85-88. Apr. 1951. 281.8 F84

72150 PAGANI, F. Even discard cheeses in "temporariness." (In Italian.) *Rinascita Agr.* 6(3):2. Dec. 1, 1950. 281.8 R47

Italian trade policy.

72151 PORTUGAL. INSTITUTO NACIONAL DE ESTATÍSTICA. Comércio externo, volume I, comércio por mercadorias e países 1950; commerce extérieur, volume I, commerce par marchandises et pays. Lisboa, 1951. 468 p. 264 F492

72152 PRÖSTLER, V. Vom behördlichen verteller zum freien handel; die stellung des berliner marktes zum gemüse- und fruchte-import. *Früchte u. Gemüse Markt* 3(22,sup.):7-8. June 1, 1951. 286.83 F9425

72153 RAO, P. M. My tobacco. *Indian Tobacco* 1:31-32. Jan./Mar. 1951. 69.8 In2

Trade.

72154 SHEAR, S. W. Wine import trends. *Wines & Vines* 32(6):10-11. June 1951. 95.8 C122

72155 STEIN, E. Der aussenhandel 1950 mit bier, hopfen und malz. I. *Brauwelt* 1951:299-300. Apr. 19, 1951. 390.8 B732

Germany.

72156 SUDAN. DEPT. OF ECONOMICS AND TRADE. Foreign trade report (with some internal statistics) 1949. Khartoum, 1950. 252 p. 270 Su22Fo

72157 SUPREME COMMANDER FOR THE ALLIED POWERS. ECONOMIC AND SCIENTIFIC SECT. Detailed import and export statistics of Japan by country and commodity for January-March 1951 and July 1950-March 1951. Pt. A: Imports by commodity, commodity by country and exports by commodity, commodity by country. Tokyo, 1951. 456 p. 269.7 Su7D

72158 TOBACCO ASSOCIATES. Annual report, 1950. Raleigh, 1951. 16 p. 69.9 T55

Trade.

72159 TRIESTE. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. Statistica del commercio di Trieste per l'anno 1950 [Trieste trade statistics for the year 1950]. Trieste, 1951. 83 p. 261 T73

72160 UNDURRAGA F., P. Los problemas de la industria: demuestra el esfuerzo de los exportadores. Agrario 15(421):16-18. Feb. 1951. 9.3 Ag85 Chilean wine industry.

72161 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Castor beans: imports into specific countries, average 1935-39 and 1940-44, annual 1945-1950. Washington, 1951? 1 p. 1.943 C275

72162 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Castor oil: imports into specified countries, average 1935-39 and 1940-44, annual 1945-1950. Washington, 1951? 1 p. 1.943 C273

72163 WEBB, R. D. The dollar apple controversy. Fruitation 1951:32-33,35-36. May/June 1951. 286.83 F949

British trade.

72164 WEISS, F. Schumanplan und europäische landwirtschaftsunion. Württemb. Wchnbl. f. Landwirt. 118: 523-524. June 30, 1951. 18 W96

72165 WELLMAN, H. R. The market for dried fruit in six European countries. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 57,59 p. Apr. 1951. 1.943 F763

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

72166 AMERICAN MEDICAL ASSOCIATION. COUNCIL ON FOODS AND NUTRITION. Handbook of nutrition; a symposium. Ed. 2. New York, Blakiston, 1951. 717 p. 389.1 Am352

72167 ANDROSS, M. Teaching of chemistry and physiology to dietitians. Nutr. Dietet. Catering 5:190-193. Summer 1951. 389.8 N959

72168 ASHBROOK, F. G. Transcendental gastronomic art. U. S. D. A. Ybk. 1950/51:653-659. 1 Ag84Y Cooking wild game.

72169 BATY, T. Vegetarianism and Buddhism. Veg. Messenger & Health Rev. 48:113-114. May 1951. 389.8 V522

72170 BURKE, B. S., and STUART, H. C. Nutritional requirements during pregnancy and lactation. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.299-326. New York, 1951. 389.1 Am352

72171 BUSH, M. C., and FEWER, E. P. Vita-min guide. Mehoopany, Pa., 1950. chart. 389.1 B96

72172 BUTT, H. R. Fat-soluble vitamins A, E, and K. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.219-232. New York, 1951. 389.1 Am352

In human nutrition.

72173 COLAÇO, A. T. F. About the nourishment of Africans. (In Portuguese.) Portugal. Agência Geral das Colón. B. Geral das Colón. 26(312):107-121. June 1951. 264 Ag3

English summary, p. 237.

72174 COPPING, A. M. Teaching of nutritional principles. Nutr. Dietet. Catering 5:204-206. Summer 1951. 389.8 N959

72175 CURTIS, G. M., and FERTMAN, M. B. Iodine in nutrition. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.111-136. New York, 1951. 389.1 Am352

72176 DARBY, W. J. Iron and copper. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.89-110. New York, 1951. 389.1 Am352

In human nutrition.

72177 DARROW, D. C., and PRATT, E. L. Fluid therapy. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.445-497. New York, 1951. 389.1 Am352

72178 DE, H. N. Iron metabolism with typical Indian dietaries and assessment of its requirement for normal Indian adult. Indian J. Med. Res. 38:393-400. Ref. Oct. 1950. 448.8 In22

72179 DONAHUE, W. T. Psychologic aspects of feeding the aged. Amer. Dietet. Assoc. J. 27:461-466. Ref. June 1951. 389.8 Am34

72180 ECKBLAD, I. M. Food and fun with friends; Unit II - 4-H Food and Fun Series. Wash. State Col. Ext. Mimeog. 1021,11 p. Apr. 1951. 275.29 W27M1

72181 ECKBLAD, I. M. Outdoor eating; Unit III - 4-H Food and Fun Series. Wash. State Col. Ext. Mimeog. 1022,9 p. Apr. 1951. 275.29 W27M1

72182 EKSTEIN, H. C. Fat in nutrition. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.23-42. New York, 1951. 389.1 Am352

72183 ELVEHJEM, C. A., and KREHL, W. H. Imbalance and dietary interrelationships in nutrition. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.383-408. New York, 1951. 389.1 Am352

72184 ELVEHJEM, C. A. The vitamin-B complex. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.161-196. New York, 1951. 389.1 Am352

In human nutrition.

72185 GOLD, A. Our daily bread. Veg. Messenger & Health Rev. (ser.8)48:137-141. June 1951. 389.8 V522

Human nutrition.

72186 HUNSCHER, H. A., and MACY, I. G. Dietary study methods. I. Amer. Dietet. Assoc. J. 27:558-563. Ref. July 1951. 389.8 Am34

72187 JEANS, P. C. Feeding of healthy infants and children. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.275-298. New York, 1951. 389.1 Am352

72188 JEANS, P. C. Vitamin D. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.205-218. New York, 1951. 389.1 Am352

In human nutrition.

72189 JOLLIFFE, N. Organization and functions of the nutrition clinics of the Department of Health of the City of New York. Nutr. Rev. 9:161-163. June 1951. 389.8 N953

72190 KEYS, A. Caloric undernutrition and starvation, with notes on protein deficiency. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.409-444. New York, 1951. 389.1 Am352

72191 KEYS, A. Energy requirements of adults. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.259-274. New York, 1951. 389.1 Am352

Calories.

72192 KING, C. G. Basic research on foods. Food Processing Preview 12(7):9,63. July 1951. 389.8 F7325

Nutrition research.

72193 KING, C. G. Vitamin C. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.197-204. New York, 1951. 389.1 Am352

In human nutrition.

72194 KUJAWSKI, J. S. Applying research and development to rations. Assoc. Food & Container Inst. Activ. Rpt. (n.s.)3:48-54. Apr. 1951. 389.9 As74A

Research of the Quartermaster Food and Container Institute.

72195 LEWIS, H. B. Proteins in nutrition. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.1-22. New York, 1951. 389.1 Am352

72196 LIGHTBODY, H. D. New food products needed by the armed forces. (Abs.) Food Technol. 5(5,sup.):31. May 1951. 389.7 F7398

72197 LOOPER, M. M., STEPHENS, M. S., and BURTON, H. B. Ways of adding calcium to the diet. Okla. Acad. Sci. Proc. 30:62-69. Ref. 1949, pub. Apr. 1951. 500 Ok42

72198 MCCLURE, F. J. Fluorine and other trace elements in nutrition. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.137-159. New York, 1951. 389.1 Am352

72199 MCCOY, R. H. Some nutritional developments of 1950. Nutr. Observ. 12:33-40. Apr. 1951. 389.8 N955

72200 MACLEOD, G., and SHERMAN, H. C. Recommended dietary allowances. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.233-257. New York, 1951. 389.1 Am352

72201 MANN, G. V., WHEELER, E. D., and STARE, F. J. Cholesterol and arteriosclerosis. Conf. Res. Proc. 3:14-21. 1951. 50.9 C762

- 72202 MANN, G. V., and STARE, F. J. Nutritional needs in illness and disease. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.351-382. New York, 1951. 389.1 Am352
- 72203 MENEZES, C. The problem of feeding seasonal workers. Canning Trade 73(50):7,18. July 2, 1951. 286.83 T67
- Field and plant workers in canning plants.
- 72204 MURRAH, P. Red Cross registration of nutritionists underway. Amer. Dietet. Assoc. J. 27:499-500. June 1951. 389.8 Am34
- 72205 NATIONAL TURKEY FEDERATION. 24 profit-making turkey dishes. Mount Morris, Ill., 1950. 15 p. 389.2 N216T
- 72206 NILES, E. H. Advances in nutrition. I. Ind. Pharm. 33:190. June 1951. 396.8 In22
- 72207 PERYAM, D. Present trends in armed forces food acceptance work. Assoc. Food & Container Inst. Activ. Rpt. (n.s.):3:22-28. Apr. 1951. 389.9 As74A
- 72208 PHIPARD, E. F., and STIEBELING, H. K. Adequacy of American diets. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.599-617. New York, 1951. 389.1 Am352
- 72209 ROJAS, L. G. Instituto de Nutrición de Centro América y Panamá. Nicaragua. Min. de Salubridad Pub. B. Sanit. (ser.2)9(50):19. First Q. 1951. 449.9 N51
- 72210 SACREZ, R., and BEYER, P. Le scorbut et les états de carence en vitamine C. Ann. de la Nutr. et de l'Aliment. 4:387-419. Ref. 1950. 389.8 An73
- 72211 SCHULZ, T. A "human needs" diet in April, 1951. Oxford. U. Inst. Statis. B. 13:173-177. June 1951. 280.9 Ox2B
- 72212 SEMPLE, D. Why be vegetarian? Veg. Messenger & Health Rev. (ser.8)48:141-143. June 1951. 389.8 V522
- 72213 SHAW, J. H. Nutrition in the dental school curriculum. Nutr. Observ. 12:22-26. Apr. 1951. 389.8 N955
- 72214 SHEPARD, M. C. How to buy, cook, and serve New Jersey asparagus. N. J. Agr. Col. Ext. L. 50, 4 p. Apr. 1951. 275.29 N46L
- Chiefly recipes
- 72215 SHEPARD, M. C. How to select and serve New Jersey strawberries. N. J. Agr. Col. Ext. L. 55, 4 p. May 1951. 275.29 N46L
- 72216 SHERMAN, H. C., and LANFORD, C. S. Essentials of nutrition. Ed. 3. New York, Macmillan, 1951. 454 p. Ref. 389.1 Sh5E
- 72217 SIGEL, E. R. Good food for diabetics. New York, Harper, 1951. 144 p. 389.1 Si2
- 72218 SOCIEDAD CHILENA DE NUTRICIÓN, BROMATOLOGÍA Y TOXICOLOGÍA. Labor desarrollada por la sociedad durante 1950. Soc. Chilena de Quím. B. 2(1/2): 95-96. Dec. 1950. 385 So18
- 72219 SPECTOR, H. Nutritional aspects of rations for the armed forces. Conf. Res. Proc. 3:22-31. 1951. 50.9 C762
- 72220 SPECTOR, H. Operational rations for the armed forces. Nutr. Observ. 12:29-33. Apr. 1951. 389.8 N955
- 72221 STEARNS, G. Human requirement of calcium, phosphorus and magnesium. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.67-88. New York, 1951. 389.1 Am352
- 72222 STETTEN, D., JR. Carbohydrate metabolism. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.43-65. New York, 1951. 389.1 Am352
- 72223 STIEGLITZ, E. J. Nutrition problems of geriatric medicine. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.327-349. New York, 1951. 389.1 Am352
- 72224 SUGAR INFORMATION. Sugar as a food. New York, 1951. 36 p. 389.1 Su3
- 72225 TRESSLER, D. K. The Quartermaster Food and Container Institute for the Armed Forces. Food Processing 12(5):9,63. May 1951. 389.8 F7325
- 72226 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Recipes for quantity service. U. S. D. A. PA-157, 31 p. May 1951. 1 Ag84Pro
- 72227 U. S. EXTENSION SERV. Important problems in foods and nutrition growing out of present situation, by E. L. Blanchard. Washington, 1951. 1 p. 1.913 F4Im7
- Statement prepared for Conference on Strengthening Homes in the Emergency, Apr. 25-27, 1951, Washington, D. C.
- 72228 VINCENTY, C. N. The present status of yeast in human nutrition with particular application to the Puerto Rican rural diet. Crisol 4:83-94. Ref. Nov./Dec. 1950. 385 C86
- 72229 WALKER, V. W. Food service in homes for the aged. I-II. Amer. Dietet. Assoc. J. 27:467-474. June 1951. 389.8 Am34
- 72230 WASHINGTON. STATE COLLEGE. EXTENSION SERV. 4-H food projects. Wash. State Col. Ext. Mimeog. 1027, 3 p. May 1951. 275.29 W27Mi
- 72231 WASHINGTON. STATE COLLEGE EXTENSION SERV. Surveys and evaluating foods activities. Wash. State Col. Ext. Mimeog. 1026, 1 p. May 1951. 275.29 W27Mi
- Food choices of 4-H Club boys and girls.
- 72232 WILLS, H. J. Military rations; military characteristics and operational rations. Assoc. Food & Container Inst. Activ. Rpt. (n.s.):3:10-17. Apr. 1951. 389.9 As74A
- 72233 WOODS, R. The citrovorum factor. Borden's Rev. Nutr. Res. 12:59-70. Ref. June 1951. 389.8 B64
- 72234 YOUMANS, J. B. Deficiencies of the fat-soluble vitamins. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.499-532. New York, 1951. 389.1 Am352
- 72235 YOUMANS, J. B. Deficiencies of the water-soluble vitamins. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.533-576. New York, 1951. 389.1 Am352
- 72236 YOUMANS, J. B. Mineral deficiencies. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.577-598. New York, 1951. 389.1 Am352

FOOD HABITS

- 72237 CLARK, F., and COLVIN, E. How nutritious are city diets? Agr. Situation 35(6):11-12. June 1951. 1 Ec7Ag
- 72238 LAL, S. B. Dietary habits of depressed class (Chairo and Dusadh) in Palamau. Indian J. Med. Res. 38: 369-375. Oct. 1950. 448.8 In22
- 72239 LAL, S. B. Observation on changes in dietary and physique of mining population in Jharia coal-fields (Bihar). Indian J. Med. Res. 38:401-411. Oct. 1950. 448.8 In22

NUTRITIVE AND VITAMIN CONTENT

- 72240 BAYMA, C. Nutritive value of oats. (In Portuguese.) Seleç. Agr. 6(61):57-58. May 1951. 9.2 Se4
- In relation to other foods.
- 72241 CALIMERI, M. Bread as a source of calcium in the diet. I. (In Italian.) Arte Bianca 6(16):3. June 1, 1951. 389.8 Ar7
- 72242 CARLSON, A. J. Meat throughout life. Conf. Res. Proc. 2:11-12. 1950. 50.9 C762
- Nutritive value.
- 72243 CHALONER, E. Vitamins from the small garden. Health & Soil 1951:24-28. Spring 1951. 56.8 H34
- 72244 CLUNY, F. The vitamin and calcium content in wheat flour. Health & Soil 1951:7-9. Spring 1951. 56.8 H34
- 72245 COOK, B. B., and others. The effect of heat treatment on the nutritive value of milk proteins. III. J. Nutr. 44:217-235. Ref. June 11, 1951. 389.8 J82
- J. Fraenkel-Conrat, B. Singer, A. F. Morgan, R. Buell, and J. G. Moises, joint authors.
- 72246 COWGILL, G. R. Improving the quality of cheap staple foods. In American Medical Association. Council on Foods and Nutrition. Handbook of nutrition, ed. 2, p.677-697. New York, 1951. 389.1 Am352
- Food enrichment.
- 72247 CRUZ, J. A. DA. Nutrition in the Cape Verde Islands and its biological value. (In Portuguese.) Inst. de Med. Trop. An. 7:337-395. July 1950. 448.9 L68
- English summary.
- 72248 DELINDATI, G. Copper and vitamin C in processed tomatoes. (In Italian.) Indus. Ital. delle Conserve 25:187-190. Ref. Nov./Dec. 1950. 389.8 In23
- 72249 DUNCAN, C. W., and others. The chemical composition and nutritive value of yellow dent corn grain. I-II. Mich. Agr. Expt. Sta. Q. B. 33:351-371. Ref. May 1951. 100 M58S
- I, The iron, manganese and gross calorie content by C. W. Duncan, S. L. Bandemer, E. J. Benne, C. F. Huffman, and B. C. R. Sarkar; II, The thiamin, riboflavin, niacin and pantothenic acid content by B. C. R. Sarkar, R. W. Luecke, C. F. Huffman, and C. W. Duncan.
- 72250 ELVEHJEM, C. A. Vitamin B12. Conf. Res. Proc. 2:1-10. Ref. 1950. 50.9 C762
- Content in food and other biological materials.

- 72251 EVANS, R. J., BUTTS, H. A., and DAVIDSON, J. A. The vitamin B₆ content of fresh and stored shell eggs. *Poultry Sci.* 30:515-519. Ref. July 1951. 47.8 Am33P
- 72252 GROSSMAN, M. I. Fat in human nutrition. *Conf. Res. Proc.* 2:28-32. 1950. 50.9 C762 Nutritive value.
- 72253 HODSON, A. Z. Terminal heating of infant formula. V. Retention of nutritive value of milk proteins. *Amer. Dietet. Assoc. J.* 27:488-490. Ref. June 1951. 389.8 Am34
- 72254 HOFFMANN-LA ROCHE. Information for rice mills on meeting new Puerto Rican enrichment law. *Rice J.* 54(6):26-27. June 1951. 59.8 R36
- 72255 HOWE, P. E. About the use of animals for food. *U. S. D. A. Ybk.* 1950/51:105-109. 1 Ag84Y Nutritive value of meat, eggs and milk.
- 72256 JAFFE, W. Nota sobre el maíz como alimento humano. *Acta Cient. Venezol.* 1:165. Nov./Dec.1950. 475 Ac83 English summary.
- 72257 KON, S. K. Teneur en vitamines du lait. *Ann. de la Nutr. et de l'Aliment.* 5:211-230. Ref. 1951. 389.8 An73 Includes discussion.
- 72258 LABAY. Le miel est plus qu'un aliment c'est l'ange gardien de la santé. *Cour. Apic. Franç.* 4:33. Mar./Apr.1951. 424.8 C832
- 72259 LETZIG, E. Beitrag zur frage der diätetischen wirkung von hafererzeugnissen. *Z. f. Lebensmtl.-Untersuch. u. -Forsch.* 92:170-178. Mar.1951. 384 Z39
- 72260 MENGEPIER. Rachitisbekämpfung durch vitaminisierte milch. *Molk.-Ztg.* 5:629. June 7,1951. 44.8 M735
- 72261 MENDER, A. Wesen und bedeutung des phytinproblems bei der getreidenahrung. *Deut. Müller-Ztg.* 49:95-96. Feb.21,1951. 298.8 Su2
- 72262 MURPHY, E. F., and COVELL, M. R. Tomatoes in Maine. *Maine. Agr. Expt. Sta. B.* 489,70 p. Ref. Mar.1951. 100 M28S Factors effecting nutritive value.
- 72263 PERMENTER, L., and SHEETS, O. Vitamin C in eleven varieties of lima beans. *Miss. Farm Res. [Miss. Sta.]* 14(6):2. June 1951. 100 M69Mi
- 72264 PHIPARD, E. F. Changes in the bread you buy. *U. S. D. A. Ybk.* 1950/51:115-120. 1 Ag84Y
- 72265 PROCTOR, B. E., and LANG, D. A. Vitamin B₁₂ content of soft- and hard-shell clams. *Nature [London]* 168:36-37. July 7,1951. 472 N21
- 72266 SAHASRABUDHE, M. R., and SUBRAHMANYAN, V. Studies on the nutritive value of blended vanaspathi. I. Digestibility of fats. *J. Sci. & Indus. Res.* 10B:119-120. May 1951. 475 J82
- 72267 SWANSON, P., and EVERSON, G. Ice cream is good—and good for you. *Iowa. State Col. Agr. Ext. Iowa Farm Sci.* 6:11-13. July 1951. 275.28 Io94
- 72268 TANNER, F. W., JR., and PFEIFFER, V. F. Production of riboflavin by fermentation. *U. S. D. A. Ybk.* 1950/51:759-763. 1 Ag84Y
- 72269 TRENDTEL. Die biologische wertigkeit von kase. *Molk.-Ztg.* 5:515-516. May 17,1951. 44.8 M735
- 72270 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Food values in common portions. *U. S. D. A. AIB-36*, 8 p. Apr.1951. 1 Ag84Ab
- 72271 VÅRT kosthold, til daglig bruk og til trening, til bedre helse og helsebot. Næringslister med syrer og baser, vitaminer, mineralinnhold og kalorier o. s. v., samt liste over vitaminenes virkning og forekomst [Our nutrition, in daily life and for training, for better health and cure. Nutritive lists with acids and bases, vitamins, mineral contents and calories, etc. as well as a list of the effects and the occurrence of vitamins]. Oslo, Cammermeyer,1950. 48 p. 389.1 K842
- 72272 WESTERMAN, B. D., and STONE, M. Improving the nutritive value of flour. IV. The significance of the use of enriched flour in the diet. *J. Nutr.* 44:313-325. June 11,1951. 389.8 J82
- 72273 WOLFF, I. A., and MACMASTERS, M. M. A source of our daily energy. *U. S. D. A. Ybk.* 1950/51:123-124. 1 Ag84Y Starch.

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 72274 BAILEY, F. O. A closer look at agriculture's reorganization. *Amer. Forests* 57(7):18-19,20. July 1951. 99.8 F762 U. S. Dept. of Agriculture.
- 72275 BARNETT, S. A., BATHARD, A. H., and SPENCER, M. M. Rat populations and control in two English villages. *Ann. Appl. Biol.* 38:444-463. Ref. June 1951. 442.8 An72
- 72276 BELLAVITE, F. Chemical products for agriculture. (In Italian.) *Mercato* 6(20):3. (To be cont.) May 19,1951. 286.8 M534
- 72277 CALIFORNIA. DEPT. OF AGRICULTURE. Thirty-first annual report, period ending December 31, 1950. *Calif. Dept. Agr. B.* 39:153-477. Oct./Dec.1950. 2 C12M
- 72278 CLARK, W. F. 4-H conservation. *N. Y. State Conserv.* 5(6):10-11. June/July 1951. 279.8 N48
- 72279 COUCH, J. F. Selected references to the literature on rutin, vitamin P, flavonoids and related subjects. *U. S. Bur. Agr. & Indus. Chem. AIC-192* (sup. 1), 29 p. Mar.1951. 1.932 A2Ag82
- 72280 DAVIS, V. H. If you just ignore rats you are being robbed! *Ohio Farm Bur. News* 30(12):24-25. July 1951. 6 Oh34 Control with Warfarin.
- 72281 DEEDS, F. Mechanism of rutin action. *U. S. D. A. Ybk.* 1950/51:746-750. 1 Ag84Y
- 72282 DUNK, M. R. Get rid of summer rats; details on how to use warfarin for rat control. *Poultry Tribune* 57(7):8-9,21. July 1951. 47.8 P8642
- 72283 FEDERATION OF MALAYA. DEPT. OF AGRICULTURE. Annual report for the year 1949. Kuala Lumpur,1951. 87 p. 22.5 F31R
- 72284 FHÖLENHAG, T. The rat war goes on. (In Swedish.) *Våra Pälstdjur* 22:157-159. June 15,1951. 410 V42
- 72285 FYFE, J. L. Lysenko is right. London, Lawrence & Wishart,1950. 65 p. 443 F99
- 72286 GT. BRIT. COMMITTEE ON THE ORGANISATION OF THE MINISTRY OF AGRICULTURE AND FISHERIES. Report of the committee appointed to review the organisation of the Ministry of Agriculture and Fisheries. London,H. M. Stationery Off.,1951. 56 p. 10 G7922
- 72287 HEINZ, H. J. Neuere erfahrungen über die bekämpfung von hausratten mit den schwermetallgiften thalliumsulfat und zinkphosphid. *Anz. f. Schädlingsk.* 24:91-94. Ref. June 1951. 421 An9
- 72288 HICKS, E. A. Common hawks and owls of Iowa. *Iowa. Agr. Expt. Sta. Iowa Youth Ser.* 2, 23 p. Aug. 1950. 100 Io91
- 72289 ILLINOIS. DEPT. OF AGRICULTURE. Thirty-third annual report for the fiscal year beginning July 1, 1949, and ending June 30, 1950. Springfield,1951. 197 p. 2 IL6R
- 72290 JARRELL, T. D. List of publications and patents, Bureau of Agricultural and Industrial Chemistry, issued during fiscal year ended June 30, 1950. *U. S. D. A. Agr. Inform. B.* 37,33 p. Apr.1951. 1 Ag84Ab
- 72291 JOGLAR RODRÍGUEZ, F. Su enemigo. Mátelo! *P. R. Agr. Col. Ext. Fol. A-13*, 6 p.-folder. Apr.1951. 275.29 P96A
- 72292 KENYA. DEPT. OF AGRICULTURE. Annual report, 1949. Nairobi,1951. 29 p. 24 Af8A
- 72293 KENYA. DEPT. OF AGRICULTURE. Annual review, 1950. Nairobi?1950. 82 p. 24 K423
- 72294 KLEČKA, A. The essence of sorts and the intervarietal relations. (In Czech.) *Českoslov. Akad. Zeměděl. Věst.* 25:4-12. Apr.1951. 19.5 C332 Genetics.
- 72295 LAMBERT, J. G. Faits et idées d'hier et d'aujourd'hui en matière d'évolution et d'hérédité. *Ann. de Gembloux* 57:61-81. (Cont.) Second Q.1951. 13 G28

- 72296 LAZIER, W. A. Antibiotics in agriculture. *Chemurg. Digest* 10(7):21-23. July 1951. 381 N213Na
- 72297 MCGINNIS, R. J. Increible extremo a que puede llegar la plaga de conejos; el caso de Australia. *Campesino [Santiago]* 83(4):37. Apr. 1951. 9.3 So12
- 72298 MEHL, S. Fortschritte in technik und organisation der rattenbekämpfung auf dem lande. *Blol. Zentanst. f. Land- u. Forstwirt. Mitt.* 70:136-139. Feb. 1951. 410.9 G31M
- 72299 MENIN, F. Radioisotopes, what they are and the purpose they serve in agriculture. (In Italian.) *Informatore Agr.* 7(11):6. June 1, 1951. 281.8 In32
- 72300 NEW HAMPSHIRE. UNIVERSITY. COLLEGE OF AGRICULTURE AND THE MECHANIC ARTS. EXTENSION SERV. List of publications for year-round help with your garden, farm, home, and poultry. Durham, 1951. 8 p. 275.29 N452L
- New Hampshire Agricultural Experiment Station cooperating.
- 72301 OKLAHOMA ACADEMY OF SCIENCE. Proceedings, v. 30; papers presented at the thirty-eighth annual meeting, December 2 and 3, 1949, Enid, Oklahoma. n.p., 1951. 225 p. 500 Ok42
- 72302 ROOS, M. J. An interesting chapter in genetics. Why are inbred varieties more susceptible to some diseases? (In Dutch.) *Pels en Pluim* 6(12):1-2. June 15, 1951. 47.8 P36
- 72303 SANCHEZ-MONGE, E. Lysenko y su genetica Michurino Marxista. *Siembra [Madrid]* 7:10-13. Ref. Jan. 1951. 15 Si1
- 72304 SANTO DOMINGO. CÁMARA OFICIAL DE COMERCIO, AGRICULTURA E INDUSTRIA. Memoria de las labores realizadas durante el año 1950. Ciudad Trujillo, 1951. 78 p. 287 Sa58
- 72305 SOUTH DAKOTA. DEPT. OF AGRICULTURE. Thirtieth annual report for the fiscal year ending June 30, 1950. Pierre, 1951. 335 p. 2 So84B
- 72306 SWEDEN. LANTBRUKSSTYRELSEN. Kalender över Svenska Lantbruket [Swedish agricultural calendar], 43d, 1951. Stockholm, 1951. 224 p. 11 Sw3K
- 72307 UGANDA. DEPT. OF AGRICULTURE. Annual report for the year ended 31st December, 1949. Entebbe, 1951. 45 p. 24 Ug12
- 72308 U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriations for 1952. Hearings, 82d Cong., 1st sess. on H. R. 3973, making appropriations for the Department of Agriculture for the fiscal year ending June 30, 1952. Washington, 1951. 922 p. 1 Ag81Ses
- 72309 U. S. DEPT. OF AGRICULTURE. Slidefilms of the U. S. Department of Agriculture. U. S. D. A. Agr. Handb. 17, 29 p. Apr. 1951. 1 Ag84Ah
- 72310 U. S. DEPT. OF AGRICULTURE. LIBRARY. Partial list of United States farm papers received in the U. S. Department of Agriculture Library. U. S. D. A. Libr., Libr. List 18, rev., 2 p. May 1951. 1.916 L612
- 72311 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Popular publications for the farmer and homemaker, List No. 5, 1951, by E. W. Clay comp. Washington, 1951. 26 p. 1 P96Lf
- 72312 U. S. EASTERN REGIONAL RESEARCH LABORATORY. Publications and patents, July - December 1950. U. S. Bur. Agr. & Indus. Chem. AIC-180(sup.6), 15 p. 1951? 1.932 A2Ag82
- 72313 VÄSTMANLANDS LÄNS HUSHÄLLNINGSSÄLLSKAP. Västmanlands Läns Hushållningssällskap årsskrift [Yearbook of Västmanland Province Agricultural Society]. Västerås, 1951. 176 p. 11 V44A
- 72314 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE. Annual report for the year ended 30th June, 1950. Perth, 1951. 46 p. 23 W522
- 72315 WISCONSIN. ACADEMY OF SCIENCES, ARTS AND LETTERS. Transactions, 1951, v. 40, pt. 2. Madison, 1951. 328 p. 500 W75
- 72316 WOOD, K. Bird-friend of farmers; Franklin's gulls are better friends than most farmers realize. *Country Guide* 70(6):38-39. June 1951. 7 G76
- 72319 BISHOPP, F. C., SASSCER, E. R., and MUESEBECK, C. F. W. Sievert A. Rohwer, 1888-1951. *J. Econ. Ent.* 44:437-439. June 1951. 421 J822
- 72320 BÜRGEIN, Professor Andreas Kneucker. Bayer. Bot. Gesell. Ber. 28:299. 1950. 451 B34B
- 72321 BURKART, A. El botánico Henri F. Pittier (1857-1950). *Soc. Argentina de Bot. B.* 3:183-186. Oct. 1950. 451 So124
- Includes list of his publications.
- 72322 EDDY, C. John Clayton, Virginia botanist. *Gard. J.* 1:85-87. May/June 1951. 80 G1635
- 72323 FELDMANN, J. René Maire (1878-1949). *Rev. Gen. de Bot.* 58:65-88. Feb. 1951. 450 R326
- 72324 FRAUCHIGER, E. Den manen eines grossen unserer wissenschaft, Prof. Hermann Dexler (1866-1931). *Schweiz. Arch. f. Tierheilk.* 93:359-364. May 1951. 41.8 Sch9
- 72325 HANLEY, E. H., and CALHOUN, A. Douglas of the fir: 1798-1834. *Arboretum B.* 14:14-15, 30-31. Spring 1951. 451 Ar1
- 72326 HOLMGREN, A. Carl Metzger. Lantbrakad. Tidskr. 90:37-38. 1951. 104 Sw3
- 72327 HOYT, A. S., and CAFFREY, D. J. William Henry White 1892-1951. *J. Econ. Ent.* 44:435-436. June 1951. 421 J822
- 72328 KEITH, A. Aberdeenshire agriculture 1851-1951. *Scot. Agr.* 31:1-5. Summer 1951. 10 Sco82So
- 72329 KNOWLTON, C. H. Alfred Shepard Goodale. *Rhodora* 53:183. July 1951. 450 R34
- 72330 KRIECHBAUM. Die tragödie eines deutschen gartenbauschriftstellers (zum tode Camillo Schneiders). *Gart.-Z. Illus. Flora* 74:27-29. Mar. 1951. 80 G1991
- Includes list of his publications.
- 72331 KUNKEL, L. O. William Crocker (1874-1950). *Amer. Philos. Soc. Ybk.* 1950:277-280. 1950. 500 P533Y
- 72332 LILBURN, W. A century of forestry in North-East Scotland. *Scot. Agr.* 31:21-24. Summer 1951. 10 Sco82So
- 72333 MARSHALL, H. S. Boris Alexeievitch Fedtschenko. *Kew B.* 1951:28. 451 K51B
- 72334 MERRILL, E. D. Merritt Lyndon Fernald, (1873-1950). *Amer. Philos. Soc. Ybk.* 1950:287-295. 500 P533Y
- 72335 MOREAU, F. P. A. Dangeard (1862-1947). *Rev. Gen. de Bot.* 57:193-208. 1950. 450 R326
- 72336 MOREAU, J. P. Questions agricoles en Basse-Bourgogne au XVIIIe siècle. *Ann. de Geog.* 59:346-353. Nov./Dec. 1950. 473 An75
- 72337 MORTON, C. V. Willard Nelson Clute, 1869-1950. *Amer. Fern J.* 41:1-4. Jan./Mar. 1951. 450 Am35
- 72338 OGLOBIN, A. A. Dra. Deidamia Giambiagi de Calabrese (1895-1948). *Arthropoda* 1:384. Oct. 16, 1950. 421 Ar7
- 72339 POEVERLEIN, H. Lorenz Gerstlauer. Bayer. Bot. Gesell. Ber. 28:298-299. 1950. 451 B34B
- 72340 POEVERLEIN, H. Dr. Paul Dietel. Bayer. Bot. Gesell. Ber. 28:300-301. 1950. 451 B34B
- 72341 RANC, A. François Fresnau, "padre del caucho." *Rev. Indus. y Fabril* 6:228. Apr. 1951. 297.8 R322
- 72342 ROSAS COSTA, J. A. Filippo Silvestri (1873-1949). *Arthropoda* 1:384-386. Oct. 16, 1950. 421 Ar7
- 72343 SCHWIMMER, J. Dr. Hans Schack. Bayer. Bot. Gesell. Ber. 28:301-302. 1950. 451 B34B
- 72344 STEFFEN, A. Camillo Schneider zum gedächtnis. *Deut. Baumsch.* 3:57-59. Mar. 1951. 80 D486
- 72345 SYMON, J. A. Agricultural improvers of the North-East. *Scot. Farmer* 31:44-49. Summer 1951. 10 Sco82So
- Pioneers in agriculture in Scotland.
- 72346 THORGRIMSON, O. B. John Scouler, adventurer and explorer. *Arboretum B.* 14:16, 34-35. Spring 1951. 451 Ar1
- 72347 VUORINEN, J. Pauli Viktor Turoila 21. 11. 1900-110. 9. 1950. Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 22:137-140. 1950. 20 Su7M
- Includes list of his publications.
- 72348 WADE, J. S. Leland Ossian Howard (1857-1950). *Amer. Philos. Soc. Ybk.* 1950:296-304. 500 P533Y
- 72349 WOODSON, R. E., JR. Jesse More Greenman (1867-1951). *Mo. Bot. Gard. Ann.* 38:95-100. May 1951. 451 M69
- Includes list of his publications.

HISTORY AND BIOGRAPHY

- 72317 ALLAN, J. R. North-Eastern farmers 1851-1951. *Scot. Agr.* 31:17-20. Summer 1951. 10 Sco82So
- Farming changes.
- 72318 BARRUS, M. F. Harry Morton Fitzpatrick 1886-1949. *Mycologia* 43:249-266. May/June 1951. 450 M99
- Includes list of his publications.

HOME MANAGEMENT

- 72350 BARNARD, H. M. Tailoring a wool suit or coat. *Mo. Agr. Col. Ext. C.* 587, 20 p. Jan. 1951. 275.29 M69C

- 72351 BRUMBY, M. Collars and cuffs. La. Agr. Col. Ext. P. 1084,4 p. Feb.1951. 275.29 L93Ep
- 72352 ECKBLAD, I. M. Speedy meals with a pressure saucepan. Wash. State Col. Ext. Mimeog. 367,rev.,6 p. Jan.1951. 275.29 W27M1
- 72353 KELLER, L., and LOVELACE, I. Repairing upholstered furniture. Tenn. Agr. Col. Ext. P. 323,20 p. Feb.1950. 275.29 T25
- 72354 MCGIBNEY, I. Cinderella furniture. S. Dak. State Col. Agr. Ext. C. 464,12 p. Jan.1951. 275.29 So85
- 72355 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Family clothing—gift, home-made, handed-down, Minneapolis-St. Paul, Minn., 1948-49. U. S. Bur. Human Nutr. & Home Econ. Studies of Family Clothing Supplies. Prelim. Rpt. 5,18 p. June 1951. 1.982 T2St9
- 72356 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Family clothing inventories and purchases by place of residence, Minneapolis-St. Paul, Minn., Birmingham, Ala., 1948-49. U. S. Bur. Human Nutr. & Home Econ. Studies Family Clothing Supplies. Prelim. Rpt. 4, 15 p. May 1951. 1.982 T2St9
- 72357 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Printed publications for research workers and teachers. Washington, 1951. 2 p. 1.9 H755P
- 72358 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Free publications of interest to home-makers in cities, towns, and villages. Washington, 1951. 8 p.-folder. (List No. 10) 1 P96Lf
- 72359 WASHINGTON STATE COLLEGE. EXTENSION SERV. List of available materials—management in the home, household equipment, home furnishings and housing. Wash. State Col. Ext. Mimeog. 797,2 p. 1951? 275.29 W27M1
- 72360 WASMUTH, G. A business center for your home. W. Va. Agr. Col. Ext. Good Living Ser. 18. Strengthening the Home Front. Lesson 5,8 p. n.d. 275.29 W522G

INTERNATIONAL RELATIONS

- 72361 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Constitution, rules and regulations. Rome, 1951. 100 p. 389.9 F735Cr
- 72362 MCCORMICK, C. J. Beyond today's horizon. Washington, U. S. D. A., Off. Sec., 1951. 7 p. 1.91 A2M132
- Summary of remarks at the Twelfth FAO Council Session in Rome, Italy, June 11, 1951.
- International collaboration in agriculture.
- 72363 MAIER-BODE, F. W. Was ist die CEA? Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:851. June 7. 1951. 18 L2346
- Confédération Européenne de l'Agriculture.
- 72364 RAPER, A. F. Self help and Point Four. Foreign Agr. 15:115-119. June 1951. 1.9 Ec7For
- With reference to the Near East and Southeast Asia.
- 72365 UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION. Directory of international scientific organizations. Paris, 1950. 224 p. (Publication 619.) 225 Un353
- Includes agricultural organizations.
- 72366 WEILL, G. Les organismes internationaux au service de l'agriculture. France. Min. de l'Agr. Rev. Etudes & Monog. 57:93-106. Apr.1951. 281.8 F84

METEOROLOGY

- 72367 BANERJI, S. K. Rain-making. J. Sci. & Indus. Res. 10A:35. Jan.1951. 475 J82
- 72368 BENSIN, B. M. Agroclimatology investigations in the permafrost region of the Tanana Valley, Alaska. Natl. Res. Council. B. 122:76-77. Apr.1951. 330.9 N21
- 72369 COX, E. F. Meteorological observations for April 1951. Mass. Agr. Expt. Sta. Met. Ser. B. 748,4 p. Apr.1951. 100 M38H
- 72370 DEERING, F. J. Spring floods have followed winter drouth; how much increase resulted from cloud seeding? Farmer-Stockman 54(7):9,30. July 1951. 6 Ok45
- 72371 DESSAUER, P. A twister's coming. Farm J. 75(7):60,62. July 1951. 6 F2212
- Forecasting tornadoes 4 to 24 hours in advance.
- 72372 EVANS, T. H. Problems in rain making. Pub. Works 82(7):36-38,76. July 1951. 290.8 M922
- 72373 GRAY, W. G. Weather forecasts and agriculture. Scot. Farmer 59:633. Apr.7,1951. 10 Sco8

72374 KALACHIKOV, A. T. On the role of climatology and agricultural technique in the combat with drought. (In Russian.) Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklim. Uslovia Step' Ukrain. SSR i Puti Ikh Uluchsheniia; Trudy Konf. 1:142-147. 1950. 20 Uk73

- 72375 KERN, H. Untersuchung lokaler beeinflussungen der nächtlichen tiefsttemperatur in einem moorgebiet. Landwirt. Jahrb. f. Bayern 28:3-13. Jan./Feb. 1951. 18 L24
- 72376 ORTIZ, A. A. Registro estacional de lluvias en relación con la producción agrícola en la Republica. Bolsa de Com., Rosario. Rev. 39(941):13-16. Mar.31, 1951. 287 R71
- 72377 PING, A. W. The weather in 1950. Yorkshire Agr. Soc. J. 102:61-68. 1951. 10 Y7
- 72378 RAMDAS, L. A., and others. The study of current weather week by week during the year in relation to crop out-look and phenology. (Abs.) Indian Sci. Cong. Proc. 36(3):194. 1949. 513 In22
- A. K. Mallik, T. S. Govindaswamy, and P. V. Pimpalwadar, joint authors.
- 72379 RATTRAY, A. G. H. Agricultural Experiment Station: Salisbury; annual report of experiments, season 1949-1950; analysis of rainfall. Rhodesia Agr. J. 48:34-61. Jan./Feb.1951. 24 R34
- 72380 ROSARIO, C. DEL. The Weather Bureau—its functions and activities. Agr. & Indus. Life 13(4):17,27. Apr.1951. 25 Ag8
- Philippines.
- 72381 ROULLEAU, J. La pluie artificielle. Colon Franc. de Tunisie (ser.7)44(2201):3. (Cont.) June 9,1951. 24 C712
- 72382 ROULLEAU, J. Pluie naturelle et pluie artificielle. II. Colon Franc. de Tunisie (ser.7)44(2203):3. June 23,1951. 24 C712
- 72383 SWEARINGEN, T., and WAGENER, S. Rain-making: does it work? West. Live Stock 36(10):18,62-63. May 1951. 49 W523
- Yes, by T. Swearingen; No, by S. Wagener.
- 72384 UKRAINE. SOVET PO IZUCHENIU PROIZVODITEL'NYKH SIL. OTDELENIIE SEL'SKOKHOZIAISTVENNYKH NAUK. Agroklimatecheskie uslovia stepi Ukrainskoi SSR i puti ikh uluchsheniia; Trudy Konferentsii po probleme bor'by s zasukhoi v fizhnykh raionakh Ukrainskoi SSR [Agroclimatic conditions of the Ukrainian steppe and methods for their improvement; Proceedings of the Conference on the Problem of Combatting Drought in the southern districts of Ukrainian SSR], v. 1. Kiev, 1950. 162 p. 20 Uk73
- 72385 WHITMORE, J. S. The Towoomba Agricultural Research Station; a climatic study. Farming So. Africa 26:135-140. Apr.1951. 24 So842
- 72386 WILSON, B. Precipitaciones pluviales de nubes recalitrantes. Hereford 18:236-239. May 1951. 43.8 H42
- 72387 ZIMMERMAN, C. Can we predict tornadoes? Radar now is being used by weathermen to spot destructive storms and trace their courses so warnings can be issued. Capper's Farmer 62(7):18,30. July 1951. 6 M693

PERSONNEL

- 72388 U. S. DEPT. OF AGRICULTURE. What's your future? A guide for USDA employees' career development. U. S. D. A. Admin. Ser. 5,rev.,8 p. Mar.1951. 1 P432A
- 72389 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Agricultural officers in the foreign service. Washington? 1951. 5 p. 1.943 Ag85

RESEARCH

- 72390 AGRICULTURAL research in New Zealand. I. The Cawthron Institute. World Crops 3:255-257. July 1951. 281.8 W892
- 72391 ALASKAN SCIENCE CONFERENCE. Proceedings, Washington, November 9-11, 1950. Natl. Res. Council. B. 122,216 p. Apr.1951. 330.9 N21
- 72392 BLÜMKE. Versuchswesen in der praxis. Deut. Landwirt. Presse 74:88-89. (Concl.) Apr.7,1951. 18 D482
- 72393 CANADA. EXPERIMENTAL FARMS SERV. Annual report, 1949-1950. Ottawa, 1951. 87 p. 101 Ex6R
- 72394 CARDON, P. V. Interest of American public in agricultural research in Alaska. Natl. Res. Council. B. 122:36-37. Apr.1951. 330.9 N21

72395 CHAMPEVAL. La methode experimentale en agriculture. Voix des Colons 33(1606):1,3. (To be cont.) Apr.30,1951. 24 V85

72396 DIMOND, A. E. Agricultural research in the atomic age. Agr. Chem. 6(7):35-38,111-113. July 1951. 381 Ag8

Use of radioisotopes.

72397 FLORENSA, M. Los bienhechores. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 35:14-15. Apr.1951. 15 Sa7

Agricultural research.

72398 GT. BRIT. BRITISH COUNCIL. SCIENCE DEPT. Outline of the activities of the British Council in the sciences including agriculture, engineering, medicine and pure and applied sciences. n.p.,1950. 19 p. 501 L8482

72399 GUATEMALA. INSTITUTO AGROPECUARIO NACIONAL. Progress report and recommendations for Point IV, for the period from July 1 to December 31, 1950. n.p.,1950. 25 p. 280.9 G932

Research.

72400 HAWAII. AGRICULTURAL EXPERIMENT STATION. Biennial report 1948-1950. Honolulu,1951. 173 p. 100 H313

72401 INDIAN SCIENCE CONGRESS, 36, ALLAHABAD 1949. Proceedings. Calcutta,1949. 138 p. 513 In22

72402 INSTITUT POUR L'ENCOURAGEMENT DE LA RECHERCHE SCIENTIFIQUE DANS L'INDUSTRIE ET L'AGRICULTURE. Rapport annuel exercice 1950. Bruxelles,1951. 161 p. 330.9 In7

72403 IRWIN, D. L. Facilities for agricultural research in Alaska. Natl. Res. Council. B. 122:182-183. Apr.1951. 330.9 N21

72404 IRWIN, D. L. Status and accomplishments of agricultural research in Alaska. Natl. Res. Council. B. 122:40-41. Apr.1951. 330.9 N21

72405 KOENIG, N. Milestones at Mayaguez. Washington, U. S. Off. Expt. Sta.,1951. 4 p. 1.91 A2K81

Address on the occasion of the Golden Jubilee Celebration of the Federal Experiment Station in Puerto Rico, at Mayaguez, July 2, 1951.

72406 KUNSMAN, C. H. The tools the physicist uses. U. S. D. A. Ybk. 1950/51:25-34. 1 Ag84Y

72407 MARYLAND. AGRICULTURAL EXPERIMENT STATION. Agricultural progress through research; 63rd annual report, 1949/50. 1951? 100 M36S

72408 MINNESOTA. UNIVERSITY. HORMEL INSTITUTE. 1949-50 annual report. Minneapolis,1951. 80 p. 330.9 M663

Agricultural research.

72409 NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. Science and the land; the 1949-50 annual report. New Brunswick,1951? 167 p. 100 N46S

72410 PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer; supplement 2 to the 63d annual report. Pa. Agr. Expt. Sta. B. 529(sup. 2),10 p. Mar.1951. 100 P381

72411 PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer; supplement 3 to the 63d annual report. Pa. Agr. Expt. Sta. B. 529(sup. 3),11 p. June 1951. 100 P381

72412 PHILLIPS, G. R. Research interests and activities of the U. S. Department of Agriculture in Alaska. Natl. Res. Council. B. 122:13-16. Apr.1951. 330.9 N21

72413 RICHTER, J. Science at work for agriculture; the Beltsville story. Cotton Gln & Oil Mill Press 52(14): 15-16. July 7,1951. 304.8 C822

72414 SEEGER, S. La revolucion del campo. Asoc. Gen. de Agr. B. 294:2-3. May 15,1951. 8 As52

Inter-American Institute of Agricultural Sciences.

72415 SHERMAN, C. G. Agricultural research requested by farmers for development of Alaska. Natl. Res. Council. B. 122:38-39. Apr.1951. 330.9 N21

72416 SOUTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. Sixty-second annual report for the year ended June 30, 1949. Clemson,1950. 112 p. 100 So8

72417 SOUTHERN RESEARCH INSTITUTE. Report for the sixth year [1950]. Birmingham,1951. 31 p. 330.9 So86A

Includes research relating to agriculture.

72418 SOUTHERN RHODESIA. DIRECTOR OF RESEARCH AND SPECIALIST SERV. Annual report for the year ending 31st December, 1949. Salisbury,1950. 32 p. 24 R348

Agricultural research.

72419 TORNOW, W. Aufbau und finanzierung der landwirtschaftlichen forschung in Amerika. In Röhm, H., ed. Amerikanische landwirtschaft, p.269-295. Münster, 1950? 281.12 R63

72420 TRULLINGER, R. W. Science in the agriculture of tomorrow. U. S. D. A. Ybk. 1950/51:1-5. 1 Ag84Y

72421 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. What's new in farm science, by W. B. Van Arsdell, R. R. Legault, G. H. Brother, E. A. Beavens, and H. Schacht. Washington,1951. 6 p. 1.914 R2R11

Work of the Western Regional Research Laboratory.

72422 WADDINGTON, C. H., and MASON, I. L. Institute of Animal Genetics, Edinburgh. Research [London] 4:315-319. Ref. July 1951. 472 R31

STATISTICS

72423 DICK, I. D. The application of confluence analysis to agro-economic surveys. New Zeal. J. Sci. & Technol. B. Gen. Res. Sect. 31(6):1-10. May 1950. 514 N48B

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

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Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Administrative Series

U. S. DEPT. OF AGRICULTURE. What's your future? A guide for USDA employees' career development. U. S. D. A. Admin. Ser. 5, rev., 8 p. Mar. 1951. 1 P432A

Agricultural Handbooks

IRION, H. The principal laws relating to the establishment and administration of the National forests and to other Forest Service activities. U. S. D. A. Agr. Handb. 20, 80 p. May 1951. 1 Ag84Ah
Supersedes Miscellaneous Publication No. 135.

U. S. BUR. OF DAIRY INDUSTRY. DIV. OF DAIRY HERD IMPROVEMENT INVESTIGATIONS. List of sires proved in dairy-herd-improvement associations, 1951. U. S. D. A. Agr. Handb. 21, 218 p. May 1951. 1 Ag84Ah

U. S. DEPT. OF AGRICULTURE. Slidefilms of the U. S. Department of Agriculture. U. S. D. A. Agr. Handb. 17, 29 p. Apr. 1951. 1 Ag84Ah

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. MOTION PICTURE SERV. Motion pictures of the United States Department of Agriculture, 1951. U. S. D. A. Agr. Handb. 14, 53 p. 1950. 1 Ag84Ah

WOLFF, S. E. Harvesting and cleaning grass and legume seed in the Western Gulf Region. U. S. D. A. Agr. Handb. 24, 106 p. June 1951. 1 Ag84Ah

Enlargement of Agronomy Memorandum 56, U. S. Soil Conservation Service, Western Gulf Region.

Agricultural Information Bulletins

JARRELL, T. D. List of publications and patents, Bureau of Agricultural and Industrial Chemistry, issued during fiscal year ended June 30, 1950. U. S. D. A. Agr. Inform. B. 37, 33 p. Apr. 1951. 1 Ag84Ab

KERCHO, M. R., HERRICK, J. F., JR., and BURT, S. W. Use of recording and transcribing equipment in loading delivery trucks of produce wholesalers. U. S. D. A. Agr. Inform. B. 43, 20 p. May 1951. 1 Ag84Ab

KNAUS, K. System in the county extension office. U. S. D. A. Agr. Inform. B. 28, 24 p. Mar. 1951. 1 Ag84Ab

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Food values in common portions. U. S. D. A. AIB-36, 8 p. Apr. 1951. 1 Ag84Ab

WOLGAMOT, I. H. Tomatoes: facts for consumer education. U. S. D. A. AIB-32, 21 p. Ref. May 1951. 1 Ag84Ab

Agricultural Monographs

MUESEBECK, C. F. W., KROMBEIN, K. V., and TOWNES, H. K. Hymenoptera of America north of Mexico; synoptic catalog. U. S. D. A. Agr. Monog. 2, 1420 p. Apr. 1951. 1 Ag84Am

SIMS, G. J. Meat and meat animals in World War Two. U. S. D. A. Agr. Monog. 9, 149 p. Ref. Feb. 1951. 1 Ag84Am

Circulars

LARSEN, A. B. Johne's disease (paratuberculosis) of cattle. U. S. D. A. C. 873, 8 p. June 1951. 1 Ag84C

Supersedes Circular 104, Johne's disease (paratuberculosis) of livestock, by Elmer Lash and William Mohler.

MARX, R. E., and BIRKHEAD, J. W. Hay harvesting methods and costs. U. S. D. A. C. 868, 122 p. June 1951. 1 Ag84C

NIXON, R. W. Date culture in the United States. U. S. D. A. C. 728, rev., 57 p. Ref. Mar. 1951. 1 Ag84C

Farmers' Bulletins

BEATTIE, J. H., and DOOLITTLE, S. P. Watermelons. U. S. D. A. Farmers' B. 1394, rev., 30 p. Feb. 1951. 1 Ag84F

Earlier editions written by W. R. Beattie.

TULLIS, E. C. Diseases of rice. U. S. D. A. Farmers' B. 1854, slightly rev., 16 p. May 1951. 1 Ag84F

Home and Garden Bulletins

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Home canning of meat; reminders for success. U. S. D. A. Home & Gard. B. 6, 15 p. Mar. 1951. 1 Ag84Hg

Revision of U. S. Dept. of Agriculture AWI-110.

Leaflets

BISHOPP, F. C. Domestic mosquitoes. U. S. D. A. L. 186, rev., 8 p. Apr. 1951. 1 Ag84L

KELLOGG, C. E. How much fertilizer shall I use? A gardener's guide for converting tons or pounds per acre into pints, cups, tablespoons, or teaspoons per row or plant. U. S. D. A. L. 307, 6 p.-folder. Apr. 1951. 1 Ag84L

Formerly AIS-18.

OMAN, H. F., and STARK, R. H. Grass seed production on irrigated land. U. S. D. A. L. 300, 8 p. May 1951. 1 Ag84L

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Expansive farmhouses. U. S. D. A. L. 301, 4 p. Apr. 1951. 1 Ag84L

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Southern farmhouses. U. S. D. A. L. 303, 4 p. May 1951. 1 Ag84L

WILLIAMS, W. K. Protect hardwood stands from grazing. U. S. D. A. L. 86, rev., 8 p. 1951. 1 Ag84L

Program Aid

BAKER, V. W. Community gains from conservation farming. U. S. D. A. PA-146, 7 p. May 1951. 1 Ag84Pro

U. S. BUR. OF ANIMAL INDUSTRY. Defense against foreign animal diseases. U. S. D. A. PA-167, 9 p. May 1951. 1 Ag84Pro

U. S. BUR. OF ANIMAL INDUSTRY. More meat for defense; methods of obtaining more efficient livestock production. U. S. D. A. PA-156, 21 p. Apr. 1951. 1 Ag84Pro

U. S. RURAL ELECTRIFICATION ADMIN. Guide to management improvement. U. S. D. A. PA-164, 23 p. Apr. 1951. 1 Ag84Pro

Statistical Bulletins

BISHOP, D. R. Brazil: agricultural production and trade statistics. U. S. D. A. Statis. B. 97, 39 p. Apr. 1951. 1 Ag84St

U. S. BUR. OF AGRICULTURAL ECONOMICS. Statistics on cotton and related data. U. S. D. A. Statis. B. 99, 410 p. June 1951. 1 Ag84St

U. S. COMMODITY EXCHANGE AUTHORITY. Commodity futures statistics, 1949/50. U. S. D. A. Statis. B. 98, 51 p. May 1951. 1 Ag84St

Technical Bulletins

LAWSON, F. R., CHAMBERLIN, J. C., and YORK, G. T. Dissemination of the beet leafhopper [Circulifer tenellus] in California. U. S. D. A. Tech. B. 1030, 59 p. Ref. Mar. 1951. 1 Ag84Te

Unnumbered Publications

TRAINING IN ADMINISTRATIVE MANAGEMENT LEADERSHIP INSTITUTE, DENVER, 1950. Get your management ball rolling toward more effective public service; a summary of material developed at the USDA Leadership Institute [on] Training in Administrative Management, Denver, Colo., Apr. 2-13, 1951. Washington, 1951. 72 p. 1.91 C2G33

U. S. DEPT. OF AGRICULTURE. I am an American day. Washington, 1951. 4 p. 1.90 A21a1

U. S. DEPT. OF AGRICULTURE. Index-catalogue of medical and veterinary zoology. 13. Authors: R to Rzóška, by A. Hassall, M. A. Doss, J. M. Humphrey, and D. H. Ray. Washington, 1951. p.4055-4348. 1 An5Ind

U. S. DEPT. OF AGRICULTURE. The year - book of agriculture, 1950/51; crops in peace and war. Washington, 1951. 942 p. 1 Ag84Y

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

BRICE, B. A., and others. Permanent glass color standards for extracted honey. U. S. Bur. Agr. & Indus. Chem. AIC-307,5 p. May 1951. 1.932 A2Ag82
A. Turner, Jr., J. W. White, Jr., F. L. Southerland, L. S. Fenn, and E. P. Bostwick, joint authors.

COUCH, J. F. Selected references to the literature on rutin, vitamin P, flavonoids and related subjects. U. S. Bur. Agr. & Indus. Chem. AIC-192 (sup. 1), 29p. Mar. 1951. 1.932 A2Ag82

ESKEW, R. K., and others. Preparation of full-flavor frozen grape juice concentrates. U. S. Bur. Agr. & Indus. Chem. AIC-301,7 p. Mar. 1951. 1.932 A2Ag82

G. W. M. Phillips, R. P. Homiller, and N. H. Eisenhardt, joint authors.

MCCOLLOCH, R. J., NIELSEN, B. W., and BEAVENS, E. A. A new frozen avocado product. U. S. Bur. Agr. & Indus. Chem. AIC-305,3 p. Apr. 1951. 1.932 A2Ag82

U. S. EASTERN REGIONAL RESEARCH LABORATORY. Publications and patents, July - December 1950. U. S. Bur. Agr. & Indus. Chem. AIC-180(sup.6), 15 p. 1951? 1.932 A2Ag82

U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. The chemical composition of rice; a literature review, by E. R. McCall, C. L. Hoffpauir, and D. B. Skau. New Orleans, 1951? 48 p. 1.9321 S2C42

VAN ARSDEL, W. B. Principles of the drying process with special reference to vegetable dehydration. U. S. Bur. Agr. & Indus. Chem. AIC-300,89 p. Jan. 1951. 1.932 A2Ag82

AGRICULTURAL ECONOMICS, BUREAU OF

BREIMYER, H. F. The livestock situation and marketing outlook. Washington, U. S. Bur. Agr. Econ., 1951. 7 p. 1.941 A2B74

Address before the West Virginia Livestock Marketing Association at Jackson's Mill, Apr. 17, 1951.

CALIFORNIA CROP AND LIVESTOCK REPORTING SERV. California carlot shipments, fruits and vegetables, 1950. Sacramento, 1951. 44 p. 1.9 Ec741Car
Federal-State Market News Service cooperating.

HOLE, E., and BONDURANT, J. H. Farm costs and returns, 1950, with comparisons, commercial family-operated tobacco-livestock farms, Bluegrass area of Kentucky. U. S. Bur. Agr. Econ. F. M. 83,5 p. May 1951. 1.941 L6F22

STRICKLER, P. E., and SCHOLL, J. C. Harvesting and feeding oats. U. S. Bur. Agr. Econ. F. M. 85,4 p. June 1951. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. California annual poultry-hatchery report; summary for 1950. Sacramento, 1951. 14 p. 1.941 H8P862

California Department of Agriculture, Bureau of Agricultural Statistics cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer fruit and juice purchases, Jan.-Mar. 1951, by regions and type of retail outlet. Washington, 1951. 57 p. 1.941 M3R26

U. S. Production and Marketing Administration cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Cotton and cottonseed production, 1949 and 1950. Oklahoma City, 1951. 2 p. 1.941 H8C826

U. S. BUR. OF AGRICULTURAL ECONOMICS. Early lamb situation, May 1, 1951. Washington, 1951. 2 p. 1.9 Ec742Ea

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm costs and returns, 1950 with comparisons, 16 commercial family-operated farms in 8 major farming regions. U. S. Bur. Agr. Econ. F.M. 82,18 p. May 1951. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production and manpower requirements. Washington, 1951. 4 p. 1.941 H22F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Fruits (noncitrus); production, farm disposition, value, and utilization of sales, 1949 and 1950, by E. O. Schlotzhauer, O. M. Frost, and A. M. Caron. Washington, 1951. 33 p. 1.941 H8F94

U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho wool production, 1950. Boise, 1951. 2 p. 1.941 S8W88

U. S. BUR. OF AGRICULTURAL ECONOMICS. June 1, 1915, pig survey. Lafayette, 1951. 2 p. 252.25 Ag8P

Indiana Agricultural Experiment Station cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. List, peanut shellers and crushers operating, 1949-50 season. Washington, 1950. 5 p. 1.941 A2L683

U. S. BUR. OF AGRICULTURAL ECONOMICS. Livestock slaughter and meat production in 1950. Boston, 1951. 2 p. 1.941 S8L7563

U. S. BUR. OF AGRICULTURAL ECONOMICS. Livestock slaughter, by States, 1950. Washington, 1951. 14 p. 1.941 S8L755

U. S. BUR. OF AGRICULTURAL ECONOMICS. Livestock slaughter, meat and lard production, 1949 and 1950. Washington, 1951. 2 p. 1.941 H8L7557

U. S. BUR. OF AGRICULTURAL ECONOMICS. Merchantable potato stocks [Minnesota], February 1, 1951. St. Paul, 1951. 1 p. 1.941 S8P853

U. S. BUR. OF AGRICULTURAL ECONOMICS. Mint for oil-1951 acreage for harvest. Portland, Ore., 1951. 1 p. 1.941 H8M66

U. S. BUR. OF AGRICULTURAL ECONOMICS. 1951 fruit prospects (as of June 1). Portland, Ore., 1951. 2 p. 1.941 S8F942

U. S. BUR. OF AGRICULTURAL ECONOMICS. Strawberry and caneberry prospects (as of June 1, 1951). Portland, Ore., 1951. 1 p. 1.941 H8B452

U. S. BUR. OF AGRICULTURAL ECONOMICS. United States sheep and lamb on feed, January 1, 1951. Portland, Ore., 1951. 2 p. 1.941 H8Sh3

AGRICULTURAL RESEARCH ADMINISTRATION

DEAN, J. D. Chemical treatment gives cotton high resistance to rot and heat. U. S. Agr. Res. Admin. Res. Achvt. Sheet 136(C), 2 p. June 1951. 1.98 R31

ETCHELLS, J. L. Pasteurization aids pickle industry. U. S. Agr. Res. Admin. Res. Achvt. Sheet 138 (C), 2 p. June 1951. 1.98 R31

MARTIN, L. F. Valuable byproduct recovered in sugarcane processing. U. S. Agr. Res. Admin. Res. Achvt. Sheet 137(C), 2 p. June 1951. 1.98 R31

ANIMAL INDUSTRY, BUREAU OF

HENSARLING, T. A. Responsibilities of flock-selecting and pullorum-testing agents. Prepared at the request of Committee on NPIP training schools. Washington, U. S. Bur. Anim. Indus., 1951? 4 p. 1.972 A2R315

U. S. BUR. OF ANIMAL INDUSTRY. Poultry specialty clubs and national associations. U. S. Bur. Anim. Indus. A. H. D. 18, rev., 3 p. May 1951. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. Report on infectious equine encephalomyelitis in the United States in 1950, by B. T. Simms. Washington, 1951. 4 p. 1.9 An5Rep

U. S. BUR. OF ANIMAL INDUSTRY. Save pigs and feed by controlling parasites. Washington, 1951? 2 p. 1.972 A2Sa9

U. S. BUR. OF ANIMAL INDUSTRY. Steps in determining variability of the cockerel and pullet weights as to be reported in the N.P.I.P. meat production performance test. U. S. Bur. Anim. Indus. A. H. D. 140, 4 p. May 1951. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. Swine research. Beltsville, Md., 1951. 4 p. 1.972 A3Sw62

DAIRY INDUSTRY BUREAU OF

GORDON, C. H., and others. A comparison of wilted silage and half-dry silage stored in gas-tight silos, and their value as feed for dairy cattle. U. S. Bur. Dairy Indus. BDI-Inf-126,5 p. June 1951. 1.973 D4B34

J. B. Shepherd, H. G. Wiseman, and C. G. Melin, joint authors.

KANE, E. A., and others. Comparative digestion studies on orchard grass. U. S. Bur. Dairy Indus. BDI-Inf-124,3 p. June 1951. 1.973 D4B34

R. E. Ely, W. C. Jacobson, and L. A. Moore, joint authors.

MOORE, L. A. Feeding quality forage to dairy cattle. U. S. Bur. Dairy Indus. BDI-Inf-123,4 p. June 1951. 1.973 D4B34

Paper presented in symposium program on The Role of Roughage in Milk Production, at the annual meeting of the American Dairy Science Association, Knoxville, June 1951.

ENTOMOLOGY AND PLANT QUARANTINE,
BUREAU OF

KING, J. L., PARKER, L. B., and WILLARD, H. J. Status of imported parasites of the Japanese beetle [*Popillia japonica*] in 1950. U. S. Bur. Ent. & Plant Quar. Insect Pest Survey. Spec. Sup. 1951(5), 18 p. June 5, 1951. 1.9 En831B

KNIPLING, E. F. The new insecticides for controlling external parasites of livestock. U. S. Bur. Ent. & Plant Quar. E-762, rev., 28 p. June 1951. 1.9 En83

LAAKE, E. W. Screw-worm [*Callitroga americana*] survey in western United States. U. S. Bur. Ent. & Plant Quar. Insect Pest Survey. Spec. Sup. 1951(6), 7 p. July 5, 1951. 1.9 En831B

Presented at meeting of the Southwestern Branch of the American Association of Economic Entomologists at Dallas, Mar. 1-2, 1951.

POOS, F. W., and others. Tests with benzene hexachloride for the control of insects attacking peanuts, 1946-1949. U. S. Bur. Ent. & Plant Quar. E-820, 16 p. May 1951. 1.9 En83

T. N. Dobbins, E. T. Batten, and G. M. Boush, joint authors.

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Amendment of pink bollworm [*Pectinophora gossypiella*] quarantine and regulations. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-Q. 52,6 p. May 29, 1951. 1 F31

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Beet leafhopper [*Circulifer tenellus*] conditions in Utah, western Colorado and southern Nevada, 1951. Logan, Utah, 1951. 1 p. 1.967 A2B39

Utah Agricultural Experiment Station cooperating.

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Information about bee culture. U. S. Bur. Ent. & Plant Quar. E-276, rev., 11 p. May 1951. 1.9 En83

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. White-fringed beetle [*Graphognathus leucoloma*] quarantine and amended regulations. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-Q. 72, 18 p. May 10, 1951. 1 F31

EXTENSION SERVICE

BERESFORD, R. Livestock extension work—past, present, and future. Washington? U. S. Ext. Serv., 1951. 6 p. 1.913 A4L75

Talk at the annual meeting of the American Society of Animal Production, Chicago, Nov. 24, 1950.

ELDER, C. R. What the agricultural college editor can do about mobilization. Washington, U. S. Ext. Serv., 1951. 4 p. 1.913 I2W55

Talk at eighth annual meeting, Extension Editor Advisory Committee, Washington, D. C., May 7-11, 1951.

U. S. EXTENSION SERV. Community improvement organization type of program in the Southern States; some results and methods. Washington, 1951. 4 p. 1.913 A5C73

U. S. EXTENSION SERV. The Cooperative Extension Service and the family farm. Washington, 1951. 13 p. 1.913 A2C783

U. S. EXTENSION SERV. Extension and research relationships from different viewpoints. Papers given at Symposium on Extension and Research Relationships, annual meeting of the American Phytopathological Society, Memphis, Tenn., Dec. 2, 1950. Washington, 1951. 16 p. 1.913 P3Ex82

U. S. EXTENSION SERV. Important problems in foods and nutrition growing out of present situation, by E. L. Blanchard. Washington, 1951. 1 p. 1.913 F4Im7

Statement prepared for Conference on Strengthening Homes in the Emergency, Apr. 25-27, 1951, Washington, D. C.

U. S. EXTENSION SERV. List of publications on the efficient utilization of farm labor. Washington, 1951. 12 p. 1.913 A5L69

U. S. EXTENSION SERV. Objectives of extension; a partial summary, by K. F. Warner. Washington, 1951. 2 p. 1.913 A2Ob322

U. S. EXTENSION SERV. State and assistant State leaders in 4-H Club work. Washington, 1951. 7 p. 1.913 F3St22

U. S. EXTENSION SERV. State correspondents concerned with extension information and visual materials. Washington, 1951. 10 p. 1.913 I2St22

U. S. EXTENSION SERV. Twenty-first national 4-H Club Camp 1951; leaders attending. Washington, 1951. 5 p. 1.9 Ex892Fbwn

FARM CREDIT ADMINISTRATION

AMACKER, G. A., and SCANLAN, J. J. Plans and operations of farm and small commercial poultry dressing plants. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 147, 53 p. Dec. 1950. 166.3 M68

U. S. FARM CREDIT ADMIN. Annual report, 1949/50. Washington, 1951. 176 p. 1 Ag84

U. S. FARM CREDIT ADMIN. Research in agricultural cooperation: problem areas (preliminary statement). U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Spec. Rpt. 233, 40 p. July 1951. 166.2 Sp3

American Institute of Cooperation cooperating.

FEDERAL CROP INSURANCE CORPORATION

U. S. FEDERAL CROP INSURANCE CORPORATION. Loss adjustment manual for tobacco (for 1951 and succeeding crop years). Washington? 1951. 30 p. 1.952 L893

FOREIGN AGRICULTURAL RELATIONS,
OFFICE OF

ANDREWS, S. Needs of foreign countries for U. S. men trained in agriculture. Washington, U. S. Off. Foreign Agr. Relat., 1951. 10 p. 1.943 An2

Summary of remarks before the "Greater Issues" Group, Texas A. & M. College, May 16, 1951.

BOALS, G. P. The world rice balance. Washington, U. S. Off. Foreign Agr. Relat., 1951. 10 p. 1.943 B63

Summary of remarks before annual meeting of the Rice Miller's Association at Houston, June 1, 1951.

BURKE, J. H. A study of the citrus industry of Lebanon. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 58, 30 p. May 1951. 1.943 F763

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Agricultural officers in the foreign service. Washington? 1951. 5 p. 1.943 Ag85

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Castor beans: imports into specific countries, average 1935-39 and 1940-44, annual 1945-1950. Washington, 1951? 1 p. 1.943 C275

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Castor oil: imports into specified countries, average 1935-39 and 1940-44, annual 1945-1950. Washington, 1951? 1 p. 1.943 C273

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. List of foreign agriculture reports and foreign agriculture circulars relating to studies conducted under the provisions of the Research and Marketing Act, from October 27, 1947 (the beginning) through May 25, 1951. Rev. Washington, 1951. 18 p. (Exhibit No. 4) 1.943 L69

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Machine for field decortication of kenaf, by V. C. Pettit. Manati, Cuba, 1951. 3 p. 1.943 M18

WELLMAN, H. R. The market for dried fruit in six European countries. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 57, 59 p. Apr. 1951. 1.943 F763

FOREST SERVICE

DEMMON, E. L. Reducing wood waste in the Lake States. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 354,2 p. Apr.1951. 1.9 F7625T

DORAN, C. W. Reseeding trials in a sage-brush-pinyon-juniper area in western Colorado. U. S. Forest Serv. Rocky Mountain Forest & Range Expt. Sta. Res. Note 9,3 p. Mar.1951. 1.9622 R2R313

GERRY, E. Angélique or basra locus. *Dicorynia paraensis* Bth. (=D. *guianensis* Amsh.) Family: Leguminosae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1787,7 p. 1950. 1.9 R761R

LIMSTROM, G. A. Overburden analyses and strip-mine conditions in northeastern Ohio. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 114, 44 p. Jan.1950. 1.9622 C3T222

LONGWOOD, F. R. Ingrowth following cutting in northern hardwoods. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 352,1 p. Apr.1951. 1.9 F7625T

MAKI, T. E., and HENRY, B. W. Root-rot control and soil improvement at the Ashe Forest Nursery. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 119,23 p. May 1951. 1.9 F7624O

MERZ, R. Comparative survivals and costs of plantations by different methods of ground preparation and planting. U. S. Forest Serv. Cent. States Forest Expt. Sta. Note 64,2 p. May 1,1951. 1.9 F76252S

MOESSNER, K. E., BRUNSON, D. F., and JENSEN, C. E. Aerial volume tables for hardwood stands in the Central States. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 122,15 p. May 1951. 1.9622 C3T222

ROE, E. I. Early release from aspen improves yield of pine plantation. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 353,1 p. Apr.1951. 1.9 F7625T

STERNITZKE, H. S., and JAMES, L. M. Arkansas timber stands before and after cutting; a report of the Southern Forest Survey. U. S. Forest Serv. Forest Expt. Sta. Forest Survey Release 67,15 p. May 1951. 1.9 F7624F

STOECKELER, J. H., and HEINSELMAN, M. L. Deer damage may be reduced by use of repellents. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 355,1 p. Apr.1951. 1.9 F7625T

U. S. FOREST SERV. Expenditures for protection of State and private lands against forest fires during calendar year 1950. Washington,1951? 1 p. 1.962 C4Ex7

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Chemical brown stain in pine. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 254,rev., 3 p. Apr.1951. 1.9 F761

U. S. FOREST SERV. NORTHERN ROCKY MOUNTAIN FOREST & RANGE EXPERIMENT STATION. Forty years of forest research in the Northern Rocky Mountain region. Missoula,1950. 62 p. 1.9 F7628An

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Annual report, 1950. Portland,Oreg.,1951. 62 p. 1.9622 P2An7

U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Pine forest ranges in Louisiana, by J. T. Cassidy and R. S. Campbell. New Orleans, 1951. 7 p. 1.9622 S2P65

GRADUATE SCHOOL

HOPE, C. R. A visualized program for marketing. Washington,U. S. D. A.,Grad. Sch.,1951. 12 p. 1.984 V82

Address, Feb. 12, 1951, in the Jefferson Memorial Auditorium as one of a series of lectures on the subject of agricultural marketing presented under the auspices of the Graduate School, U. S. Department of Agriculture.

U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Report of the Graduate School, 1950. Washington,1951. 15 p. 1.9 Ag81Er

U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Report on educational statistics, 1950. Washington,1950. 25 p. 1.984 R29

U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Schedule of classes, summer session, 1951. Washington,1951. 4 p.-folder. 1 Ag854E

HUMAN NUTRITION AND HOME ECONOMICS,
BUREAU OF

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Family clothing—gift, home-made, handed-down, Minneapolis-St. Paul, Minn., 1948-49. U. S. Bur. Human Nutr. & Home Econ. Studies of Family Clothing Supplies. Prelim. Rpt. 5,18 p. June 1951. 1.982 T2St9

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Family clothing inventories and purchases by place of residence, Minneapolis-St. Paul, Minn., Birmingham, Ala., 1948-49. U. S. Bur. Human Nutr. & Home Econ. Studies Family Clothing Supplies. Prelim. Rpt. 4, 15 p. May 1951. 1.982 T2St9

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Printed publications for research workers and teachers. Washington,1951. 2 p. 1.9 H755P

INFORMATION, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Chemicals for controlling brush, by R. L. Lovvorn and M. E. Bliss. Washington,1951. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Electricity can help boost farm output, by C. R. Wickard, G. E. Dillon, and M. E. Bliss. Washington,1951. 4 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. For stronger family farms, by C. F. Brannan and K. M. Gapen. Washington,1951. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Free publications of interest to homemakers in cities, towns, and villages. Washington,1951. 8 p.-folder. (List No. 10) 1 P96Lf

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Popular publications for the farmer and homemaker, List No. 5, 1951, by E. W. Clay, comp. Washington,1951. 26 p. 1 P96Lf

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Roughages in dairy farming, by R. E. Hodgson and M. E. Bliss. Washington,1951. 4 p. 1.941 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. What's new in farm science, by W. B. Van Arsdell, R. R. Legault, G. H. Brother, E. A. Beavens, and H. Schacht. Washington,1951. 6 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Wonder drugs in livestock feeding, by H. R. Bird, J. Blight, and M. E. Bliss. Washington,1951. 4 p. 1.914 R2R11

LIBRARY

U. S. DEPT. OF AGRICULTURE. LIBRARY. Partial list of United States farm papers received in the U. S. Department of Agriculture Library. U. S. D. A. Libr., Libr. List 18,rev.,2 p. May 1951. 1.916 L612

PLANT INDUSTRY, SOILS, AND AGRICULTURAL
ENGINEERING, BUREAU OF

BARGER, W. R., and others. Transit icing tests with early White Rose potatoes from Kern County, California, to New York City, May and June, 1950. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 239,9 p. Dec.15,1950. 1.9 P772Ht

D. H. Dewey, B. A. Friedman, and A. L. Ryall, joint authors.

BLACK, D. T. High-clearance self-propelled canning corn sprayer. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Inform. Ser. 103,22 p. Apr.1951. 1.9 R531I

DROSDOFF, M., and PEARSON, R. W. Soil and leaf analysis in relation to abaca production in Central America. U. S. Bur. Plant Indus., Soils & Agr. Engin. Res. Rpt. 218,25 p. May 21,1951. 1.965 S4R312

HRUSCHKA, H. W., and KAUFMAN, J. Storage tests with prepackaged McFarlin and late Howes cranberries, 1950-1951. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 248,5 p. May 28,1951. 1.9 P772Ht

JOHNSON, H. B., and others. Texas tomato shipping test from south Texas to Jersey City, New Jersey May 1950; half stage versus full bunker refrigeration in fan cars with mature green Texas tomatoes in standard lugs. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 246,5 p. May 1951. 1.9 P772Ht

W. R. Buford, B. A. Friedman, and J. S. Wiant, joint authors.

MENZIES, J. D. Studies on some yellows-type potato viruses. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Res. Rpt. 219,9 p. Ref. May 31, 1951. 1.965 S4R312

MICK, A. H., and others. Soil survey, Newaygo County, Michigan. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey 1939(9), 68 p. Apr. 1951. 1 So32F

R. M. Basile, A. W. Gronlund, J. T. Stone, C. L. Bennett, C. H. Wonsler, and M. M. Striker, joint authors.

NELSON, C. E., LEAMER, R. W., and VIETS, F. G. Moisture and fertility studies on alfalfa on the Development Farm near Pasco, Washington. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Res. Rpt. 216,12 p. May 15, 1951. 1.965 S4R312

REDIT, W. H., and HEINZE, P. H. Transportation test of heaters in refrigerator cars with bananas, New Orleans to Winnipeg, January 1951. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 241,11 p. Apr. 1951. 1.9 P772Ht

RETZER, J. L., and others. Soil survey, Stockton area, California. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey 1939(10), 121 p. Ref. May 1951. 1 So32F

T. W. Glassey, A. M. Goff, and F. F. Harradine, joint authors.

SMITH, L. H., OLSEN, H. A., and FOX, W. W. Soil survey, Clallam County, Washington. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey 1938(30), 55 p. Apr. 1951. 1 So32F

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. 1950 report of the Uniform Alfalfa Nurseries, conducted cooperatively with the various State and Federal agricultural experiment stations in the United States and Canada represented in The Alfalfa Improvement Conference, by O. S. Aamodt. Beltsville, Md., 1950. 184 p. 1.9 P691Rep

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Progress report on the annual varietal and environmental study of fiber and spinning properties of cottons, 1949 crop. Beltsville, 1950. 80 p. 1.965 C3P94

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Summary of cooperative radiophosphorus field experiments, 1950 and review of published data from radiophosphorus field experiments, by R. W. Pearson, R. Q. Parks, S. R. Olsen, C. A. Black, L. B. Nelson, and L. A. Dean. Beltsville, 1951. 38 p. Ref. 1.965 S2Su6

WELLS, A. W. The storage of edible nuts. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 240,10 p. Mar. 27, 1951. 1.9 P772Ht

WRIGHT, T. R., and SMITH, E. Fruit temperatures in commercial northwestern apple shipments protected with automatic alcohol heaters during January and February 1951. U. S. Bur. Plant Indus., Soils, & Agr. Engin. H. T. & S. Off. Rpt. 249,4 p. May 1951. 1.9 P772Ht

PRODUCTION AND MARKETING ADMINISTRATION

STOOPS, D. Disposal of surplus commodities. Washington, U. S. Prod. & Mktg. Admin., 1950. 3 p. 1.956 A21St7

Speech before the Department of Agriculture participants of the Midcentury White House Conference on Children and Youth, Nov. 30, 1950.

U. S. PRODUCTION AND MARKETING ADMIN. Cured pork cuts and lard: weekly average wholesale price per 100 pounds, Chicago, 1950. Washington, 1951. 2 p. 1.9422 M8C92Chw

U. S. PRODUCTION AND MARKETING ADMIN. Dressed meats—beef—weekly average wholesale price per 100 pounds, Chicago, 1950. Washington, 1951. 2 p. 1.9422 M8W52Bcw

U. S. PRODUCTION AND MARKETING ADMIN. Feed and livestock production. Washington, 1951. 4 p. 1.956 G76F325

U. S. PRODUCTION AND MARKETING ADMIN. Fire-cured tobacco market review, 1950-51 season. Washington, 1951. 32 p. 1.9 Ec714T

U. S. PRODUCTION AND MARKETING ADMIN. Flue-cured tobacco market review, 1950-51 season. Washington, 1951. 46 p. 1.9 Ec714T

U. S. PRODUCTION AND MARKETING ADMIN. 1951 production guides handbook. Washington, 1951. 75 p. 1.9424 A8P94

U. S. PRODUCTION AND MARKETING ADMIN. Official United States standards for grades of vealers and slaughter calves. U. S. Prod. & Mktg. Admin. S.R.A.-P.M.A. 113, rev., 4 p. Mar. 1951. 1 M34S

U. S. PRODUCTION AND MARKETING ADMIN. South Dakota bin site directory. n.p., 1951? 16 p. 1.956 A2So82

U. S. PRODUCTION AND MARKETING ADMIN. Tentative standard grades for Ohio cigar-leaf tobacco (U. S. types 42, 43, and 44). Rev. Washington, 1951. 11 p. 1.956 A2T2694

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned sweet potatoes. Rev. Washington, 1951. 8 p. 1.9 Ec792Sw

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of Cheddar cheese. Washington, 1950. 5 p. 1.9422 D32C412

U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for oranges (California and Arizona). Washington, 1951. 12 p. 1.956 A2Un338

U. S. PRODUCTION AND MARKETING ADMIN. Unloads of fresh fruits and vegetables at Washington, D. C., 1950. Washington, 1950. 27 p. 1.9 Ec741Cu

U. S. PRODUCTION AND MARKETING ADMIN. Western dressed fresh meats—beef—monthly average wholesale price per 100 pounds, New York, 1950. Washington, 1951. 2 p. 1.9422 M8W52Bn

U. S. PRODUCTION AND MARKETING ADMIN. Western dressed fresh meats—pork cuts—monthly average wholesale price per 100 pounds, New York, 1950. Washington, 1951. 2 p. 1.9422 M8W52Pn

WINTER, J. C. Research in truck transportation of perishable products. Washington, U. S. Prod. & Mktg. Admin., 1951. 10 p. 1.957 W73

Address at the 1951 Spring meeting of American Trucking Association, Inc., San Francisco, May 17, 1951.

RURAL ELECTRIFICATION ADMINISTRATION

HAGGARD, G. W. Relationships with borrowers. Washington, U. S. Rur. Electrification Admin., 1951. 6 p. 1.933 H12

Talk at 1951 Field Conference, Old Point Comfort, Va. and Salt Lake City.

U. S. RURAL ELECTRIFICATION ADMIN. Cold facts; how members of frozen food locker co-ops can eat better for less. Washington, 1951. 12 p. 1 R88Co

U. S. RURAL ELECTRIFICATION ADMIN. Electric home pasteurizers. Rev. Washington? 1950. 9 p. 1.933 EL237

WICKARD, C. R. Power in the hands of the people. Washington, U. S. Rur. Electrification Admin., 1951. 5 p. 1.91 A2W63

Address at dedication of the E. J. Stoneman generating plant, Cassville, Wis., July 14, 1951.

SECRETARY, OFFICE OF

BRANNAN, C. F. Food and defense, Washington, U. S. D. A., Off. Sec., 1951. 13 p. 1.91 A2B73

Talk at convention of National Restaurant Association, Chicago, May 10, 1951.

BRANNAN, C. F. The plant food industry and national defense. Washington, U. S. D. A., Off. Sec., 1951. 12 p. 1.91 A2B73

Talk at convention of American Plant Food Council, Hot Springs, Va., June 16, 1951.

KOENIG, N. Milestones at Mayaguez. Washington, U. S. Off. Expt. Sta., 1951. 4 p. 1.91 A2K81

Address on the occasion of the Golden Jubilee Celebration of the Federal Experiment Station in Puerto Rico, at Mayaguez, July 2, 1951.

LEHMAN, D. J. Progress report for agriculture. Washington, U. S. D. A., Off. Sec., 1951. 2 p. 1.91 A2L52

Statement at meeting of the New England-New York Inter-Agency Committee at Albany, June 14, 1951.

MCCORMICK, C. J. Beyond today's horizon. Washington, U. S. D. A., Off. Sec., 1951. 7 p. 1.91 A2M132
Summary of remarks at the Twelfth FAO Council Session in Rome, Italy, June 11, 1951.

SOIL CONSERVATION SERVICE

DYKSTERHUIS, E. J. Grass—its place in conservation farming. Lincoln, U. S. Soil Conserv. Serv., 1950. 5 p. 1.9607 D99

Address at the annual meeting of the North Dakota Association of Soil Conservation District Supervisors at Bismarck, Nov. 28-29, 1950.

EIKLEBERRY, R. W., FLY, C. L., and MYERS, H. E. Physical land conditions affecting use, conservation, and management of land resources, Smith County, Kansas. Manhattan, 1951. 23 p. 1.96 L22Ph

FLY, C. L., and others. Physical land conditions affecting use, conservation, and management of land resources, Osage County, Kansas. Manhattan, 1951. 23 p. 1.96 L22Ph

R. W. Eikleberry, O. W. Tate, E. Bell, and H. E. Myers, joint authors.

U. S. SOIL CONSERVATION SERV. Opportunities for education in soil and water conservation, by F. B. Hamilton. Washington, 1951. 43 p. 1.96 B96Op

U. S. SOIL CONSERVATION SERV. SOUTH-WEST REGION. Conservation needs, compilation of data. Albuquerque, 1951. 13 p. 1.9608 Ad6C76

U. S. SOIL CONSERVATION SERV. Tables for 1951 agricultural statistics. Washington, 1951. 18 p. 1.96 Ad6Ta

U. S. SOIL CONSERVATION SERV. NORTHERN GREAT PLAINS REGION. Management of marshes in the Northern Great Plains for fur production. Preliminary ed., by M. S. McMurtrey. Lincoln, Nebr., 1951. 9 p. 1.9607 M312

U. S. SOIL CONSERVATION SERV. NORTHERN GREAT PLAINS REGION. Neighbor group approach, by E. H. Sandberg. Bozeman, Mont., 1951. 3 p. 1.9607 N31

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

ROBINSON, R. W. Cotton production practices in the Limestone Valley areas of Alabama. Ala. Agr. Expt. Sta. C. 100,32 p. June 1951. 100 AL1S

Alaska Agricultural Experiment Station, College

MCCURDY, R. E., and JOHNSON, H. A. Agricultural possibilities of Alaska's Kenai Peninsula. Alaska. Agr. Expt. Sta. B. 13,26 p. Mar. 1951. 100 AL122B

LITZENBERGER, S. C., and BENSIN, B. M. Golden Rain oats for Alaska. Alaska. Agr. Expt. Sta. C. 15,9 p. Apr. 1951. 100 AL122E

LITZENBERGER, S. C., and BENSIN, B. M. Edda barley for Alaska. Alaska. Agr. Expt. Sta. C. 16, 10 p. Apr. 1951. 100 AL122E

SWEETMAN, W. J., MIDDLETON, W. R., and SWINGLE, F. Raising dairy calves and heifers in Alaska. Alaska. Agr. Expt. Sta. C. 17,12 p. May 1951. 100 AL122E

MOORE, C. A. Alaska farms; organization and practices in 1949. Alaska. Agr. Expt. Sta. Mimeog. C. 1, 55 p. Mar. 1951. 100 AL122M

Arkansas Agricultural Experiment Station, Fayetteville

SLUSHER, M. W., and SCOGGINS, H. Cotton production practices in Arkansas. Ark. Agr. Expt. Sta. B. 507,91 p. Apr. 1951. 100 Ar42

California Agricultural Experiment Station, Berkeley

PARKER, E. R., and JONES, W. W. Effects of fertilizers upon the yields, size and quality of orange fruits. Calif. Agr. Expt. Sta. B. 722,57 p. Ref. Mar. 1951. 100 C12S

KEPNER, R. A. Effectiveness of orchard heaters. Calif. Agr. Expt. Sta. B. 723,30 p. May 1951. 100 C12S

ALDRICH, D. G., JR., and SCHOONOVER, W. R. Gypsum and other sulfur materials for soil conditioning. Calif. Agr. Expt. Sta. C. 403,12 p. Mar. 1951. 100 C12S

JOHNSTON, C. N. Irrigation wells and well drilling. Calif. Agr. Expt. Sta. C. 404,30 p. May 1951. 100 C12S

HILGARDIA 20:299-678. Jan.-Feb., Apr.-May 1951. 100 C12H

Colorado Agricultural Experiment Station, Fort Collins

FARM and home research 1(5),10 p. Jan./Feb. 1951. 100 C712Co

Florida Agricultural Experiment Station, Gainesville

NELLER, J. R., and others. Sulfur requirement of soils for clover-grass pastures in relation to fertilizer phosphates. Fla. Agr. Expt. Sta. B. 475,32 p. Ref. Apr. 1951. 100 F66S

G. B. Killinger, D. W. Jones, R. W. Bledsoe, and H. W. Lundy, joint authors.

Georgia Agricultural Experiment Station, Experiment

BAILEY, W. K. Virginia type peanuts in Georgia. Ga. Agr. Expt. Sta. B. 267,22 p. Mar. 1951. 100 G29S

FAUGHT, W. A., and others. Cotton marketing practices in selected communities, 1947-48. South. Coop. Ser. B. 8,45 p. Sept. 1950. 100 G29So

R. J. Saville, R. F. Anderson, M. J. Danner, W. T. Ferrer, S. Hathorn, Jr., J. R. Paulling, W. E. Paulson, B. D. Raskopf, and F. Stanley, joint authors.

Hawaii Agricultural Experiment Station, Honolulu

HAWAII. AGRICULTURAL EXPERIMENT STATION. Biennial report 1948-1950. Honolulu, 1951. 173 p. 100 H313

Idaho Agricultural Experiment Station, Moscow

MARTIN, J. W., and HUMPHREY, E. N. The Idaho potato harvester. Idaho. Agr. Expt. Sta. B. 283, 24 p. June 1951. 100 Idi

Iowa Agricultural Experiment Station, Ames

HICKS, E. A. Common hawks and owls of Iowa. Iowa. Agr. Expt. Sta. Iowa Youth Ser. 2,23 p. Aug. 1950. 100 Io9I

Kentucky Agricultural Experiment Station; Lexington

HANSEN, M. F., and others. Six blood values in Thoroughbred stallions, mares in foal, barren mares, and weanlings. Ky. Agr. Expt. Sta. B. 555,19 p. June 1950. 100 K41

A. C. Todd, G. W. Kelley, and M. Cawein, joint authors. KARRAKER, P. E. Effects of certain cropping and management practices on soil nitrogen content. Ky. Agr. Expt. Sta. B. 561,10 p. Mar. 1951. 100 K41

WALTMAN, C. S. Nitrogen and phosphorus relationships in strawberries. Ky. Agr. Expt. Sta. B. 562, 11 p. June 1951. 100 K41

KENTUCKY. AGRICULTURAL EXPERIMENT STATION. ENTOMOLOGY DEPT. Seed inspection in Kentucky, 1950-51. Ky. Agr. Expt. Sta. Regulat. B. 90, 76 p. May 1951. 100 K41

Kentucky Agricultural Experiment Station, Botany Department cooperating.

KENTUCKY fruit notes 4(4),8 p. Spring 1951. 100 K41K

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

MCDANIEL, J. A., and STANLEY, F. E. An economic analysis of the tung industry in Louisiana. La. Agr. Expt. Sta. Mimeog. C. 119,39 p. Dec. 1950. 100 L93S

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. A preliminary report on experiments conducted by the Crops and Soils Department, 1950. Baton Rouge, 1951? 97 p. 100 L936

Maine Agricultural Experiment Station, Orono

MURPHY, E. F., and COVELL, M. R. Tomatoes in Maine. Maine. Agr. Expt. Sta. B. 489,70 p. Ref. Mar. 1951. 100 M28S

TERMAN, G. L., and others. Rate, placement and source of nitrogen for potatoes in Maine. Maine. Agr. Expt. Sta. B. 490,34 p. Ref. Apr. 1951. 100 M28S

A. Hawkins, C. E. Cunningham, and R. A. Struchtemeyer, joint authors. TOBEY, E. R. Commercial agricultural seeds, 1950, fungicides and insecticides, 1950. Maine Agr. Expt. Sta. Off. Inspect. 218, 37 p. Dec. 1950. 100 M28S

Maryland Agricultural Experiment Station, College Park

MARYLAND. AGRICULTURAL EXPERIMENT STATION. Agricultural progress through research; 63rd annual report, 1949/50. Md. Agr. Expt. Sta. B. A-62,44 p. 1951? 100 M36S

Massachusetts Agricultural Experiment Station, Amherst

COX, E. F. Meteorological observations for April 1951. Mass. Agr. Expt. Sta. Met. Ser. B. 748,4 p. Apr. 1951. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

QUARTERLY bulletin 33:293-448. May 1951.
100 M58S

Mississippi Agricultural Experiment Station, State College

GALLOWAY, R. E., and KAUFMAN, H. F. Health practices in Choctaw County. Miss. Agr. Expt. Sta. Sociol. & Rur. Life Ser. 2,13 p. Dec.1950. 281.29 M693

MISSISSIPPI farm research 14(4-6),8 p. Apr.-June 1951. 100 M69Mi

Nebraska Agricultural Experiment Station, Lincoln

LOWREY, G. W., and RHOADES, H. F. Commercial fertilizers for corn in central and eastern Nebraska. Nebr. Agr. Expt. Sta. Outstate Testing C. 14, 29 p. Ref. Apr.1951. 100 N270

KIESSELBACH, T. A. Progressive development and seasonal variations of the corn crop. Nebr. Agr. Expt. Sta. Res. B. 166,49 p. Dec.1950. 100 N27

ACKERSON, C. W., BORCHERS, R. L., and MUSSEHL, F. E. Utilization of food elements by growing chicks. XIII. The effect of additions of dehydrated alfalfa meal to high corn chick rations. Nebr. Agr. Expt. Sta. Res. B. 168,10 p. Jan.1951. 100 N27

LIVINGSTON, J. E. Effect of low temperature on the germination of artificially dried seed corn. Nebr. Agr. Expt. Sta. Res. B. 169,14 p. Ref. Jan.1951. 100 N27

Nevada Agricultural Experiment Station, Reno

MILLER, M. R. The quality of the water of the Humboldt River. Nev. Agr. Expt. Sta. B. 186,31 p. Oct.1950. 100 N41S

New Jersey Agricultural Experiment Station, New Brunswick

STARNES, O., and REED, J. P. Vegetable insects and their control on commercial plantings. N. J. Agr. Expt. Sta. B. 756,16 p. Apr.1951. 100 N46S

RANDLE, S. B. Commercial feeds in New Jersey, 1950. N. J. Agr. Expt. Sta. Insp. Ser. 42,unpaged. May 1951. 100 N46S

NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. Science and the land; the 1949-50 annual report. New Brunswick,1951? 167 p. 100 N46S

New Mexico Agricultural Experiment Station, State College

BERRY, L. N. A breeding program for improving interior egg quality. N. Mex. Agr. Expt. Sta. B. 357,9 p. June 1950. 100 N46S

KNOX, J. H., and others. Research on the College Ranch; a review of results from experiments in range management, nutrition of range cattle, beef cattle production. N. Mex. Agr. Expt. Sta. B. 359,32 p. Feb. 1951. 100 N46S

W. E. Watkins, M. Koger, and K. A. Valentine, joint authors.

EYER, J. R. New insecticides for garden insects. N. Mex. Agr. Expt. Sta. B. 361,24 p. Apr.1951. 100 N46S

BERRY, L. N. A test of rations for laying hens. N. Mex. Agr. Expt. Sta. Press B. 1046,4 p. Dec. 1950. 100 N46S

PINGREY, H. B. Cattle gains from tame pasture in irrigated districts of southern New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1047,4 p. Jan.1951. 100 N46S

STATEN, G. A preliminary report on spraying nitrogen fertilizer on cotton. N. Mex. Agr. Expt. Sta. Press B. 1048,3 p. Dec.1950. 100 N46S

STROMAN, G. N. 1517C, a high yielding strain of 1517 cotton. N. Mex. Agr. Expt. Sta. Press B. 1049, 5 p. Jan.1951. 100 N46S

DREGNE, H. E., and CHAPMAN, J. E. Fertilizers for irrigated soils of New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1050,5 p. Mar.1951. 100 N46S

PAUR, S. A new easy cooking pinto bean for New Mexico—No. 2574. N. Mex. Agr. Expt. Sta. Press B. 1051,3 p. Feb.1951. 100 N46S

DREGNE, H. E., and CHAPMAN, J. E. The value of soil tests in New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1052,3 p. Mar.1951. 100 N46S

SPENCER, J. R. Corn varieties and hybrids in southern New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1053,8 p. Apr.1951. 100 N46S

North Carolina Agricultural Experiment Station, State College Station, Raleigh

SOUTHERN COOPERATIVE GROUP. Studies of sampling techniques and chemical analyses of vegetables. South. Coop. Ser. B. 10,143 p. Mar.1951. 100 G29So

The Agricultural Experiment Stations of North Carolina, Georgia, Oklahoma, Texas, Arkansas, Louisiana, Mississippi, and Puerto Rico cooperating.

North Dakota Agricultural Experiment Station, State College Station, Fargo

BIMONTHLY bulletin 13:139-179. Mar./Apr. 1951. 100 N813B

Ohio Agricultural Experiment Station, Wooster

ROBISON, W. L. Soybean oil meal for pigs. Ohio Agr. Expt. Sta. Res. B. 699,72 p. Ref. Mar.1951. 100 Oh3S

WILSON, J. D. Tomato late blight control in 1950. Ohio Agr. Expt. Sta. Res. C. 11,20 p. Ref. June 1951. 100 Oh3R

OHIO farm and home research 36:18-32. Mar./Apr.1951. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

PARCHER, L. A., and HINRICHS, H. Evaluating native pecan trees. Okla. Agr. Expt. Sta. Mimeog. C. 217,6 p. Mar.1951. 100 Ok4M

DANIEL, H. A., ELWELL, H. M., and COX, M. B. Progress report, 1951; soil and water conservation research at the Red Plains Conservation Experiment Station, Guthrie, Oklahoma. Okla. Agr. Expt. Sta. Mimeog. C. 219,9 p. Apr.1951. 100 Ok4M

HARPER, H. J., ELDER, W. C., and NELSON, A. B. Progress report, 1951: Pasture Fertility Research Station, Coalgate, Oklahoma. Okla. Agr. Expt. Sta. Mimeog. C. M-221,9 p. May 1951. 100 Ok4M

OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. 19th annual Agronomy Day, May 15-16. Okla. Agr. Expt. Sta. Mimeog. C. M-222,11 p. May 1951. 100 Ok4M

DANIEL, H. A., ELWELL, H. M., and COX, M. B. Progress report, 1951; soil and water conservation research at the Wheatland Conservation Experiment Station, Cherokee, Oklahoma. Okla. Agr. Expt. Sta. Mimeog. C. M-223,9 p. May 1951. 100 Ok4M

OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Progress report for 1951, Oklahoma Vegetable Research Station at Bixby, Oklahoma. Okla. Agr. Expt. Sta. Mimeog. C. M-225,9 p. June 28,1951. 100 Ok4M

Oregon Agricultural Experiment Station, Corvallis

FILZ, W. F., and HENNEY, E. N. Home preparation of maraschino cherries. Oreg. Agr. Expt. Sta. B. 497,11 p. May 1951. 100 Or3

KIENHOLZ, J. R., and CHILDS, L. Pear scab and its control in Oregon. Oreg. Agr. Expt. Sta. C. Inform. 495,9 p. May 1951. 100 Or3C

PLATH, C. V. Cost guides for range reseeding. Oreg. Agr. Expt. Sta. C. Inform. 497,14 p. June 1951. 100 Or3C

Pennsylvania Agricultural Experiment Station, State College

PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer; supplement 2 to the 63d annual report. Pa. Agr. Expt. Sta. B. 529(sup. 2),10 p. Mar.1951. 100 P381

PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer; supplement 3 to the 63d annual report. Pa. Agr. Expt. Sta. B. 529(sup. 3),11 p. June 1951. 100 P381

BRESSLER, G. O. Labor saving on Pennsylvania poultry farms. Pa. Agr. Expt. Sta. B. 532,52 p. Ref. Aug.1950. 100 P381

MOWERY, A. S., CLYDE, A. W., and OLIVER, E. F. An elevator for handling chopped forage. Pa. Agr. Expt. Sta. Prog. Rpt. 44,4 p. Mar.1951. 100 P381P

MOWERY, A. S., and NORTON, N. A. Types and farm uses of plywood. Pa. Agr. Expt. Sta. Prog. Rpt. 46,4 p. Mar.1951. 100 P381P

South Carolina Agricultural Experiment Station, Clemson

GRAHAM, T. W. Nematode root rot of tobacco and other plants. S. C. Agr. Expt. Sta. B. 390,25 p. Ref. Jan.1951. 100 So8

SOUTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. Sixty-second annual report for the year ended June 30, 1949. Clemson,1950. 112 p. 100 So8

South Dakota Agricultural Experiment Station, Brookings

PIERCE, E. A., DELONG, H. H., and DYNES, J. R. Freezing and storing meat for quality and economy. S. Dak. Agr. Expt. Sta. B. 408,14 p. May 1951. 100 S82

WORZELLA, W. W., and others. Progress report of research in crops and soils. S. Dak. Agr. Expt. Sta. C. 86,14 p. Apr.1951. 100 So82

A. N. Hume, L. F. Puhr, J. E. Graffius, C. J. Franzke, D. B. Shank, V. A. Dirks, J. G. Ross, and M. W. Adams, joint authors.

DELONG, H. H. The field baler—operation and costs. S. Dak. Agr. Expt. Sta. C. 87,15 p. Apr.1951. 100 So82

WESTIN, F. C., KLINGELHOETS, A. J., and LEE, G. B. Soils of South Dakota. S. Dak. Agr. Expt. Sta. C. 88,6 p.-folder. May 1951. 100 So82

SOUTH DAKOTA farm and home research 2: 25-46. Winter 1951. 100 So82S

Tennessee Agricultural Experiment Station, Knoxville

SWANSON, E. W., and THROOP, B. T. Mastitis studies in Tennessee. Tenn. Agr. Expt. Sta. B. 219, 31 p. Ref. Mar.1951. 100 T25S

LONG, O. H., and WINTERS, E. Fused tricalcium phosphate. Tenn. Agr. Expt. Sta. C. 107,4 p. Apr. 1951. 100 T25S

Texas Agricultural Experiment Station, College Station

MCNEELY, J. G., BROTHERTON, C. B., and MCKENZIE, T. M. Livestock auctions in Texas. Tex. Agr. Expt. Sta. B. 732,46 p. Mar.1951. 100 T31S

HOLT, E. C., POTTS, R. C., and FUDGE, J. F. Bermudagrass [*Cynodon dactylon*] research in Texas. Tex. Agr. Expt. Sta. C. 129,25 p. Apr.1951. 100 T31S

WYCHE, R. H., and others. Fertilizer requirements for rice following improved and unimproved pastures. Tex. Agr. Expt. Sta. Prog. Rpt. 1335,2 p. Mar.5,1951. 100 T31P

R. L. Cheaney, R. M. Weihsing and J. B. Moncrief, joint authors.

MAXWELL, N. P. Pruning tests with freeze-damaged citrus trees in the Lower Rio Grande Valley. Tex. Agr. Expt. Sta. Prog. Rpt. 1343,4 p. Mar.15,1951. 100 T31P

WYCHE, R. H., and CHEANEY, R. L. Yields of rice as affected by different nitrogenous fertilizers, lime and phosphoric acid, 1949-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1347,2 p. Apr.2,1951. 100 T31P

CHEANEY, R. L., and WYCHE, R. H. Fertilizer requirements for rice on the soils of the Gulf Coast Prairie of Texas, 1947-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1348,4 p. Apr.2,1951. 100 T31P

WYCHE, R. H., and CHEANEY, R. L. The efficiency of fertilizer applications on dry, wet and flooded soils, as measured by rice yields. Tex. Agr. Expt. Sta. Prog. Rpt. 1355,2 p. Apr.6,1951. 100 T31P

HALL, W. C. The effect of sucrose and maleic hydrazide on the chemical defoliation and inhibition of second growth of cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1356,3 p. Apr.7,1951. 100 T31P

REYNOLDS, E. B., and JONES, D. L. Effect of summer fallow on yields of cotton and sorghum in the High Plains of Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1357,4 p. Apr.9,1951. 100 T31P

CHEANEY, R. L., WYCHE, R. H., and BEACHELL, H. M. Effect of time of application of various fertilizers on the yield of rice varieties of different maturity, 1949-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1362,4 p. Apr.16,1951. 100 T31P

KAPP, L. C., and CHEANEY, R. L. Correlation of forage yields and soluble soil phosphorus on Lake Charles clay loam. Tex. Agr. Expt. Sta. Prog. Rpt. 1369,3 p. May 14,1951. 100 T31P

POTTS, R. C., and others. Renovation and fertilization of established stands of King Ranch bluestem [*Andropogon ischaemum*]. Tex. Agr. Expt. Sta. Prog. Rpt. 1371,3 p. May 18,1951. 100 T31P

L. Reyes, E. M. Neal, L. C. Kapp, and R. A. Hall, joint authors.

ATKINS, I. M. Small grain variety tests in the Blackland, Grand Prairie and Edwards Plateau areas of Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1374,6 p. May 29,1951. 100 T31P

HAMILTON, R. D., WHITFIELD, C. J., and REA, H. E. Chemical control of blueweed [*Helianthus ciliaris*]. Tex. Agr. Expt. Sta. Prog. Rpt. 1375,2 p. May 29,1951. 100 T31P

MOUNTNEY, G. J., PARNELL, E. D., and HALPIN, R. B. The market quality of Texas turkeys, 1950. Tex. Agr. Expt. Sta. Prog. Rpt. 1376,3 p. May 30,1951. 100 T31P

PAULSON, W. E., and LEBOURVEAU, W. Agricultural cooperatives in the Coastal Bend area of Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1378,8 p. June 11,1951. 100 T31P

Wisconsin Agricultural Experiment Station, Madison

NEAL, N. P., STROMMEN, A. M. and APPLE, J. W. Wisconsin corn hybrids. Wis. Agr. Expt. Sta. B. 476,rev.,35 p. Jan.1951. 100 W75

Pt.II, Corn insects, by J. W. Apple, p. 29-35.

OGDEN, W. B. Wisconsin tobacco soils; their fertility & management. Wis. Agr. Expt. Sta. B. 493, 20 p. Apr.1951. 100 W75

Wyoming Agricultural Experiment Station, Laramie

WYOMING. AGRICULTURAL EXPERIMENT STATION, LARAMIE. DEPT. OF ENTOMOLOGY. Control of the sheep tick [*Melophagus ovinus*] by dusting, by D. G. Denning, and R. E. Pfadt. Laramie,1950. 5 p. 423 W982

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

California University, College of Agriculture, Agricultural Extension Service, Berkeley

SHULTIS, A., and NEWLON, W. E. The turkey business in California. Calif. Agr. Col. Ext. C. 170,12 p. Apr.1951. 275.29 C12C

WILSON, J. F. California wool production. Calif. Agr. Col. Ext. C. 171,52 p. Apr.1951. 275.29 C12C

MICHELBAACHER, A. E., and FURMAN, D. P. Control of household insects and related pests. Calif. Agr. Col. Ext. C. 172,34 p. Apr.1951. 275.29 C12C

SHULTIS, A. Farming in California. Calif. Agr. Col. Ext. C. 173,50 p. May 1951. 275.29 C12C

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fourth annual summary of the San Joaquin County poultry management study, by B. B. Burlingame and W. C. Fleming. Berkeley,1951. 8 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fresno County turkey meat study 1950, by R. Houck and B. B. Burlingame. Berkeley?1951. 7 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Humboldt County dairy management study, 1950, by A. Shultis and H. B. Tucker. Berkeley,1951. 8 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 avocado management study, San Diego County, by W. Sullivan. Berkeley?1951? 7 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Poultry meat production study, San Diego County wire versus litter management, by R. H. Adolph. Berkeley? 1951. 3 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Stanislaus County tomato cost of production and management study. Berkeley?1951? 6 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Thirteenth Sutter [County] canning peach management study, 1950. Berkeley?1951? 12 p. 275.29 C12En

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

VAN DYKE, A. W. Reduce your produce losses. Conn. Agr. Col. Ext. Folder 52,4 p. Apr.1951. 275.29 C76Ex

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Blueberry pest control guide, 1951, by F. D. Johanson, W. T. Brigham, and E. Stoddard. Storrs,1951. 2 p. 275.29 C76BL

Hawaii University, Agricultural Extension Service, Honolulu

ELLIOTT, R. C. Hawaiian coffee, with some information about world types, grading, and trading practices. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 5,26 p. Ref. May 1951. 275.29 H312AE

RUST, I. Estimated 1950 salable production of tropical flowers and foliage, Territory of Hawaii. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 6,9 p. May 1951. 275.29 H312AE

PHILIPP, P. F. 1950 statistics of diversified agriculture in Hawaii. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 7,45 p. May 1951. 275.29 H312AE

HAWAII. UNIVERSITY. AGRICULTURAL EXTENSION SERV. The life on the land; extension in Hawaii, 1948-50. Hawaii. U. Agr. Ext. B. 51,24 p. Apr.1951. 275.29 H312E

NAKAGAWA, Y. Snap bean production in Hawaii. Hawaii. U. Agr. Ext. C. 306,13 p. Apr.1951. 275.29 H312Ac

VOLLRATH, H. M. Fish meal as a livestock feed. Hawaii. U. Agr. Ext. C. 307,4 p. May 1951. 275.29 H312Ac

Illinois University, College of Agriculture, Extension

HARRIS, M., and HILL, E. B. Family farm-transfer arrangements. Ill. Agr. Col. Ext. C. 680,39 p. Apr.1951. 275.29 IL62C

WEIBEL, R. O. Sunflowers as a seed and oil crop for Illinois. Ill. Agr. Col. Ext. C. 681,16 p. May 1951. 275.29 IL62C

Indiana - Purdue University, Agricultural Extension Service, Lafayette

SICER, J. W., and HOGUE, R. L. Care and management of layers. Purdue U. Agr. Ext. B. 275,rev., 24 p. 1951. 275.29 In2E

JOHNSON, P. E. Farm water systems; automatic air volume control. Purdue U. Agr. Ext. L. 311, 2 p. 1950. 275.29 In2L

JOHNSON, P. E. Pressure switches for farm water systems. Purdue U. Agr. Ext. L. 315,2 p. 1950. 275.29 In2L

TAYLOR, J. G., and OREM, M. T. Save more pigs with heat lamps. Purdue U. Agr. Ext. L. 318,2 p. 1951. 275.29 In2L

JOHNSON, P. E. Farm water systems; running water on the farm. Purdue U. Agr. Ext. L. 326,2 p. 1951. 275.29 In2L

JOHNSON, P. E. Farm water system; installing the farm water system. Purdue U. Agr. Ext. L. 329, 4 p. 1951. 275.29 In2L

Kansas State College of Agriculture and Applied Science, Extension Service, Manhattan

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Parliamentary practice, problems and suggestions for 4-H Clubs. Manhattan,1950. 28 p. 275.2 K133Pa

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Planning the program, Kansas 4-H Clubs. Manhattan,1950. 16 p. 275.2 K133PLa

Kentucky University, College of Agriculture and Home Economics, Extension Service, Lexington

MILLER, R. C. Lambing time. Ky. Agr. Col. Ext. C. 346,rev.,31 p. Jan.1951. 275.29 K415

RODRIGUEZ, J. G., and ARMSTRONG, W. D. Kentucky spray and dust schedules for commercial fruit plantings, 1951-52. Ky. Agr. Col. Ext. C. 487,40 p. Mar. 1951. 275.29 K415

Louisiana State University and Agricultural and Mechanical College, Division of Agricultural Extension, University Station, Baton Rouge

COX, J. A., and MOREAU, A. C. The 4-H Club Irish potato manual. La. Agr. Col. Ext. P. 1056, 7 p. Feb.1951. 275.29 L93Ep

BRUMBY, M. Collars and cuffs. La. Agr. Col. Ext. P. 1084,4 p. Feb.1951. 275.29 L93Ep

ANDERSON, H. W., and NEASHAM, E. W. Artificial breeding in Louisiana. La. Agr. Col. Ext. P. 1086,12 p. Feb.1951. 275.29 L93Ep

MCCLAIN, F. R., and COBB, W. T. 4-H beef calf manual. La. Agr. Col. Ext. P. 1087,23 p. 275.29 L93Ep

Maryland University, Colleges of Agriculture and Home Economics, Extension Service, College Park

STARK, F. C., and HAUT, I. C. Growing sweet corn for canning. Md. Agr. Col. Ext. B. 139, 11 p. Mar. 1951. 275.29 M36B

BENDER, E. K., and STEVENS, R. F. Vegetable gardens. Md. Agr. Col. Ext. B. 141, 27 p. Apr. 1951. 275.29 M36B

MORGAN, O. D. Black shank is threatening Maryland tobacco. Md. Agr. Col. Ext. Fact Sheet 11, 2 p. Mar. 1951. 275.29 M36FA

HOGUE, L. E., ROTHGEB, R. G., and STABLER, S. P. Chemical weed control in field crops. Md. Agr. Col. Ext. Fact Sheet 13, 4 p. Apr. 1951. 275.29 M36FA

COX, C. E., WEAVER, L. O., and BENDER, E. K. Use only inspected tomato plants—plant adapted varieties. Md. Agr. Col. Ext. Fact Sheet 15, 2 p. Apr. 1951. 275.29 M36FA

COX, C. E., WEAVER, L. O., and BISSELL, T. L. Start the tomato disease and insect control program early. Md. Agr. Col. Ext. Fact Sheet 19, 2 p. Apr. 1951. 275.29 M36FA

COX, C. E., and WEAVER, L. O. Arranging and adjusting power sprayer booms and nozzles for controlling tomato diseases. Md. Agr. Col. Ext. Fact Sheet 26, 2 p. Apr. 1951. 275.29 M36FA

WEAVER, L. O., COX, C. E., and BISSELL, T. L. Field control of tomato diseases and insects. Md. Agr. Col. Ext. Fact Sheet 27, 2 p. Apr. 1951. 275.29 M36FA

BISSELL, T. L. How to control insect pests of sweet potatoes. Md. Agr. Col. Ext. Fact Sheet 28, 2 p. Apr. 1951. 275.29 M36FA

BENDER, E. K., and STARK, F. C. How to cultivate tomatoes. Md. Agr. Col. Ext. Fact Sheet 29, 2 p. May 1951. 275.29 M36FA

GIENGER, G. W., and CARPENTER, R. W. Combine adjustments. Md. Agr. Col. Ext. Fact Sheet 31, 4 p. July 1951. 275.29 M36FA

MORGAN, O. D., and WEAVER, L. O. Black shank of tobacco. Md. Agr. Col. Ext. Misc. Ext. P. 3, 2 p. Apr. 1951. 275.29 M36Mis

MORGAN, O. D. Tobacco disease control chart for Maryland. Md. Agr. Col. Ext. Misc. Ext. P. 4, poster. May 1951. 275.29 M36Mis

COX, C. E., and WEAVER, L. O. Vegetable disease control chart for Maryland. Md. Agr. Col. Ext. Misc. Ext. P. 5, poster. May 1951. 275.29 M36Mis

Michigan State College of Agriculture and Applied Science Extension Division, East Lansing

HARMER, P. M. Muck soil management for head lettuce production. Mich. State Col. Agr. Ext. B. 303, 16 p. June 1950. 275.29 M58B

HARMER, P. M. Muck soil management for hay and pasture production. Mich. State Col. Agr. Ext. B. 304, 14 p. June 1950. 275.29 M58B

HARMER, P. M. Conservation of Michigan's muck soil. Mich. State Col. Agr. Ext. B. 307, 23 p. 1951? 275.29 M58B

ANDREWS, E. A., and others. Control of Dutch elm disease. Mich. State Col. Agr. Ext. B. 308, 16 p. May 1951. 275.29 M58B

F. C. Strong, R. L. Janes, and W. F. Morofsky, joint authors.

BOYD, J. S., and NEWLAND, H. W. Hog house plans. Mich. State Col. Agr. Ext. Farm Bldg. Ser. C. 717, 8 p. June 1950. 275.29 M58Fa

MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. FARM CROPS DEPT. Grass silage. Mich. State Col. Agr. Ext. Folder 153, 6 p. June 1950. 275.29 M58Ex

HILL, E. B. Farm and field rental agreements. Mich. State Col. Agr. Ext. Folder F-156, 15 p. Apr. 1951. 275.29 M58Ex

MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION DIV. FARM CROPS DEPT. Crop varieties for Michigan. Mich. State Col. Agr. Ext. Folder F-157, 22 p. Apr. 1951. 275.29 M58Ex

ANDREWS, E. A., and TURNER, M. E. Control stem rust by barberry eradication. Mich. State Col. Agr. Ext. Folder F-158, 6 p. Apr. 1951. 275.29 M58Ex

JENSEN, J. M., and MURRAY, D. L. Keeping your milking machine clean. Mich. State Col. Agr. Ext. Folder F-159, 6 p. 1951? 275.29 M58Ex

MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION DIV. Crop and livestock share farm lease. Mich. State Col. Agr. Ext. Folder F-160, 10 p. n.d., 275.29 M58Ex

BOOKHOUT, B. R. Rates for custom work in Michigan, 1950 and 1951. Mich. State Col. Agr. Ext. Folder F-161, 8 p. May 1951. 275.29 M58Ex

KLEIS, R. W. Hay crushing. Mich. State Col. Agr. Ext. Folder F-162, 6 p. Apr. 1951. 275.29 M58Ex

Mississippi State College, Extension Service, State College

MISSISSIPPI. STATE COLLEGE. EXTENSION SERV. Extension at work; Mississippi Agricultural Extension Service annual report, 1950. Miss. State Col. Ext. P. 182, 22 p. Apr. 1951. 275.29 M68A

Missouri University, College of Agriculture, Agricultural Extension Service, Columbia

BARNARD, H. M. Tailoring a wool suit or coat. Mo. Agr. Col. Ext. C. 587, 20 p. Jan. 1951. 275.29 M69C

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

WIGGANS, C. C. House plants and their care. Nebr. Agr. Col. Ext. E. C. 5-131, rev., 10 p. 1951. 275.29 N272Ex

NIBLER, C. W. Feeding milk cows. Nebr. Agr. Col. Ext. E. C. 627, rev., 32 p. Jan. 1951. 275.29 N272Ex

OLSON, E. A., PETERSEN, G. M., and YUNG, F. D. Hay curing with forced air. Nebr. Agr. Col. Ext. E. C. 735, 16 p. May 1951. 275.29 N272Ex

VIEHMEYER, G., and WHITNEY, W. C. Chrysanthemum culture in Nebraska. Nebr. Agr. Col. Ext. E. C. 1273, 9 p. 1951. 275.29 N272Ex

HELM, R. W. European corn borer [*Pyrausta nubilalis*] control in Nebraska. Nebr. Agr. Col. Ext. E. C. 1555, rev., 4 p. May 1951. 275.29 N272Ex

New Hampshire University, College of Agriculture and the Mechanic Arts, Extension Service, Durham

FRICK, G. E., and WEEKS, S. B. When to hire and when to own farm equipment on New England dairy farms. N. H. Agr. Col. Ext. C. 302, 11 p. Mar. 1951. 275.29 N45C

NEW HAMPSHIRE. UNIVERSITY. COLLEGE OF AGRICULTURE AND THE MECHANIC ARTS. EXTENSION SERV. List of publications for year-round help with your garden, farm, home, and poultry. Durham, 1951. 8 p. 275.29 N452L

New Hampshire Agricultural Experiment Station cooperating.

New Jersey State College of Agriculture and Mechanic Arts, Extension Service, Rutgers University, New Brunswick

SHEPARD, M. C. How to buy, cook, and serve New Jersey asparagus. N. J. Agr. Col. Ext. L. 50, 4 p. Apr. 1951. 275.29 N46L

HANSENS, E. J. How to get rid of flies. N. J. Agr. Col. Ext. L. 51, 4 p. May 1951. 275.29 N46L

HANSENS, E. J. Lindane for poultry pests. N. J. Agr. Col. Ext. L. 52, 2 p. May 1951. 275.29 N46L

STARNES, O. The black widow spider [*Latrodectus mactans*]. N. J. Agr. Col. Ext. L. 53, 4 p. May 1951. 275.29 N46L

SHEPARD, M. C. How to select and serve New Jersey strawberries. N. J. Agr. Col. Ext. L. 55, 4 p. May 1951. 275.29 N46L

New Mexico College of Agriculture, Extension Service, State College

MOORE, L. H. Control household pests. N. Mex. Agr. Col. Ext. C. 226, 16 p. Mar. 1951. 275.29 N463E

NEW MEXICO. COLLEGE OF AGRICULTURE. EXTENSION SERV. Cotton insect control guide for New Mexico, 1951. N. Mex. Agr. Col. Ext. C. 227,7 p.-folder. Mar.1951. 275.29 N463E

MOORE, L. H., and WATSON, I. Let's control livestock pests! N. Mex. Agr. Col. Ext. C. 228,8 p.-folder. Mar.1951. 275.29 N463E

MOORE, L. H. Control your garden pests. N. Mex. Agr. Col. Ext. C. 230,8 p.-folder. Apr.1951. 275.29 N463E

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

CHUPP, C., and LEIBY, R. W. The control of diseases and insects affecting vegetable crops. N. Y. Agr. Col. Cornell Ext. B. 206,rev.,105 p. Apr.1951. 275.29 N48E

BUSHEY, D. J. Border plantings and outdoor living rooms for rural and urban properties. N. Y. Agr. Col. Cornell Ext. B. 813,30 p. June 1951. 275.29 N48E

BRIANT, A. M., and DUDGEON, L. T. Marmalades, preserves, conserves, and butters. N. Y. Agr. Col. Cornell Ext. B. 824,15 p. June 1951. 275.29 N48E

BRIANT, A., and DUDGEON, L. Jellies and jams. N. Y. Agr. Col. Cornell Ext. B. 825,8 p. May 1951. 275.29 N48E

RAYMOND, C. B. Summer care of the garden. N. Y. Agr. Col. Cornell Ext. B. 832,16 p. June 1951. 275.29 N48E

North Carolina University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

NISWONGER, H. R. Farm and home garden manual. N. C. Agr. Col. Ext. C. 122,rev.,16 p. Feb.1951. 275.29 N811

RANDALL, G. O. Early vegetable plants. N. C. Agr. Col. Ext. C. 231,rev.,18 p. Apr.1951. 275.29 N811

North Dakota Agricultural College, Extension Service, State College Station, Fargo

COLBERG, W. J. Control livestock pests for greater profits. N. Dak. Agr. Col. Ext. C. A-153,6 p. Jan.1951. 275.29 N812Sa

Ohio State University, College of Agriculture, Agricultural Extension Service, Columbus

OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Winter injury of some woody ornamental plants, winter 1950-51. Ohio. Agr. Col. Ext. Nursery Notes 20(6),9 p. June 1951. 275.29 Oh32N

Oklahoma Agricultural and Mechanical College, Extension Division, Stillwater

CHAFFIN, W., and FLEMING, J. D. Cotton variety and fertilizer recommendations for Oklahoma. Okla. Agr. Col. Ext. C. 504,8 p. n.d. 275.29 Ok41C

CLYMER, C. L. Treated fence posts. Okla. Agr. Col. Ext. C. 541,14 p. n.d. 275.29 Ok41C

CHAFFIN, W., and WOODWARD, R. O. The use of fertilizer in Oklahoma. Okla. Agr. Col. Ext. C. 553,16 p. n.d. 275.29 Ok41C

LASATER, H. L. Broiler marketing. Okla. Agr. Col. Ext. C. 554,11 p. 1951? 275.29 Ok41C

WARE, H. G., and PHAGAN, C. V. Broiler production in Oklahoma. Okla. Agr. Col. Ext. C. 555, 15 p. n.d. 275.29 Ok41C

OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Salt of the earth; Oklahoma 1950 annual report. Stillwater,1951? 37 p. 275.29 Ok41An

Oregon State College, Federal Cooperative Extension Service, Corvallis

HUBER, M. G., and GRIEBELER, W. L. A homemade wood stave silo. Oreg. State Col. Ext. B. 715,31 p. Mar.1951. 275.29 Or32B

WARREN, R., and FREED, V. Tansy ragwort, a poisonous weed. Oreg. State Col. Ext. B. 717,6 p. May 1951. 275.29 Or32B

Pennsylvania State College, Agricultural Extension Service, State College

JOHNSTONE, W. F., and BIRTH, A. K. The price of eggs. Pa. State Col. Agr. Ext. C. 376,10 p. Mar.1951. 275.29 P38C

BURRESS, C. G., and SPRAGUE, D. C. An electric fan ventilation system for dairy stables. Pa. State Col. Agr. Ext. Spec. C. 2,10 p. Oct.1950. 275.29 P382Sp

Puerto Rico University, College of Agriculture, Extension Service, Rio Piedras

JOGLAR RODRIGUEZ, F. Su enemigo. Matelo' P. R. Agr. Col. Ext. Fol. A-13,6 p.-folder. Apr.1951. 275.29 P96A

Rhode Island State College, Extension Service, Kingston

RHODE ISLAND. STATE COLLEGE. EXTENSION SERV. Extension at mid-century; the annual report of the Rhode Island Agricultural Extension Service. R. I. State Col. Ext. B. 130,20 p. May 1,1950. 275.29 R34

South Carolina, Clemson Agricultural College, Extension Service, Clemson

MARTIN, M. Home canning of fruits, vegetables and meats for South Carolina. Clemson Agr. Col. S. C. Ext. B. 112,31 p. May 1951. 275.29 So8F

GOODING, P. H., NESBIT, W. B., and THAXTON, J. E. Turkey sanitation and diseases. Clemson Agr. Col. S. C. Ext. C. 363,31 p. June 1951. 275.29 So8E

South Dakota State College of Agriculture, Extension Service, Brookings

MCGIBNEY, I. Cinderella furniture. S. Dak. State Col. Agr. Ext. C. 464,12 p. Jan.1951. 275.29 So85

SPAWN, G. B. Steps in corn borer [Pyrausta nubilalis] control. S. Dak. State Col. Agr. Ext. L. 135, 4 p.-folder. May 1951. 275.29 So85E

Tennessee University, College of Agriculture, Agricultural Extension Service, Knoxville

KELLER, L., and LOVELACE, I. Repairing upholstered furniture. Tenn. Agr. Col. Ext. P. 323,20 p. Feb.1950. 275.29 T25

Texas Agricultural and Mechanical College, Agricultural Extension Service, College Station

TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Pickles and relishes. Tex. Agr. Col. Ext. B-188,19 p. Mar.1951. 275.29 T312

THORNTON, M. K. Soils and how to improve them. Tex. Agr. Col. Ext. B. 189,rev.,11 p. Mar.1951. 275.29 T312

Utah State Agricultural College, Extension Service, Logan

KNOWLTON, G. F., and BINNS, W. Spinose ear tick [Otobius megnini] control. Utah. State Agr. Col. Ext. B. 240,2 p. May 1951. 275.29 Ut1

KNOWLTON, G. F. Ant control. Utah. State Agr. Col. Ext. B. 252,2 p. June 1951. 275.29 Ut1

Washington State College, Extension Service, Pullman

ERB, R. E., and MORRISON, R. A. Artificial breeding of dairy cattle. Wash. State Col. Ext. B. 331, 12 p. May 1951. 275.29 W27P

ECKBLAD, I. From farm to freezer. Wash. State Col. Ext. B. 375,rev.,20 p. Feb.1951. 275.29 W27P

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Spray programs for tree fruits in eastern Washington. Wash. State Col. Ext. B. 419, rev., 35 p. Feb. 1951. 275.29 W27P

BREAKEY, E. P., and BRANNON, D. Control of strawberry root weevils [*Brachyrhinus ovatus*]. Wash. State Col. Ext. C. 169, 4 p. Mar. 1951. 275.29 W27C

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Homes for Washington farms. Plan number 4. Wash. State Col. Ext. C. 170, 3 p. Mar. 1951. 275.29 W27C

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Homes for Washington farms. Plan number 126. Wash. State Col. Ext. C. 182, 3 p. Mar. 1951. 275.29 W27C

HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 190, 6 p.-folder. May 31, 1951. 275.29 W27C

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington fruit canning guide. Wash. State Col. Ext. C. 191, 4 p. June 1951. 275.29 W27C

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington vegetable canning guide. Wash. State Col. Ext. C. 192, 4 p. June 1951. 275.29 W27C

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington fish canning guide. Wash. State Col. Ext. C. 194, 4 p. June 1951. 275.29 W27C

HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 195, 6 p.-folder. June 30, 1951. 275.29 W27C

ECKBLAD, I. M. Speedy meals with a pressure sauce pan. Wash. State Col. Ext. Mimeog. 367, rev., 6 p. Jan. 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Lists of aids available for 4-H projects and activities. Wash. State Col. Ext. Mimeog. 661, rev., 11 p. Feb. 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. List of available materials—management in the home, household equipment, home furnishings and housing. Wash. State Col. Ext. Mimeog. 797, 2 p. 1951? 275.29 W27Mi

WOLFE, H., and OVERLAND, A. Tansy Ragwort (*Senecio jacobaea*), a growing menace in Washington. Wash. State Col. Ext. Mimeog. 958, 3 p. Mar. 1951. 275.29 W27Mi

ECKBLAD, I. M. Food and fun with friends; Unit II - 4-H Food and Fun Series. Wash. State Col. Ext. Mimeog. 1021, 11 p. Apr. 1951. 275.29 W27Mi

ECKBLAD, I. M. Outdoor eating; Unit III - 4-H Food and Fun Series. Wash. State Col. Ext. Mimeog. 1022, 9 p. Apr. 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Farm record analysis, west central Washington counties, 1950. Wash. State Col. Ext. Mimeog. 1025, 2 p. 1951? 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Surveys and evaluating foods activities. Wash. State Col. Ext. Mimeog. 1026, 1 p. May 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. 4-H food projects. Wash. State Col. Ext. Mimeog. 1027, 3 p. May 1951. 275.29 W27Mi

JOHNSON, F. Suggestions concerning frost injuries to raspberry plants. Wash. State Col. Ext. Mimeog. 1037, 1 p. 1951? 275.29 W27Mi

KLOSTERMEYER, E. C., and BREAKEY, E. F. Control of hop aphids [*Phorodon humuli*] and mites. Wash. State Col. Ext. Mimeog. 1041, 1 p. May 15, 1951. 275.29 W27Mi

BRANNON, D. H. New insecticides—their uses and limitations. Wash. State Col. Ext. Mimeog. 1042, 2 p. May 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Farm record analysis, southwestern Washington counties, 1950. Wash. State Col. Ext. Mimeog. 1045, 2 p. 1951? 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Farm record analysis, northeastern Washington counties, 1950. Wash. State Col. Ext. Mimeog. 1047, 2 p. 1951? 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Washington poultry feed formulas; fryer and starter mash. Wash. State Col. Ext. Mimeog. 1057, 1 p. Feb. 1951. 275.29 W27Mi

ELLINGTON, E. V., and HENNEY, H. J. Summary of survey on grassland farming in Western region States. Wash. State Col. Ext. Mimeog. 1079, 20 p. Ref. June 1951. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Rules for Washington 4-H tractor operators contest. Wash. State Col. Ext. Mimeog. 1086, 6 p. July 1951. 275.29 W27Mi

BUTLER, M. D., comp. Conservation section for agronomy hand book. Wash. State Col. Ext. Mimeog. 1088, 15 p. n.d. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Federal, State and county agencies providing services for children and youth. Wash. State Col. Ext. Mimeog. 1091, 4 p. n.d. 275.29 W27Mi

WASHINGTON. STATE COLLEGE. EXTENSION SERV. Recommended Pacific Northwest wheat varieties. Pullman, 1951. 8 p. (P.N.W. Bulletin 4) 275.29 W27Pn
The Agricultural Experiment Stations and Agricultural Extension Services of Idaho and Oregon cooperating.

West Virginia University, College of Agriculture, Agricultural Extension Service, Morgantown

WEST VIRGINIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fertilizers for greener hills. W. Va. Agr. Col. Ext. Misc. P. 8, chart. Apr. 1951. 275.29 W522M

Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

BOHSTEDT, G. Antibiotics and vitamin B₁₂ in livestock feeding. Wis. Agr. Col. Ext. C. 392, 6 p. Feb. 1951. 275.29 W75C

GRABER, L. F., and SMITH, D. Alfalfa helps to safeguard feed production in Wisconsin. Wis. Agr. Col. Ext. C. 393, 14 p. Mar. 1951. 275.29 W75C

FLUKE, C. L. Controlling the apple maggot [*Rhagoletis pomonella*]. Wis. Agr. Col. Ext. C. 394, 4 p. Mar. 1951. 275.29 W75C

NIENDORF, D. W., and ZEASMAN, O. R. A homemade rain gauge. Wis. Agr. Col. Ext. C. 395, 4 p. Apr. 1951. 275.29 W75C

JOHANNES, R. Spencer soil can grow high quality forage. Wis. Agr. Col. Ext. C. 396, 11 p. May 1951. 275.29 W75C

SUNDE, M. L., and CRAVENS, W. W. Cheaper poultry gains with vitamin B₁₂ - antibiotic feed supplements. Wis. Agr. Col. Ext. C. 397, 4 p. May 1951. 275.29 W75C

AHLGREN, H. L., and SMITH, D. C. Meet summer pasture shortages with Sudan grass. Wis. Agr. Col. Ext. C. 399, 4 p. May 1951. 275.29 W75C

MCCABE, R. A. Wild flowers on Wisconsin farms. Wis. Agr. Col. Ext. C. 400, 8 p. June 1951. 275.29 W75C

ALBERT, A. R. Six long strides to better sandy soils. 3. Apply potash and phosphate. Wis. Agr. Col. Ext. Spec. C., 2 p. Feb. 1951. 275.29 W75S

YOUNG, L. A., and MCCORDIC, M. P. Business methods for the family. Wis. Agr. Col. Ext. Spec. C., 18 p. Jan. 1951. 275.29 W75S

YOUNG, L. A., and MCCORDIC, M. P. The business side of family living; business methods for the family. Wis. Agr. Col. Ext. Spec. C., 18 p. Jan. 1951. 275.29 W75S

ALLEN, N. N., and DUFFEE, F. W. A simple home-made stall for dairy calves. Wis. Agr. Col. Ext. Spec. C. 17, 18 p. Apr. 1951. 275.29 W75S

ELFNER, J. S. An outdoor fireplace for picnics at home. Wis. Agr. Col. Ext. Spec. C. 18, 2 p. Apr. 1951. 275.29 W75S

MORSE, E. V. Using the ABR ring test to fight brucellosis. Wis. Agr. Col. Ext. Spec. C. 19, 6 p.-folder. May 1951. 275.29 W75S

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Spraying farm orchards. Wis. Agr. Col. Ext. Stencil C. 157, rev., 4 p. Mar. 1951. 275.29 W75S

MOORE, J. G. Cabbage culture in Wisconsin. Wis. Agr. Col. Ext. Stencil C. 184, rev., 15 p. Mar. 1951. 275.29 W75S

Wyoming University, College of Agriculture, Agricultural Extension Service, Laramie

EDMONDSON, W. O. Trees for protection and profit. Wyo. Agr. Col. Ext. C. 116, 39 p. Apr. 1951. 275.29 W99C

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV.
Wyoming 4-H projects in agriculture and home economics.
Wyo. Agr. Col. Ext. 4-H C. G-15, 23 p. 1950.
275.29 W99Fc

FELLHAUER, T. Your 4-H purebred beef
heifer and beef cow and calf projects. Wyo. Agr. Col.
Ext. C. 117, 43 p. May 1951. 275.29 W99C

FOOD AND AGRICULTURE ORGANIZATION OF THE
UNITED NATIONS

Includes publications received in the library during the
preceding month.

FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS. Constitution, rules and
regulations. Rome, 1951. 100 p. 389.9 F735Cr

FOOD AND AGRICULTURE ORGANIZATION
OF THE UNITED NATIONS. Yearbook of food and agri-
cultural statistics, 1950, v. 4, pt. 2: trade. Washington,
1951. 275 p. 251 Y3

LING, L. Weed control by growth-regulating
substances. Food and Agr. Organ. United Nations. FAO
Agr. Studies 13, 36 p. Jan. 1951. 28 F73

| | Item | | Item | | Item | | Item | | Item |
|---|-------|---|-------|--------------------------------|-------|---|-------|-----------------------------|-------|
| Associazione Italiana Lat- tiero-Casea- ria | 70097 | Axell F H | 65775 | Bandemer S L | 72249 | Basteleus R | 65536 | Becker | 67686 |
| Associazione per lo Sviluppo dell'industria nel Mezzogiorno | 70572 | Axelrod B | 65006 | Bandini M | 65207 | Basteleus R | 65537 | Becker | 71303 |
| Atanasio P | 67203 | Axelrod H E | 67774 | Bandini M | 69410 | Basterrechea L de | 67540 | Becker A | 64269 |
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- 72426 BATHURST, N. O., and ALLISON, R. M. The preparation of plant tissue for analysis. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 31(2):1-14. Ref. Sept. 1949, pub. Dec. 1950. 514 N48B
- 72427 BAXTER, R. W. Ankyropteris glabra, a new American species of the Zygopteridaceae. Amer. J. Bot. 38:440-452. June 1951. 450 Am36
- 72428 BERGQUIST, A. Glimpses from the south of the Vätter district. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. Natur i Småland, p. 199-209. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Includes description of the vegetation.
- 72429 BERN. BOTANISCHER GARTEN. Bericht über den Botanischen Garten und das Botanische Institut in Bern für das Jahr 1950. Bern, 1951. 8 p. 451 B455
- 72430 BERTSCH, K. Lebensgemeinschaften in den Alpen. Ravensburg, Maier, 1950. 216 p. 409 B46L
Includes vegetation.
- 72431 BISWAS, K., and CHOUDHURI, S. K. Observation on the sand vegetation of some parts of Bengal, Orissa and Madras. (Abs.) Indian Sci. Cong. Proc. 36(3): 146-147. 1949. 513 In22
- 72432 BREM, M. The fossil flora of Jerzejówka near Biłgoraj. (Abs.) Akad. Umiej. Wydz. Mat.-Przyrodniczy. Compt. Rend. 1950(4/5):6-7. Apr./May 1950. 512 K85C
- 72433 BROCKMAN, C. F. Mount Rainier's wild garden. Arboretum B. 14(2):12-14. Summer 1951. 451 Ar1
- 72434 BRODIN, G., ed. Agnus castus, a Middle English herbal; reconstructed from various manuscripts. Upsala, Lundequist, 1950. 328 p. (Uppsala. Universitet. Engelska Seminarier. Essays and Studies on English Language and Literature, 6) 452.2 B78
- 72435 BROWN, J. G., and BOYLE, A.-M. Internal boll-rot of cotton. Ariz. Agr. Col. Ext. C. 186, 4 p. Mar. 1951. 275.29 Ar42
- 72436 BUCKLEY, A. R. Rare plants at Ottawa [Dominion Arboretum]. Canad. Florist 46(10):20-22, 26. May 31, 1951. 80 C163
- 72437 BUITRON, A. Leyendas, costumbres y supersticiones indígenas de Otavalo. B. de Inform. Cient. Nac. 35:368-371. Dec. 1950. 475 B633
Origin of corn, wheat, sheep and dogs, Ecuador.
- 72438 BURROUGHS, R. D. Can we save the wild flowers? Mich. Conserv. 20(4):26-28. July/Aug. 1951. 279.9 M582
- 72439 CERCOS, A. P., and RODRIGUEZ, H. T. Actinomyces antibióticos de la Argentina. Rev. Argentina de Agron. 18:65-73. June 1951. 9 R327
English summary.
- 72440 CHESTER, K. S., translator. The origin, variation, immunity and breeding of cultivated plants; selected writings of N. I. Vavilov. Chron. Bot. 13(1/6), 364 p. Ref. Spring 1951. 450 C46
- 72441 CHEVALIER, A. L'œuvre scientifique de Du-mont d'Urville. Rev. Internat. de Bot. Appl. d'Agr. Trop. 31:7-37. Jan./Feb. 1951. 26 R323
- 72442 CLAPHAM, A. R. A proposal for mapping the distribution of British vascular plants. In Botanical Society of the British Isles. The study of the distribution of British plants, p. 110-120. Oxford, 1951. 451 B658S
Includes discussion.
- 72443 COLLIVER, S. F. The dawn and growth of plant life in Australia. Victorian Nat. 68:3-6. May 1951. 410 V66
- 72444 COSTA, A. S., and FRANCO, C. M. A virus technique useful to diagnose foliar deficiencies. Plant Physiol. 26:625-628. July 1951. 450 P692
- 72445 DAVIS, R. J. Nomenclatural recombinations in Idaho plants. Madroño 11:143-144. July 1951. 450 M26
- 72446 DIELS, L. Die stämme des pflanzenreichs, v. 7, Nos. 11-13/14. Potsdam, Akademisch Verlagsgesellschaft Athenaion, 1950. p. 321-440. (Bertalanffy, L. von. Handbuch der biologie, pt. 32-34/35) 442 B46H
- 72447 DOBBS, C. G. A study of growth rings in trees. Forestry 24:22-35. Ref. 1951. 99.8 F767
- 72448 DUDDINGTON, C. L., and DIXON, S. M. Permanent preparations of fungi growing on agar. Nature [London] 168:38-39. July 7, 1951. 472 N21
- 72449 EDLIN, H. L. English tree names and their origins. Forestry 24:57-63. Ref. 1951. 99.8 F767
- 72450 ELIOT, R., and STAUFFER, M. C. June in Savanna land. Wild Flower 27:32-41. Apr. 1951. 451 W642
Southeastern States.
- 72451 ERDTMAN, G. On the "Tricolporites protrudens problem." Svensk Bot. Tidskr. 45:355-357. 1951. 450 Sv2
- 72452 FENTON, E. W. Vegetation and agricultural activities as shown by aerial photographs. Scot. Geog. Mag. 67:105-109. Aug. 1951. 472 Sco8
- 72453 FREY, D. G. Pollen succession in the sediments of Singletary Lake, North Carolina. Ecology 32: 518-533. Ref. July 1951. 410 Ec7
- 72454 FRIISBAEK, G. A. Botanikkens grundregler [Basic rules for botany]. Ed. 4. København, Johannessen, 1950. 36 p. 452 F914
- 72455 FULLER, H. J. An outline of general botany. Ed. 3. New York, Barnes & Noble, 1950. 196 p. (College Outline Series) 463 F952O
- 72456 GHOSH, A. K., BOSE, A., and SEN, J. Microfossils from the Cambrian strata of the Salt Range, Punjab. Indian Bot. Soc. J. 29:194-196. Ref. Nov. 1950. 450 J821
- 72457 GIBBONS, E. J. Distribution maps of Lincolnshire plants. In Botanical Society of the British Isles. The study of the distribution of British plants, p. 79. Oxford, 1951. 451 B658S
- 72458 GOLDMAN, E. A. Biological investigations in Mexico. Smithsn. Inst. Misc. Collect. 115, 476 p. Ref. July 31, 1951. 500 Sm6M
Includes vegetation.
- 72459 GRANDJEAN, B. L. Flora danica stellet. The Flora Danica [porcelain] Service. Copenhagen, Hassing, 1950. 80 p. 317 G76
- 72460 GUNCKEL, L., H. Datos etno-botánicos sobre algunas Daturas americanas. Rev. Quim.-Farm. 9(98):9-11. Apr. 1951. 396.8 R32
- 72461 HAEGER, K. A. Von pflanzen und ihren namen. Bremen-Horn, Dorn, 1950. 47 p. 459.3 H11
- 72462 HAGEN, A. Møglens flora (In Norwegian.) Oslo, Landsforbundet for Naturfredning i Norge, 1950. 69 p. Ref. 459.1 H12
- 72463 HAMILTON. ROYAL BOTANICAL GARDENS. Annual report 1950. Hamilton, Ont., 1950. 33 p. 451 H18A
- 72464 HANSON, S. Nature around Kalmar. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K. Natur i Småland, p. 416-425. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Chiefly vegetation.
- 72465 HEIMANS, E. In de duinen [In the dunes]. Ed. 5, rev. and enl. Amsterdam, Ploegsma, 1950. 160 p. (Van Groei en Bloei en Jaargetijde) 409 H362D
Chiefly vegetation.
- 72466 HEITZ, E. Elemente der botanik; eine anleitung zum studium der pflanze durch beobachtungen und versuche an Crepis capillaris (L.) Wallr. Wien, Springer, 1950. 158 p. 463.3 H36
- 72467 HERZ, W., PATES, A. L., and MADSEN, G. C. The antimicrobial principle of Clematis dioscoreifolia. Science 114:206. Aug. 24, 1951. 470 Sci2
- 72468 HOWELL, J. T. History & spring blossoms. Pacific Discovery 4(2):16-17. Mar./Apr. 1951. 500 P112
- 72469 HUDSON, R. L. The John McLaren Memorial Rhododendron Dell, Golden Gate Park, San Francisco, Calif. Amer. Rhododendron Soc. Q. B. 5:71-73. Apr. 16, 1951. 81 Am398
- 72470 JAEGER, P. Note préliminaire sur ma première exploration botanique des Monts Loma. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(1): 445-462. 1945, pub. 1950. 515 C762C
- 72471 JOHNSON, J. H., and FERRIS, B. J. Tertiary and Pleistocene coralline algae from Lau, Fiji. Bernice P. Bishop Mus. B. 201, 27 p. 1950. 500 B45B
- 72472 JOHNSON, T. Fossil plants from Washing Bay, Co. Tyrone. II. Sphagnaceae. Irish Nat. J. 10:150. Apr. 1951. 410 Ir42
- 72473 JOHNSTON, H. W. Note on an apparatus for the rapid dispensing of agar into test-tubes. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32:27. Mar. 1951. 514 N48B
- 72474 JONES, D. F. The cytoplasmic separation of species. Natl. Acad. Sci. Proc. 37:408-410. Ref. July 1951. 500 N21P

- 72475 KAUL, K. N. A palm fruit from Kapurdi (Jodhpur, Rajasthan Desert) *Cocos sahnii* sp. nov. *Cur. Sci.* 20:138. May 1951. 475 Sci23
A fossil impression.
- 72476 LANG, G. Nachweis von Ephedra im südwest-deutschen spätglazial. *Naturwissenschaften* 38:334-335. July 15, 1951. 474 N213
- 72477 LILLIEROTH, S. Småland—a landscape rich in humus and iron containing lakes. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. *Natur i Småland*, p.73-83. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Includes description of its vegetation.
- 72478 LINDSAY, H. A. Notes on water-yielding plants in Australia. *So. Austral. Nat.* 26:9-13. May 1951. 410 So82
- 72479 LITTLE, E. L., JR. Mapping ranges of the trees of the United States. *Rhodora* 53:195-203. Ref. Aug. 1951. 450 R34
- 72480 LOTHIAN, N. The herbarium, its function and use to the community. *So. Austral. Nat.* 26:3-4. May 1951. 410 So82
- 72481 LOVE, A., and LOVE, D. Studies on the origin of the Icelandic flora. II. Saxifragaceae. *Svensk Bot. Tidskr.* 45:368-399. Ref. 1951. 450 Sv2
- 72482 LUCAS, E. H., and others. The occurrence of antibacterial substances in seed plants with special reference to *Mycobacterium tuberculosis*. *Torrey Bot. Club. B.* 78:310-321. July/Aug. 1951. 451 T63B
A. Lickfeldt, R. Y. Gottshall, and J. C. Jennings, joint authors.
- 72483 MAEKAWA, F. Some plants named by herbarists of Owari Province. (In Japanese.) *J. Jap. Bot.* 26:95. Mar. 1951. 450 J8223
- 72484 MARCHI, V. Are plant innovations patentable? (In Italian.) *B. dell'Agr.* 85(2):1-2. Jan. 26, 1951. 16 B87
- 72485 MEHLISCH, K. Die sortenbenennung. *Saatgut-Wirt.* 3:104-105. May 1951. 61.8 Sal
- 72486 MUNZ, P. A. The Rancho Santa Ana Botanic Garden. *Arboretum B.* 14(2):5-6, 29. Summer 1951. 451 Ar1
In California.
- 72487 NIKITIN, I. G. Caps for the protection of plants from spring frosts. (In Russian.) *Sad i Ogorod* 2:77. Feb. 1951. 80 Sa13
- 72488 NISSEN, C. Die botanische buchillustration. Stuttgart, Hiersemann, 1951. 2 v. 452.6 N63B
- 72489 OSVALD, H. Komosse. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. *Natur i Småland*, p.217-229. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Chiefly on vegetation.
- 72490 PACLT, J. Concerning orthography of scientific names. *Science* 114(2951):63-64. July 20, 1951. 470 Sci2
- 72491 PÄHLMAN, A. Linné's rare plants. (In Swedish.) *Trädgårdstidningen* 23(6):18, 22-26. June 1951. 80 T67
- 72492 POLEE, A. C. T. Through the country of West Europe: vegetation in the South. (In Dutch.) *Landbode* 5(25):2. June 23, 1951. 12 L234
- 72493 POLUNIN, N. Seeking airborne botanical particles about the North Poles. *Svensk Bot. Tidskr.* 45:320-354. Ref. 1951. 450 Sv2
- 72494 PRESCOTT, E. E. The West goes East. *Westralian Farmers Co-op Gaz.* 20:313-314. May 1951. 280.28 W522
Transfer of plant species from one part of Australia to the other.
- 72495 PRUD'HOMME VAN REINE, W. J. Wat vind ik in de duinen? Excursieboekje voor de Nederlandse duinterreinen langs de Noordzee [What will I find in the dunes? Excursion book for the Netherlands dunes along the North Sea]. Zutphen, Thieme, 1950. 215 p. (Zakboekje voor Natuurvrienden) 409 P952
- 72496 RAFOLS, W. DE. El invernadero "Earhart" (laboratorio para investigaciones botánicas). *Asoc. Nac. de Ingen. Agrón. B.* 3(12):25-29. Mar. 1951. 58.9 As5
- 72497 RICHARDS, J. G. Development of brownrot country. *New Zeal. J. Agr.* 82:308-310. Apr. 16, 1951. 23 N48J
Traces the vegetative changes in Otago and Southland from the days of early settlement to the present.
- 72498 RIETZ, G. E. DU, and CURRY-LINDAHL, K. Jungfrun. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K. *Natur i Småland*, p.374-385. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Vegetation.
- 72499 RIETZ, G. E. DU. Småland's marshes. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. *Natur i Småland*, p.62-72. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Includes description of its vegetation.
- 72500 RIOUX, J., and QUÉZEL, P. La "flora juvenalis" en 1950. *Monde des Plantes* 45:73-74. Nov. 1950. 450 M743
- 72501 ROSE, F. Distribution maps of Kent plants. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p.76-79. Oxford, 1951. 451 B658S
- 72502 ROWLEY, G. Seeds from botanic gardens. *Gard. Chron.* 130:14-15. July 14, 1951. 80 G162
Question of pure varieties.
- 72503 RUNE, O. Småland's Taberg. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. *Natur i Småland*, p.230-239. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Chiefly on vegetation.
- 72504 SAI, S. B. Note sur la végétation des hautes vallées du Sénégal et du Niger. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(1):407-431. Ref. 1945, pub. 1950. 515 C762C
- 72505 SCHERY, R. W., and NEVINS, R. B. The Ozarks. *Mo. Bot. Gard. B.* 39:117-125. June 1951. 451 M69B
Includes vegetation.
- 72506 SCHMEIL, O. Leitfaden der pflanzenkunde. Ed. 173, rev. by W. J. Fischer. Heidelberg, Quelle & Meyer, 1951. 384 p. 463 Sch4L
- 72507 SEGERSTAD, F. H. AV. Småland's flora. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. *Natur i Småland*, p.84-98. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
- 72508 SIRSI, M., and others. Papyrographic separation and location of antibiotics from plants. *Cur. Sci.* 20:126-127. May 1951. 475 Sci23
D. S. Venkatesh, B. Bheemeswar, and M. Sreenivasaya, joint authors.
- 72509 SMITH, C. A. The rule of priority in botanical nomenclature, with special reference to indigenous woody species of South Africa. *So. African Forestry Assoc. J.* 20:31-50. Apr. 1951. 99.9 So82
- 72510 SPALDING, G. H. State and county arboretum developing at Los Angeles. *Parks & Recreation* 34(8):8-10. Aug. 1951. 98.8 P23
- 72511 STEARN, W. T. Mapping the distribution of species. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p.48-64. Oxford, 1951. 451 B658S
- 72512 STECKHAN, H. Wie der wald entstand; ein lehrgespräch über die ergebnisse der pollenanalyse. *Unser Wald* 3(6):17-19. June 1950. 99.8 Un7
- 72513 STERNER, R. Around Emån. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. *Natur i Småland*, p.386-400. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Includes description of its vegetation.
- 72514 STERNER, R. A look at Småland's coast. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. *Natur i Småland*, p.340-351. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Chiefly on vegetation and flora.
- 72515 STERNER, R. Möre. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K. *Natur i Småland*, p.432-442. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
Includes description of its vegetation.
- 72516 TOBIA, M. Sintesi di botanica per i licei classici [Synthesis of botany for classical schools]. Milano, Vallardi, 1950. 103 p. (Quaderni di Sintesi) 463 T55
- 72517 TRIVEDI, B. S. Plant impressions from the coal measures of Southern Shan States, Burma. *Indian Bot. Soc. J.* 29:214-220. Nov. 1950. 450 J821
- 72518 VAN ZIJL, G. A. Bushmanland shall never become a desert. (In Afrikaans.) *Landbouweekblad* 33(1667):25. June 27, 1951. 24 L232
Vegetation.
- 72519 WATSON, W. C. R. The sequence of the pliocene and pleistocene bramble floras in periglacial S. E. England. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p.102-104. Oxford, 1951. 451 B658S
- 72520 WEGER, N. Zum thema frostschutz. (Abs.) *Angew. Chem.* 63:291. June 21, 1951. 384 Z33
For plants.

72521 WESLEY, A., and KUYPER, B. Electron-microscopic observations on the xylem elements of a fossil plant. *Nature* [London] 168:137-140. Ref. July 28, 1951. 472 N21

72522 WHITFORD, K. R., and WHITFORD, P. B. Species list of a native oak woods. *Wild Flower* 27:41-46. Apr. 1951. 451 W642
Vegetation in Illinois.

72523 WYMAN, D. The Arnold Arboretum. Roy. Hort. Soc. J. 76:225-230. July 1951. 84 L84J

72524 WYMAN, L. C., and HARRIS, S. K. The ethnobotany of the Kayenta Navaho. *N. Mex. U. P. Biol.* 5,66 p. 1951. 442.9 N46

72525 WRAAE-JENSEN, H. Harvesting and threshing of seed crops. (In Danish.) *Dansk Landbr.* 70:322-323. July 12, 1951. 280.28 V91

72526 YOUNGKEN, H. W. Pharmaceutical botany. Ed. 7. Philadelphia, Blakiston, 1951. 752 p. 463 Y8

72527 ZIMMERLI, E. Der untergang einer landschaft; eine skizze des heutigen Wauwilermooses. *Leben u. Umwelt* 7:169-178. May 1951. 410 L49
Includes flora.

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

72528 AELLEN, P. Ergebnisse einer botanisch-zoologischen sammelreise durch den Iran 1948/49. *Natforsch. Gesell. Verhandl.* 61:128-140, 157-198. Ref. Nov. 15, 1950. 508 B29

Account of the journey, and Part I of the botanical results. Includes new species in: *Anthochlamys* and *Horaninowia*.

72529 AHLNER, S. Features of Gästrikland's flora. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 46-59. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

72530 AHLNER, S. The seaboard. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 286-296. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

Includes description of its vegetation and flora.

72531 ALVAREZ LOPEZ, E. La doctrina de la simetría en A. P. de Candolle y los problemas fundamentales de la clasificación. *Madrid. Jard. Bot. An.* 9:5-94. Ref. 1948/49, pub. 1950. 451 M262

72532 ARNELL, S. Sävassjön, a pearl of Gästrikland. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 237-241. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

Includes the flora of the area.

72533 BLACKBURN, K. B. A historical approach: some late-glacial species from the lower Tees area and their present distribution. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p. 96-102. Oxford, 1951. 451 B658S

72534 BORJA CARBONELL, J. Estudio fitográfico de la Sierra de Corbera (Valencia). *Madrid. Jard. Bot. An.* 9:361-483. Ref. 1948/49, pub. 1950. 451 M262

72535 BOTANICAL SOCIETY OF THE BRITISH ISLES. The study of the distribution of British plants being the report of the conference held in 1950. Oxford, 1951. 128 p. 451 B658S

72536 CORE, E. L. Botanizing in the Northern Andes. *Wild Flower* 27:6-20. Jan. 1951. 451 W642

72537 DANDY, J. E. The Watsonian vice-county system. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p. 23-30. Oxford, 1951. 451 B658S

72538 DANIELSSON, B. Contributions to the flora of Jämtland (Central Sweden). (In Swedish.) *Svensk Bot. Tidskr.* 45:400-407. Ref. 1951. 450 Sv2
English summary.

72539 DONY, J. G. Problems of distribution raised in the compilation of a County flora. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p. 69-74. Ref. Oxford, 1951. 451 B658S
Includes discussion.

72540 EASTHAM, J. W. The flora of Fairmont Hot Springs [British Columbia]. *Mus. & Art Notes* (ser. 2) 1(4):20-25. Mar. 1951. 517 V28

72541 ELIASSON, H., and PALM, T. The primeval forest islands in the lower Dala River. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 275-285. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

72542 GENTY, P. Florule du plateau marécageux de Châteaurenard près Gevrey (Côte-d'Or). *Soc. Bot. de France. B.* 98:8-11. Jan./Mar. 1951. 451 F84B

72543 GOSSWEILER, J. Exotic flora of Angola. (In Portuguese.) *Agron. Angolana* 4:167-194. (Concl.) 1950. 24 Ag83

Index of valid botanical names.

72544 GRANT, M. L. Dickinson County flora. *Iowa Acad. Sci. Proc.* 57:91-129. Ref. 1950. 500 Io93

72545 HULTBERG, G. Round Inre Fjården. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 316-329. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

Includes description of the flora.

72546 HUNNEWELL, F. W. New plant records for West Virginia. *Castanea* 16:63-64. Ref. June 1951. 450 So82

72547 JÄRBING, J. The Kungsberg—a southerly mountain in Gästrikland. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 152-162. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432
Includes its flora.

72548 JÄRBING, J. Nature in the Järboarea. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 142-151. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432
Includes its flora.

72549 JOVET, P. Plantes du Sud-Ouest (Landes et Pays Basque français). *Paris. Mus. Natl. d'Hist. Nat. B.* (ser. 2) 22:603-610. Oct. 1950. 410.9 P213

72550 KLOOS, A. W. The study of plant distribution in Holland. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p. 64-68. Oxford, 1951. 451 B658S

Includes discussion.

72551 LEON, BROTHER., and ALAIN, BROTHER. Novedades de la flora cubana (II). *Col. de La Salle. Mus. de Hist. Nat. Contrib. Ocas.* 9, 24 p. 1950. 516 H292

72552 LEROY, J. F. Les divisions ethno- et biogeographiques du Pacifique. *Rev. Internat. de Bot. Appl. d'Agr. Trop.* 31:90-94. Jan./Feb. 1951. 26 R323
In relation to plants.

72553 LÖBER, K. Beiträge zur flora des Dillkreises. *Nassau. Ver. f. Natk. Jahrb.* 88:49-69. May 1950. 410.9 N18J

72554 LØDDESØL, A., and LID, J. Myrtyper og nyrplanter [Marshes and marsh plants]. Grøndahl & søns. *Landbrskr.* 39, 95 p. Ref. 1950. 11 G89

72555 LOSA ESPANA, M. Contribución al estudio de la flora en la Provincia de Zamora. *Madrid. Jard. Bot. An.* 9:485-502. 1948/49, pub. 1950. 451 M262

72556 LOUSLEY, J. E. The Watsonian vice-county system in practice. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p. 30-47. Ref. Oxford, 1951. 451 B658S

72557 MARCET, A. F. Flora montserratina. *Soc. Españ. de Hist. Nat. B. Secc. Biol.* 48:87-108. (Cont.) 1950. 442.9 So18

72558 MAYER, A. Exkursionsflora von Südwürttemberg und Hohenzollern, mit besonderer berücksichtigung der universitätsstadt Tübingen. Stuttgart, Wissenschaftliche Verlagsgesellschaft, 1950. 527 p. 459.3 M45

72559 NANNFELDT, J. A. Some noteworthy plants from the Gästrikland coast. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 297-306. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

72560 NISSEN, K. Some gratifying botanical observations in Finmark summer 1950. (In Norwegian.) *Blyttia* 9:23-25. 1951. 450 B622

72561 RUDD, V. E. Geographical affinities of the flora of North Dakota. *Amer. Midland Nat.* 45:722-739. Ref. May 1951. 410 M58

72562 SALISBURY, SIR E. The west Australian flora. *Nature* [London] 168:57-60. July 14, 1951. 472 N21

72563 SJÖRS, H. The Jordbärsmyr. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 253-260. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

Includes description of its vegetation.

72564 SKYTTE-CHRISTIANSEN, M., and HENNING, A. Korchs atlas over den Danske flora [Korch's atlas of the Danish flora]. København, Korch, 1940, i.e. 1950. 128 p. 459.1 Sk9

72565 VALENTINE, D. H. Geographical distribution and isolation in some British ecospecies. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p. 82-90. Ref. Oxford, 1951. 451 B658S

72566 WALTERS, S. M. The study of plant distribution. In *Botanical Society of the British Isles. The study of the distribution of British plants*, p. 12-23. Ref. Oxford, 1951. 451 B658S

Spermatophytes

- 72567 ADAMSON, R. S. A revision of the sub-genus *Solandra* of *Centella*. J. So. African Bot. 17:1-48. Jan. 1951. 450 J8262
- 72568 AHLES, H. E. Interesting weeds in New York City. Torrey Bot. Club. B. 78:266-269. May/June 1951. 451 T63B
- 72569 APPLETON, H. What's that shrub? A guide to the most common shrubs and vines. Washington, Forestry Enterp., 1951. 58 p. 97.31 Ap5
- 72570 BACKEBERG, C. Some results of twenty years of Cactus research. II. Cactus & Succulent J. 23: 81-88. May/June 1951. 451 C11
- 72571 BALL, C. R. New combinations in *Salix* (sections *Pellitae* and *Phylicifoliae*). Amer. Midland Nat. 45:740-749. May 1951. 410 M58
- 72572 BARKLEY, F. A., and MEYER, T. El nombre botánico del "quebracho colorado santiaguense" [*Aspidosperma quebracho-colorado*]. Soc. Argentina de Bot. B. 3:155-156. Oct. 1950. 451 So124
- 72573 BLAKE, S. F. Erroneous record of *Borrchia frutescens* from District of Columbia. Rhodora 53:206-207. Aug. 1951. 450 R34
- 72574 BLAKE, S. T. A further note on valid and legitimate names. Australas. Herb. News 8:8-11. Mar. 1951. 450 Au7
Apocynaceae.
- 72575 BROOKE, J. The wild orchids of Britain. London, Bodley Head, 1950. 139 p. Ref. 96.2 B79
- 72576 BURR, R. D. Uncommon occurrence in buffalo-grass [*Buchloë dactyloides*]. J. Range Mangt. 4:267-269. Ref. July 1951. 60.18 J82
- 72577 BUXBAUM, F. Grundlagen und methoden einer erneuerung der systematik der höheren pflanzen; die forderung dynamischer systemik im bereiche der blütenpflanzen. Wien, Springer, 1951. 224 p. 452.04 B98
- 72578 CAMUS, A. Les Arthracon (Graminées) de Madagascar. Soc. Bot. de France. B. 98:35-36. Jan./Mar. 1951. 451 F84B
- 72579 CAMUS, A. Le genre *Nothofagus*. Rev. Internatl. de Bot. Appl. d'Agr. Trop. 31:71-84. Jan./Feb. 1951. 26 R323
- 72580 CARDENAS, M. New Bolivian cacti. II. Cactus & Succulent J. 23:89-98. May/June 1951. 451 C11
New species in: *Castellanosia* n.g., *Bolivocereus* n.g., *Rebutia*, and *Parodia*.
- 72581 CAVACO, A. *Sarcolaena delphinensis* sp. nov. (Chlaenaceae). Paris. Mus. Natl. d'Hist. Nat. B. (ser.2). 22:615-617. Oct. 1950. 410.9 P213
- 72582 CHATER, E. H., and JONES, H. New forms of *Spartina townsendii* (Groves). Nature [London] 168: 126. July 21, 1951. 472 N21
- 72583 CHEVALIER, A. Affinités du genre *Nothofagus* Bl. Rev. Internatl. de Bot. Appl. d'Agr. Trop. 31:70-71. Jan./Feb. 1951. 26 R323
- 72584 CHEVALIER, A. Existe-t-il des cotonniers sauvages en Océanie? Rev. Internatl. de Bot. Appl. d'Agr. Trop. 31:53-54. Jan./Feb. 1951. 26 R323
- 72585 CLAUSEN, R. T. Description of a *Sedum* from Orizaba, Vera Cruz [Mexico]. Cactus & Succulent J. 23: 125-127. July/Aug. 1951. 451 C11
- 72586 CORE, E. L., and DAVIS, H. A. Additions to the catalogue of the vascular plants of West Virginia, VIII. W. Va. Acad. Sci. Proc. 22:54-55. 1950. 500 W52
- 72587 COVAS, G. Nuevo *Hordeum* [*H. parodii*] hexaploide indígena en la Patagonia. Rev. Argentina de Agron. 18:74-77. June 1951. 9 R327
- 72588 CRONQUIST, A. A new *Artemisia* [*A. porteri*] from Wyoming. Madroño 11:145-146. July 1951. 450 M26
- 72589 CUTAK, L. *Peniocereus* is a sextette. Cactus & Succulent J. 23:75-77. May/June 1951. 451 C11
- 72590 DEGENER, O., and GREENWELL, A. B. H. A new variety of *Perrottetia* (Celastraceae) from the Hawaiian Islands. Rev. Sudamer. de Bot. 10:25. Apr. 1951. 450 R3242
- 72591 DIMITRI, M. J., and RIAL ALBERTI, F. Flacurtiaceas. Buenos Aires. Inst. de Bot. Plantas Cult. en la Repub. Argentina 8(133), 15 p. Ref. 1951. 451 B863P
- 72592 DONY, J. G. The distribution of *Bunium bulbocastanum*. In Botanical Society of the British Isles. The study of the distribution of British plants, p.74-76. Oxford, 1951. 451 B658S
- 72593 DUCKE, A. The aritú [*Licaria aritú*] or louró aritú, a new species of timber tree from the Brazilian Amazon. Torrey Bot. Club. B. 78:322-323. July/Aug. 1951. 451 T63B
- 72594 EWAN, J. The genus *Delphinium* in North America: supplementary notes and distribution records. Torrey Bot. Club. B. 78:376-381. Sept./Oct. 1951. 451 T63B
- 72595 FAEGRI, K. News on the genus *Saxifraga* and *Polemonium*. (In Norwegian.) Blyttia 9:22-23. 1951. 450 B622
- 72596 FASSETT, N. C. *Callitriche* in the New World. Rhodora 53:185-194. (Cont.) Aug. 1951. 450 R34
- 72597 FISCHER, F. *Lamium orvala* L. im Salzburgerischen. Bayer. Bot. Gesell. Ber. 28:294-295. 1950. 451 B34B
- 72598 FITSCHEN, J. Gehölzflora; ein buch zum bestimmen der in Deutschland und den angrenzenden ländern wildwachsenden und angepflanzten bäume und sträucher. Ed. 4. Heidelberg, Quelle & Meyer, 1950. 228 p. 459.3 F55
- 72599 FOURNIER, P. *Adonis distortus* Ten. dans Plaine. Monde des Plantes 45:74. Nov. 1950. 450 M743
- 72600 FOURNIER, P. Le chamœcisso des Anciens est une Pyrole et leur hippophaeston est l'*Andrachne telephoides*. Soc. Bot. de France. B. 98:29-31. Jan./Mar. 1951. 451 F84B
- 72601 GAGNEPAIN, F. Orchidacées nouvelles d'Indochine. Paris. Mus. Natl. d'Hist. Nat. B. (ser.2):22:625-633. (Concl.) Oct. 1950. 410.9 P213
New species in *Calanthe*, *Cymbidium*, *Thrixspermum*, *Vanda*, *Saccolabium*, *Sarcanthus*, *Cleisostoma*, *Ornithochilus*, *Anaectochilus*, and *Parhabenaria*.
- 72602 GILKEY, H. M. A new *Fritillaria* [*F. gentneri*] from Oregon. Madroño 11:137-141. Ref. July 1951. 450 M26
- 72603 GOMES JUNIOR, J. C. Contribution to the knowledge of the Brazilian Bignoniaceae. IV. (In Portuguese.) Rev. Bras. de Biol. 11:49-52. Feb. 1951. 442.8 R326
Includes *Alsocydia* n.g.
- 72604 GOTTSCHO, S. H. The pocket guide to the wildflowers; how to identify and enjoy them. New York, 1951. 192 p. (Pocket Book, 788) 455 G71W
- 72605 GOULD, F. W. Grasses of southwestern United States. Ariz. U. Biol. Sci. B. 22(1), 342 p. Ref. Jan. 1951. 442.9 Ar4
Includes: The role of grasses in the vegetation of Arizona, by F. Shreve, p. 10-20; The genus *Eragrostis*, by L. H. Harvey, p. 75-88.
- 72606 GOWDA, M. The genus *Pittosporum* in the Sino-Indian region. Arnold Arboretum. J. 32:263-301. (To be cont.) July 1951. 451 Ar6J
- 72607 GUINEA, E. Tuncaceae, Cyperaceaeque fernandopolinae. Madrid. Jard. Bot. An. 9:335-360. 1948/49, pub. 1950. 451 M262
- 72608 GUNTER, G. A note on the blooming of Drummond's primrose [*Oenothera drummondii*]. Torrey Bot. Club. B. 78:350. July/Aug. 1951. 451 T63B
- 72609 HAFNER, P. Ein neuer standort von *Orchigymnadenis fuchsii* Keller et Soo in Oberbayern. Bayer. Bot. Gesell. Ber. 23:295-296. 1950. 451 B34B
- 72610 HARA, H. Notes on Japanese *Elaeocarpus*. J. Jap. Bot. 26:91-94. Mar. 1951. 450 J8223
- 72611 HAWKES, A. D. Major genera of cultivated orchids—XI, XIII-XIV. Amer. Orchid Soc. B. 20:284-285, 423-424, 486. May, July-Aug. 1951. 80 Am329
- 72612 HAWKES, A. D. A new genus [*Pseudohomalomena*] of Ecuadorean Araceae. Madroño 11:146-149. July 1951. 450 M26
- 72613 HERTER, G. *Gymnocalcium artigas*, una Cactácea nueva del Uruguay. Rev. Sudamer. de Bot. 10:1-2. Apr. 1951. 450 R3242
- 72614 HEYWOOD, V. H. The distribution of the *Digitalis purpurea* complex. In Botanical Society of the British Isles. The study of the distribution of British plants, p.104-105. Oxford, 1951. 451 B658S
- 72615 HOEHNE, F. C. List of new varieties of *Bifrenaria* in Brazil. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.):2:116-117. Oct. 1950. 451 In7Ar
- 72616 HOEHNE, F. C. *Octomeria* related to *O. chamaeleptotes* Reichb. F. from southern Brazil. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.):2:111-115. Oct. 1950. 451 In7Ar
- 72617 HOEHNE, F. C. Plants new to the flora of southeastern Brazil in Orchidaceae and Convolvulaceae. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.):2:105-110. Oct. 1950. 451 In7Ar
Includes new species in: *Habenaria*, *Pleurothallis*, *Vanilla*, *Polystachya*, *Bulbophyllum*, and *Ipomoea*.

- 72618 HUBBARD, C. E. Distributional studies and generic separation in *Lepturus* sensu Benth. In Botanical Society of the British Isles. The study of the distribution of British plants, p.110. Oxford, 1951. 451 B658S
- 72619 HULTEN, E. Maps of the distribution of vascular plants in N. W. Europe. In Botanical Society of the British Isles. The study of the distribution of British plants, p.48. Oxford, 1951. 451 B658S
- 72620 HUNZIKER, A. T. El nombre botánico del "chaclicón" (*Amaranthus mantegazzianus*). Rev. Argentina de Agron. 18:104-106. June 1951. 9 R327
- 72621 HURUSAWA, I. *Spicilegium plantarum Asiae Orientalis*. 3. J. Jap. Bot. 26:81-90. Mar. 1951. 450 J8223
- Includes new species in *Oxytropis*, *Betula*, and *Galium*.
- 72622 HUTCHISON, P. C. Studies in the genus *Haworthia* Duval. *Cactus & Succulent J.* 23:99-102. Ref. May/June 1951. 451 C11
- 72623 ISELY, D., WEST, D., and POHL, R. W. Seeds of agricultural and weedy *Bromus*. Iowa State Col. J. Sci. 25:531-548. July 1951. 470 Io9
- 72624 JACOBSEN, H., VOLK, O. H., and HERRE, H. Mesembryanthemaceae. *Grundlagen u. Fortschr. im Gart.- u. Weinbau* 84, 128 p. 1950. 80 G922
- 72625 JAEGER, E. C. Desert ironwood [*Olneya tesota*]. *Pacific Discovery* 4(2):18-21. Mar./Apr. 1951. 500 P112
- 72626 JOHNSTON, I. M. Studies in the Boraginaceae. XXI. Sino-Indian species of *Onosma*. *Arnold Arboretum J.* 32:201-225. July 1951. 451 Ar6J
- 72627 KAUSEL, E. Notas sobre plantas ornamentales y forestales chilenas. II. Rev. Argentina de Agron. 18:98-103. June 1951. 9 R327
- 72628 KEET, J. D. M. Check list of trees of the Okavango native territory. So. African Forestry Assoc. J. 20:106. Apr. 1951. 99.9 So82
- 72629 KLAPP, E. L. Taschenbuch der gräser. Ed. 6, rev. and enl. Berlin, Parey, 1950. 212 p. 60.1 K66
- 72630 KOBUSKI, C. E. Studies in the Theaceae, XXIII. The genus *Pelliciera*. *Arnold Arboretum J.* 32:256-262. July 1951. 451 Ar6J
- 72631 KOEGEL, L. Der wasserwald der mangrove. *Orion* 6:283-285. Apr. 5, 1951. 474 Or4
- 72632 KOSTRAKIEWICZ, K. *Studia systematica ad Polonicas species generis Vicia L. pertinentia*. (Abs.) *Akad. Umiej. Wydz. Mat.-Przyrodniczy. Compt. Rend.* 1950(4/5):8. Apr./May 1950. 512 K85C
- 72633 KRUKOFF, B. A., and MOLDENKE, H. N. Supplementary notes on American *Menispermaceae*. V. *Torrey Bot. Club. B.* 78:258-265. May/June 1951. 451 T63B
- 72634 LAMONT, I. *Calluna vulgaris*: a review of the literature on heather. In Scotland. Hill Farm Research Committee. Hill farm research; report, p.57-78. Ref. Edinburgh, Dept. of Agriculture, 1951. 32 Sco3
- 72635 LEWIS, H., and SNOW, R. A cytotoxic approach to *Eschscholtzia*. *Madroño* 11:141-143. July 1951. 450 M26
- 72636 LITARDIÈRE, R. DE. Sur le *Festuca rubra* L. subsp. *violacea* (Gaud.) Hack. dans les Pyrénées. *Monde des Plantes* 45:75-76. Nov. 1950. 450 M743
- 72637 LOOCK, E. E. M. A key to the trees and woody shrubs of the forests of the Knysna region. So. African Forestry Assoc. J. 20:81-105. Apr. 1951. 99.9 So82
- 72638 LOUSLEY, J. E. Wild flowers of chalk & limestone. London, Collins, 1950. 254 p. (The New Naturalist; a Survey of British Natural History [16]) 458 L93
- 72639 MALLAMAIRE, A. Glossaire des Graminées, Typhacées et Cyperacées de la région sahélo-soudanaise du Soudan. Conf. Internat. des Africanistes de l'Ouest. *Compt. Rend.* 1(1):466-470. 1945, pub. 1950. 515 C762C
- 72640 MARTIN. Giganten des waldes. *Unser Wald* 3(7):10-11. July 1950. 99.8 Un7
- Sequoia gigantea*.
- 72641 MARTÍNEZ CROVETTO, R. Nueva especie de "Pteropepon" [*P. parodii*] (Cucurbitaceae) de la flora Argentina. *Soc. Argentina de Bot. B.* 3:174-176. Oct. 1950. 451 So124
- 72642 MATHIAS, M. E., and CONSTANCE, L. Supplementary notes on South American *Hydrocotyle*. *Torrey Bot. Club. B.* 78:300-309. July/Aug. 1951. 451 T63B
- 72643 MATUDA, E. Nuevas Araceas de Chiapas. *Estudio de las plantas de Chiapas VIII. Soc. Mex. de Hist. Nat. Rev.* 11:91-107. Dec. 1950. 516 So15
- Includes new species in: *Anthurium*, *Syngonium*, *Philodendron*, and *Monstera*.
- 72644 MELVILLE, R. The topocline in *Ulmus cori-tana* Melville. In Botanical Society of the British Isles. The study of the distribution of British plants, p.105-108. Oxford, 1951. 451 B658S
- 72645 METCALFE, D. S. The botany of grasses and legumes. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. *Forages*, p.85-101. Ames, 1951. 60 H87
- 72646 MEYER, D., and MEYER, H. The distribution of *Primula elatior* (L.) Hill. In Botanical Society of the British Isles. The study of the distribution of British plants, p.80. Oxford, 1951. 451 B658S
- 72647 MOLINARI, E. P. *Commelinaceas*. Buenos Aires. Inst. de Bot. Plantas Cult. en la Repub. Argentina 2(36), 22 p. Ref. 1951. 451 B863P
- 72648 MULLER, C. H. The significance of vegetative reproduction in *Quercus*. *Madroño* 11:129-137. July 1951. 450 M26
- 72649 NARAYANASWAMI, V., and RAO, R. S. A preliminary note on the Indo-Burmese species of *Grewia*. *Indian Bot. Soc. J.* 29:177-190. Ref. Nov. 1950. 450 J821
- 72650 NERMES, E. The Antarctic origin of some British "Carices." In Botanical Society of the British Isles. The study of the distribution of British plants, p.108-110. Oxford, 1951. 451 B658S
- 72651 OLIVE, L. S. A new orchid [*Habenaria clavel-lata*] from the southern Appalachians. *Torrey Bot. Club. B.* 78:289-291. July/Aug. 1951. 451 T63B
- Habenaria clavellata wrightii*.
- 72652 OWNBEY, M. The genus *Allium* in Texas. *Wash. State Col. Res. Studies* 18:181-222. Dec. 1950. 500 W279
- 72653 PARODI, L. R. *Artemisia annua*, planta invasora en Pergamino. Rev. Argentina de Agron. 18:110-112. June 1951. 9 R327
- 72654 PARODI, L. R. La sinonimia de "*Triticum paradoxum*." Rev. Argentina de Agron. 18:112. June 1951. 9 R327
- 72655 PAUNERO RUIZ, E. Las especies españolas del género *Trisetaria* Forsk. *Madrid. Jard. Bot. An.* 9:503-582. 1948/49, pub. 1950. 451 M262
- 72656 PELLEGRIN, F. Deux plantes congolaises à affinités asiatiques. *Soc. Bot. de France. B.* 98:17-18. Jan./Mar. 1951. 451 F84B
- Neosloetiopsis kamerunensis* and *Ancistrocladus le testui* n. sp.
- 72657 PESMAN, M. W. Colorado Cacti. *Green Thumb [Denver]* 8(8):6-10. Aug. 1951. 80 G82
- 72658 PFEIFFER, H. H. *Lophopyxis* als typus einer eigenen familie. Rev. Sudamer. de Bot. 10:3-6. Ref. Apr. 1951. 450 R3242
- English summary.
- 72659 PFEIFFER, H. H. Die Verbenaceenholzer von Uruguay. Rev. Sudamer. de Bot. 10:7-12. Ref. Apr. 1951. 450 R3242
- English summary.
- 72660 QAZILBASH, N. A. A new species of *Artemisia* [*A. kurramensis*] from Kurram Valley. *Indian Bot. Soc. J.* 29:190-194. Nov. 1950. 450 J821
- 72661 QUEZEL, P. Un *Arabis* nouveau de la flore française: *Arabis janitrix*, nov. sp. *Soc. Bot. de France. B.* 98:18-21. Jan./Mar. 1951. 451 F84B
- 72662 QUISUMBING, E. The genus *Renanthera* of the Philippines. *Philippine Orchid Rev.* 3(2):3-11. June 1950. 80 P53
- 72663 QUISUMBING, E. A rare jewel among orchids (*Angraecum philippinense* Ames). *Philippine Orchid Rev.* 3(1):9-11. Feb. 1950. 80 P53
- 72664 RAYMOND, M. Une nouvelle variété de l'*Eriophorum callitrix* Cham. *Soc. Bot. de France. B.* 98:6-8. Jan./Mar. 1951. 451 F84B
- 72665 RAYMOND, M. Two color-forms in *Eriophorum*. *Rhodora* 53:208. Aug. 1951. 450 R34
- 72666 RECHINGER, K. H. *Compositae novae persicae afghanicae et kurdicae*. *Osterr. Bot. Z.* 97:221-268. Spring 1950. 450 Os7
- New species in: *Blumea*, *Erigeron*, *Gnaphalium*, *Heli-chrysum*, *Anthemis*, *Chrysanthemum*, *Tripleurospermum*, *Artemisia*, *Doronicum*, *Senecio*, *Echinops*, *Cirsium*, *Jurinea*, *Centaurea*, *Chondrilla*, *Leontodon*, *Scorzonera*, and *Lactuca*.
- 72667 RIZZINI, C. T. Partial synopsis of the Brazilian *Acanthaceae*. (In Portuguese.) *Dusenía* 2:145-188. Ref. May 31, 1951. 410 D94
- 72668 ROBERTS, E., and COS, H. Species nomenclature of the African violet; with special attention to the species *Saintpaulia pusilla*. *African Violet Mag.* 4(4):14-15. (Cont.) June 1951. 80 Af8

- 72669 RODRIGUES, J. E. DE M. On the Caryo-systematics of *Helianthemum libanotis* (L.) Wild. (In Portuguese.) Soc. Broteriana. Mem. 6:113-119. Ref. 1950. 451 C66M
- 72670 ROSENDAHL, C. O., and BUTTERS, F. K. A guide to the spring flowers of Minnesota. Ed. 8, rev. Minneapolis, Burgess Pub., 1951. 108 p. 455.73 R72G
- 72671 ROWLEY, G. D. The scientific approach to succulents. 3. Cactus & Succulent J. Gt. Brit. 13:52-55. July 1951. 450 C113
- 72672 ROWLEY, G. D. Studies in Ficoidaceae. I. The family name. Natl. Cactus & Succulent J. 6:27-28. June 1951. 450 N21
- 72673 SCHWANTES, G. The Lithopinae. Natl. Cactus & Succulent J. 6:23-24. (Concl.) June 1951. 450 N21
- 72674 SCHWEINFURTH, C. Orchidaceae peruviana. VII. Harvard U. Bot. Mus L. 15(1), 28 p. May 25, 1951. 451 H262
- 72675 SENAY, P. Le groupe des *Carex flava* et *C. oederi*. Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22:618-624. (Cont.) Oct. 1950. 410.9 P213
- 72676 SMITH, A. C. Studies of Pacific island plants. IX. Notes on the Rutaceae of Fiji, Samoa, and Tonga. Arnold Arboretum. J. 32:226-255. July 1951. 451 Ar6J
Includes new species in: *Fagara*, *Evodia*, and *Melicope*.
- 72677 SMITH, C. E. Trees. London, Nelson, 1950? 131 p. (The Shown Series) 99.3 Sm5
- 72678 SMITH, L. B. New or interesting Bromeliaceae from Brazil. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.)2:118-120. Oct. 1950. 451 In7Ar
Includes new species in: *Aechmea*, *Cryptanthus*, and *Neoregelia*.
- 72679 SOEST, J. L. VAN. Sur quelques *Hieracia* du Portugal. Soc. Broteriana. Mem. 6:93-101. 1950. 451 C66M
- 72680 STÖRMER, P. On *Glyceria declinata*. Blyttia 9:1-15. Ref. 1951. 450 B622
- 72681 STRONG, W. H. Korean and Chinese flowering dogwoods. Natl. Hort. Mag. 30:143-145. July 1951. 80 N216
- 72682 CORNUS kousa and *Cornus kousa chinensis*.
- 72682 TISCHER, A. New Conophytums. Natl. Cactus & Succulent J. 6:32, 31. June 1951. 450 N21
- 72683 UITEWAAL, A. J. A. *Adromischus maculatus* (S.-D.) Lem. Natl. Cactus & Succulent J. 6:37. June 1951. 450 N21
- 72684 UITEWAAL, A. J. A. *Adromischus trigynus* (Burch.) Poelln. Natl. Cactus & Succulent J. 6:34-36. June 1951. 450 N21
- 72685 VÉLEZ, I. Plantas indeseables en los cultivos tropicales. Rio Piedras, Editorial Universitaria, 1950. 497 p. 460.6 V54
- 72686 VOOGD, C. N. A. DE. Ken je die plant? Beeknopte plantenatlas voor Indonesië [Do you know the plants? Brief plant atlas of Indonesia]. 's-Gravenhage, Van Hoeve, 1950. 264 p. 460.21 V89
Wild flowers.
- 72687 WAKEFIELD, N. A. Notes on some Australian species of *Hydrocotyle*. Victorian Nat. 68:7-9. May 1951. 410 V66
- 72688 WILLIAMS, L. O. The Orchidaceae of Mexico. Ceiba 2(1), 98 p. June 20, 1951. 475 C32
- Pteridophytes**
- 72689 ANDREWS, A. L. Studies in the Warnstorf *Sphagnum* Herbarium. VI. The Subgenus *Inophloea* in the Eastern Hemisphere. Bryologist 54:83-91. June 1951. 450 B84
- 72690 HAUGE, N. *Botrychium simplex* in Østfold, SE Norway. (In Norwegian.) Blyttia 9:16-21. Ref. 1951. 450 B622
English summary.
- 72691 HAWKES, A. D. The correct name of *Phymatodes heterophyllum*. Amer. Fern J. 41:52-53. Apr./June 1951. 450 Am35
- 72692 HODGDON, A. R., and HASTINGS, A. D. *Dryopteris fragrans* var. *remotiuscula* and some other ferns from the vicinity of Lake Sunapee, N. H. Amer. Fern J. 41:46-48. Apr./June 1951. 450 Am35
- 72693 HUMFELD, P. H. A checklist of Kansas Pteridophytes. Amer. Fern J. 41:53-60. Apr./June 1951. 450 Am35
- 72694 LEARMONTH, N. F. More forked spleenwort. Victorian Nat. 67:224. Mar. 1951. 410 V66
Asplenium praemorsum.
- 72695 MORTON, C. V., and PROCTOR, G. R. A new Jamaican species of *Hemitelia*. Amer. Fern J. 41:48-51. Apr./June 1951. 450 Am35
- 72696 POLUNIN, N. The real Arctic and its Pteridophyta. Amer. Fern J. 41:33-46. Ref. Apr./June 1951. 450 Am35
- 72697 QUISUMBING, E. Orchid companions—ferns. Philippine Orchid Rev. 3(2):21-28. June 1950. 80 P53
- 72698 SASAKI, T. Some ferns new to Hokkaido. (In Japanese.) J. Jap. Bot. 26:95. Mar. 1951. 450 J8223
- 72699 SHAVER, J. M. The hartfordfern (climbing fern) [*Lygodium palmatum*] in Tennessee. Tenn. Acad. Sci. J. 26:128-134. (To be cont.) Apr. 1951. 500 T25A
- 72700 SHAVER, J. M. The hayscentedfern [*Dennstaedtia punctilobula*] in Tennessee. Tenn. Acad. Sci. J. 26:114-116. Ref. Apr. 1951. 500 T25A
- 72701 SHAVER, J. M. The sensitivefern [*Onoclea sensibilis*] in Tennessee. Tenn. Acad. Sci. J. 26:118-126. Ref. Apr. 1951. 500 T25A
- Bryophytes**
- 72702 BARTRAM, E. B. *Glossadelphus andersonii*, a new genus to the United States moss flora. Bryologist 54:81-82. June 1951. 450 B84
- 72703 BERGHEN, C. VANDEN. Note sur quelques Hépatiques récoltées par R. E. et T. Fries, en 1922, au Mont Kénia. Svensk Bot. Tidskr. 45:362-367. 1951. 450 Sv2
- 72704 BLOMQUIST, H. L., and ROGERS, H. J. *Sphagnum macrophyllum* Bernh. Bryologist 54:95-102. Ref. June 1951. 450 B84
- 72705 CLARK, L., and SVIHLA, R. D. Three closely related forms of *Frullania*. Bryologist 54:124-126. June 1951. 450 B84
- 72706 CONARD, H. S. *Desmatodon obtusifolius* in Iowa. Bryologist 54:128-130. June 1951. 450 B84
- 72707 CONARD, H. S. *Fissidens rufulus*. Bryologist 54:127-128. June 1951. 450 B84
- 72708 CORTES LATORRE, C. Aportaciones a la briología española. Madrid. Jard. Bot. An. 9:259-333. 1948/49, pub. 1950. 451 M262
- 72709 FITZGERALD, R. D. The discovery of *Fontinalis dixonii* Card. et Dix. in Ireland. Irish Nat. J. 10:164-166. Apr. 1951. 410 Ir42
- 72710 GAUME, R. Muscinées de la Forêt d'Argonne. Monde des Plantes 45:70. Nov. 1950. 450 M743
- 72711 HATTORI, S. The genus *Acrobolbus* (Hepaticae) in Japan. (In Japanese.) J. Jap. Bot. 26:96. Mar. 1951. 450 J8223
- 72712 HATTORI, S. On the distribution of the Hepaticae of Shikoku and Kiushiu (Southern Japan). Bryologist 54:103-118. Ref. June 1951. 450 B84
- 72713 HESLOP HARRISON, J. Note on the history of *Sphagnum*. Irish Nat. J. 10:153. Apr. 1951. 410 Ir42
- 72714 LAWTON, E. The peristome of *Clasmatodon parvulus* (Hampe) Sull. Torrey Bot. Club. B. 78:206-210. Ref. May/June 1951. 451 T63B
- 72715 MOUL, E. T. *Atrichum* in New Jersey and Pennsylvania. Bryologist 54:131-133. June 1951. 450 B84
- 72716 PROSKAUER, J. Studies on *Anthocerotales*. III. Torrey Bot. Club. B. 78:331-349. Ref. July/Aug. 1951. 451 T63B
- 72717 SAYRE, G. The identity of *Grimmia ovalis* and *G. commutata*. Bryologist 54:91-94. June 1951. 450 B84
- 72718 STEERE, W. C. *Tortula stanfordensis*, a new species from California. Bryologist 54:119-123. June 1951. 450 B84
- Algae**
- 72719 BØRGENSEN, F. A new species of the genus *Predaea*. Dansk Bot. Arkiv 14(4), 8 p. 1950. 450 D23
- 72720 CAMARA NINO, F. Estudios sobre flora de las aguas minerales. Madrid. Jard. Bot. An. 9:129-258. Ref. 1948/49, pub. 1950. 451 M262
- 72721 FJERDINGSTAD, E. The microphyte communities of two stagnant freshwater ditches rich in H₂S. Dansk Bot. Arkiv 14(3), 44 p. Ref. 1950. 450 D23
- 72722 GONZALEZ GUERRERO, P. Algas del río Tinto (Huelva). Madrid. Jard. Bot. An. 9:111-128. 1948/49, pub. 1950. 451 M262
- 72723 JØRGENSEN, E. G. Diatom communities in some Danish lakes and ponds. II. Dansk Bot. Arkiv 14(2); 19 p. Ref. 1950. 450 D23
- 72724 KASAKI, H. Charophyta in the lakes of the Kamikita lake group. (Notes on the Charophyta-flora in Japan. I.) (In Japanese.) J. Jap. Bot. 26:65-70. Ref. Mar. 1951. 450 J8223
English summary.

- 72725 LAMI, R. La contribution de Dumont d'Urville a l'algologie marine. Rev. Internatl. de Bot. Appl. d'Agr. Trop. 31:113-117. Jan./Feb.1951. 26 R323
- 72726 LOCKER, F. Beiträge zur kenntnis des formwechsels der diatomeen an hand von kulturversuchen. Österr. Bot. Z. 97:322-332. Ref. 1950. 450 Os7
- 72727 MESSIKOMMER, E. Weiterer (zweiter) beitrage zur algenkunde des Kantons Schaffhausen. Natforsch. Gesell. Schaffhausen. Mitt. 23:45-174. Ref. 1950. 508 Schl
- 72728 PETERSEN, J. B. Observations on some small species of Eunotia. Dansk Bot. Arkiv 14(1), 19 p. Ref. 1950. 450 D23
- 72729 STOSCH, H. A. VON. Entwicklungsgeschichtliche untersuchungen an zentrischen Diatomeen I. Die auxosporenbildung von Melosira varians. Arch. f. Mikrobiol. 16:101-135. Ref. Spring 1951. 442.8 Ar26
- 72730 TAYLOR, W. R. Structure and reproduction of Chrysophaeum lewisii. Hydrobiologia 3:122-130. Apr.1, 1951. 410 H992
- 72731 TAYLOR, W. R. Structure and taxonomic status of Trichogloea herveyi. Hydrobiologia 3:113-121. Apr.1, 1951. 410 H992
- 72732 VILLERET, S. Quelques espèces d'algues d'eau douce nouvelles. Soc. Bot. de France. B. 98:37-40. Jan./Mar.1951. 451 F84B
Includes new species in Phaeothamnion and Oedogonium.
- Fungi (Including Lichens)**
- 72733 ARGENTINA. INSTITUTO DE MICROBIOLOGIA AGRICOLA. Catalogo de cultivos, suplemento. Argentina. Inst. de Microbiol. Agr. P. Misc. 4,10 p. 448.39 Ar3
- 72734 BÖMEKE, H. Nitrosomonas oligocarbogenes, ein obligat autotrophes nitritbakterium. Arch. f. Mikrobiol. 15:414-427. Ref. 1951. 442.8 Ar26
- 72735 BUCHTA, K. Zur systematik von aus leguminosensamen isolierten bakterien. Z. f. Pflanzenbau u. Pflanzenschutz 1:281-287. Ref. 1950. 464.8 P88
- 72736 BULAT, T. J. Lophotrichus as a cellulolytic genus. Iowa Acad. Sci. Proc. 57:143-148. 1950. 500 Io93
- 72737 DODGE, B. O. A fungus [Beauveria] capable of parasitizing wharf-piling borers [Nacerda melanura]. Torrey Bot. Club. B. 78:201-205. May/June 1951. 451 T63B
- 72738 DRECHSLER, C. An entomophthoraceous tardigrade parasite producing small conidia on propulsive cells in spicate heads. Torrey Bot. Club. B. 78:183-200. Ref. May/June 1951. 451 T63B
Includes Ballocephala n.g.
- 72739 FISHER, E. E. Some "sooty moulds" collected in Queensland. Roy. Soc. Victoria. Proc. (n.s.)62:129-135. Ref. 1950. 514 M482
Chaetothyriaceae (including Setella halphila n. sp.), Microthyriaceae, and Perisporiaceae.
- 72740 GENTILLI, J. Western Australian fungi. Westralian Farmers Co-op Gaz. 20:231-234. Apr.1951. 280.28 W522
- 72741 HEIM, R. Les champignons luminescents de l'Océanie. Acad. des Sci. Compt. Rend. 233:8-11. July 2, 1951. 505 P21
- 72742 HERTER, W. G. Neogyromitra und Maublancomyces, zwei wenig bekannte morchelgattungen. Rev. Sudamer. de Bot. 10:13-24. Apr.1951. 450 R3242
- 72743 HESLER, L. R. Notes on Southern Appalachian fungi. IX. Reelfoot Lake Biol. Sta. Rpt. 15:4-14. Ref. Jan.1951. 442.9 R25
- 72744 HIRATSUKA, N. Notes on species of the rust fungi collected in the vicinities of Lake Oze and Oze-gahara, Nikko National Park. (In Japanese.) J. Jap. Bot. 26:71-77. Mar.1951. 450 J8223
- 72745 HUGHES, S. J. Studies on micro-fungi. V. Acrotheca. Commonwealth Mycol. Inst. Mycol. Papers 38,8 p. Ref. July 18,1951. 451 Im73M
- 72746 KNOW your mushrooms; these paintings show the difference between tasty and poisonous species. Life 31(7):90-91. Aug.13,1951. 280.8 L62
- 72747 KRAFT, M. M. Contribution à l'étude des Micromycètes des tourbières: Mucorinées de la tourbière des Tenasses/Blonay. Soc. Vaud. des Sci. Nat. B. 65(278):19-32. Ref. 1951. 508 L37
- 72748 LAMB, I. M. Biochemistry in the taxonomy of lichens. Nature [London] 168:38. July 7,1951. 472 N21
- 72749 LING, L. Studies in the genus Cintractia. III. C. leucoderma and related species. Mycologia 43:310-318. May/June 1951. 450 M99
- 72750 MALLAMAIRE, A. Note sur un champignon comestible: Volvaria volvacea et ses possibilités de culture en Afrique Occidentale. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(1):463-465. Ref. 1945, pub.1950. 515 C762C
- 72751 MALMSTROM, N. Three mushroom rarities in Finland. Marasmiopsis subannulata (Torg.) Henn., Geaster floriformis Vitt. and Geaster bryantii Berk. (In Swedish.) Karstenia 1:77-83. Ref. 1950. 451 K14
English summary.
- 72752 MORROW, J., and SHAVER, K. A continuation of the study of the Myxomycetes in the vicinity of Mt. Pleasant, Iowa. Iowa Acad. Sci. Proc. 57:141-142. 1950. 500 Io93
- 72753 MUELLER, A. O., SCHMITT, H. P., and MUELLER, G. P. The classification of saprophytic mycobacteria consuming cholesterol. Tenn. Acad. Sci. J. 26:157-161. Apr.1951. 500 T25A
- 72754 OZENDA, P. Fluorescence des lichens en lumière de Wood. Acad. des Sci. Compt. Rend. 233:194-195. July 9,1951. 505 P21
- 72755 RAPER, K. B. Isolation, cultivation, and conservation of simple slime molds. Q. Rev. Biol. 26:169-190. Ref. June 1951. 442.8 Q2
Dictyosteliaceae.
- 72756 RAUTAVAARA, T. Poisonous fungi and fungi believed to be poisonous. Karstenia 1:37-47. Ref. 1950. 451 K14
- 72757 RIETH, A. Beitrag zur kenntnis der gattung Micromyces Dangeard I. Micromyces ovalis nov. spec. Österr. Bot. Z. 97:510-516. Ref. 1950. 450 Os7
- 72758 SAVILE, D. B. O. Two new smuts on Carex in Canada. Canad. J. Bot. 29:324-328. Aug.1951. 470 C16C
- 72759 TUOMIKOSKI, R. Paxillus filamentosus Fr. (P. leptopus Fr.) in Finnland gefunden. Karstenia 1:76-77. 1950. 451 K14
- 72760 URRIES, M. J. DE. La formación del micro-picnidio de Trybliidiella elevata (Pers.) Rehm. Madrid. Bot. An. 9:95-102. 1948/49, pub.1950. 451 M262
- 72761 URRIES, M. J. DE. Pugillus fungorum Mauritanicorum a cl. P. Unamuno collect. Madrid. Jard. Bot. An. 9:103-109. 1948/49, pub.1950. 451 M262
- PATHOLOGY**
- General**
- 72762 ALLISON, J. L., and WELLS, J. C. Forage crop diseases can be controlled. Carolina Co-op. 29(8):14-15.31. Aug.1951. 72.8 N81
- 72763 ANERUD, K. Some common diseases and pests of plants. (In Swedish.) Växt-Närings-Nytt 6(5):63-79. 1951. 57.8 V47
- 72764 BALD, J. G. Diseases of Gladiolus in southern California. No. Amer. Gladiolus Council B. 26:107,109-110. June 1951. 96.43 N81
- 72765 BALDACCI, E. Some phytopathologic aspects of the importation of Dutch flower bulbs. (In Italian.) Not. sulle Mal. delle Pianta 13:56-61. Nov./Dec.1950. 464.8 N84
- 72766 BASER, N. On the oakwilt and Dutch elm. Amer. Forests 57(7):11,40-41. July 1951. 99.8 F762
Chalara quercina and Ceratostomella ulmi.
- 72767 BAUER, R. Starkes auftreten von kleeseide. Pflanzenarzt 4(4):1-2. Apr.1,1951. 464.9 P482
- 72768 BEAUMONT, A. Diseases of wallflowers and stocks. Gard. Chron. 130:4-5. July 7,1951. 80 G162
- 72769 BEN-HEIM, I. L. Nezeki hakarah we hashalag behoref 1950 [Damage from frost and snow in the winter of 1950]. Tel Aviv, Sefer, 1950. 7 p. 93.5 B43
To fruit.
- 72770 BLUMER, S. Pflanzenschutznachrichten. Schweiz. Z. f. Obst- u. Weinbau 60:280-282. July 28,1951. 80 Sch9
- 72771 BURKHOLDER, C. L., SHARVELLE, E., and SOWDERS, G. Report on reduced gallonage and concentrate spraying. Lafayette, 1948, 1949, 1950. Hoosier Hort 32:131-134. Oct.1950. 81 In2H
- 72772 CHATELIER, P. A. Pesticides. Green Thumb [St. Petersburg] 1(9):8-9,23. July 1951. 80 G822
- 72773 CIFERRI, R. Bronze leaf of coconut palm in the Dominican Republic and Venezuela. Phytopathology 41:765-766. Aug.1951. 464.8 P56
- 72774 CIFERRI, R. Italian poplar culture in relation to diseases of the poplar. (In Italian.) Humus 7(4):11-15. Apr.1951. 16 H88

- 72775 CONGRÈS INTERNATIONAL DE LA VIGNE ET DU VIN, 6, ATHENS, 1950. Rapports et exposés. Off. Internatl. du Vin. B. 24(244):13-122. (Cont.) June 1951. 390.8 B87
Section of the congress dealing with grape diseases and pests.
- 72776 CRALL, J. M. Diseases on red clover and alfalfa in Iowa in 1950. Plant Dis. Rptr. 35:322. July 15, 1951. 1.9 P69P
- 72777 CRALL, J. M. Soybean diseases in Iowa in 1950. Plant Dis. Rptr. 35:320-321. July 15, 1951. 1.9 P69P
- 72778 CRANDALL, B. S., and PATINO, B. Enfermedades de los pepinos, melones y sandías y su control. Cent. Nac. de Agron. C. Agr. 32,4 p. Feb. 1951. 8 Sa54C
- 72779 DEMENT'EVA, M. I. Increasing the disease resistance of apricots by pruning. (In Russian.) Sad i Ogorod 3:32-34. Mar. 1951. 80 Sa13
- 72780 DEMETRIADES, S. Les maladies de la vigne en Grèce et les mesures de protection. Off. Internatl. du Vin. B. 24(244):111-113. June 1951. 390.8 B87
- 72781 DEODIKAR, G. B. Sorghum versicolor, Anderss—a species highly resistant to Striga. Cur. Sci. 20:135-136. May 1951. 475 Sci23
- 72782 DICKEY, R. D., and BLACKMON, G. H. Cold damage to tung in the Gainesville and Monticello, Florida, areas in 1950. Amer. Tung Oil Assoc. Proc. 1950:1-5. 77.9 Am32
- 72783 DURAND-GASSELIN, L. Les mouillants en viticulture. Réveil Agr. 60:115. Apr. 15, 1951. 14 R322
- 72784 FATTINGER, R. Wie können wir uns die winterspritzung verbilligen? Obst u. Gart. 6:28-29. Feb. 1951. 80 Ob75
- 72785 FERRAGUTI, A. Changes in apple leaves induced by cold in Ferrara. (In Italian.) Not. sulle Mal. delle Piante 13:5-7. Nov./Dec. 1950. 464.8 N84
- 72786 FLORIDA STATE PLANT BOARD. Report for the period July 1, 1948-June 30, 1950 (eighteenth biennial report). Gainesville? 1951. 50 p. 464.9 F662R
- 72787 FUJI, T. Partial amendment to the quarantine regulations for exported plants. (In Japanese.) Jap. J. Plant Protect. 20:6-13. Feb. 1951. 421 J27
- 72788 FUJIKAWA, T. Differences of resistance among varieties for rice. (In Japanese.) Jap. J. Plant Protect. 20:64-66. Feb. 1951. 421 J27
- 72789 GARREN, K. H., and WILSON, C. Peanut diseases. In The peanut; a symposium, p.262-324. Ref. Washington, Natl. Fert. Assoc., 1951. 77 P313
- 72790 GARRISS, H. R. What disease does your tobacco have? Prog. Farmer, Carolinas-Va. Ed. 66(6): 18,95. June 1951. 6 P945
- 72791 GERSDORF, F. Zur spierlingsbekämpfung. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 58:188-190. May/June 1951. 464.8 Z3
- 72792 GIGANTE, R. Infectious diseases of tobacco seedlings in the seedbeds of Lecce. (In Italian.) Tabacco 55:147-163. Ref. May 1951. 69.8 T115
- 72793 GOIDANICH, G. Plant diseases in the economic life of the people. (In Italian.) Italia Agr. 88:307-312. June 1951. 16 R1
- 72794 GOLDSWORTHY, M. C., and GERTLER, S. I. Fungicidal and phytotoxic properties of 412 synthetic organic compounds. Plant Dis. Rptr. Sup. 205:176-189. July 15, 1951. 1.9 P69P
- 72795 GROSSBARD, E. Antibiotics and microbial antagonism in plant pathology. Endeavour 10:145-150. Ref. July 1951. 472 En2
- 72796 GUINOT, R., and FOUCHER, O. Insectes et maladies des plantes. Paris, Editions de Montsouris, 1950. 120 p. (Collection Rustica) 423 G943
- 72797 HAHMANN, W. Welche mittelgruppen umfasst das amtliche pflanzenschutzmittel-verzeichnis? Landpost 5(27):8. July 7, 1951. 18 L2348
- 72798 HANSBROUGH, J. R. Birch dieback. Plants & Gard. 7:155. Summer 1951. 450 P694
- 72799 HANSEN, H. R. Sunde planter [Healthy plants]. Rev. ed. København, Danske Forlag, 1950. 126 p. 423 H192
Control of diseases, insects and weeds.
- 72800 HENNER, J. Pflanzenschutzarbeiten im weinbau im lichte neuerer versuchsergebnisse. Pflanzenarzt 4(5):1-2. May 1951. 464.9 P482
- 72801 HES, J. W. Diseases and pests in Java during 1950. Internatl. Sugar J. 53:187-188. July 1951. 65.8 I8
- 72802 HOLMES, E. Factors limiting crop protection progress. Fert. Feed. Stuffs & Farm Supplies J. 37:465-466. July 25, 1951. 57.8 F413
Diseases and pests.
- 72803 HOPKINS, J. C. F. A descriptive list of plant diseases in Southern Rhodesia and list of bacteria and fungi. Ed. 2, rev. South. Rhodesia. Dept. Agr. & Lands. Mem. 2,106 p. Aug. 1950. 24 R346
- 72804 HOPPE, P. E. A new technique for incubating seed corn in cold soil for disease tests. Phytopathology 41:747-751. Aug. 1951. 464.8 P56
- 72805 HUFFINGTON, J. M. Internal browning and related ripening disorders of tomatoes. South. Canner & Packer 12(7):9-11, 19-21. Ref. July 10, 1951. 389.8 So82
- 72806 HUTCHINS, L. M. Diseases of shade and forest trees. Plants & Gard. 7:120-122. Summer 1951. 450 P694
- 72807 IWAKIRI, F. Control of rice plant diseases by dust. (In Japanese.) Jap. J. Plant Protect. 23:23-26. May 1951. 421 J27
- 72808 IWASA, T. International quarantine and domestic plant quarantine. (In Japanese.) Jap. J. Plant Protect. 20:1-2. Feb. 1951. 421 J27
- 72809 KAUSHAL, R. A simple device for spraying mould spores for surface cultures. Cur. Sci. 20:158. June 1951. 475 Sci23
- 72810 KAWADA, K. Future of plant protection. (In Japanese.) Jap. J. Plant Protect. 19:1. Jan. 1951. 421 J27
- 72811 KAWAI, K. Looking back the inspection results of exported oranges. (In Japanese.) Jap. J. Plant Protect. 20:30-31. Feb. 1951. 421 J27
- 72812 KAWAMURA, S. On the significance and value of a certificate. (In Japanese.) Jap. J. Plant Protect. 19: 2-6. Jan. 1951. 421 J27
- 72813 KESSLER, H. Eine ungewöhnliche fleckenbildung auf glockenäpfeln. Schweiz. Z. f. Obst- u. Weinbau 60:259-261. July 14, 1951. 80 Sch9
Effect of spray residues.
- 72814 KING, C. J. NSW [New South Wales, Australia] forecast, tree damage and fruit loss on low lying rainfall areas. Citrus News 27:52-53. Apr. 1951. 80 C494
- 72815 KOTTE, W. Krankheiten und schädlinge des tabaks. Gesunde Pflanzen 3:3-9. Jan. 1951. 464.8 G33
- 72816 LIMA, A. D. F. What to avoid in spraying. (In Portuguese.) Seleg. Agr. 6(62):62. June 1951. 9.2 Se4
- 72817 LIMASSET, P., and DARPOUX, H. Principes de pathologie végétale. Ed. 2. Paris, Dunod, 1951. 334 p. 464 L62
- 72818 LING, L. Bibliography of soybean diseases. Plant Dis. Rptr. Sup. 204:110-173. June 15, 1951. 1.9 P69P
- 72819 LINN, M. B., and WRIGHT, J. M. Tomato diseases and insect pests: identification and control. Ill. Agr. Col. Ext. C. 683,55 p. May 1951. 275.29 IL62C
- 72820 LUCHETTI, G. Posthumous manifestations of the effects of a spring freeze on fruit trees: canker of the wood. (In Italian.) Not. sulle Mal. delle Piante 12: 8-10. Sept./Oct. 1950. 464.8 N84
- 72821 MALIANI, C. Serious frost damage to the wheats of Venezia. (In Italian.) Agr. delle Venezie 5:222. Apr. 1951. 16 Ag826
- 72822 MALLAMAIRE, A. Notes de phytopathologie soudanaise. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(1):518-526. 1945, pub. 1950. 515 C762C
- 72823 MARSDEN, D. H. Gas injury to trees. Plants & Gard. 7:156-157. Summer 1951. 450 P694
- 72824 MARTIN, G. C. Witchweed [Striga asiatica] control by spray methods. Rhodesian Tobacco J. 2(10): 75,77-79. Oct. 1950. 69.8 R34
- 72825 MILLER, P. R., and O'BRIEN, M. J. An apparently new sweet gum [Liquidambar styraciflua] disease in Maryland. Plant Dis. Rptr. 35:295-297. July 15, 1951. 1.9 P69P
- 72826 MIZOGUCHI, S. Self-support of Japanese economy and plant protection. (In Japanese.) Jap. J. Plant Protect. 19:7-11. Jan. 1951. 421 J27
- 72827 NERI, C. Frost damage in Maremma in Viterbo (In Italian.) Genio Rur. 14:349. May/June 1951. 281.8 R522
Damage to wheat.
- 72828 NEWTON, W. Experience in British Columbia with bulb diseases. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:34-37. 1950. 81 N818
- 72829 OELOFSEN, O. N. Investigation of cereal diseases in the Western Cape Province. Union So. Africa. Dept. Agr. Sci. B. 289,17 p. Dec. 1947, pub. 1950. 24 So84S
- 72830 OLSON, E. O. Observations on diseases of avocado and papaya in Texas. Weslaco, Tex. Agr. Expt. Sta., 1951. 39,42 p. 464.06 OL8

- 72931 ORJUELA N., J. Primera Asamblea Latino-americana de Fitoparasitología. Agr. Trop. 6(11):47-51. Nov. 1950. 26 Ag8
- Conference of plant pathologists and entomologists.
- 72932 PATUELLI, V. Estimation of damages to crops caused by gaseous emanations. (In Italian.) Genio Rur. 14:62-66. Jan./Feb. 1951. 281.8 R522
- 72933 PHILIPP, W. Einiges über pflanzenschutzmittel. Obstbau 70:71. May 1, 1951. 80 Ob73
- 72934 PRASAD, N. Chemotherapy of plant diseases. Bansilal Amritlal Agr. Col. Mag. 4:4-7. Sept. 1950. 22 B22
- 72935 RAHMAN, S. M. A. Observation on the disease of tezpata [Cinnamomum tamala]. Cur. Sci. 20:135. May 1951. 475 Sci23
- 72936 RAMSFJELL, T. Sjukdommer på tulipan og narsiss [Diseases of tulips and Narcissus]. Norway. Stat. Plantevern. Flygeskr. 42,8 p. Jan. 1950. 86 N83F
- 72937 RECKENDORFER, P. Die bestimmung von fluor in rauchgeschädigten pflanzen. Pflanzenschutzberichte 6:113-124. Ref. Apr. 1951. 464.9 P48
- English summary.
- 72938 REINMUTH, E. Die zeitgebundene beeinflussung der pathogenese von pflanzenkrankheiten. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:1-8. Ref. Jan. 1951. 464.9 N11
- 72939 RIVERO, J. M. DEL. Algunos factores utiles para la conversión de unidades en fitoterapeutica. Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:291-299. Ref. 1949, pub. 1950. 464.9 M26
- 72940 ROJAS, F. A. Enfermedades y plagas de la alfalfa observadas en Manfredi. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:23-25. 1950. 60.9 P41
- Includes discussion.
- 72941 ROSELLA, E. Nouveaux ennemis—nouveaux produits—nouvelles méthodes de lutte au vignoble. Réveil Agr. 60:197-198. July 1, 1951. 14 R322
- Diseases and pests.
- 72942 ROSELLA, E. Pourquoi des fleurs et des rameaux se sont desséchés. Prog. Agr. et Vitic. 136:43-44. July 15/22, 1951. 14 P94
- Peaches.
- 72943 ROSELLA, E. Les traitements à faire d'urgence sur les arbres à noyaux. Réveil Agr. 60:113. Apr. 15, 1951. 14 R322
- 72944 RUIZ CASTRO. Jaunissement et dégénérescence des vignes dans la région d'Almería. Off. Internatl. du Vin. B. 24(244):88-91. June 1951. 390.8 B87
- 72945 RUSSELL, SIR J. Wastage of world food supplies through diseases and pests. 2. (Excerpts.) Gt. Brit. Min. Food. B. 608:9-14. July 21, 1951. 389.9 G79B
- 72946 SAMUEL, C. K. The Indian house-sparrow, *Passer domesticus indicus* Jard. & Selby, as a serious orchard and wheat pest in Baluchistan. Indian J. Ent. 11:219-220. Dec. 1949, pub. Feb. 1951. 420 In23
- 72947 SAREJANNI, J. A., DÉMÉTRIADÈS, S. D., and ZACHOS, D. G. Rapport sommaire sur les maladies des plantes observées en Grèce en 1948 et 1949. Inst. Phytopath. Benaki. Ann. 4:5-7. 1950. 464.9 At4
- 72948 SCARAMUZZA, L. C. Las enfermedades graves de la caña de azúcar. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 10:97-101. May 1951. 65.9 As5B
- 72949 SCHINDLER, H. Krankheiten der zwiebel. Gartenbauwirtschaft [Wien] 1951:26-27. Feb. 10, 1951. 80 G1936
- 72950 SCHREIER, O. Das auftreten wichtiger krankheiten und schädlinge an kulturpflanzen in Österreich im jahre 1950. Pflanzenschutzberichte 5:386-396. Dec. 1950. 464.9 P48
- 72951 SCHREINER, E. J. Breeding poplars [Populus] for disease resistance. Plants & Gard. 7:140-143. Summer 1951. 450 P694
- 72952 SCHROTH, E. Die sommerspritzungen - wichtiger faktor unseres obstbaues. Pflanzenarzt 4(5):2-3. May 1951. 464.9 P482
- 72953 SERRANO, H. Posible nueva causa de la perdida de alfalfas. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:11-15. 1950. 60.9 P41
- Includes discussion.
- 72954 SHIRAI, T. Regulating of the contraband imports. (In Japanese.) Jap. J. Plant Protect. 20:32-33. Feb. 1951. 421 J27
- 72955 SIAENS, M. F. Est-il possible de prévenir le crevassement des cerises? Fruit Belge 19:105-106. July 1951. 80 F9493
- 72956 SIRAI, T. Gist of quarantine on exporting lilies. (In Japanese.) Jap. J. Plant Protect. 23:20-22. May 1951. 421 J27
- 72957 STATION D'ESSAIS POUR LES CULTURES MARAÎCHÈRES ET FRUITIÈRES SOUS VERRE, NAALD-WIJK. Les principales maladies du raisin cultivé sous verre et les moyens de les combattre aux Pays-Bas. Off. Internatl. du Vin. B. 24(244):115-116. June 1951. 390.8 B87
- 72958 STOY, O. Should not the effect of sprays on the appearance of the fruit be investigated? (In Swedish.) Sveriges Pomol. För. Fruktodlaren 1951:80-81. 86 Sv2F
- 72959 TETEREVNIKOVA-BABAIAN, D. N., KECHEK, N. A., and STEPANIAN, T. G. Diseases of alfalfa in Armenian SSR. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:227-240. Ref. 1950. 20 Er4
- 72960 TOOLE, E. H., and others. Injury to seed beans during threshing and processing. U. S. D. A. C. 874,10 p. June 1951. 1 Ag84C
- V. K. Toole, B. J. Lay., and J. T. Crowder, joint authors.
- 72961 TRUMBLE, H. P. C. Zinc sprays for citrus mottle leaf control. Grower [Adelaide] 5(11):31-32. May 1951. 80 G912
- 72962 VERONA, O. Some notes on studies in progress of diseases of plants observed at the Institute of Vegetable Pathology of the University of Pisa (1-7). (In Italian.) Not. sulle Mal. delle Piante 12:11-19. Sept./Oct. 1950. 464.8 N84
- 72963 VIDAL MORA, J. M. La abolladura o arrugado de las hojas de los frutales, una enfermedad muy extendida en Menorca. Balearic Isl. Diputación Prov. B. de Agr. 80:1-2. May 1951. 15 B19
- 72964 VIDALI, A. Causticity of winter oils with or without copper oxide in the treatment of peaches. (In Italian.) Not. sulle Mal. delle Piante 12:51-56. Sept./Oct. 1950. 464.8 N84
- 72965 VUAILLE, J. Ce qu'est la Station Centrale de Pathologie Vegetale de Versailles. In Confédération Générale de l'Agriculture. Guide national de l'agriculture française, p. 246, 248, 250, 252, 254. Paris, 1950. 33.17 C762
- 72966 WADE, G. C. Pea diseases in Tasmania. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:40-48. Feb. 1, 1951. 23 T182T
- 72967 WADE, G. C. Weather in relation to plant diseases. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:61-63. Feb. 1, 1951. 23 T182T
- 72968 WALL, H. DE. Nochmals: vorzeitige vergreisung der obstbäume. Obstbauversring. Mitt. 6:58-59. Apr. 1951. 85 J76
- 72969 WALLACE, M. J. Tomato diseases which destroy the fruit. II. Smallholder 85(2147):11. July 13, 1951. 10 Sm1
- 72970 WENZL, H. Baumpfleagemittel und wundbehandlung. Pflanzenarzt 4(6):4-5. June 1951. 464.9 P482
- 72971 WERNHAM, C. C. Exposure to rots, smuts, blights, and molds reveals disease resistant corn hybrids. Sci. Farmer [Pa. Sta.] 1951:5-6. June 1951. 100 P381
- 72972 WESTCOTT, C. Diseases and pests of dogwood [Cornus] trees and how to deal with them. Plants & Gard. 7:136-137. Summer 1951. 450 P694
- 72973 WINKLER, A. J. Rapports nationaux; États-Unis d'Amérique. Off. Internatl. du Vin. B. 24(243):134-140. May 1951. 390.8 B87
- Grape disease control.
- 72974 YAGI, J. Gist of quarantine on imported banana. (In Japanese.) Jap. J. Plant Protect. 23:16-19. May 1951. 421 J27

Diseases Caused by Fungi

- 72975 ABRAHÃO, J. Root rot [Rosellinia] of coffee. (In Portuguese.) Biológico 17:87-89. May 1951. 442.8 B529
- 72976 AMARAL, J. F. DO. An eggplant disease caused by *Phomopsis*. (In Portuguese.) Biológico 17:86-87. May 1951. 442.8 B529
- 72977 ARKHIPOV, V. D. On the treatment of acorns [with granosan]. (In Russian.) Lesn. Khoz. 4:80. Jan. 1951. 99.8 L5622
- 72978 ARMSTRONG, J. K., and ARMSTRONG, G. M. Physiological races of the Crotalaria wilt *Fusarium*. Phytopathology 41:714-721. Ref. Aug. 1951. 464.8 P56
- 72979 ARNY, D. C. Inheritance of resistance to spot blotch [*Helminthosporium sativum*] in barley seedlings. Phytopathology 41:691-698. Aug. 1951. 464.8 P56
- 72980 ARX, J. A. VON. The *Phomopsis*-disease of carrots grown for seed. (In Dutch.) Tijdschr. over Plantenziekten 57:44-51. 1951. 464.8 T44
- English summary.

- 72881 ARZE L., O. Enfermedades más comunes de la papa—su control. Campo [La Paz] 5(47):15-17. Mar. 1951. 9.1 C15
- 72882 ATKINS, J. G., JR. Observations on cucumber anthracnose in Louisiana. Plant Dis. Rptr. 35:336. July 15, 1951. 1.9 P69P
- 72883 BABIAN, A. A. Peach mildew [Sphaerotheca] in Armenia. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:711-725. Ref. 1950. 20 Er4
- 72884 BALDACCI, E., and FORLANI, R. Investigations on Claviceps purpurea in Italy. (In Italian.) Not. sulle Mal. delle Piante 13:31-42. Ref. Nov./Dec. 1950. 464.8 N84
- 72885 BÄRLUND, U. Laboratory tests concerning mutual competition of wood-destroying fungi. (In Swedish.) Karstenia 1:60-72. Ref. 1950. 451 K14
- English summary.
- 72886 BAZAN DE SEGURA, C. Carica papaya, another possible host of Phytophthora cinnamomi. Plant Dis. Rptr. 35:335. July 15, 1951. 1.9 P69P
- 72887 BAZAN DE SEGURA, C. El "hielo" de la papa: posibilidad de pronosticar la iniciación y progreso del "hielo" de la papa (Phytophthora infestans). Vida Agr. [Lima] 28:453,455,457,459-460. June 1951. 9.8 V66
- 72888 BENLLOCH, M. Un metodo de laboratorio para el ensayo de anticriptogamicos contra el "mildiu" [Phytophthora infestans] de la patata. Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:15-18. 1949, pub. 1950. 464.9 M26
- 72889 BENLLOCH, M. El mildiu de la vid. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 17,8 p. Sept. 1950. 15 H68
- 72890 BERNON, G. Progrès de la lutte contre le mildiou de la vigne en France. Off. Internatl. du Vin. B. 24(244):91-95. June 1951. 390.8 B87
- 72891 BERVILLE, P. Le Monillia & l'abricotier. Réveil Agr. 60:161-162. June 1, 1951. 14 R322
- 72892 BINGEFORS, S. The correlation between the climatic conditions and the extent of the clover stem rot [Sclerotinia trifoliorum] attacks at Ultuna during the years 1930-1950. (In Swedish.) Sveriges Utsädesför. Tidskr. 61:100-107. 1951. 61.9 Sv23
- English summary.
- 72893 BLAIR, I. D. Wheat seed testing with reference to covered smut disease, pre-emergence loss, and fungicidal dust coverage. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 32(4):1-21. Ref. Dec. 1950. 514 N48A
- 72894 BLISS, D. E. The destruction of Armillaria mellea in citrus soils. Phytopathology 41:665-683. Ref. Aug. 1951. 464.8 P56
- 72895 BOASSO, C. S., and LEVINE, M. N. Leaf rust of wheat, Puccinia rubigovera tritici, in Uruguay. Phytopathology 41:736-741. Aug. 1951. 464.8 P56
- 72896 BRENTZEL, W. E. New seed treatments for grass and legume seeds. N. Dak. Agr. Expt. Sta. Bimon. B. 13:143-145. Mar./Apr. 1951. 100 N813B
- 72897 BRETZ, T. W. A preliminary report on the perithecial stage of Chalara quercina Henry. Plant Dis. Rptr. 35:298-299. July 15, 1951. 1.9 P69P
- 72898 BRUNNER, H. Der obstabsatz wird durch die schorfbekämpfung verbessert. Grüne 79:450-454. Apr. 20, 1951. 17 Sch9
- 72899 CAMPACCI, C. A. "Green smut" of rice. (In Portuguese.) Biológico 17:72-74. Apr. 1951. 442.8 B529
- 72900 CAMPBELL, W. A. The occurrence of Phytophthora cinnamomi in the soil under pine stands in the Southeast. Phytopathology 41:742-746. Ref. Aug. 1951. 464.8 P56
- 72901 CIFERRI, R., and BERTOSSI, F. Effectiveness of ethylene dibromide against bunt of wheat. (In Italian.) Not. sulle Mal. delle Piante 12:65-67. Sept./Oct. 1950. 464.8 N84
- 72902 CRUCHET, P. Presence dans le Canton de Vaud de la rouille [Puccinia cerasi] du cerisier et d'une Erysiphée [Erysiphe cichoracearum] sur un Chrysanthème. Soc. Vaud, des Sci. Nat. B. 65(278):41-47. 1951. 508 L37
- 72903 DAVIS, R. L. A study of the inheritance of resistance in alfalfa to common leaf spot [Pseudopeziza medicaginis]. Agron. J. 43:331-337. Ref. July 1951. 4 Am34P
- 72904 DÉMÉTRIADÈS, S. D. Les champignons parasites observés sur Hedera helix L. en Grèce. Inst. Phytopath. Benaki. Ann. 4:14-16. 1950. 464.9 At4
- 72905 DÉMÉTRIADÈS, S. D. Notes phytopathologiques. I. Inst. Phytopath. Benaki. Ann. 4:47-53. Ref. 1950. 464.9 At4
- Some fungus diseases of economic plants.
- 72906 DÉMÉTRIADÈS, S. D. Un Heterosporium sur le blé en Grèce. Inst. Phytopath. Benaki. Ann. 4:20-26. Ref. 1950. 464.9 At4
- 72907 DÉMÉTRIADÈS, S. D. Un parasite nouveau [Microdiplodia gardeniae] du Gardenia. Inst. Phytopath. Benaki. Ann. 4:11-13. 1950. 464.9 At4
- 72908 DÉMÉTRIADÈS, S. D. Sur une substance toxique pour les plantes, sécrétée par Sclerotinia sclerotium (Lib.) Massee. Inst. Phytopath. Benaki. Ann. 4:27-46. Ref. 1950. 464.9 At4
- 72909 DREES, H. Krautfäule-bekämpfung an kartoffeln 1950. Gesunde Pflanzen 3:9-10. Jan. 1951. 464.8 G33
- Phytophthora infestans.
- 72910 ENGLISH, W. H. Phomopsis canker: a progress report. Calif. Fig Inst. Proc. Annu. Res. Conf. 5:45-48. Mar. 16, 1951. 93.44 C122P
- 72911 FABIANI, F. Colloidal bentonite sulfur. (In Italian.) Seme 2:153. July 1950. 16 Se5
- As a fungicide for grapes.
- 72912 FALL, J. Studies on fungus parasites of strawberry leaves in Ontario. Canad. J. Bot. 29:299-315. Ref. Aug. 1951. 470 C16C
- 72913 FICH, C. Where does scab come from? (In Danish.) Gart.-Tid. 67:335. Aug. 1, 1951. 80 G192
- On apples.
- 72914 FISCHETTI, D. L. Métodos modernos para desinfectar semillas. Chacra 21(249):38-39. Aug. 1951. 9 C34
- 72915 FORSBERG, J. L. 1950 data summary on co-operative glad corm treatment experiment. No. Amer. Gladiolus Council. B. 26:97,99,101-103,105-106. June 1951. 96.43 N81
- 72916 FOSCHI, S. Downy mildew of grapes. (In Italian.) Agr. Romagn. 9:2. May 5, 1951. 16 Ag828
- 72917 FUCHSLOCHER THATER, R. Informe sobre el tizón de la papa. Agr. Austral 19:173-175. May 1951. 9.3 Ag842
- 72918 FUJIKAWA, T. Study on cucumber blight [Phytophthora parasitica]. 6. (In Japanese.) Jap. J. Plant Protect. 20:54-60. Ref. Feb. 1951. 421 J27
- 72919 GABOTTO, L. Flag smut of grain (Urocystis tritici Koern-Tubercinia tr. Liro). (In Italian.) Colt. e Gior. Vinic. Ital. 97:146-147. May 31, 1951. 16 C72
- 72920 GABOTTO, L. Protection of grapes from downy and powdery mildew. (In Italian.) Colt. e Gior. Vinic. Ital. 97:115-116. Apr. 30, 1951. 16 C72
- 72921 GAUDINEAU. Les maladies cryptogamiques du maïs et la sélection. Sol 63:89-90. 1951. 14 So4
- 72922 GEISLER, E. Beitrag zur problematik der kohlherniebekämpfung. Nachrbl. des Deut. Pflanzenschutzdienstes 2:122-124. Aug. 1950. 442.9 B832
- 72923 GIOVE, D. Distribution of chestnut blight [Endothia parasitica] in Lazio. (In Italian.) Foreste 3:84-85. June 1951. 99.8 F7694
- 72924 GISIGER, L. Der kartoffelschorf, seine ursachen und die bekämpfung. Grüne 79:441-449. Apr. 20, 1951. 17 Sch9
- 72925 GRASSO, V. Occurrence of a new parasite [Coryneum cardinale] of Cupressus macrocarpa in Italy. (In Italian.) Italia Forest. e Mont. 6:62-65. Mar./Apr. 1951. 99.8 It12
- English summary.
- 72926 GRAVES, A. H. Blight resistance in the chestnut: breeding work to replace the American chestnut. Plants & Gard. 7:138-139. Summer 1951. 450 P694
- 72927 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Common scab of the potato. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 5,4 p. Feb. 1951. 10 G79La
- 72928 HAMBLIN, S. F. Black-spot of roses must be avoided! Natl. Hort. Mag. 30:130-132. July 1951. 80 N216
- 72929 HANSBROUGH, J. R. White pine blister rust. Plants & Gard. 7:149-152. Summer 1951. 450 P694
- 72930 HASSEBRAUK, K. Die verdienste G. Gassners um die getreiderostforschung. Nachrbl. des Deut. Pflanzenschutzdienstes 3:2-7. Ref. Jan. 1951. 442.9 B832
- 72931 HASSELBERG, L. Spraying against late blight of potatoes. (In Swedish.) Lantmannen 35:603. Aug. 4, 1951. 11 L234
- 72932 HEIM, R. Un mycologue dans la hetraie australe. Rev. Internatl. de Bot. Appl. d'Agr. Trop. 31:54-69. Jan./Feb. 1951. 26 R323
- Diseases of Nothofagus.

- 72933 HENRIKSON, K. Grey monilia [*Monilia laxa*]. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 1951: 84-85. 86 Sv2F
On fruit.
- 72934 HEPTING, G. H. The littleleaf disease of pine. *Plants & Gard.* 7:153-154. Summer 1951. 450 P694
- 72935 HEPTING, G. H. A new stem rust [*Peridermium*] on Virginia pine. *Plant Dis. Rptr.* 35:335. July 15, 1951. 1.9 P69P
- 72936 HOFSTEN, C. G. VON. Increased efforts in the fight against late blight of potatoes. (In Swedish.) *Lantmannen* 35:547-548. July 14, 1951. 11 L234
- 72937 HOOF, H. A. VAN. Cause and control of a leaf disease [*Colletotrichum derridis*] in *Derris elliptica* Benth. Indonesia. Gen. Agr. Res. Sta. Contrib. 115, 11 p. Dec. 1950. 109.5 Ea73
- 72938 HOOF, H. A. VAN. Disease of groundnut caused by *Cercospora personata* (B. & C.) E. & E. and *Cercospora arachidicola* Hori. Indonesia. Gen. Agr. Res. Sta. Contrib. 114, 17 p. Dec. 1950. 109.5 Ea73
- 72939 HOOF, H. A. VAN. Notes on the weathering of copper sprays in connection with the control of *Phytophthora infestans* de Bary. Indonesia. Gen. Agr. Res. Sta. Contrib. 113, 12 p. Dec. 1950. 109.5 Ea73
- 72940 HOPF, P. P., LHOSTE, J., and RAVAUULT, L. A new mercurial with apparent systemic properties as a seed dressing. *J. Sci. Food & Agr.* 2:295-302. Ref. July 1951. 382 So12
Phenyl mercuric dinaphthylmethanedisulphonate as fungicide.
- 72941 HOTSON, H. H., and CUTTER, V. M., JR. The isolation and culture of *Gymnosporangium juniperi-virgininae* Schw. upon artificial media. *Natl. Acad. Sci. Proc.* 37:400-403. July 1951. 500 N21P
- 72942 HOYMAN, W. G. 1950 potato fungicide experiments. N. Dak. Agr. Expt. Sta. Bimon. B. 13:154-156. Mar./Apr. 1951. 100 N813B
- 72943 HUGHES, C. G. Testing sugar-cane varieties for resistance to downy mildew disease. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:163-166. Apr. 1, 1951. 65.9 Q3C
- 72944 HUSSAIN, S. M. Some observations on *Fomes conchatus* (Pers. ex. Fr.) Gill. Pakistan J. Forestry 1: 148-150. Ref. Apr. 1951. 99.8 P17
- 72945 HYAMS, E. Bordeaux mixture and the sulphur shortage. *Gard. Chron.* 130:14. July 14, 1951. 80 G162
- 72946 HYRE, R. The potato wart eradication program in Pennsylvania. *Plant Dis. Rptr.* 35:326. July 15, 1951. 1.9 P69P
- 72947 JACQUIOT, C. La merule ou champignon des maisons, *Gyrophana lacrymans* (Wulf. Pat.). *Inst. Natl. du Bois. Etude Tech.* 6, 7 p. Feb. 1951. 99.9 P21E
- 72948 JOHNSON, H. W. Soybean seed treatment for the Delta. Miss. Agr. Expt. Sta. Serv. Sheet 419, 2 p. May 1951. 100 M69
- 72949 JOHNSTON, C. O., and LEVINE, M. N. Physiologic races of the leaf rust of wheat (*Puccinia rubigo-vera* tritici) in the United States in 1950. *Plant Dis. Rptr.* 35: 301-302. July 15, 1951. 1.9 P69P
- 72950 KAMMERMANN, N. Undersökningar rörande potatisbladmögl, *Phytophthora infestans* (Mont.) de By. I. Metodologisk undersökning angående prövningen av potatisblastens resistens mot bladmögl. Undersökungen über die kartoffelkrautfäule. 1. Methoden zur bestimmung der resistenz des kartoffelaubes gegenüber *Phytophthora infestans* (Mont.) de By. Sweden. Stat. Växtskyddsanst. Meddel. 57, 41 p. Ref. 1950. 464.9 Sw3M
German summary.
- 72951 KAMMERMANN, N. Undersökningar rörande potatisbladmögl *Phytophthora infestans* (Mont.) de By. II. Sambandet mellan potatisbladsaftens peroxidaktivitet och *Phytophthoraresistensen* [Untersuchungen über die kartoffelkrautfäule. II. Die relationen zwischen der peroxidase-aktivität und der *Phytophthora*-resistenz des kartoffelaubes]. Sweden. Stat. Växtskyddsanst. Meddel. 58, 32 p. Ref. 1951. 464.9 Sw3M
German summary.
- 72952 KIELY, T. B. Control and epiphytology of black spot [*Phoma citricarpa*] of citrus on the central coast of New South Wales. N. S. Wales. Dept. Agr. Sci. B. 71, 88 p. May 1950. 23 N475
- 72953 KIMBALL, M. H. Aster wilt [*Fusarium oxysporum callistephi*]. *Bloomin' News* 3(6):5-6. June 1951. 80 B625
- 72954 KOLE, A. P. The control of loose smut in wheat and barley. (In Dutch.) *Tijdschr. over Plantenziekten* 57:65-72. 1951. 464.8 T44
English summary.
- 72955 KREITLOW, K. W., and SPRAGUE, V. G. Effect of temperature on growth and pathogenicity of *Sclerotinia trifoliorum*. *Phytopathology* 41:752-757. Aug. 1951. 464.8 P56
On forage plants.
- 72956 KRSTIC, M. Le champignon *Endothia parasitica* en Slovenie. (In Croatian.) *Gozdarski Vest.* 9:54-60. 1951. 99.8 G74
French summary.
- 72957 KUJALA, V. Über die kleinpilze der koniferen in Finnland; Ascomycetes, Fungi imperfecti, Uredinales. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 38(4), 121 p. Ref. 1950. 99.9 F493
- 72958 KUNTZ, J. E. Recent developments in oak wilt research. *Trees* 11(5):8-9, 18. July/Aug. 1951. 99.8 W52
- 72959 KUNTZ, J. E. and RIKER, A. J. The threat of oak wilt. *Plants & Gard.* 7:123-128. Summer 1951. 450 P694
Caused by the fungus *Chalara quercina*.
- 72960 LACHANCE, R. O. Antagonisme des micro-organismes du sol envers le *Colletotrichum linicola*, agent de l'antracnose du lin. *Canad. J. Bot.* 29:438-449. Ref. Aug. 1951. 470 C16C
- 72961 LAFON, J. Bouillie au nitrate de cuivre. *Vrai Cognac* 39:466. July 1951. 95.8 V95
- 72962 LAMBERTS, H. Resistance to *Fusarium oxysporum* in yellow lupins. (In Dutch.) *Landbk. Tijdschr.* 63:458-459. July 1951. 105.2 Or3
English summary.
- 72963 LAVEZZINI, A. Save copper. (In Italian.) *Avvenire Agr.* 59:145-146. June 1951. 16 Av9
In spraying.
- 72964 LEACH, J. G., and ELLIOTT, E. S. Black patch of red clover in West Virginia. *Plant Dis. Rptr.* 35:335-336. July 15, 1951. 1.9 P69P
- 72965 LEESON, W. M. Oak wilt. W. Va. Acad. Sci. Proc. 22:219-222. 1950. 500 W52
- 72966 LEHMANN, E. Zur frage der resistenzzuchung der Weymouthskiefer gegen blasenrost [*Cronartium ribicola*]. *Allg. Forst- u. Jagdztg.* 122:206-213. Ref. July 1, 1951. 99.8 AL3
- 72967 LIMA, A. D. F. Attack by powdery mildew. (In Portuguese.) *Seleç. Agr.* 6(60):28. Apr. 1951. 9.2 Se4
Zizyphus jujuba.
- 72968 LUCHETTI, G., and MACCANTI, M. Observations and remarks on the biology of *Venturia inaequalis* (Cooke) Aderh. and control measures for *Fusicladium* on apple in Ferrara. (In Italian.) *Not. sulle Mal. delle Piante* 13:14-31. Ref. Nov./Dec. 1950. 464.8 N84
- 72969 MCALISTER, D. F., and CHAMBERLAIN, D. W. Water flow through soybean stems infected with brown stem rot [*Cephalosporium gregatum*]. *Plant Dis. Rptr.* 35:318-319. July 15, 1951. 1.9 P69P
- 72970 MACCANTI, M. Control tests for gummosis of peach. (In Italian.) *Agr. Ferrarese* 54:214-219. Oct. 31, 1950. 16 Ag87
Coryneum.
- 72971 MACCANTI, M. Root rot in flooded fruit trees. (In Italian.) *Agr. Ferrarese* 54:267-268. Dec. 31, 1950. 16 Ag87
- 72972 MALLAMAIRE, A. Note sur une maladie cryptogamique [*Helminthosporium oryzae*] des riz cultivés dans le Macina (Soudan): la brûlure des feuilles ou helminthosporiose. *Conf. Internat. des Africanistes de l'Ouest. Compt. Rend.* 1(1):527-528. 1945, pub. 1950. 515 C762C
- 72973 MALLAMAIRE, A. La rouille [*Graphiola phoenicis*] du palmier dattier en Afrique Occidentale Française. *Conf. Internat. des Africanistes de l'Ouest. Compt. Rend.* 1(1):516-517. 1945, pub. 1950. 515 C762C
- 72974 MARCELLI, E. Recent observations on specialization in powdery mildew [*Erysiphe polyphaga*] of tobacco. (In Italian.) *Not. sulle Mal. delle Piante* 12:49-51. Sept./Oct. 1950. 464.8 N84
- 72975 MARCHIONATTO, J. B. "Balansia hemicrypta Diehl," hongo parásito de las Gramíneas en la Argentina. *Rev. Argentina de Agron.* 18:108-109. June 1951. 9 R327
- 72976 MARQUARDT, H. Genetische Grundlagen der Adelopus-resistenz von *Pseudotsuga douglasii* und mögliche verfahren zur gewinnung resistenteren pflanzenmaterials. *Allg. Forst- u. Jagdztg.* 122:201-205. July 1, 1951. 99.8 AL3
- 72977 MARSHALL, R. P. Dutch elm disease. *Plants & Gard.* 7:131-135. Summer 1951. 450 P694
Caused by the fungus *Graphium ulmi*.

- 72978 MASSENOT, M. Observations et expérimentations récentes sur la rouille noire du blé. France. Min. de l'Agr. B. Tech. d'Inform. 58:261-263. Apr. 1951. 14 F844B
Puccinia graminis.
- 72979 MELLO, A. T. DE. Details on the preparation of Bordeaux mixture. (In Portuguese.) Seleg. Agr. 6(62): 59-61. June 1951. 9.2 Se4
- 72980 MERKLE, R. Über die Douglasiens-vorkommen und die Ausbreitung der Adelopus-nadelschütte in Württemberg-Hohenzollern. Allg. Forst- u. Jagdztg. 122:161-192. Ref. July 1, 1951. 99.8 AL3
- 72981 MERNY, G., GUYOT, H., and DAUDIN, J. La maladie de sigatoka (*Cercospora musae* Zimm.) aux Antilles Françaises. Fruits 6:229-234. June 1951. 80 F9492
- 72982 MESTRE ARTIGAS, A. Se puede sulfatar la viña en flor? Balearic Isl. Diputación Prov. B. de Agr. 79:1-2. Apr. 1951. 15 B19
Fungicides.
- 72983 MEZZINI, L. Onion bulb rot caused by *Fusarium cepae* Hanzawa. (In Italian.) Not. sulle Mal. delle Piante 13:1-2. Nov./Dec. 1950. 464.8 N84
English summary.
- 72984 MIEGE, E. Le mildiou de la vigne; traitements et produits nouveaux. Inform. Marocaine 54:1-2. May 26, 1951. 281.8 In3
- 72985 MILATOVIC, I. Some diseases of conifers in nurseries. (In Croatian.) Sumarski List 75:164-167. Mar./Apr. 1951. 99.8 Su6
English summary.
- 72986 MILISSAVLYEVITCH, D. Recherches sur la durée de la période d'incubation du *Plasmopara viticola* (B et C) Berlese et de Toni. Off. Internat. du Vin. B. 24(244):120-122. June 1951. 390.8 B87
Grape disease.
- 72987 MILLER, M. E. 15-B [stem rust] resistant wheat coming. Wash. Farmer 76:451, 469. June 21, 1951. 6 R151
- 72988 MOLFINO, J. F. Plantas medicinales; "cornezuelo de centeno." Chacra 21(248):60-61. July 1951. 9 C34
- 72989 MOLLER A., E. El aspecto práctico del tizón. Agr. Austral 19:109-113. Mar. 1951. 9.3 Ag842
Potatoes.
- 72990 MORRIS, C. L. The Dutch elm disease. Pa. Forests & Waters 3:52-55. May/June 1951. 99.8 P38
- 72991 MULLER, H. Gassners arbeiten für die Entwicklung der Saatgutbeizung. Nachrbl. des Deut. Pflanzenschutzdienstes 3:7-11. Ref. Jan. 1951. 442.9 B832
- 72992 MÜLLER-STOLL, W. R. Untersuchungen über das Verhalten von Botrytis cinerea gegenüber Seifen und Seifenersatzstoffen. Arch. f. Mikrobiol. 15:454-471. 1951. 442.8 Ar26
- 72993 MYERS, W. I. "At the front"—Dutch elm disease in Detroit. Mich. Forestry and Park Assoc. Annu. Mtg. 25:4-6. Feb. 1951. 99.9 M586
- 72994 NATTRASS, R. M. A Botrytis disease of *Urena lobata* in Kenya. East African Agr. J. 16:181-184. Apr. 1951. 24 Ea74
- 72995 NATTRASS, R. M. The canker or black leg disease of cabbages and cauliflowers. East African Agr. J. 16:178-180. Apr. 1951. 24 Ea74
Caused by the fungus *Phoma lingam*.
- 72996 NATTRASS, R. M., and RYAN, M. New hosts of *Phytophthora infestans* in Kenya. Nature [London] 168: 85-86. July 14, 1951. 472 N21
- 72997 NEERGAARD, P. The choice of methods for the testing of fungicides. (In Danish.) Nord. Jordbrforsk. 1949/50:212-232. Ref. 1951. 11 N752
English summary.
- 72998 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Ontsmetten van zaaizaad bij handelsgewassen [Treatment of seeds of plants grown commercially]. Netherlands. Plantenziektenk. Dienst. Ber. 937,2 p. Feb. 1951. 464.9 N38
- 72999 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Ontsmetting van zaaizaad bij mais [Disinfection of corn seed]. Netherlands. Plantenziektenk. Dienst. Ber. 935,2 p. Feb. 1951. 464.9 N38
- 73000 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Ontsmetting van zaaizaad bij peulvruchten [Disinfection of legume seeds]. Netherlands. Plantenziektenk. Dienst. Ber. 936,1 p. Feb. 1951. 464.9 N38
- 73001 NEUNER, J. Die peronospora. Landwirtschaft 1951:163-164. May 1951. 19 L235
On grapes.
- 73002 NEW SOUTH WALES. DEPT. OF AGRICULTURE. Pod and leaf spots of the pea. N. S. Wales. Dept. Agr. Plant Dis. L. 42,2 p. 1951. 464.9 N47
Mycosphaerella and *Ascochyta*.
- 73003 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGICAL BR. Anthracnose or ripe rot of melons and related plants. N. S. Wales. Dept. Agr. Plant Dis. L. 44,3 p. 1950. 464.9 N47
- 73004 PASINI, B. A new disease of the sweet potato. (In Italian.) Agr. Ferrarese 54:182. Aug. 31, 1950. 16 Ag87
Caused by *Ustilago*.
- 73005 PICHLER, F. Ein für Österreich neuer blattfleckenpilz [*Marssonina graminicola*] auf gerste. Pflanzenarzt 4(6):3-4. June 1951. 464.9 P482
- 73006 POPE, W. K. Wheat improvement adding smut, rust resistance. Idaho. Agr. Col. Idaho Agr. Sci. 36(3):6. Third Q. 1951. 276 Id13N
- 73007 QUANJER, H. M. A historical note on apple scab. (In Dutch.) Tijdschr. over Plantenziekten 57:65. 1951. 464.8 T44
English summary.
In an early painting.
- 73008 RADER, W. E. Therapeutic approaches for the control of canker diseases. Calif. Fig. Inst. Proc. Annu. Res. Conf. 5:51-53. Mar. 16, 1951. 93.44 C122P
Caused by the fungus, *Phomopsis fici*, and the bacteria, *Bacterium fici*.
- 73009 REFATTI, E. An infection of powdery mildew (*Podosphaera leucotricha*) of *Pomaceae* on pears. (In Italian.) Not. sulle Mal. delle Piante 12:45-49. Ref. Sept./Oct. 1950. 464.8 N84
- 73010 REFATTI, E., and BORZINI, G. Laboratory and field tests of the efficiency of a fungicide based on glyoxalidine (Craig 341C) and a copper-zinc-chromate complex (Craig 658). (In Italian.) Not. sulle Mal. delle Piante 13:42-55. Ref. Nov./Dec. 1950. 464.8 N84
English summary.
- 73011 RICHARDSON, L. T., and MACLACHLAN, D. S. The control of downy mildew of hops in eastern Ontario. Sci. Agr. 31:345-348. Aug. 1951. 7 Sci2
- 73012 RIVALS, P. Variations de sensibilité au mildiou de quelques hybrides de Seyve-Villard en fonction du porte-greffe. Terre d'Occ 33:200-202. June 1951. 14 Ar5
Also in Réveil Agr. 60:212. July 15, 1951. 14 R322
- 73013 RUI, D., ROSTIROLLA, G., and NOGARIN, S. New hosts and new centers of infection by *Endothia parasitica* in the Venetian Provinces. (In Italian.) Humus 7(4):21-24. Apr. 1951. 16 H88
On *Castanea*.
- 73014 RUI, D., and ROSTIROLLA, G. Withering and dying of peaches from phloem necrosis in Venezia. (In Italian.) Not. sulle Mal. delle Piante 13:2-5. Nov./Dec. 1950. 464.8 N84
- 73015 RUSAKOVA, A. A. Measures for control of brown spot [*Cladosporium fulvum*] of tomatoes in protected ground. (In Russian.) Sad i Ogorod 1951:64-66. Jan. 1951. 80 Sa13
Spraying with preparations from salicylic acid anilide.
- 73016 SACCAS, A. M., and DROUILLON, R. Étude macroscopique et microscopique de quelques champignons parasites des Aleurites en Afrique Équatoriale Française. Agron. Trop. 6:239-264. May/June 1951. 26 Ag86
- 73017 SACKSTON, W. E., and CARSON, R. B. Effect of pasmo disease [*Septoria linicola*] of flax on the yield and quality of linseed oil. Canad. J. Bot. 29:339-351. Ref. Aug. 1951. 470 C16C
- 73018 SALMON, E. S. "Bramling cross"; a new hop resistant to *Verticillium*-wilt. Kent, Wye Col., 1951. 4 p. 70 Sa32B
- 73019 SAVOIA, H. J., and BRUNI, O. "Enfermedad radical" della alfalfa en la zona de Pergamino. Cent. Region. Pampeano de Invest. Agropecuarias Mem. de la Reunión de Plantas Forrajeras 3:17-21. 1950. 60.9 P41
- 73020 SCHENK, P. J. Fungicides. (In Dutch.) Vakbl. v. de Bloemisterij 6:210. July 6, 1951. 80 V22
- 73021 SCHMIDT, T. Löwenmaulrost. Pflanzenarzt 4(5):3. May 1951. 464.9 P482
Rust on *Antirrhinum*.
- 73022 SCHMITT, C. G. Comparison of a series of derivatives of 4,5-dimethyl-2-mercaptothiazole for fungicidal efficacy. Boyce Thompson Inst. Contrib. 16: 261-265. Ref. Apr./June 1951. 451 B69
- 73023 SCHWEIZER, J., and REITSMA, J. The blisterblight situation in the native tea gardens in the Sukabumi area. (In Dutch.) Bergcultures 20:231, 233. July 1, 1951. 22.5 B45

- 73024 SERRANO, H. "Mancha de la hoja" de la cebadilla [*Bromus catharticus*]. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:107-109. 1950. 60.9 P41
Includes discussion.
- 73025 SERVAZZI, O. Preliminary observations on "internal blackening" of chestnuts. (In Italian.) Not. sulle Mal. delle Piante 13:66-70. Nov./Dec.1950. 464.8 N84
Caused by *Rhacodiella castaneae*.
- 73026 SHAFRANSKAIA, V. N. New diseases of acorns and measures for their control. (In Russian.) Lesi Step' 2(10):52-56. Oct.1950. 99.8 L565
Schizophyllum alneum and *Stereum hirsutum*.
- 73027 SIMMONS, S. A. *Alternaria* leaf spot of *Gladolus*. Plant Dis. Rptr. 35:333-334. July 15,1951. 1.9 P69P
- 73028 SINHA, S. Investigation of certain chemical factors affecting the growth of fungi in mangoes. Indian Bot. Soc. J. 29:197-209. Ref. Nov.1950. 450 J821
Aspergillus nidulans, *Acrothecium penniseti*, and *Colletotrichum capsici*.
- 73029 SKIVER, C. E. Germ warfare on seeds pays off; seed treatment is one of the best and cheapest kinds of crop insurance. Krause Flying Plowman 5(4):1-2. May 1951. 58.8 F67
- 73030 SMITH, H. C. Red-core (*Phytophthora fragariae*) of strawberries. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 33(1):49-55. June 1951. 514 N48A
- 73031 STAPLES, M. W. The Dutch elm disease. Mega 11(3):26-27,30. June 1951. 90.32 M52B
- 73032 STAUTEMAS, E. The gall disease of *Azalea* [*Exobasidium azaleae* March]. (In Flemish.) Tuinbouw-berichten 15:89-90. June 15,1951. 80 T817
- 73033 STEINBERG, R. A. Amino acid toxicities to tobacco varieties differing in resistance to black root-rot [*Thielaviopsis basicola*]. Torrey Bot. Club. B. 78:227-232. May/June 1951. 451 T63B
- 73034 STODDARD, E. M. Chemotherapy scores again. Frontiers Plant Sci. 3(2):7. May 1951. 100 F92
In the control of red stele of strawberry, caused by the fungus *Phytophthora fragariae*.
- 73035 STRONG, F. C. The Dutch elm disease in Michigan. Mich. Forestry and Park Assoc. Annu. Mtg. 25:1-3. Feb.1951. 99.9 M586
- 73036 SWANK, G., JR. *Alternaria* leaf spot and dieback of snap bean: a new disease in central Florida. Plant Dis. Rptr. 35:330-332. July 15,1951. 1.9 P69P
- 73037 SWANK, G., JR. Tomato rot due to a strain of *Glomerella cingulata*. Plant Dis. Rptr. 35:329. July 15, 1951. 1.9 P69P
- 73038 SWEDEN. STATENS VÄXTSKYDDSANSTALT. Vanlig skurv på potatis [Common scab on potatoes]. Sweden. Stat. Växtskyddsanst. Flygbl. 95,4 p. 1951. 464.9 Sw3
Supersedes No. 40.
Due to *Actinomyces*.
- 73039 TOOLE, E. R. A Southeastern problem, *Mimosa* [*Albizia julibrissin*] wilt. Plants & Gard. 7:144-145. Summer 1951. 450 P694
Caused by a *Fusarium* fungus.
- 73040 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Dieback of elm, by C. May. Beltsville, 1951. 2 p. 1.965 F3D56
- 73041 URHAN, O. Llagu y marchitamiento del cafeto causado por *Myrothecium roridum* Tode. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 2(16):33-45. Ref. Apr.1951. 68.29 C332
English summary.
- 73042 VENKATAKRISHNAIAH, N. S. The perithecial stage of *Erysiphe polygoni* DC. on pea (*Pisum sativum* Linn.). Cur. Sci. 20:137-138. May 1951. 475 Sci23
- 73043 VENKATARMANI, K. S., and others. A preliminary report on the trial of certain fungicides for the control of blister blight. Planters' Chron. 46:270-272. May 15,1951. 22 P693
Tea diseases.
- 73044 VLIET, M. V. D. Control of the asparagus rust. (In Dutch.) Groenten en Fruit 6:890. June 14,1951. 80 G89
- 73045 VOLLEMA, J. S. The agricultural side of blister blight control. (In Dutch.) Bergcultures 20:235-236. July 1,1951. 29.5 B45
- 73046 WALLEN, V. R., and SKOLKO, A. J. Activity of antibiotics against *Ascochyta pisi*. Canad. J. Bot. 29: 316-323. Ref. Aug.1951. 470 C16C
- 73047 WATTS, T. J. Silver leaf disease. New Zeal. J. Agr. 82:341-342. Apr.16,1951. 23 N48J
Silver leaf disease of fruit trees.
- 73048 WENZL, H. Untersuchungen über die Colletotrichum-welkekrankheit der kartoffel. III. Pflanzenschutzberichte 6:97-112. Ref. Apr.1951. 464.9 P48
English summary.
- 73049 WENZL, H. Versuche zur winterbekämpfung der Moniliakrankheit. Pflanzenschutzberichte 6:178-189. 1951. 464.9 P48
English summary.
Monilia laxa on fruit.
- 73050 WERNER, H. O., and SANDSTED, R. F. Performance of scab resistant potato varieties in western Nebraska. Amer. Potato J. 28:645-658. July 1951. 75.8 P842
- 73051 WILHELM, S. Effect of various soil amendments on the inoculum potential of the *Verticillium* wilt fungus. Phytopathology 41:684-690. Ref. Aug.1951. 464.8 P56
- 73052 YARWOOD, C. E. Associations of rust and virus infections. Science 114:127-128. Aug.3,1951. 470 Sci2
- 73053 YOUNG, H. C., JR., and WADSWORTH, D. F. Experimental forecast of wheat leaf rust in Oklahoma for 1951. Plant Dis. Rptr. 35:300. July 15,1951. 1.9 P69P
- 73054 ZACHOS, D. G. Notes phytopathologiques I. Un cas d'attaque de mildiou de la pomme de terre en rapport avec les facteurs météorologiques de l'année 1949. Inst. Phytopath. Benaki. Ann. 4:17-19. 1950. 464.9 At4

Diseases Caused by Bacteria

- 73055 AZARIAN, E. KH., and KARAGULIAN, S. A. Study of rhizosphere bacteria of beans widely spread in the Armenian SSR. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:225-226. 1950. 20 Er4
- 73056 BAKKER, M. Bacterial spot of cauliflower and other Brassica species, caused by *Pseudomonas maculicola* (McCulloch) Stevens. (In Dutch.) Tijdschr. over Plantenziekten 57:75-81. Ref. May/June 1951. 464.8 T44
English summary.
- 73057 BRICHET, J. Le "citrus blast" et le "black pit". Fruits et Primeurs de l'Afrique du Nord 21:195-196. June 1951. 80 F9482
Pseudomonas citripataloe on citrus.
- 73058 BRYAN, W. C. Bacterial rot of giant Cactus [*Cereus giganteus*]. Plants & Gard. 7:146-148. Summer 1951. 450 P694
- 73059 DYE, D. W., and HUTCHINSON, P. B. The effects of chemicals and antibiotic substances on crown-gall (*Agrobacterium tumefaciens* (Smith and Townsend) Conn.). II. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 32:39-43. June 1950, pub. Jan.1951. 514 N48A
- 73060 HOLTZMAN, O. Relationship of toxins to bacterial wilt of carnations. Colo. State Flower Growers Assoc. B. 19:3. May 1951. 81 C715
Pseudomonas caryophylli.
- 73061 HUGHES, C. G., and SKINNER, S. O. Leaf-scald disease in North Queensland. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:150-151. Apr.1, 1951. 65.9 Q3C
- 73062 IATSYNDNA, K. N. Canker [bacterial] resistant varieties of tomatoes. (In Russian.) Sad i Ogorod 1951: 57-58. Jan.1951. 80 Sa13
- 73063 PATEL, M. K., and KULKARNI, Y. S. A new bacterial leaf spot [*Pseudomonas vitis-woodrowii*] on *Vitis woodrowii* Stapf. Cur. Sci. 20:132. May 1951. 475 Sci23
- 73064 PILGRIM, A. J. Bacterial canker [*Bacterium ficif*] of figs. Calif. Fig Inst. Proc. Annu. Res. Conf. 5: 48-51. Mar.16,1951. 93.44 C122P
- 73065 SHERWIN, H. S., and LEFEBVRE, C. L. Reaction of cowpea varieties to bacterial canker [*Xanthomonas vignae*]. Plant Dis. Rptr. 35:303-317. Ref. July 15,1951. 1.9 P69P

Viruses and Virus Diseases

- 73066 ALIBERT, H. Le swollen shoot, nouvelle maladie du cacaoyer en A. C. F. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(1):511-515. 1945, pub. 1950. 515 C762C
- 73067 ANDERSON, C. W. The insect vector relationships of the filaree [*Erodium*] redleaf virus, with special reference to a latent period difference between nymphs and adults in *Macrosiphum geranicola* (Lambers). Phytopathology 41:699-708. Ref. Aug.1951. 464.8 P56

- 73068 BAKER, W. L., and MAY, C. Phloem necrosis of elm [*Ulmus*] may be prevented by control of leafhoppers. *Plants & Gard.* 7:129-130. Summer 1951. 450 P694
- 73069 BENTON, R. J., and others. Stunting and scaly butt of citrus associated with *Poncirus trifoliata* rootstock. *N. S. Wales. Dept. Agr. Sci. B.* 70,20 p. Ref. 1950. 23 N475
- F. T. Bowman, L. Fraser, and R. G. Kebby, joint authors.
- 73070 BERCKS, R. Über die X-virus-verseuchung des nachbaues von primärfinfizierten kartoffelpflanzen. *Nachrbl. des Deut. Pflanzenschutzdienstes* 2:147-149. Oct.1950. 442.9 B832
- 73071 BOUBALS, D., and HUGLIN, P. Sur la localisation et la transmission d'une mosaïque nécrotique de la vigne. *Off. Internatl. du Vin. B.* 24(244):101-104. June 1951. 390.8 B87
- Court-noué.
- 73072 BRIERLEY, P. Chrysanthemum stunt. *Natl. Chrysanthemum Soc. B.* 7:39-42. June 1951. 96.519 Ea7
- 73073 CAIN, J. C., and PARKER, K. G. A preliminary report on the response of virus-infected Montomerey cherry trees to nitrogen fertilizer. *Phytopathology* 41: 661-664. Aug.1951. 464.8 P56
- 73074 CASTELLANI, E. Some virus diseases of forage legumes observed in the Province of Florence. (In Italian.) *Not. sulle Mal. delle Piante* 12:1-8. Ref. Sept./Oct.1950. 464.8 N84
- 73075 CIFERRI, R. Red rot of sisal in Venezuela. *Phytopathology* 41:766-767. Aug.1951. 464.8 P56
- 73076 COMMONER, B., and MERCER, F. Inhibition of the biosynthesis of tobacco mosaic virus by thiouracil. *Nature [London]* 168:113-114. July 21,1951. 472 N21
- 73077 COSTA, A. S., and PENTEADO, M. P. Corn seedlings as test plants for the sugar-cane mosaic virus. *Phytopathology* 41:758-763. Aug.1951. 464.8 P56
- 73078 DAS GUPTA, N. N., DE, M. L., and RAYCHAUDHURI, S. P. Structure of sannhemp (*Crotalaria juncea* Linn.) mosaic virus with the electron microscope. *Nature [London]* 168:114. Ref. July 21,1951. 472 N21
- 73079 DOUCETTE, C. F. Growth behavior of virus-infected daffodils. (Abs.) *Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course* 3:13. 1950. 81 N818
- 73080 FLORES, A., M. A. El mosaico de la caña de azúcar. *Cent. Nac. de Agron. C. Agr.* 33,4 p. Mar.1951. 6 Sa54C
- 73081 FRANZ, J. Erfolgreiche verbreitung von viruskrankheiten zur forstschädlingbekämpfung. Bericht über neuere kanadische arbeiten. *Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz* 58:185-187. Ref. May/June 1951. 464.8 Z3
- 73082 GIBSON, K. E., LANDIS, B. J., and KLOSTERMEYER, E. C. Effect of aphid control on the spread of leafroll in potatoes. *Amer. Potato J.* 28:658-666. July 1951. 75.8 P842
- Myzus persicae* and *Macrosiphum solanifolii*.
- 73083 GRANCINI, P. Virus diseases of the garden; onion mosaic. (In Italian.) *Not. sulle Mal. delle Piante* 13:61-64. Nov./Dec.1950. 464.8 N84
- 73084 GRANT, T. J., COSTA, A. S., and MOREIRA, S. Tristeza disease of citrus in Brazil. *Citrus Leaves* 31(7):8-10,36-37. Ref. July 1951. 80 C492
- 73085 HAARER, A. E. Swollen shoot disease of cocoa; use of systemic insecticides—some of the difficulties. *Empire Prod.* 324:71. July/Aug.1951. 286.8 Em7
- 73086 HUNGERFORD, C. W. Plant breeders develop beans resistant to curly-top. *Idaho. Agr. Col. Idaho Agr. Sci.* 36(3):5. Third Q.1951. 276 Id13N
- 73087 KAUSCHE, G. A., and LWOWSKI, W. Elektrooptische untersuchungen zum problem der aggregationszustände von tabakmosaikvirus-protein in lösung. *Z. f. Natforsch.* 6b:60-63. Ref. Feb./Mar.1951. 474 Z3
- 73088 KIRAKOSIAN, A. V., and KHACHATRIAN, G. A. Virus diseases of potatoes cultivated in Armenia. (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:333-344. 1950. 20 Er4
- 73089 KLAPP, E. Zusammenhang düngungs- und bodenbedingter standortsunterschiede mit pfirsichblattlausbesatz und nachbauwert der kartoffel. *Z. f. Acker- u. Pflanzenbau* 93:347-358. Ref. May 1951. 18 J825
- Virus transmitted to potato by *Myzus persicae*.
- 73090 KLINKOWSKI, M., and SCHMELZER, K. Das gelbnetz-virus der betarübe, eine bisher in Deutschland noch nicht beobachtete viruskrankheit. *Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)* 5:21-24. Feb.1951. 464.9 N11
- 73091 KOHLER, E. Über das vorkommen des tabakringfleckenvirus bei kartoffeln. *Nachrbl. des Deut. Pflanzenschutzdienstes* 2:146-147. Oct.1950. 442.9 B832
- Ergänzende bemerkungen, von Dr. Körner, p.147.
- 73092 KÖHLER, E. Zum nachweis von kartoffel-virosen im testpflanzenverfahren. *Nachrbl. des Deut. Pflanzenschutzdienstes* 3:25. Feb.1951. 442.9 B832
- 73093 KOZŁOWSKA, A. Investigation of masked virus X in potatoes by complement fixation. (Abs.) *Akad. Umiej. Wydz. Mat.-Przyrodniczy. Compt. Rend.* 1950(4/5): 6. Apr./May 1950. 512 K85C
- 73094 KUNKEL, L. O. Yellows diseases of plants. *Torrey Bot. Club. B.* 78:269-270. May/June 1951. 451 T63B
- Aster yellows.
- 73095 MELLOR, F. C., and FITZPATRICK, R. E. Studies of virus diseases of strawberries in British Columbia. II. The separation of the component viruses of yellows. *Canad. J. Bot.* 29:411-420. Aug.1951. 470 C16C
- 73096 MULDER, D. Stony pit in pear fruits. (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 14: 357-361. June 1951. 86 N384
- English summary.
- 73097 MUNGOMERY, R. W. Mosaic disease in South Queensland. *Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B.* 14:167-168. Apr.1,1951. 65.9 Q3C
- 73098 NAREMATSU, I., and MOTOHASHI, S. Control of radish mosaic disease. (In Japanese.) *Jap. J. Plant Protect.* 20:37-47. Feb.1951. 421 J27
- 73099 NEW SOUTH WALES. DEPT. OF AGRICULTURE. Big bud (rosette) of tomatoes and other plants. *N. S. Wales. Dept. Agr. Plant Dis. L.* 121,5 p. 1950. 464.9 N47
- Transmitted by *Erosius argentata*.
- 73100 NEWTON, N. Some effects of high-intensity ultrasound on tobacco mosaic virus. *Science* 114:185-186. Aug.17,1951. 470 Sci2
- 73101 PETTINARI, C. The mosaic of the carnation in Italy. (In Italian.) *Not. sulle Mal. delle Piante* 12:10-11. Sept./Oct.1950. 464.8 N84
- 73102 QUANTZ, L. Eine virose der erbsen und anderer leguminosen. *Phytopath. Z.* 17:472-477. Ref. Apr. 1951. 464.8 P562
- 73103 RODRIGUEZ SARDIÑA, J., and MARTINEZ CORDON, F. Acción de algunos farmacos sobre las virosis de las plantas. *Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr.* 17:1-14. 1949, pub.1950. 464.9 M26
- 73104 ROOS, M. J. Standardized plants, virus diseases and disease resistance. (In Dutch.) *Bloemisterij* 25(27):4. July 6,1951. 80 B624
- 73105 RUI, D., CIFERRI, R., and REFATTI, E. The virus "witches' broom" of apple in Verona. (In Italian.) *Not. sulle Mal. delle Piante* 13:7-11. Nov./Dec.1950. 464.8 N84
- 73106 SCHICKE, P. Die übertragung der bohnenmosaikkrankheit (*Phaseolus virus 1*). *Saatgut-Wirt.* 3: 60. Mar.1951. 61.8 Sa1
- 73107 SCHLOCKER, A., and NYLAND, G. Yellow leaf roll of peach. *Calif. Dept. Agr. B.* 40:39-42. Apr./June 1951. 2 C12M
- 73108 STAPP, C., and BARTELS, R. Über den einfluss von keimhemmungsmitteln auf den serologischen x-virusnachweis in kartoffeldunkelkeimen. *Nachrbl. des Deut. Pflanzenschutzdienstes* 2:186-187. Dec.1951. 442.9 B832
- 73109 THOMAS, W. D., JR., and DANIELS, L. B. The identity and vector of the carnation streak virus. *Colo. State Flower Growers Assoc. B.* 21:1-2. July 1951. 81 C715
- 73110 THOMAS, W. D., JR., and GRAHAM, R. W. Longevity of the red-node virus in beans. *Phytopathology* 41:764-765. Aug.1951. 464.8 P56
- 73111 THUNG, T. H., and HADIWIDJAJA, T. Growth substances in relation to virus diseases; experiments with *Arachis hypogaea*. (In Dutch.) *Tijdschr. over Plantenziekten* 57:95-99. May/June 1951. 464.8 T44
- 73112 WANT, J. P. H. VAN DER. Investigations on carnation mosaic. II. (In Dutch.) *Tijdschr. over Plantenziekten* 57:72-74. 1951. 464.8 T44
- English summary.
- 73113 WEBB, R. E., LARSON, R. H., and WALKER, J. C. Naturally occurring strains of the potato leaf roll virus. *Amer. Potato J.* 28:667-671. July 1951. 75.8 P842
- 73114 WILCOX, R. B. Tests of cranberry varieties and seedlings for resistance to the leafhopper vector [*Sclerorhynchus vaccini*] of false-blossom disease. *Phytopathology* 41:722-735. Aug.1951. 464.8 P56

73115 WILSON, J. D. Ohio MR17, a new mosaic tolerant pickling cucumber. Ohio. Agr. Expt. Sta. Res. C. 10,8 p. July 1951. 100 Oh3R

Diseases Caused by Nematodes

73116 ATKINS, J. G., JR. Root-knot nematodes on peas and vetch in Louisiana. Plant Dis. Rptr. 35:323. July 15, 1951. 1.9 P69P

73117 CIFERRI, R., and BERTOSSI, F. Effectiveness of parathion against nematodes and fungi [Pythium debaryanum]. (In Italian.) Not. sulle Mal. delle Piante 12: 59-64. Sept./Oct. 1950. 464.8 N84
English summary.

73118 COURTNEY, W. D. I have a lovely bunch of nematodes. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:7-8. 1950. 81 N818

73119 DAULTON, R. A. C., and STOKES, W. M. High frequency electric currents kill eelworm. Rhodesian Tobacco J. 3(6):108-109, 121. June 1951. 69.8 R34

73120 DOUGHERTY, E. C. Evolution of zoöparasitic groups in the phylum Nematoda, with special reference to host-distribution. J. Parasitol. 37:353-378. Ref. Aug. 1951. 448.8 J824

Includes plants and insects.

73121 GOFFART, H. Methoden zur untersuchung von böden auf kartoffelälchen. Nachrbl. des Deut. Pflanzen-schutzdienstes 3:25-27. Feb. 1951. 442.9 B832

73122 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Potato root eelworm [Heterodera rostochiensis]. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 284, 5 p. Feb. 1951. 10 G79La

73123 KOFOED, A. D. Potato nematode. (In Danish.) Dansk Landbr. 70:346-347. July 26, 1951. 280.28 V91

73124 MARTIN, G. C. Eelworm and weed control combined in seedbeds, efficiency of methyl bromide. Rhodesian Tobacco J. 2(8):35, 37, 39. Aug. 1950. 69.8 R34

73125 MARTIN, G. C. Ethylene dibromide proves itself in eelworm campaign. Rhodesian Tobacco J. 3(6): 70-78, 107. June 1951. 69.8 R34

73126 OOSTENBRINK, M. The pea root eelworm, Heterodera göttingiana Liebscher, in Holland. (In Dutch.) Tijdschr. over Plantenziekten 57:52-64. Ref. 1951. 464.8 T44

English summary.

73127 WADE, G. C. Bulb eelworm. Tasmania Dept. Agr. Tasmanian J. Agr. 22:136-137. May 1951. 23 T182T

ECOLOGY

73128 BOEKER, P. Die pflanzengesellschaften der dauerweiden im landkreis Bonn und ihre beziehungen zur bewirtschaftung und zu den standortsverhältnissen. Z. f. Acker- u. Pflanzenbau 93:287-307. Ref. May 1951. 18 J825

73129 CETL, I. Soil regulativity and its relations to the succession in our natural grassland plant formations. (In Czech.) Českoslov. Akad. Zeměděl. Sborn. 23:275-279. Ref. Mar. 1951. 19.5 C332C

English summary.

73130 CURTIS, J. R., and MCINTOSH, R. P. An upland forest continuum in the prairie-forest border region of Wisconsin. Ecology 32:476-496. Ref. July 1951. 410 Ec7

73131 DELEUIL, G. Explication de la présence de certains thérophytes rencontrés parfois dans les associations du Rosmarino-Ericion. Acad. des Sci. Compt. Rend. 232:2476-2477. June 25, 1951. 505 P21

73132 DREES, E. M. Official recognition of the importance of plant sociology by the Forest Service in Indonesia. Chron. Nat. 106:476-477. Dec. 1950. 514 B31

73133 DUCHAIGNE, A. Les chaumes à Genévriers des côteaux calcaires d'Asnières-sur-Nouère (Charente). Monde des Plantes 45:71-72. Nov. 1950. 450 M743
An ecolog'cal study.

73134 FABIJANOWSKI, J. Untersuchungen über die zusammenhänge zwischen exposition, relief, mikroklima und vegetation in der Fallätsche bei Zürich. Schweiz. Natforsch. Gesell. Pflanzengeog. Komm. Beitr. Z. Geobot. Landesaufnahme der Schweiz 29, 105 p. 1950. 451 Sch9B

73135 GIBSON, C. R. Transition between the equatorial forest and the tropical grassland of Nigeria. West. Austral. U. Geog. Lab. Res. Rpt. 20, 10 p. Ref. Oct. 1950. 109 W525

73136 HESLOP HARRISON, J. Fresh aspects of Irish vegetational problems: II. Irish Nat. J. 10:145-149. Apr. 1951. 410 Ir42

Ecological problems.

73137 HORNSMANN, E. Die drei gesichter der Lüneburger heide. Allg. Forstz. 6:305-308. July 25, 1951. 99.8 AL52

73138 HUECK, K. Deutsches moorland. Ed. 2. Leipzig, Akademische Verlagsgesellschaft Geest & Portig, 1950. 29 p. (Die Neue Brehm-Bücherei) 56.33 H87

73139 HUFFAKER, C. B. The return of native perennial bunchgrass [Danthonia californica] following the removal of klamath weed (Hypericum perforatum L.) by imported beetles [Chrysolina spp.]. Ecology 32:443-458. July 1951. 410 Ec7

73140 ILIC, E. Recherches floristiques et typologiques de la domaine Maydanpek. (In Serbian.) Sumarski List 75:142-147. Ref. Mar./Apr. 1951. 99.8 Su6
French summary.

73141 JOLY, A. B. Phytogeographic study of the fields of Butantã. (In Portuguese.) São Paulo. U. Facul. de Fil., Ciên. e Let. Bot. 8:5-68. Ref. 1950. 451 Sa63
English summary.

73142 KEEVER, C., OOSTING, H. J., and ANDERSON, L. E. Plant succession on exposed granite of Rocky Face Mountain, Alexander County, North Carolina. Torrey Bot. Club. B. 78:401-421. Sept./Oct. 1951. 451 T63B

73143 KŁAPUT, A. Recherches sur les sols associations végétales rocheuses de Jura de Cracovie. (Abs.) Akad. Umiej. Wydz. Mat.-Przyrodniczy. Compt. Rend. 1950(4/5):7-8. Apr./May 1950. 512 K85C

73144 KOLBE, R. W., and SILFVERSPARRE, A. W. Rudrätasket—ein kleiner braunwassersee bei Stockholm. Eine allgemeine orientierung. Svensk. Bot. Tidskr. 45: 408-413. 1951. 450 Sv2

73145 KUCERA, C. L., and AIKMAN, J. M. Secondary plant succession on an eroded Lindley soil as affected by variations in cultural treatment. Iowa State Col. J. Sci. 25:581-597. Ref. July 1951. 470 Io9

73146 LINDSEY, A. A. Vegetation and habitats in a southwestern volcanic area. Ecol. Monog. 21:227-253. Ref. July 1951. 410 Ec72

73147 MAJOR, J. A functional factorial approach to plant ecology. Ecology 32:392-412. Ref. July 1951. 410 Ec7

73148 MANGENOT, G. Une formule simple permettant de caractériser les climats de l'Afrique intertropicale dans leurs rapports avec la végétation. Rev. Gén. de Bot. 58:353-369. Ref. July 1951. 450 R326

73149 MATUSZKIEWICZ, W. Badania fitosocjologiczne nad lasami bukowymi w Sudetach. Phytosociological researches on the beech-forests in the Sudetts-mnts. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. C. Sup 5, 196 p. Ref. 1950. 512 L96Acs
English summary.

73150 MENTZER, L. W. Studies on plant succession in true prairie. Ecol. Monog. 21:255-267. July 1951. 410 Ec72

73151 MRAZ, K. Degradation of forest types. (In Czech.) Lesn. Práce 29:357-384. Dec. 1950. 99.8 L56

English summary.

Ecology.

73152 PIEMEISEL, R. L., LAWSON, F. R., and CARISNER, E. Weeds, insects, plant diseases, and dust storms. Sci. Mon. 73:124-128. Aug. 1951. 470 Sci23

73153 PIGOTT, C. D. The geographical distribution of the British species of Thymus, and a brief illustration of the application of distributional studies in ecology. In Botanical Society of the British Isles. The study of the distribution of British plants, p.91-95. Ref. Oxford, 1951. 451 B658s

73154 ROSAYRO, R. A. DE. Ecological conceptions and vegetational types with special reference to Ceylon. Trop. Agr. [Peradeniya] 106:108-121. Ref. July/Sept. 1950. 26 T751

73155 SCHNELL, R. Note sur le peuplement végétal des montagnes de l'Afrique Occidentale et particulièrement du Massif du Nimba. Conf. Internat. des Afrikanistes de l'Ouest. Compt. Rend. 1(1):496-504. Ref. 1945, pub. 1950. 515 C762C

73156 SCHUTTE, K. Eine interessante feststellung über spannungen in den wurzelsystemen einer buschwaldgesellschaft in Afrika. Naturwissenschaften 38:334. July 15, 1951. 474 N213

73157 SCHWICKERATH, M. Hohes venn und vennrand, landschaft und pflanzenwelt. Köln, Comel, 1950. 65 p. 459.3 Sch92H

73158 SPURR, S. H. George Washington, surveyor and ecological observer. Ecology 32:544-549. July 1951. 410 Ec7

- 73159 STONE, E. C. The stimulative effect of fire on the flowering of the golden Brodiaea (*Brodiaea ixioides* Wats. var. *lugens* Jeps.). *Ecology* 32:534-537. July 1951. 410 Ec7
- 73160 VAYSSIÈRE, P. Les bases écologiques de la régénération de la végétation des zones arides. *Acad. d'Agr. de France. Compt. Rend.* 37:331. May 30, 1951. 14 P215Bc
- 73161 VOIGT, J. W. Vegetational changes on a 25 year subserre in the loess hill region of central Nebraska. *J. Range Managt.* 4:254-263. Ref. July 1951. 60.18 J82
- 73162 WENDELBERGER, G. Pilzgemeinschaften. *Nat. u. Land* 36:154-156. 1950. 410 N2124

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 73163 ALMEIDA, J. L. F. DE, and SAMPAYO, T. M. On the nuclear difference in the microspores of *Luzula purpurea* Link. (In Portuguese.) *Soc. Broteriana. B.* (ser.2)24:323-334. Ref. 1950. 451 C66
English summary.
- 73164 AMMAL, E. K. J. Chromosomes and horticulture. *Roy. Hort. Soc. J.* 76:236-239. July 1951. 84 L84J
- 73165 ANDERSON, C. D. Xylem differentiation in carrot callus tissue. *W. Va. Acad. Sci. Proc.* 22:214-216. 1950. 500 W52
- 73166 BAILEY, P. C. A study of the chromosome morphology of some species of *Trillium*. *Torrey Bot. Club. B.* 78:324-330. July/Aug. 1951. 451 T63B
- 73167 BALDWIN, J. T., JR. Chromosomes of *Spiraea* and of certain other genera of Rosaceae. *Rhodora* 53:203-206. Aug. 1951. 450 R34
- 73168 BALDWIN, J. T., JR., and SPEESE, B. M. Cytogeography of *Physalis* in West Africa. *Torrey Bot. Club. B.* 78:254-257. Ref. May/June 1951. 451 T63B
- 73169 BANNAN, M. W. The annual cycle of size changes in the fusiform cambial cells of *Chamaecyparis* and *Thuja*. *Canad. J. Bot.* 29:421-437. Ref. Aug. 1951. 470 C16C
- 73170 BAUM, H. Lassen sich in der ontogenese der karpelle und staubblätter noch anklänge an ihre phylogenetische entwicklung aus telomen feststellen? *Österr. Bot. Z.* 97:333-341. Ref. 1950. 450 Os7
- 73171 BAUM, H. Das narbensekret von *Koeleria paniculata*. *Österr. Bot. Z.* 97:517-519. 1950. 450 Os7
- 73172 BERSILLON, G. Sur le point végétatif de *Papaver somniferum* L.: structure et fonctionnement. *Acad. des Sci. Compt. Rend.* 232:2470-2472. June 25, 1951. 505 P21
- 73173 BROWN, W. V. Chromosome numbers of some Texas grasses. *Torrey Bot. Club. B.* 78:292-299. Ref. July/Aug. 1951. 451 T63B
- 73174 BUVAT, R. Transformation du point végétatif de *Myosurus minimus* L. en méristème floral. *Acad. des Sci. Compt. Rend.* 232:2466-2468. June 25, 1951. 505 P21
- 73175 CAILLEAU, M. Contribution à l'étude de la croissance des organes souterrains de l'*Ophioglossum vulgatum* L. *Soc. Bot. de France. B.* 98:31-33. Jan./Mar. 1951. 451 F84B
- 73176 CAMEFORT, H. Structure du point végétatif de *Ginkgo biloba* en période d'activité (initiation foliaire). *Acad. des Sci. Compt. Rend.* 233:88-90. July 2, 1951. 505 P21
- 73177 CHOLNOKY, B. J. Protoplasmatische untersuchungen durch lebendfärbung an den epidermiszellen der *Senecio cruentus*-blumenblätter. *Österr. Bot. Z.* 97:380-390. 1950. 450 Os7
- 73178 COZZO, D. Claves para el reconocimiento anatómico del leño secundario de las leguminosas argentinas. *Rev. Argentina de Agron.* 18:78-97. June 1951. 9 R327
- 73179 CRANE, J. C. Relationship of leaf area and internodal length to fruiting habit of the fig. *Calif. Fig. Inst. Proc. Annu. Res. Conf.* 5:6-7. Mar. 16, 1951. 93.44 C122P
- 73180 CUENOD, A. Sur la phyllotaxie du capitule des Composées. *Soc. Bot. de France. B.* 98:24-27. Jan./Mar. 1951. 451 F84B
- 73181 DRAWERT, H., and THILKE, C. Protoplasmatische studien an *Erineum nervisequum* Kunze auf *Fagus silvatica* L. *Protoplasma* 40:200-204. Ref. 1951. 442.8 P94
- 73182 DUFFY, R. M. Comparative cellular configurations in the meristematic and mature cortical cells of the primary root of tomato. *Amer. J. Bot.* 38:393-408. Ref. June 1951. 450 Am36
- 73183 DUTT, S. M. On the cytogenetics of cultivated jasmines. (Abs.) *Indian Sci. Cong. Proc.* 36(3):143. 1949. 513 In22
- 73184 FERNANDES, A. Sur la caryologie de *Lapiedra martinensis* Lag. *Soc. Broteriana. B.* (ser.2)24:291-322. Ref. 1950. 451 C66
- 73185 FORS, A. L. La epidermis del tallo de la caña de azúcar. *Asoc. de Téc. Azucareros de Cuba B. Ofic.* 9:439-443. Jan. 1951. 65.9 As5B
- 73186 FOSTER, A. S. Heterophylly and foliar venation in *Lacunaria*. *Torrey Bot. Club. B.* 78:382-400. Ref. Sept./Oct. 1951. 451 T63B
- 73187 FOURCROY, M., and RIVIÈRE, S. Inversion d'un faisceau cribro-vasculaire dans l'anthere introrse du lis. *Acad. des Sci. Compt. Rend.* 233:192-194. July 9, 1951. 505 P21
- 73188 GARRIGUES, R. Sur les anomalies mitotiques du tapis des étamines. *Rev. Gén. de Bot.* 58:305-318. Ref. June 1951. 450 R326
- 73189 GREGORY, W. C., SMITH, B. W., and YARBROUGH, J. A. Morphology, genetics and breeding. In *The peanut; a symposium*, p.28-88. Ref. Washington, Natl. Fert. Assoc., 1951. 77 P313
- 73190 GRUN, P. Variations in the meiosis of alfalfa. *Amer. J. Bot.* 38:475-482. Ref. June 1951. 450 Am36
- 73191 HEIM, P. Remarques sur les divisions nucléaires chez les Discomycètes. *Acad. des Sci. Compt. Rend.* 232:2468-2470. June 25, 1951. 505 P21
- 73192 ICE, W. L. Some new aspects in the morphology of mosses. *W. Va. Acad. Sci. Proc.* 22:217-218. 1950. 500 W52
- 73193 JAEGER, P. Observation d'un cas tératologique chez le *Borreria ruelliae* K. Schum. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(1):441-444. 1945, pub. 1950. 515 C762C
- 73194 JAKOWSKA, S. The resting nucleus in *Phytaria* and *Lesquerella*. *Torrey Bot. Club. B.* 78:221-226. May/June 1951. 451 T63B
- 73195 JEPPSON, L. R. Ridge deformities of lime fruit. *Calif. Citrog.* 36:397. Aug. 1951. 80 C125
- 73196 KADRY, A. E. R. Chromosome behaviour in *Cardiospermum halicacabum* L. *Svensk Bot. Tidskr.* 45:414-416. 1951. 450 Sv2
- 73197 KAMPTNER, E. Über den aufbau des kalkgehäuses von *Phacotus lendneri* Chod. *Österr. Bot. Z.* 97:391-402. 1950. 450 Os7
- 73198 KENDA, G., and WEBER, F. Stomata-zahl vergrünter *Verbascum blattaria*-kronblätter. *Österr. Bot. Z.* 97:503-509. Ref. 1950. 450 Os7
- 73199 LEBEGUE, A. Note préliminaire à l'étude embryogénique des Saxifragacées. *Genre Saxifraga*. *Paris. Mus. Natl. d'Hist. Nat. B.* (ser.2)22:611-614. Oct. 1950. 410.9 P213
- 73200 LEINFELLNER, W. Der bauplan des synkarpen gynözeums. *Österr. Bot. Z.* 97:403-436. Ref. 1950. 450 Os7
- 73201 LOMMASSON, R. C. Vein length per unit area of blade in native grasses. *Iowa Acad. Sci. Proc.* 57:131-134. 1950. 500 Io93
- 73202 LUTTRELL, E. S. The morphology of *Dothidea collecta*. *Amer. J. Bot.* 38:460-471. Ref. June 1951. 450 Am36
- 73203 MCDONALD, D. F. Chromosome chatter. *Newest. Orchid B.* 2(6):7-8. June 1951. 96.2 N81
- 73204 MAEKAWA, F. Sporic, and asporic diplont. (In Japanese.) *J. Jap. Bot.* 26:78-80. Mar. 1951. 450 J8223
- Allomyces.
- 73205 MIEGE, J. Exemples de tricotylie chez le cornulier. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(1):477-484. 1945, pub. 1950. 515 C762C
- 73206 MIEGE, J. Sur divers cas de polyembryonie observés en Côte d'Ivoire. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(1):486-495. 1945, pub. 1950. 515 C762C
- 73207 NAYLOR, S. Spines. *Cactus & Succulent J. Gt. Brit.* 13:56-57, 67. July 1951. 450 C113
- 73208 NORTHERN, R. T. The orchid column holds hidden treasure. *Amer. Orchid Soc. B.* 20:471-476. Aug. 1951. 80 Am329
- 73209 NÚÑEZ, O. Interpretación morfológica de la espiguilla de arroz. *Cien. e Invest.* 7:230-234. Ref. May 1951. 475 C482
- 73210 POINDEXTER, J. Comparative morphology of the foliar appendages in certain of the *Opuntia* spp.; the Cactus spine and related structures. *Desert Plant Life* 23:29-40. Apr. 1951. 450 D45

- 73211 PORSCH, O. Geschichtliche lebenswertung der kastanienblüte. *Osterr. Bot. Z.* 97:269-321. Ref. 1950. 450 Os7
- 73212 PURI, V. The role of floral anatomy in the solution of morphological problems. *Bot. Rev.* 17:471-553. Ref. July 1951. 450 B6527
- 73213 RAO, A. N. A note on the embryology of *Dioscorea oppositifolia* L. *Cur. Sci.* 20:162-163. June 1951. 475 Sci23
- 73214 RAO, T. A., GOVINDU, H. D., and THIRU-MALACHAR, M. J. Aerial roots in some tropical rain forest plants. *Indian Bot. Soc. J.* 29:224-226. Nov. 1950. 450 J821
- 73215 RAO, T. A. Foliar sclereids in the Oleaceae. 2. *Indian Bot. Soc. J.* 29:220-224. Nov. 1950. 450 J821
- 73216 RAU, M. A. Development of the embryo in *Trigonella foenum-graecum* L. *Indian Bot. Soc. J.* 29:210-213. Nov. 1950. 450 J821
- 73217 RIVIÈRE, S. Structure anatomique de la base de l'anthere introrse de lis (*Lilium candidum*-Liliacées). *Rev. Gén. de Bot.* 58:370-386. Ref. July 1951. 450 R326
- 73218 ROYAN, S., and SUBRAMANIAM, M. K. Critical evidence for mitosis in yeasts. *Cur. Sci.* 20:161-162. June 1951. 475 Sci23
- 73219 RUTISHAUSER, A., and HUNZIKER, H. R. Untersuchungen über die zytologie des endosperms. *Schweiz. Gesell. f. Vererbforsch. Jahresber.* 10:477-483. Ref. 1950. 443.9 Sch9
- 73220 SALTON, M. R. J., and HORNE, R. W. Studies of the bacterial cell wall. II. Methods of preparation and some properties of cell walls. *Biochim. et Biophys. Acta* 7:177-197. Ref. July 1951. 381 B522
- 73221 SCHNACK, B., and COVAS, G. Número de cromosomas de dos especies de "Glandularia." *Rev. Argentina de Agron.* 18:107-108. June 1951. 9 R327
- 73222 SCHNELL, R. Sur quelques cas d'hétérophylle chez des plantes d'Afrique Occidentale. *Conf. Internat. des Africanistes de l'Ouest. Compt. Rend.* 1(1):505-510. 1945, pub. 1950. 515 C762C
- 73223 SCHROEDER, C. A. Fruit morphology and anatomy of the *Cherimoya*. *Bot. Gaz.* 112:436-446. Ref. June 1951. 450 B652
- 73224 SNOW, M. Experiments on spirodistichous shoot apices. I. *Roy. Soc. London. Philos. Trans. Ser. B, Biol. Sci.* 235:131-162. Jan. 16, 1951. 501 L84Pb
- Rhoeo discolor as example.
- 73225 SOUÈGES, R. Embryogénie des Rubiacées; développement de l'embryon chez le *Richardsonia pilosa* H. B. et K. (R. brasiliensis Hayne). *Acad. des Sci. Compt. Rend.* 233:5-8. July 2, 1951. 505 P21
- 73226 SRIVASTAVA, J. G. On aerial roots in *Vitis quadrangularis* Wall. *Cur. Sci.* 20:133. May 1951. 475 Sci23
- 73227 SRIVASTAVA, J. G. On a new type of anomalous secondary growth found in the stem of *Vitis quadrangularis* Wall. *Cur. Sci.* 20:133. May 1951.
- 73228 STIGTER, H. C. M. DE. The influence of stock foliage in an incompatible cucurbitaceous graft. *Nederlands. Akad. van Wetensch. Proc. Ser. C. Biol. & Med. Sci.* 54:58-65. 1951. 442.9 Am8
- 73229 TERASMAE, J. On the pollen morphology of *Betula nana*. *Svensk Bot. Tidskr.* 45:358-361. 1951. 450 Sv2
- 73230 TISCHLER, G. F. L. Die chromosomenzahlen der gefässpflanzen Mitteleuropas. 's-Gravenhage, Junk, 1950. 263 p. 463.46 T52
- 73231 TRET'IAKOV, N. A. Phenological observations on late ramifying *Quercus*. (In Russian.) *Les i Step'* 2 (10):57-59. Oct. 1950. 99.8 L565
- 73232 WILLIAMS, W. L. Abnormality in *Thelymitra fusco-lutea*. *Victorian Nat.* 68:15-16. May 1951. 410 V66
- 73233 WUNDERLICH, R. Die Agavaceae Hutchinsons im lichte ihrer embryologie, ihres gynözeum-, staubblatt- und blattbaues. *Osterr. Bot. Z.* 97:437-502. Ref. 1950. 450 Os7
- 73234 WYLIE, R. B. Foliar organization and vascularization of *Tolmiea menziesii*. *Iowa Acad. Sci. Proc.* 57:149-155. 1950. 500 Io93
- 73237 BORNHOLMS LANDÖKONOMISKE FORENING. PLANTEAVLSUDVALGET. Beretning om arbejdet for planteavl pa Bornholm 1950 [Report on the plant breeding work at Bornholm 1950]. Rønne, 1951. 29 p. 11 B64
- 73238 BRIQUET JR., R. Mendel and his primary law. II. (In Portuguese.) *Agr. e Pecuaria* 32(330):31-32, 43-44, 72. Mar. 1951. 9.2 Ag89
- Research with plants.
- 73239 EGIKIAN, A. A. The principles and methods of Michurin selection. (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:463-470. 1950. 20 Er4
- 73240 FAVARGER, C. Polyploidie et vicariance dans la flore alpine. *Schweiz. Gesell. f. Vererbforsch. Jahresber.* 10:472-477. Ref. 1950. 443.9 Sch9
- 73241 FRANDSEN, K. J. Breeding of cross-fertilizing plants. (In Danish.) *Nord. Jordbrforsk.* 1949/50:233-253. Ref. 1951. 11 N752
- English summary.
- 73242 FRÖIER, K. Survey of the genetic basis for breeding of monoic hemp. (In Swedish.) *Lin* 5:73-78. Ref. June 1951. 73.18 L63
- English summary.
- 73243 GAISER, L. O. A natural hybrid of *Liatris* (x *L. weaveri* Shinnery). *Amer. Midland Nat.* 45:750-763. May 1951. 410 M58
- 73244 HEYNE, E. G. Plant breeding in Japan. Supreme Commander Allied Powers. Nat. Resources Sect. Prelim. Study 52, 30 p. May 1951. 280.9 Su72
- Appendix B, Control of plant diseases in Japan with particular reference to wheat and barley, by J. J. Christensen, p. 26-30.
- 73245 KALTON, R. R. Efficiency of various bagging materials for effecting self-fertilization of sunflowers. *Agron. J.* 43:328-331. July 1951. 4 Am34P
- 73246 KARAPETIAN, V. K. Concerning the species formation of plants. (The transformation of hard wheat into soft wheat). (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:755-780. Ref. 20 Er4
- 73247 KUANG, H. H. Studies on rice cytology and genetics as well as breeding work in China. *Agron. J.* 43:387-397. Ref. Aug. 1951. 4 Am34P
- 73248 KÜRTEN, P. W. Moderne zuchtaufgaben der deutschen pflanzenzüchtung. *Übersicht* 2(3):16-18. July 1951. 18 Ub3
- 73249 MEULEN, J. G. J. VAN DER. Rice improvement by hybridization and results obtained. *Indonesia. Gen. Agr. Res. Sta. Contrib.* 116, 38 p. Dec. 1950. 109.5 Ea73
- 73250 MIEGE, J. Sur quelques mutations de cotonniers. *Conf. Internat. des Africanistes de l'Ouest. Compt. Rend.* 1(1):471-476. 1945, pub. 1950. 515 C762C
- 73251 NICOLAISEN, W. Gegenwartsprobleme der pflanzenzüchtung. *Deut. Landwirt. Presse* 74:131-132. May 19, 1951. 18 D482
- 73252 NOHE, E. Die DLG [Deutsche Landwirtschaft Gesellschaft] im dienste der pflanzenzüchtung. *Saatgut-Wirt.* 3:101-103. (Cont.) May 1951. 61.8 Sa1
- 73253 NOHE, E. Technische hilfskräfte in der pflanzenzüchtung. *Saatgut-Wirt.* 3:61. Mar. 1951. 61.8 Sa1
- 73254 OWNBEY, G. B. Natural hybridization in the genus *Cirsium*. I. *Torrey Bot. Club. B.* 78:233-253. Ref. May/June 1951. 451 T63B
- 73255 PORUTSKII, I. V., and MURASHEVSKII, G. V. Concerning the physiological peculiarities of interspecific vegetative hybrids. (In Russian.) *Selek. i Semenovod.* 1951:30-33. Jan. 1951. 61.9 Se5
- 73256 PROCTOR, R. C. Principles of plant reproduction. *Cactus & Succulent J.* 23:107-111. (Cont.) July/Aug. 1951. 451 C11
- 73257 RAGHAVAN, T. S. Cytoplasmic inheritance in *Saccharum*. *Cur. Sci.* 20:138-140. May 1951. 475 Sci23
- 73258 RICHEY, F. D., and DAWSON, R. F. Experiments on the inheritance of niacin in corn (maize). *Plant Physiol.* 26:475-493. Ref. July 1951. 450 P692
- 73259 ROEMER, T., and RUDORF, W. Handbuch der pflanzenzüchtung, v. 5, p. 369-508. Berlin, Parey, 1950. 64 R66
- 73260 SCHWEMMLE, J. Gibt es eine selektive befruchtung? II. *Biol. Zentbl.* 70:193-252. 1951. 442.8 B523
- 73261 SIMONGULIAN, N. G. Cotton xenia. (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:517-519. 1950. 20 Er4
- 73262 STEPHENS, J. C. The Y V11 G2 linkage group in *Sorghum*. *Agron. J.* 43:382-386. Ref. Aug. 1951. 4 Am34P

GENETICS

- 73235 BLEIER. Pflanzenzüchtung auf neuen wegen. *Übersicht* 2(2):16-20. Apr. 1951. 18 Ub3
- 73236 BOLHUIS, G. G. Natural hybridisation in groundnuts. (In Dutch.) *Landbk. Tijdschr.* 63:447-455. Ref. July 1951. 105.2 Or3
- English summary.

73263 SZILVINYI, A., and GRUBER-OBERFEUCHTNER, J. Die genetische bedingtheit der grössse von *Saccharomyces cerevisiae* Hansen. Verssta. f. das Gärungsgewerbe. Mitt. 5:39-44. Mar./Apr.1951. 390.08 V67

73264 TEAS, H. J., and NEWTON, A. C. Tryptophan, niacin, and indoleacetic acid in several endosperm mutants and standard lines of maize. *Plant Physiol.* 26: 494-501. Ref. July 1951. 450 P692

73265 VELA, F. De la intuición a la ciencia. *Asoc. Nac. de Ingen. Agrón. B.* 3(11):3-6. Jan./Feb.1951. 58.9 As5

Plant breeding

PHYSIOLOGY

73266 AGINIAN, A. A. The dynamics of the yarovization processes in winter rye seeds collected at various phases of embryonic development. (In Russian.) *Akad. Nauk Armiansko SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:295-307. 1950. 20 Er4

73267 ALAMERCERY, J., HAMNER, C. L., and LATUS, M. Chlorophyll inhibition and growth regulation by several tetroneic acid derivatives. *Nature [London]* 168:85. July 14, 1951. 472 N21

73268 ALESHIN, S. N., and IASTREBOV, M. T. On electrical potential of plant roots and methods for determining it. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:188-194. 1950. 20 M875

73269 ALLEN, S. E., and SKOOG, F. Phytotoxicity of imidazole derivatives and related compounds. *Plant Physiol.* 26:611-624. Ref. July 1951. 450 P692

73270 BALDOVINOS, G. Acción del ácido indoleacético y del monofosfato-1 de glucosa sobre el crecimiento in vitro de la raíz de maíz. *Soc. Mex. de Hist. Nat. Rev.* 11:59-76. Dec.1950. 516 S015

73271 BALDOVINOS, G. Reacciones respiratorias de los sistemas meristemáticos de la raíz primaria de maíz. *Soc. Mex. de Hist. Nat. Rev.* 11:77-90. Ref. Dec.1950. 516 S015

73272 BASS, L. N. Effect of wave length bands of filtered light on germination of seeds of Kentucky bluegrass (*Poa pratensis*). *Iowa Acad. Sci. Proc.* 57:61-71. Ref. 1950. 500 I093

73273 BECKER, Y., GUYOT, L., and MONTEGUT, J. Sur quelques incidences phytosociologiques du problème des excretions racinaires. *Acad. des Sci. Compt. Rend.* 232:2472-2474. June 25, 1951. 505 P21

73274 BECKER, Y., and others. Sur un aspect phytopathologique du problème des substances racinaires toxiques. *Acad. des Sci. Compt. Rend.* 233:198-199. July 9, 1951. 505 P21

J. Guillemat, L. Guyot, and D. Lelièvre, joint authors. 73275 BENNET-CLARK, T. A. Water in the architecture of plants. *Endeavour* 10:151-154. July 1951. 472 En2

73276 BENVENUTI, B. Effetti de la carence d'éléments biogenici sur les ormeaux. (In Italian.) *Italia Forest. e Mont.* 6:66. Mar./Apr.1951. 99.8 It12

French summary.

73277 BERGER, C. A., and WITKUS, E. R. Some cytological effects of cortisone. *Torrey Bot. Club. B.* 78:422-425. Sept./Oct.1951. 451 T63B

Effect on root tips of *Allium cepa*.

73278 BERNER, U. Sind die eichen insektenblütig oder windblütig. *Arch. f. Bienenk.* 27:85-86. 1950. 424.8 Ar2

73279 BERTOSSI, F. Treatment of tobacco seedlings with auxins and auxin-similar substances in relation to shock of transplanting. (In Italian.) *Not. sulle Mal. delle Pianta* 12:19-25. Sept./Oct.1950. 464.8 N84

73280 BERZAGHI, M. N. Crops and climate; profiles of requirements. II. (In Portuguese.) *Rev. dos Mercados* 2(5):27-31. Jan.1951. 286.8 R328

73281 BIEBL, R. Der wasserhaushalt der höheren pflanze. *Gartenbauwirtschaft [Wien]* 1951:30-31. (Concl.) Feb.10, 1951. 80 G1936

73282 BILLINGS, W. D., and MORRIS, R. J. Reflection of visible and infrared radiation from leaves of different ecological groups. *Amer. J. Bot.* 38:327-331. May 1951. 450 Am36

73283 BLACK, M. A. The effect of hot-water treatment on the germination of Dreadnought wheat. *New Zeal. J. Sci. & Technol. A, Agr. Res. Sect.* 33(1):44-48. June 1951. 514 N48A

73284 BODE, O. Untersuchungen zur unterbrechung der keimruhe bei kartoffeln. *Nachrb. des Deut. Pflanzen-schutzdienstes* 2:183-186. Dec.1950. 442.9 B832

73285 BÖNING, K. Versuch einer einteilung der lebenswichtigen elemente der pflanzenernährung auf grund ihrer stellung im zyklisch-periodischen system. *Z. f. Pflanzenbau u. Pflanzenschutz* 2:1-21. Ref. 1951. 464.8 P88

73286 BOUBALS, D., and HUGLIN, P. Un dépérissement de la vigne en relation avec la sécheresse. *Off. Internatl. du Vin. B.* 24(244):98-99. June 1951. 390.8 B87

73287 BOUBALS, D., and HUGLIN, P. Observations sur la sensibilité au salant de certaines espèces et hybrides d'espèces du genre *Vitis*. *Off. Internatl. du Vin. B.* 24(244):100-101. June 1951. 390.8 B87

73288 BRAUER, I. Die wirkung von adrenalin, adrenalin-abbauprodukten sowie ihren askorbinaten auf wurzelspitzen-mitosen von *Vicia faba*. *Biol. Zentbl.* 70: 152-172. Ref. 1951. 442.8 B523

73289 BROYER, R. C. An outline of energetics in relation to the movement of materials through a two-phased solution system. *Plant Physiol.* 26:598-610. July 1951. 450 P692

73290 BUNNING, E. Erbliche jahresrhythmen bei pflanzen. *Umschau* 51:268-270. May 1, 1951. 474 Um7

73291 BUNNING, E., and MUSSLE, L. Der verlauf der endogenen jahresrhythmik in samen unter dem einfluss verschiedenartiger aussenfaktoren. *Z. f. Natforsch.* 6b:108-112. Feb./Mar.1951. 474 Z3

73292 BURK, D., and WARBURG, O. Ein-quantenreaktion und kreisprozess der energie bei der photosynthese. *Z. f. Natforsch.* 6b:12-22. Jan./Feb.1951. 474 Z3

73293 CARNS, H. R., ADDICOTT, F. T., and LYNCH, R. S. Some effects of water and oxygen on abscission in vitro. *Plant Physiol.* 26:629-630. July 1951. 450 P692

73294 CAVAZZA, L. Heat treatment of sulla hard seeds. (In Italian.) *Barl U. Facoltà di Agr. Ann.* 7:59-85. Ref. 1950. 105.4 B232

73295 CAVAZZA, L. Hot water treatment of hard seeds of certain Leguminosae. (In Italian.) *Barl U. Facoltà di Agr. Ann.* 7:187-202. Ref. 1950. 105.4 B232

73296 CAVAZZA, L. Observations on the determination of germinative energy. (In Italian.) *Barl U. Facoltà di Agr. Ann.* 7:211-221. Ref. 1950. 105.4 B232

73297 CAVAZZA, L. Researches on the hormonal action of substances produced by certain microorganisms on higher plants. (In Italian.) *Barl U. Facoltà di Agr. Ann.* 7:3-24. Ref. 1950. 105.4 B232

73298 CHI, C. C. Trial on the effects of new improved granosan to seed-cuttings of sugarcane. II. (In Chinese.) *J. Sugarcane Res.* 5:120-142. Ref. May 1951. 65.8 J822

English summary.

73299 CHODAT, F., and BAGDIANTZ, A. Sur le mécanisme de la réduction des nitrates chez les plantes vertes. *Arch. des Sci.* 4:71-76. Ref. 1951. 475 Ar23

73300 CHOUARD, P. Plantes bisannuelles vraies et fausses bisannuelles. I. Rapports de la vernalisation et des autres mécanismes de la bisannualité. *Soc. Bot. de France. B.* 98:11-14. Jan./Mar.1951. 451 F84B

73301 CHOUARD, P. Pourquoi fleurissent les plantes Alençon, 1950. 62 p. 463.36 C45F

73302 CHOUARD, P. Réversion végétative de la fleur et néoténie provoquées expérimentalement, comme moyens physiologiques d'investigation sur la phylogénie et l'ontogénie des plantes à fleurs. *Acad. des Sci. Compt. Rend.* 233:86-88. July 2, 1951. 505 P21

73303 CIFERRI, R., and REFATTI, E. Autumnal symptomatology of peach phloem necrosis. (In Italian.) *Not. sulle Mal. delle Pianta* 13:11-14. Nov./Dec.1950. 464.8 N84

73304 CIFERRI, R. Non-parasitic "oil-spots" in grape leaves. (In Italian.) *Not. sulle Mal. delle Pianta* 13:65. Nov./Dec.1950. 464.8 N84

73305 CRANE, J. C., and CROSBY, E. A. Carbohydrate cycle in the fig. *Calif. Fig Inst. Proc. Annu Res. Conf.* 5:4-5. Mar.16, 1951. 93.44 C122P

73306 CROCIANI, A. Duration of viability of hemp seed in relation to storage conditions. (In Italian.) *Bologna. U. Cent. di Studi per le Ricerche sulla Lavorazione, Colt. ed Econ. della Canapa. Quaderni* 9, 30 p. Aug.23, 1950. 73.29 B63

73307 DANVIG, R. Light and plants. (In Danish.) *Gart.-Tid.* 67:335-339, 349-352. (Cont.) Aug.1-8, 1951. 80 G192

73308 DANVIG, R. Thermoperiodicity. (In Danish.) *Gart.-Tid.* 67:325-326. July 25, 1951. 80 G192

73309 DARBINIÁN, G. A., and KHLGATYÁN, A. KH. Concerning the change in light stage of sesame under the influence of the environment. (In Russian.) *Akad. Nauk Armiansko SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:505-509. 1950. 20 Er4

- 73310 DARBINIAN, G. A. The influence of benzene hexachloride and DDT upon plants and weeds. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:266-267. 1950. 20 Er4
- 73311 DAS, R., and GIRI, K. V. Screening effect of vitamin C on the inactivation of leaf phosphatase by ultraviolet light. Science 114:131-132. Aug.3,1951. 470 Sci2
- 73312 DASTUR, R. H. The "bad opening" of bolls in the Egyptian cottons in the Gezira Scheme, Anglo-Egyptian Sudan. Empire Cotton Growing Rev. 28:183-194. July 1951. 72.8 Em7
- 73313 DENISEN, E. L. Carotenoid content of tomato fruits as influenced by environment and variety. I-II. Iowa State Col. J. Sci. 25:549-574. Ref. July 1951. 470 Io9
- I, Effect of temperature and light; II, Effects of plant nutrients, gas storage, and variety.
- 73314 DIMOV, R. I. The influence of hot water treatment of buckwheat upon germination and yield. (In Russian.) Selek. i Semenovod. 1951:78-79. Jan.1951. 61.9 Se5
- 73315 DUONG-HUU-THOI. Sur les facteurs de la chute pre-maturée des fruits chez l' "Hibiscus rosa sinensis" L. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(1):432-433. 1945, pub.1950. 515 C762C
- 73316 EAMES, A. J. A correlation of severity of 2,4-D injury with stage of ontogeny in monocot stems. Science 114:203. Aug.24,1951. 470 Sci2
- 73317 EDEL'SHTEIN, V. I. Biology of vegetable crops. (In Russian.) Sad i Ogorod 2:51-56. Feb.1951. 80 Sa13
- 73318 ERNST-SCHWARZENBACH, M. Zur sterilitätsfrage bei phanerogamen wasserpflanzen. Schweiz. Gesell. f. Vererbforsch. Jahresber. 10:483-488. 1950. 443.9 Sch9
- 73319 FISCHER, H. Pflanzenkrankheiten in der baumschule durch spurenelementmangel. Deut. Baumsch. 3:94,96-100. Apr.1951. 80 D486
- 73320 FOUILLAND, G. Chlorose. Réveil Agr. 60: 196-197. July 1,1951. 14 R322
- In grapes.
- 73321 GABRIELIAN-BEKETOVSKAIA, E. A. The germination of quince pollen. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:483-489. 1950. 20 Er4
- 73322 GAGNEBIN, F., WUARIN, L., and CHODAT, F. Effets sur le pouvoir germinatif de traitements antérieurs à la germination (imbibitions suivies de dessiccations). Arch. des Sci. 4:65-71. 1951. 475 Ar23
- 73323 GATTANI, M. L. Induced variation in the germination of chlamydospores of Ustilago scitaminea. Cur. Sci. 20:134. May 1951. 475 Sci23
- 73324 GESSNER, F., and DIEHL, A. Die wirkung natürlicher ultraviolettstrahlung auf die chlorophyllzerstörung von planktonalgen. Arch. f. Mikrobiol. 15:439-453. Ref. 1951. 442.8 Ar26
- 73325 GIBBS, M. The position of C14 in sunflower leaf metabolites after exposure of leaves to short period photosynthesis and darkness in an atmosphere of C14O2. Plant Physiol. 26:549-556. Ref. July 1951. 450 P692
- 73326 GLAESER, G. Über blüten- und blattbewegungen nach freilandbeobachtungen aus den Hohen Tauern. Osterr. Bot. Z. 97:342-379. Ref. 1950. 450 Os7
- 73327 GOBIS, L. On the biological significance of citric acid; correlations between the citric acid content and protein metabolism in seeds. (In Italian.) Ann. della Sper. Agr. (n.s.):571-576. 1951. 16 An76
- English summary.
- 73328 GREULACH, V. A. The effects of various concentrations of maleic hydrazide on tomato and etiolated bean plants. Tex. J. Sci. 3:322-325. Ref. June 30,1951. 470 T31
- 73329 GROSSER, A., KUNDTNER-SCHWARZKOPF, H., and BERNHAUER, K. Einige beobachtungen über die conidienbildung in der submerskultur verschiedener Penicillium-arten. Arch. f. Mikrobiol. 15:247-252. 1951. 442.8 Ar26
- 73330 GUILCHER, J. M. L'atelier du Père Castor [pseud.] présente: La vie cachée des fleurs. Paris, Flammarion, 1950. 93 p. (Collection le Montreur d'Images) 463.38 G94
- 73331 GUKOVA, M. M. Effect of environmental reaction on metabolism and growth of plants. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok. 12:176-182. 1950. 20 M875
- 73332 GUYOT, L. Les excréments racinaires toxiques chez les végétaux. France. Min. de l'Agr. B. Tech. d'Inform. 59:345-354. May 1951. 14 F844B
- 73333 HAAS, A. R. C. Effect of length of day on the growth of orange trees. Calif. Citrog. 36:395,416. Aug. 1951. 80 C125
- 73334 HALL, W. C. Morphological and physiological responses of carnation and tomato to organic phosphorus insecticides and inorganic soil phosphorus. Plant Physiol. 26:502-524. Ref. July 1951. 450 P692
- 73335 HARRIS, H. C., and BLEDSOE, R. W. Physiology and mineral nutrition. In The peanut; a symposium, p.89-121. Ref. Washington, Natl. Fert. Assoc., 1951. 77 P313
- 73336 HAVAS, L. J., and BALDENSBERGER, A. The oncological aspect of the "immunity" of Colchicum to colchicine. Science 114:208-210. Ref. Aug.24,1951. 470 Sci2
- 73337 HESTER, H. B. Fundamental factors influencing the composition of tomato puree. Agron. J. 43: 400-402. Aug.1951. 4 Am34P
- Effect of fertilizers on composition of tomatoes.
- 73338 HSIANG, T. H. T. Physiological and biochemical changes accompanying pollination in orchid flowers. I. General observations and water relations. Plant Physiol. 26:441-455. Ref. July 1951. 450 P692
- 73339 ISKOL'DSKAIA, R. B. In regard to methods of biological investigation of fruit plantations. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok. 12:210-214. 1950. M875
- 73340 IWASAKI, T. Effects of double-grafting on the growth of Satsuma orange. I. (In Japanese.) Hort. Assoc. Japan. J. 19:143-149. Ref. June 1950. 87 H78
- English summary.
- 73341 JACKSON, W. D., and POLYA, J. B. Some biological effects of 1-phenyl-3,5-dimethyl-1,2,4-triazole. Austral. J. Sci. 13:149-150. Apr.1951. 475 Au72
- Effects on onion.
- 73342 JACOBS, W. P. The growth of peanut plants at various diurnal and nocturnal temperatures. Science 114: 205-206. Aug.24,1951. 470 Sci2
- 73343 JAEGER, P. Note préliminaire sur l'action d'un broyat de tubercule de Gloriosa simplex L. sur la germination du sorgho. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(1):437-440. 1945, pub.1950. 515 C762C
- 73344 JAKOB, H. Action de la colchicine sur certaines algues d'eau douce et comparaison avec l'action des substances métaboliques en provenance d'algues. Rév. Gen. de Bot. 58:348-352. June 1951. 450 R326
- 73345 JOSEPHSON, L. M. Effect of maleic hydrazide in delaying flowering in corn. Agron. J. 43:404-405. Aug 1951. 4 Am34P
- 73346 KANDLER, O. Über den einfluss von bodenbakterien und deren filtraten auf das wachstum in vitro kultivierter wurzeln. Arch. f. Mikrobiol. 15:430-438. Ref. 1951. 442.8 Ar26
- 73347 KAPOOR, G. P. Arrowing of sugarcane. Sugar Technol. Assoc. India. Proc. 18:1-5. 1949. 65.9 Su33P
- 73348 KARNATZ, H. Über die praktische anwendungs-möglichkeit der topographischen keimprüfungsmethode mittels 2-, 3-, 5-triphenyltetrazolumchlorid (nach Lakon) bei obstsämereien. Saatgut-Wirt. 3:82-84. Apr. 1951. 61.8 Sa1
- 73349 KENNEDY, B. The yellow top disease of flax. (In Swedish.) Lantmannen 35:600. Aug.4,1951. 11 L234
- 73350 KIEŁPINSKI, J., and SOŁTYS, J. A. Badania nad wpływem wartości osmotycznej środowiska na przebieg kiełkowania nasion koniczyzny czerwonej różnego pochodzenia; Investigations on the influence of osmotic value of the medium upon the process of germination of clover seeds of different origin. Akad. Umiej. Prace Roln.-Leśne 52:38 p. Ref. 1950. 20.5 K85
- English summary.
- 73351 KING, L. J., and KRAMER, J. A., JR. Studies on the herbicidal properties and volatility of some polyethylene and polypropylene glycol esters of 2,4-D and 2,4,5-T. Boyce Thompson Inst. Contrib. 16:267-278. Ref. Apr./June 1951. 451 B69
- 73352 KINNARD, M. A. L'influence des désinfectants sur la faculté germinative des semences. Agricultura [Louvain] 49:83-101. June 1951. 13 R32
- 73353 KLOSE, A. Water as a growth factor. Green Thumb [Denver] 8(8):20-24. Aug.1951. 80 G82
- 73354 KOYAMA, K. Ill effects of copper compounds to paddy rice plants. (In Japanese.) Jap. J. Plant Protect. 20:27-30. Feb.1951. 421 J27
- 73355 KRUCKEBERG, A. R. Intraspecific variability in the response of certain native plant species to serpentine soil. Amer. J. Bot. 38:408-419. Ref. June 1951. 450 Am36

- 73356 LAIBACH, F. Ein interessanter hemmstoff zur regulierung des pflanzenwachstums. Umschau 51: 297. May 15, 1951. 474 Um7
- 73357 LAMBETH, V. N. Some factors influencing pod set and yield of the lima bean. Mo. Agr. Expt. Sta. Res. B. 466, 60 p. Ref. Sept. 1950. 100 M693
- 73358 LEE, S., and LIN, K. S. Studies of the photo-periodic effect on sugarcane. (In Chinese.) J. Sugarcane Res. 4:241-256. Sept. 1950. 65.8 J822
English summary.
- 73359 LEIB, E. Auch pflanzen leben, regenerieren und brauchen medizinische hilfe. Gesunde Pflanzen 3: 15-16. Jan. 1951. 464.9 G33
- 73360 LEMÉE, G., and LAISNÉ, G. La méthode réfractométrique de mesure de la succion. Rev. Gén. de Bot. 58:336-347. Ref. June 1951. 450 R326
- 73361 LEROY, J. F. Le pacanier (*Carya illinoensis* (Wang.) K. Koch): morpho-biologie florale. Fructification. II. Fruits 6:267-279. Ref. July 1951. 80 F9492
- 73362 LEWICKI, S. Studia nad jarowizacją roślin. II. Studies on vernalization of plants. II. Lublin. U. M. Curie-Sklodowskiej. Ann. Sect. E 5, 203-220. 1950. 512 L96Ae
English summary.
Wheat, oats and barley.
- 73363 LINSER, H., and KAINDL, K. The mode of action of growth substances and growth inhibitors. Science 114(2951):69-70. July 20, 1951. 470 Sci2
In plants.
- 73364 LOH, C. S., and TSENG, P. M. A progressive report on the stalk growth of sugarcane in relation to its leaf blade area. II. (In Chinese.) J. Sugarcane Res. 4: 267-280. Oct. 1950. 65.8 J822
English summary
- 73365 LOU, C. H., YEN, L. F., and HSUEH, Y. L. The mechanism of 2,4-D action. I. 2,4-D seed treatment and its effects on subsequent growth of germinating seeds. Chin. J. Expt. Biol. 3:41-55. Ref. Oct. 1950. 442.8 C44
- 73366 LOU, C. H., and HSUEH, Y. L. The time course of recovery from the trapping action of Utricularia bladder. Chin. J. Expt. Biol. 3:63-66. Oct. 1950. 442.8 C44
- 73367 LUCHETTI, G., and TALLACHINI, M. E. Anomalies of coloration in apples and relation to potassium/sodium ratio. (In Italian.) Not. sulle Mal. delle Piante 12:30-35. Ref. Sept./Oct. 1950. 464.8 N84
- 73368 LUNDBLAD, K. Deficiency diseases of crops. Väst-Närings-Nytt 6(5):1-62. Ref. 1951. 57.8 V47
- 73369 LUNDEGÅRDH, H. G. Leaf analysis. An authorized translation by R. L. Mitchell of Die Blattanalyse. London, Hilger & Watts, 1951. 176 p. 463.34 L97Be
- 73370 MCALISTER, D. F., and KROBER, O. A. Translocation of food reserves from soybean cotyledons and their influence on the development of the plant. Plant Physiol. 26:525-538. Ref. July 1951. 450 P692
- 73371 MCGUIRE, W. S., and JACKOBS, J. A. The effect of cutting treatments on the carotene content of alfalfa in the Yakima Valley. Agron. J. 43:379-381. Ref. Aug. 1951. 4 Am34P
- 73372 MCILRATH, W. J. The adaptability of several histological techniques to the preparation of P32 radioautographs from plant tissues. Iowa Acad. Sci. Proc. 57:135-140. Ref. 1950. 500 Io93
- 73373 MCILRATH, W. J. Effect of methoxone on young cotton plants. Tex. Agr. Expt. Sta. Prog. Rpt. 1377, 2 p. June 8, 1951. 100 T31P
- 73374 MAC KEY, J. Chemical method for rapid determination of the germinability of seed. (In Swedish.) Nord. Jordbrförs. 1949/50:283-314. Ref. 1951. 11 N752
English summary.
- 73375 MAISURIAN, N. A. Changes in growth and development of lupine caused by yarovization. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok. 12:104-115. 1950. 20 M875
- 73376 MARAVALHAS, N. Ascorbic acid inhibitor of nitrate reduction in potato disks (preliminary note). (In Portuguese.) Dusenía 2:141-144. Mar. 31, 1951. 410 D94
English summary.
- 73377 MARRE, E. First researches on the action of phlorizin on higher plants. I-IV. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:1299-1309. Aug. 1950. 442.8 So12
- 73378 MARTIN, J. W., and GREENE, M. T. Temperature-induced sap flow in excised stems of *Acer*. Plant Physiol. 26:565-580. Ref. July 1951. 450 P692
- 73379 MAYAGOITIA DOMINGUEZ, H. Influencia del boro en la composición química, valor nutritivo y crecimiento de la alfalfa. Soc. Mex. de Hist. Nat. Rev. 11: 109-118. Ref. Dec. 1950. 516 So15
- 73380 MEHROTRA, B. S. Effect of certain hormones on growth and reproduction of some species of *Phytophthora*. Cur. Sci. 20:131-132. May 1951. 475 Sci23
- 73381 MEHTA, M. L., and JAIN, L. C. A simple method of rejuvenating plants and trees. India. Cent. Bd. Irrig. J. 7:421-422. July 1950. 55.9 In222C
Injections of copper sulfate, ammonium sulfate and soluble phosphates.
- 73382 MESA BERNAL, D. El hierro en la vida de las plantas. Agr. Trop. 6(7):43-48; (8):45-47. (Cont.) July 15-Aug. 15, 1950. 26 Ag8
- 73383 MESA BERNAL, D. Los micronutrientes o elementos trazas. Agr. Trop. 6(11):61-62. Nov. 1950. 26 Ag8
In plant nutrition.
Also in Agr. Venezol. 15(150):34. Mar./Apr. 1951. 9.95 Ag8
- 73384 MEYER-PIETSCHMANN, K. Lebendbeobachtungen an *Myxococcus rubescens*. Arch. f. Mikrobiol. 16:163-176. Ref. 1951. 442.8 Ar26
- 73385 MILLER, C. O., and MEYER, B. S. Expansion of *Chenopodium album* leaf disks as affected by coumarin. Plant Physiol. 26:631-634. July 1951. 450 P692
- 73386 MILLS, H. O., JR. Hormones help you improve apple quality. East. States Coop. 27(8):5-6. Aug. 1951. 280.28 Ea7
- 73387 MINERBI, G. Parthenocarp from frosts of pears. (In Italian.) Not. sulle Mal. delle Piante 12:25-30. Sept./Oct. 1950. 464.8 N84
- 73388 MITCHELL, J. W., SKAGGS, D. P., and ANDERSON, W. P. Plant growth-stimulating hormones in immature bean seeds. Science 114:159-161. Aug. 10, 1951. 470 Sci2
- 73389 MOEWUS, F., and SCHADER, E. Die wirkung von cumarin und parasorbinsäure auf das austreiben von kartoffelknollen. Z. f. Natforsch. 6b:112-115. Feb./Mar. 1951. 474 Z3
- 73390 MONOT, G. La filiosité. Pomme de Terre Franc. 14(141):6-8. June 1951. 75.8 P77
- 73391 MORETTINI, A. Influence of early leaf fall on flowering and fructification of the olive tree. (In Italian.) Ann. della Sper. Agr. (n.s.):547-479. Ref. 1951. 16 An76
English summary.
Defoliation chiefly by *Cycloconium oleaginum*.
- 73392 MOSTI, A. Preharvest drop of flowers and fruit of olives. (In Italian.) Spezia Agr. 6(7):2. July 1, 1951. 16 Sp3
- 73393 MOYSE, A. L'action des chlorates et l'action antagoniste des nitrates sur le métabolisme protéidique et glucidique d'organes et d'organismes végétaux. Rev. Gén. de Bot. 58:319-335. Ref. June 1951. 450 R326
- 73394 MOYSE, A. Respiration et métabolisme azoté (étude de physiologie foliaire). Paris, Hermann, 1950. 210 p. (Actualités Scientifiques et Industrielles, No. 1114) 463.34 M87
- 73395 MURNEEK, A. E. A better preharvest hormone spray is here. Mo. State Hort. Soc. Hort. News, July 1951:6-8. 81 M692H
"Color-Set 1004" (TCPP).
- 73396 MYERS, J., PHILLIPS, J. N., JR., and GRAHAM, J. R. On the mass culture of algae. Plant Physiol. 26:539-548. Ref. July 1951. 450 P692
- 73397 NAUNDORF, G., and SERRANO, C. Un nuevo tratamiento de las semillas para aumentar las cosechas. Agr. Trop. 6(11):9-17. Nov. 1950. 26 Ag8
Treatment with plant hormones and fertilizers.
- 73398 NAYLOR, J. M., and others. Uptake of P32 by some cereals. Canad. J. Bot. 29:329-338. Ref. Aug. 1951. 470 C16C
G. W. R. Walker, D. Murray, C. O. Person, J. W. T. Spinks, and T. J. Arnason, joint authors.
- 73399 NETIEN, G., BEAUCHÊNE, G., and MENTZER, C. Influence du "lait de maïs" sur la croissance des tissus de carotte in vitro. Acad. des Sci. Compt. Rend. 233:92-93. July 2, 1951. 505 P21
- 73400 NICKELL, L. G. Physiological research at the Brooklyn Botanic Garden. (Sum.) Holly Soc. Amer. Proc. 8:8-9. 1951. 97.31 H72P
- 73401 OKADA, M. Studies on the crown bud of *Chrysanthemums*. II. (In Japanese.) Hort. Assoc. Japan. J. 19:153-156. June 1950. 87 H78
- 73402 ORTIZ, A. A. Acción necesaria de la temperatura, en el desarrollo del ciclo vegetativo del trigo. Bolsa de Com. Rosario. Rev. 39(947):3-4. June 30, 1951. 287 R71

- 73403 OSBORNE, D. J., and WAIN, R. L. Plant growth-regulating activity in certain aryloxyalkylcarboxylic acids. *Science* 114:92-93. July 27, 1951. 470 Sci2
- 73404 OVERLAND, A., and RASMUSSEN, L. W. Some effects of 2,4-D formulations in herbicidal concentrations on wheat and barley. *Agron. J.* 43:321-324. July 1951. 4 Am34P
- 73405 PANKRATOVA, P. M. Growth and development of *Quercus* and *Pinus* seedlings at various degrees of soil moisture. (In Russian.) *Lesn. Khoz.* 4(3):33-36. Mar. 1951. 99.8 L5622
- 73406 PANTANELLI, E. Iron in plants and in agriculture. (In Italian.) *Bari U. Facoltà di Agr. Ann.* 7:25-58. Ref. 1950. 105.4 B232
Includes iron in soils and in plant physiology.
- 73407 PAYNE, M. G., FULTS, J. L., and HAY, R. J. Free amino acids in potato tubers altered by 2,4-D treatment of plants. *Science* 114:204-205. Ref. Aug. 24, 1951. 470 Sci2
- 73408 PILET, P. E. Répartition et variations des auxines dans les racines de *Lens culinaris* Medikus. *Experientia* 7:262-265. July 15, 1951. 475 Ex7
English summary.
Similar title in *Soc. Vaud. des Sc. Nat. Mém.* 10:137-244. 1951. 508 L37M
- 73409 PODTYKAN, Ā. P. The improvement of the sugar beet seeds. (In Russian.) *Sakh. Promysh.* 25(2):37-38. Feb. 1951. 65.8 Sa2
Chemical treatment.
- 73410 POHL, R. Die inaktivierung des maisskutellum-hemmstoffes durch koleoptilsitzen. *Biol. Zentbl.* 70:285-291. 1951. 442.8 B523
- 73411 POHL, R. Die wirkung von wuchsstoff und hemmstoff auf das wachstum der pollenschläuche von *Petunia*. *Biol. Zentbl.* 70:119-128. Ref. 1951. 442.8 B523
- 73412 PRICE, N. O., LINKOUS, W. N., and HILL, H. H. The absorption of minor elements by forage crops as influenced by fertilization and soils. *Va. Agr. Expt. Sta. Tech. B.* 117, 14 p. Ref. May 1951. 100 V81S
- 73413 RAALTE, M. H. VAN. Interaction of indole and hemi-auxins with indoleacetic acid in root formation. I. *Nederlands. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci.* 54:21-29. (Cont.) 1951. 442.9 Am8
- 73414 RAMMELT, P. P. Neue wachstumsregulatoren für pflanzen, ihre wirkung und anwendung. *Chem. Tech.* 3:148-150. Ref. May 1951. 384 C4283
- 73415 RAUTAVAARA, T. The influence of a lime factory on the mushroom vegetation. (In Finnish.) *Karstenia* 1:85. 1950. 451 K14
English summary.
Lime dust.
- 73416 RAWLINGS, G. B. The mycorrhizas of trees in New Zealand Forests. *Forest Res. Inst. Forest Res. Notes* 1(3):15-17. Jan. 1951. 99.9 W46
- 73417 ROBBINS, W. J., HERVEY, A., and STEBBINS, M. E. Further observations on *Euglena* and B12. *Torrey Bot. Club. B.* 78:363-375. Ref. Sept./Oct. 1951. 451 T63B
- 73418 ROBBINS, W. R. How plants use water and plant nutrients. (Sum.) *Holly Soc. Amer. Proc.* 8:11-12. 1951. 97.31 H72P
- 73419 ROBERTS, D. W. A. Physiological and biochemical studies in plant metabolism. III. The effects of starvation and mechanical stimulation on the respiratory metabolism of the first leaf of the wheat plant. *Canad. J. Bot.* 29:383-402. Ref. Aug. 1951. 470 C16C
- 73420 ROBERTSON, W. K., and BLUME, J. M. Use of Ca^{45} in determination of plant utilization of calcium from applied gypsum. *U. S. Bur. Plant Indus., Soils, & Agr. Engin. Res. Rpt.* 223, 5 p. June 15, 1951. 1.965 S4R312
- 73421 ROCA OLIVE, R., and ONDARZA VIDAUR-RETA, R. Papel de las enzimas en el proceso de la germinación. *Soc. Mex. de Hist. Nat. Rev.* 11:43-58. Ref. Dec. 1950. 516 S015
- 73422 ROLINSON, G. N. Zinc requirements of *Aspergillus niger*. *Nature [London]* 168:210. Aug. 4, 1951. 472 N21
- 73423 RUI, D. Details and studies on epidemic dwarfism of corn. (In Italian.) *Not. sulle Mal. delle Piante* 12:35-45. Sept./Oct. 1950. 464.8 N84
- 73424 SAITO, K. Studies on inducing polyploid flower plants and their utilization. II. On several polyploid plants of *Cynoglossum*, *Coreopsis*, *Dianthus* and others. (In Japanese.) *Hort. Assoc. Japan. J.* 19:107-112. June 1950. 87 H78
English summary.
Use of colchicine.
- 73425 SANFORD, G. B., and DAVIDSON, T. R. Effect of 2,4-dichlorophenoxyacetic acid vapour on tomato plants in a greenhouse. *Sci. Agr.* 31:368-371. Aug. 1951. 7 Sci2
- 73426 SANTA MARIA P., R. Las hormonas en la agricultura. *Tierra [México]* 6:209-211, 251. Apr. 1951. 8 T445
- 73427 SARKAR, S. M., and GHOSH, B. N. Effects of temperature and short day length on acceleration of flowering in winter rice. (Abs.) *Indian Sci. Cong. Proc.* 36(3):145. 1949. 513 In22
- 73428 SCARTH, G. W., and SHAW, M. Stomatal movement and photosynthesis in *Pelargonium*. II. Effects of water deficit and of chloroform: photosynthesis in guard cells. *Plant Physiol.* 26:581-597. Ref. July 1951. 450 P692
- 73429 SCHENCK, R. Bedingungen und gang der photosynthese. *Naturwissenschaften* 38:280. June 15, 1951. 474 N213
- 73430 SCHÖNBRUNNER, J. Über die empfindlichkeit verschiedener kulturpflanzen und unkrauter gegen chemische unkrautbekämpfungsmittel. *Pflanzenarzt* 4(4):2-6. Apr. 1, 1951. 464.9 P482
- 73431 SCHOU, L. Use of tagged atoms in studies of the chemistry of photosynthesis. (In Danish.) *Dansk Tidsskr. f. Farm.* 25:198-217. Ref. June 1951. 396.8 D23
- 73432 ŠEFRÁNEK, B. The influence of the hydrogen peroxide on the germinative faculty, growth and evolution of different sorts and varieties of plants. (In Czech.) *Českoslov. Akad. Zeměděl. Sborn.* 23:320-327. Ref. Mar. 1951. 19.5 C332C
English summary.
- 73433 SELLKE, K. Die einwirkung des hexachlorcyclohexans auf die pflanzen und auf den geschmack von erntegut. *Nachrb. f. den Deut. Pflanzenschutzdienst (n.s.)* 4:41-46. Ref. Mar. 1951. 464.9 N11
- 73434 SHAUMIAN, I. K. Preparation of seed potatoes before planting. (In Russian.) *Sad i Ogorod* 2:72-73. Feb. 1951. 80 Sa13
Vernalization.
- 73435 SHEE, B. W. A preliminary report on the germination of sugarcane. 4. The effect of ammonium sulphate in germination. (In Chinese.) *J. Sugarcane Res.* 4:281-288. Oct. 1950. 65.8 J822
English summary.
- 73436 SIDERIS, C. P., and YOUNG, H. Y. Growth of *Ananas comosus* (L.) Merr., at different levels of mineral nutrition under greenhouse and field conditions. II. Chemical composition of the tissues at different growth intervals. *Plant Physiol.* 26:456-474. Ref. July 1951. 450 P692
- 73437 SINEPOL, M. F. The effect of heat treatment of seed on the development of alfalfa. (In Russian.) *Selek i Semenovod.* 1951:57-64. Jan. 1951. 61.9 Se5
- 73438 SIVORI, E. M. La degeneración de la papa. *Cien. e Invest.* 7:291-302. Ref. July 1951. 475 C482
- 73439 SOMERS, G. F., KELLY, W. C., and HAMNER, K. C. Influence of nitrate supply upon the ascorbic acid content of tomatoes. *Amer. J. Bot.* 38:472-475. Ref. June 1951. 450 Am36
- 73440 STEWART, W. S., KLOTZ, L. J., and HIELD, H. Z. Many uses for plant hormones. *Citrus Leaves* 31(8):14, 42. Aug. 1951. 80 C492
2,4-D useful in cutting preharvest drop and dieback, raising water spot resistance and increasing fruit size of Washington navel oranges.
- 73441 STONER, W. N. A 2, 4-D chemical causes unusual injury to cabbage. *Plant Dis. Rptr.* 35:327-328. July 15, 1951. 1.9 P69P
- 73442 STREHLER, B., and ARNOLD, W. Light production by green plants. *J. Gen. Physiol.* 34:809-820. Ref. July 20, 1951. 447.8 J822
- 73443 STUART, N. W., and ROCKE, R. M. Poinsettia nutrition: experiments designed to determine reasons for poor growth. *Florists' Rev.* 108(2804):25-26. Aug. 23, 1951. 80 W41
Also in *Florists' Exch.* 117(7):10-11. Aug. 18, 1951. 80 F666; *South. Florist & Nurseryman* 64(23):78, 80-82. Aug. 31, 1951. 80 S086
- 73444 SUBBIAH, B. V. Inter-ionic relationships in plants and their seeds. *Cur. Sci.* 20:161. June 1951. 475 Sci23
- 73445 SUGIYAMA, T., and IWATA, M. Hunger signs in several vegetable crops. (In Japanese.) *Hort. Assoc. Japan. J.* 19:113-124. Ref. June 1950. 87 H78
English summary.

- 73446 SWANSON, A. F. The relationship of rainfall and other climatic factors to crop production in the Central Great Plains. *Agron. J.* 43:397-400. Aug. 1951. 4 Am34P
- 73447 SWANSON, C. A., and BÖHNING, R. H. The effect of petiole temperature on the translocation of carbohydrates from bean leaves. *Plant Physiol.* 26:557-564. July 1951. 450 P692
- 73448 TAMM, C. O. Chemical composition of birch leaves from drained mire, both fertilized with wood ash and unfertilized. *Svensk Bot. Tidskr.* 45:309-319. Ref. 1951. 450 Sv2
- 73449 TAMES, P. M. L. Bleeding of and sieve tube transport in palm trees. *Nederlands. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci.* 54:30-31. 1951. 442.9 Am8
- 73450 TATARINTSEV, A. S., and SOKOLOVA, E. P. On the importance of the perianth for pollen grain germination. (In Russian.) *Priroda* 40:67-68. Jan. 1951. 410 P933
- 73451 TELLEZ MOLINA, R. El ahijamiento del trigo. Spain. Min. de Agr. Serv. de Capacitación y Pro-pag. Hojas Divulg. 22, 12 p. Dec. 1950. 15 H68
- 73452 TER HAAR, H. G. Signs of magnesium deficiency in fruit culture. (In Dutch.) *Boer en Tuinder* 5 (234):8. July 14, 1951. 12 B632
- 73453 THOMPSON, J. F., and STEWARD, F. C. Investigations on nitrogen compounds and nitrogen metabolism in plants. II. Variables in two-directional paper chromatography of nitrogen compounds: a quantitative procedure. *Plant Physiol.* 26:421-440. Ref. July 1951. 450 P692
- 73454 TIRELLI, M. Contribution to a knowledge of dwarfing in tobacco. (In Italian.) *Tabacco* 55:179-210. Ref. June 1951. 69.8 T115
- 73455 TULLIS, E. C. Spray chemicals on rice before harvest for even maturity and low moisture. *Crops & Soils* 3(9):26. Aug./Sept. 1951. 6 W55
- 73456 TWIGG, M. C., and LINK, C. B. Nutrient deficiency symptoms of Azaleas. *Ohio Florists' Assoc. B.* 259:2. Apr. 1951. 81 Ch36
- 73457 ULRICH, A. Sugar beets and climate; effects of night and day temperature and day length on beet growth and sugar production investigated. *Calif. Agr. [Calif. Sta.]* 5(6):3, 12. June 1951. 100 C12Cag
- 73458 URHAN, M. DE. Relaciones del agua en plantas de café. Cent. Nac. de Invest. de Café. Bibliot. B. Inform. 2(17):24-30. Ref. May 1951. 68.29 C332
- 73459 USHIROZAWA, K., and FUKUSHIMA, S. On the time of flower-bud differentiation of the major varieties of apple. (In Japanese.) *Hort. Assoc. Japan. J.* 19:125-133. June 1950. 87 H78
- English summary.
- 73460 VADE, S. Quel est l'avenir des cultures sans sol? *Vie à la Campagne* 40:144-146. Apr. 1951. 80 V67
- 73461 VAN CAUWENBERGHE, E. Résultats de l'emploi des hormones contre la chute de fruits et de quelques autres applications. *Fruit Belge* 19:94-96. June 1951. 80 F9493
- 73462 WALLACE, A. Does potash fertilizer reduce protein content of alfalfa? *Better Crops Plant Food* 35 (6):20-22, 38-41. June/July 1951. 6 B46
- 73463 WALLENFELS, K. Über wuchsstoffe für *Euglena gracilis* L. *Der aneurinbedarf.* *Z. f. Natforsch.* 5b:438-440. Nov./Dec. 1950. 474 Z3
- 73464 WARNER, R. M., SIMMONS, P., and PILGRIM, A. J. Effect of hormone sprays on yield of *Calimyrna* figs. *Calif. Fig Inst. Proc. Annu. Res. Conf.* 5:13-16. Mar. 16, 1951. 93.44 C122P
- 73465 WASSINK, E. C., WINTERMANS, J. F. G. M., and TJIA, J. E. Phosphate exchanges in *Chlorella* in relation to conditions for photosynthesis. *Nederlands. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci.* 54:41-52. Ref. 1951. 442.9 Am8
- 73466 WEINTRAUB, R. L., and others. A method for measurement of cell-elongation-promoting activity of plant growth-regulators. *Amer. J. Bot.* 38:435-440. Ref. June 1951. 450 Am36
- J. W. Brown, J. A. Throne, and J. N. Yeatman, joint authors.
- 73467 WETMORE, R. H., and MOREL, G. Sur la culture in vitro de prothalles de *Lycopodium cernuum*. *Acad. des Sci. Compt. Rend.* 233:323-324. July 23, 1951. 505 P21
- 73468 WILSON, R. D. Molybdenum deficiency in plants. *Agr. Gaz. N. S. Wales* 62:241-245. May 1, 1951. 23 N472
- 73469 WITHNER, C. L. Effects of plant hormones and other compounds on the growth of orchids. *Amer. Orchid Soc. B.* 20:276-278. May 1951. 80 Am329
- 73470 WITTWER, S. H., and HANSEN, C. M. The reduction of storage losses in sugar beets by preharvest foliage sprays of maleic hydrazide. *Agron. J.* 43:340-341. July 1951. 4 Am34P
- 73471 WOLF, D. Defoliants take the place of frost. *Successful Farming* 49(8):54, 56. Aug. 1951. 6 Su12
- Defoliants, including pentachlorophenol, for soybeans.
- 73472 WOLF, F. T. The cultivation of two species of *Entomophthora* on synthetic media. *Torrey Bot. Club. B.* 78:211-220. Ref. May/June 1951. 451 T63B
- 73473 WOODHEAD, C. E., and JACKS, H. Effect of proprietary plant growth substances on fruit set and development of tomatoes. *New Zeal. J. Sci. & Technol. B, Gen. Res. Sect.* 32:1-7. Mar. 1951. 514 N48B
- 73474 WOODS, M. W., and DUBUY, H. G. The action of mutant chondriogenes and viruses on plant cells with special reference to the plastids. *Amer. J. Bot.* 38:419-434. Ref. June 1951. 450 Am36
- 73475 WORTMAN, L. S., and RINKE, E. H. Seed corn injury at various stages of processing and its effect upon cold test performance. *Agron. J.* 43:299-305. Ref. July 1951. 4 Am34P
- 73476 ZANONI, G. Action of amino acids on respiratory and photosynthetic exchange in plants. I. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:1297-1298. Aug. 1950. 442.8 So12
- 73477 ZANONI, G. Embryo-cotyledon correlations during germination. I-II. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:1293-1296. Aug. 1950. 442.8 So12
- Experiments with peas.
- 73478 ZIEGLER, H. Über eine neue beeinflussung der sporangienentwicklung von *Phycomyces* durch paraffinöl. *Arch. f. Mikrobiol.* 15:428-429. 1951. 442.8 Ar26

BIOCHEMISTRY

- 73479 BERNHEIM, F., BUNN, C., and WILBUR, K. M. The thiobarbituric acid color reaction in plant tissues. *Amer. J. Bot.* 38:458-459. June 1951. 450 Am36
- 73480 BEROZA, M. Alkaloids from *Tripterygium wilfordii* Hook. - wilforine and wilfordine. *Amer. Chem. Soc. J.* 73:3656-3659. Aug. 1951. 381 Am33J
- 73481 BERTRAND, G., and SILBERSTEIN, L. Sur la teneur en manganèse des phanérogames. *Acad. des Sci. Compt. Rend.* 232:2386-2387. June 25, 1951. 505 P21
- 73482 BUDDÉ, W. M., and SHRINER, R. L. Exploratory studies on the constituents of *Scoparia dulcis* (Linn.). *Iowa Acad. Sci. Proc.* 57:161-164. 1950. 500 Io93
- 73483 BURTON, M. O., and LOCHHEAD, A. G. Studies on the production of vitamin B₁₂-active substances by microorganisms. *Canad. J. Bot.* 29:352-359. Ref. Aug. 1951. 470 C16C
- 73484 DANIELSSON, C. E. The breakdown of the high molecular reserve proteins of peas during germination. *Acta Chem. Scand.* 5:541-554. Ref. 1951. 385 Ac82
- 73485 DANIELSSON, C. E. Studies on a proteolytic enzyme from seeds of peas. *Acta Chem. Scand.* 5:791-804. Ref. 1951. 385 Ac82
- 73486 DEMERS, M. Les gradients d'acide ascorbique et de chlorophylle dans les tiges de *Solanum tuberosum* L. *Rev. Canad. de Biol.* 10:249-271. Ref. Aug. 1951. 442.8 R325
- English summary.
- 73487 DEMOLON, A., and ROZOWSKA, R. Observations sur les produits d'excrétion du *Bacterium radicicola* et leurs propriétés vitaminiques. *Acad. des Sci. Compt. Rend.* 233:217-220. July 16, 1951. 505 P21
- 73488 DUUREN, A. J., VAN. The extraction of the poisonous substances from the seeds of *Croton tiglium*. *Chron. Nat.* 106:466-474. Ref. Dec. 1950. 514 B31
- 73489 DVONCH, W., KRAMER, H. H., and WHISTLER, R. L. Polysaccharides of high-amylase corn. *Cereal Chem.* 28:270-280. Ref. July 1951. 59.8 C33
- 73490 EPHRUSSI, B., SLONIMSKI, P. P., and PERRODIN, G. La synthèse adaptative des cytochromes chez la levure de boulangerie. *Biochim. et Biophys. Acta.* 6(2):256-267. Ref. Nov. 1950. 381 B522
- 73491 FOLKES, B. F. Amino-acid interconversion during the germination of barley grains. *Biochem. J.* 49:xxvii. July 1951. 382 B52
- 73492 FREELAND, R. O. The green pigment and physiology of guard cells. *Science* 114:94-95. July 27, 1951. 470 Sci2
- 73493 GASPARIAN, A. G. The availability of vitamin C in the leaves of the bright American maple. (In Russian.) *Akad. Nauk Armianskoj SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:523-525. 1950. 20 Er4

- 73494 GATTY-KOSTYAL, M., and STAWOWCZYK, A. Teneur, qualité et durabilité des alcaloïdes dans l'ergot de seigle polonais et ses préparations. (Abs.) Akas. Umiej. Wydz. Mat.-Przyrodniczy. Compt. Rend. 1950(4/5): 21-22. Apr./May 1950. 512 K85C
- 73495 GIACANELLI, E. Researches on the content in catalase of various races of wheat. II. (In Italian.) Ann. della Sper. Agr. (n.s.):5:499-516. Ref. 1951. 16 An76
- English summary
- 73496 GOODWIN, T. W. The minor carotenoid components of the fungus *Phycomyces blakesleeana*. Biochem. J. 49:xxiii. July 1951. 382 B52
- 73497 HOROWITZ, B. Alkaloid production in plants and its significance to pharmacology and agriculture. Austral. J. Sci. 13:143-144. Apr. 1951. 475 Au72
- 73498 HUNT, G. E. A comparative chromatographic survey of the amino acids in five species of legume roots and nodules. Amer. J. Bot. 38:452-457. Ref. June 1951. 450 Am36
- 73499 JÄHNLE, G. Die wuchsstoffe in der kartoffelknolle. Bundesanst. f. Alpine Landwirt. Veröffentl. 4:1-11. Ref. 1951. 19 Ad5
- 73500 JANKE, A. Der mikrobielle abbau der amino-säuren. Arch. f. Mikrobiol. 15:472-499. Ref. 1951. 442.8 Ar26
- 73501 KARRER, P., and LEUMANN, E. Carotinoide aus den pollen von *Cyclamen persicum*. Helvet. Chim. Acta 34:1412-1414. 1951. 385 H36
- 73502 KELLENBARGER, S., and others. Inheritance of starch content and amylose content of the starch in peas (*Pisum sativum*). Agron. J. 43:337-340. Ref. July 1951. 4 Am34P
- V. Silveira, R. M. McCready, H. S. Owens, and J. L. Chapman, joint authors.
- 73503 KRISHNAN, P. S. Apyrases of moulds. Nature [London] 168:171. July 28, 1951. 472 N21
- 73504 KUNDU, A. K., and SEN, N. K. The active principles of *Corchorus olitorius* L. (jute leaves). Sci & Cult. 16:484. Apr. 1951. 475 Sci24
- 73505 KURODA, C., and UMEDA, M. The pigments and the related compounds in the outer skins of onion bulb. Sci. Res. Inst. J. 45(1236/1239):17-22. Mar. 1951. 513 T577
- 73506 LULLA, B. S. Studies in bacterial amylase. III. Influence of the concentration of the cultural nutrients on the formation of bacterial amylase. Biochim. et Biophys. Acta 7:244-250. July 1951. 381 B522
- 73507 MARINI-BETTOLO, G. B., and FALCO, M. R. Research on the pigments of the Mimosaceae of South America; naringenin of an *Acacia longifolia* of Rio del Plata. (In Italian.) Ann. di Chim. 41:221-226. Apr./May 1951. 385 An7
- 73508 MARRE, E., and FELICI, L. Curve for phosphorylase activity during the biologic cycle of the potato tuber. (In Italian.) Accad. Naz. dei Lincei. Cl. di Sci. Fis. Mat. e Nat. Atti. Rend. 9:111-115. Second Semes. 1950. 507 R66
- 73509 MELVILLE, J., and FRASER, J. G. Preparation of the cyanogenetic glucoside of white clover. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 33(1):56. June 1951. 514 N48A
- 73510 MICHELSON, A. M., DRELL, W., and MITCHELL, H. K. A new ribose nucleoside from *Neurospora*: "orotidine." Natl. Acad. Sci. Proc. 37:396-399. Ref. July 1951. 500 N21P
- 73511 MOEWUS, F., MOEWUS, L., and SCHADER, E. Vorkommen und bedeutung von blastokolinen in fleischigen fruchten. Z. f. Natforsch. 6b:261-270. Ref. July/Aug. 1951. 474 Z3
- 73512 MOTHES, K., and ROMEIKE, A. Über die anhäufung von alkaloiden in organen der speicherung und reproduktion. Biol. Zentbl. 70:97-113. Ref. 1951. 442.8 B523
- In plants.
- 73513 NORRIS, W. E., JR. Studies of onion root respiration. V. Biochim. et Biophys. Acta 7:225-237. Ref. July 1951. 381 B522
- 73514 PARIS, R. Sur un flavonoside des fleurs d'*Opuntia vulgaris* Miller. Acad. des Sci. Compt. Rend. 233:90-92. July 2, 1951. 505 P21
- 73515 PASTEELS, J., and LISON, L. Étude quantitative de l'acide désoxyribonucléique au cours de la formation du pollen chez *Tradescantia virginiana*. Acad. des Sci. Compt. Rend. 233:196-197. July 9, 1951. 505 P21
- 73516 POLLOCK, J. M., and GEDDES, W. F. The distribution of thiamine and riboflavin in the wheat kernel at different stages of maturity. Cereal Chem. 28: 289-299. Ref. July 1951. 59.8 C33
- 73517 POTGIETER, J. E. A spectrochemical method for the determination of potassium in organic and biological materials. Union So. Africa. Dept. Agr. Sci. B. 312, 10 p. 1950. 24 So84S
- 73518 PRATT, F. F. Chemical changes in Fuerte and Nabal avocados while maturing. Food Indus. So. Africa 4(2):35-36. June 1951. 389.8 F7372
- 73519 PRIESSNITZ, O. Bewährte heilkräfte aus dem chlorophyll. Orion 6:300-302. Apr. 20, 1951. 474 Or4
- 73520 SHIRK, H. G., and BYRNE, H. E. Effect of some nitrophenols on the respiration of *Myrothecium verrucaria* spores. J. Biol. Chem. 191:783-786. Ref. Aug. 1951. 481 J824
- 73521 SUNDARAM, E. R. B. S., RANGANATHAN, G., and SARMA, P. S. Studies on the inter-relationship among vitamins and amino-acids; influence of desoxypyridoxine on the bio-synthesis of nicotinic and ascorbic acids in germinating pulses. Cur. Sci. 20:122-124. Ref. May 1951. 475 Sci23
- 73522 THOMAS, M. Vegetable acids in higher plants. Endeavour 10:160-165. Ref. July 1951. 472 En2
- 73523 THORN, J. A., and HASKINS, R. H. Biochemistry of the Ustilaginales. V. Factors affecting the formation of ustilagic acid by *Ustilago zeae*. Canad. J. Bot. 29:403-410. Ref. Aug. 1951. 470 C16C
- 73524 TRUSZKOWSKA, W. Badania nad mykotrofizmem oraz zawartością glukozydów u trzech gat. *Digitalis* z naturalnych i sztucznych stanowisk. Recherches sur le mycotrophisme et le contenu de glucosides chez trois espèces de *Digitalis* dans les associations naturelles et dans les cultures. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. C 5:279-305. Ref. 1950. 512 L96Ac
- French summary.
- 73525 WERLE, E., and KOCH, J. Papierchromatographische trennung von tabakalkaloiden. Naturwissenschaften 38:333. July 15, 1951. 474 N213
- 73526 WILHARM, G., and HOLZ, G. Beitrag zur kenntnis des acroleins in obstbränden, maischen und mosten. 2. Arch. f. Mikrobiol. 15:403-413. 1951. 442.8 Ar26
- 73527 WILLIS, A. J. Synthesis of amino-acids in young roots of barley. Biochem. J. 49:xxvii-xxviii. July 1951. 382 B52
- 73528 YEMM, E. W. The cytoplasmic and chloroplast proteins of barley. Biochem. J. 49:xxvi-xxvii. July 1951. 382 B52
- 73529 YEMM, E. W. Methods of investigating the assimilation of nitrogen by barley roots. Biochem. J. 49: xxxi. July 1951. 382 B52

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

- 73530 AHLGREN, H. L. Fundamental principles versus facts in crops instruction. Agron. J. 43:367-371. Aug. 1951. 4 Am34P
- 73531 BAKSH, M. A. Farm forestry and fertility of agricultural lands. Pakistan J. Forestry 1:151-153. Apr. 1951. 99.8 P17
- Includes crop rotation.
- 73532 BATES, G. Trials with new legumes. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:154. Apr. 1, 1951. 65.9 Q3C
- 73533 BERENDES, P. Die bedeutung der fruchtfolge. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:996-997. July 5, 1951. 18 L2346
- 73534 BJÖRKLUND, C. M. Report on the local field experiments of the Agricultural Society in Kristianstad Province in the year 1949. (In Swedish.) Kristianstads Läns Hushållssk. Tidskr. 2:3-156. 1950. 11 K89
- 73535 BOCKMANN, H. Die aufgaben des pflanzen-schutzes bei der gestaltung von fruchtfolgen in landwirtschaftlichen betrieiben. Nachrbl. des Deut. Pflanzenschutzdienstes 3:11-13. Jan. 1951. 442.9 B832
- 73536 CHAVEZ VIAUD, M. Rotación de cultivos. Cent. Nac. de Agron. C. Agr. 34,4 p. Mar. 1951. 8 Sa54C
- 73537 DUMONT, R. Étude de quelques économies agraires au Sénégal et en Casamance. Agron. Trop. 6: 229-238. May/June 1951. 26 Ag86
- Crop culture and soil management.
- 73538 ELAGIN, I. N. The appearance of Salsk steppes is changing. (In Russian.) Les i Step' 2(11):81-87. Nov. 1950. 99.8 L565
- Chiefly on achievements of Stalin Collective Farm in practicing the crop rotation system of agriculture.

- 73539 GENNARI, G. Agricultural rotations. (In Italian.) *Lotte Contadine* 2(7):5. Apr.25,1951. 16 L91 Italy.
- 73540 HARLE, A. Zur frage der ertragssteigerung bei winterraps und winterrüben durch einsatz von honigbienen. *Nachrbl. des Deut. Pflanzenschutzdienstes* 3: 20-22. Ref. Feb.1951. 442.9 B832
- 73541 HAYES, H. K. Report—some changes in recommended varieties. *Minn. Seed Grower* 24(2):1-2. Apr.1951. 61.8 M66
Field crops.
- 73542 HODGSON, H. J., and others. Recommended varieties of field crops for Alaska, 1951. Alaska. Agr. Expt. Sta. C. 14,8 p. Feb.1951. 100 AL122E
S. C. Litzenger, B. M. Bensin, and J. E. Osguthorpe, joint authors.
- 73543 HOWALD, O. Die rationalisierung im bauernbetrieb. *Grüne* 79:501-519. May 4,1951. 17 Sch9 Switzerland.
- 73544 HUGHES, M. A sound crop rotation is a farming essential. *Beet Grower* 5:119-121. July 1951. 66.8 B392
- 73545 IDAHO CROP IMPROVEMENT ASSOCIATION. Idaho rules for certification: alfalfa, clovers, grasses, beans, corn, grains, safflower, onions, potatoes. *Rev. Boise*, 1951. 52 p. 61.9 I13
- 73546 KOOPMANS, T. C., ed. Activity analysis of production and allocation; proceedings of a conference. New York, Wiley, 1951. 404 p. (Cowles Commission for Research in Economics, Monograph No. 13) 280 K832
Ch. XI, On the choice of a crop rotation plan, by C. Hildreth and S. Reiter, p. 177-188, applies a linear production model to selection of a crop rotation plan by the farmer.
- 73547 LAIKOV, N. Z. Utilization of grass field [in crop rotation]. (In Russian.) *Sovet. Agron.* 9(4):42-52. Apr.1951. 20 So84
Experiments with potatoes and wheat.
- 73548 MANITOBA AGRONOMISTS. Field crop varieties recommended for Manitoba 1951. Winnipeg, 1951. 4 p. 64.9 Ag8F
- 73549 MÜLLER. Gedanken zum zwischenfruchtbau.. *Landwirtsbl. Weser-Ems* 28:609-611. July 12,1951. 18 L2345
- 73550 QUÉBEC. CONSEIL PROVINCIAL DES SEMENCES. Liste des variétés recommandées pour les différentes récoltes de grande culture dans Québec. Québec, 1951. 6 p. 7 Q3Cg
Field crops.
- 73551 REICH, H. Erfahrungen im zwischenfruchtbau. *Deut. Landwirt. Presse* 74:176. July 7,1951. 18 D482
- 73552 SABLIN, I. F. How we are promoting the grass-field crop rotation system of agriculture. (In Russian.) *Les i Step'* 2(10):84-89. Oct.1950. 99.8 L565
Pervaya Pfitiletka Collective Farm in Buzulukskii District, Chkalov Region.
- 73553 SACHS, E. Zur frage der aussaatmengen bei landwirtschaftlichen feinsämereien. *Saatgut-Wirt.* 3: 107-108. May 1951. 61.8 Sa1
- 73554 SCARSETH, G. D. X-tra yield farmers. *Ohio Farm Bur. News* 30(12):14,27. July 1951. 6 Oh34
Plan to recognize farmers who produce extra yields and experiments with corn and alfalfa for extra yields.
- 73555 SPENNEMANN, F. Auswertung von sortenversuchsergebnissen. *Neue Mitt. f. die Landwirt.* 6:450. July 7,1951. 18 N39
Germany.
- Cereals**
- 73556 ALABAMA. AGRICULTURAL EXPERIMENT STATION. Corn varieties for Alabama; a report of results from 1950 tests at 15 locations in the State, with yield averages for 1948-1950. Auburn, 1951. 12 p. 59.9 AL12
- 73557 ALBERTA VARIETAL ZONATION COMMITTEE. Varieties of grain for Alberta. Edmonton, 1951. 8 p.-folder. 64.9 AL1
- 73558 ATKINS, I. M. Quana wheat. *Tex. Agr. Expt. Sta. B.* 734,10 p. May 1951. 100 T31S
- 73559 ATKINS, I. M. Small grain variety tests in the Rolling Plains area of Texas. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1373,5 p. May 23,1951; 100 T31P
- 73560 BECKER, W. R. Matsernte in Holland. *Grüne* 79:531-534. May 11,1951. 17 Sch9
- 73561 BRIND, S. Seeds of Triticum timopheevi during the planting year. (In Russian.) *Selek. i Semenovod.* 1951:80. Jan.1951. 61.9 Se5
- 73562 BROGGI, E. The provincial competition for increase of wheat production, 1949-50 season. (In Italian.) *Campagna Milan.* 20:1-2. Oct.31,1950. 16 C153
- 73563 BRYNER, C. S. Pennoll—the new wheat. *Sci. Farmer [Pa. Sta.]* 1951:1. June 1951. 100 P381
- 73564 CALMA, V. C., REYES, F. C., and CRUZ, M. DE LA. Tests of selected strains of *Elon-elon* and *Guinangang*. *Philippine Agr.* 34:42-45. July/Sept.1950. 25 P542
Rice.
- 73565 CAMPI, L. Hybrid American corn, 1950 season. (In Italian.) *Campagna Milan.* 21:1-2. Nov.15,1950. 16 C153
- 73566 CHEVALIER, R., DENOY, I., and BENOIST, M. Rizière expérimentale du Merle, 1950. *Prog. Agr. et Vitic.* 1951:336-343. (To be cont.) June 17/24,1951. 14 P94
- 73567 CHUBARIAN, T. G. Ecological species of local wheat. (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:905-915. 1950. 20 Er4
- 73568 CORN IMPROVEMENT CONFERENCE OF THE NORTH CENTRAL REGION, 12, WEST LAFAYETTE, INDIANA, 1951. 1951 report. Beltsville, Md., 1951. 19 p. 59.9 C81
- 73569 CROCIONI, A. Reaping of wheat in relation to degree of maturity. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:164-165. June 15,1951. 16 C72
- 73570 CUCALÓN TEJEIRO, E. Variedades de trigo recomendables. *Cult. Mod.* 34:136-138. Apr.1951. 15 C89
Spain.
- 73571 DELPECH, R. Les problèmes que pose en France l'extension de la culture du maïs-grain dans les régions septentrionales. *Sol* 63:91-94. Ref. 1951. 14 So4
- 73572 DOMINGUEZ V., R. Maíz híbrido. *Cent. Nac. de Agron. C. Agr.* 31,5 p. Feb.1951. 8 Sa54C
- 73573 DU COURTIL, A. Effectuez les essais de germination du maïs. *Vie à la Campagne* 40:153-154. Apr.1951. 80 V67
- 73574 DUMEIGE, A. Le programme d'amélioration de la production du blé dur en Tunisie. *Inform. Marocaine* 538:4. May 5,1951. 281.8 In3
- 73575 DUMONT, R. Le maïs aux Etats-Unis. *Sol* 63: 84-86. 1951. 14 So4
Culture.
- 73576 DUONG-HUU-THOI. Biologie et croissance du riz dans le Bassin du Moyen-Niger. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(1):434-436. 1945, pub.1950. 515 C762C
- 73577 FABBRI, A. Experimental observations on grain injury to corn. (In Italian.) *Genio Rur.* 14:43-59. Jan./Feb.1951. 281.8 R522
Estimation of damage.
- 73578 FENAROLI, L. Maïs ibridi prodotti in Italia: Insubria 156 e 2201 [Hybrid corn produced in Italy: Insubria 156 and 2201]. *Sta. Sper. di Maiscolt. Opusc.* 60, 10 p. 1951. 105.4 B453
- 73579 FENAROLI, L. Norme per la coltivazione dei maïs ibridi, campagna 1951 [Rules for the cultivation of hybrid corn, 1951 season]. *Sta. Sper. di Maiscolt. Opusc.* 61,8 p. 1951. 105.4 B453
- 73580 FRENCH WEST AFRICA. OFF. DU NIGER. Études agronomiques sur le riz au Soudan français effectuées par le Service Agronomique de l'Office du Niger. Paris, 1950. 64 p. 59.24 F88
- 73581 GERICH, W. VON. The season's grain seed. (In Swedish.) *Labor [Helsingfors]* 35:6-7. Feb.5,1951. 20 L11
Viability of Finnish seed.
- 73582 GEROEY, M. IA. A new species of mountain-forest buckwheat. (In Russian.) *Selek. i Semenovod.* 1951:79-80. Jan.1951. 61.9 Se5
- 73583 GUARD, S. R. Between the cornrows. *Breeder's Gaz.* 116(8):13,47. Aug.1951. 49 B74
Cover crops.
- 73584 GUICHARD, H. Notes sur la culture du maïs hybride au Nord de la Loire. *Sol* 63:95-101. 1951. 14 So4
- 73585 GUSTAFSON, P. R. A rapid method for determining the viability of barley. *Cereal Chem.* 28:343-346. July 1951. 59.8 C33
- 73586 HAUSSMANN, G. Les sorghos. *Terre d'Oc* 33: 205-207. June 1951. 14 Ar5
Varieties.
- 73587 HIRSCCHORN, J. El arroz en las islas del Delta Paranaense; ensayos demostrativos de su cultivabilidad. *Chacra* 21(248):10-11,68. July 1951. 9 C34

- 73588 HUGHES, D. El sorgo, cereal maravilloso. *Tierra* [Mexico] 6:401-403. July 1951. 8 T445
- 73589 HUNTER, H. Barley in East Anglia. *Gt. Brit. Min. Agr. Agriculture* 58:164-166. July 1951. 10 G79J
- 73590 HUTCHCROFT, C. D., and ROBINSON, J. L. 1950 Iowa corn yield test. *Iowa. Agr. Expt. Sta. B. P-110:691-736*. Feb. 1951. 59.9 Io9
- 73591 JONES, D. F., and EVERETT, H. L. Field corn report, Mt Carmel and Windsor, Connecticut, 1950. *Conn. (State) Agr. Expt. Sta. Rpt. Prog.* 50G1, 5 p. Jan. 2, 1951. 100 C763
- Hybrid corn tests.
- 73592 KOL'TSOVA, Z. A. Separate planting of seeds fractionated on a grain cleaner as a method for increasing yields. (In Russian.) *Sovet. Agron.* 9(4):59-66. Apr. 1951. 20 So84
- Experiments with wheat.
- 73593 KORNILOV, A. A. Concerning the increase of wheat grain size in selection work. (In Russian.) *Selek. i Semenovod.* 1951:24-29. Jan. 1951. 61.9 Se5
- 73594 LE CONTE, J. Le maïs hybride aux états-unis d'amérique. *Inst. des Rech. Agron. de l'Indochine. Arch.* 5, 190 p. Sept. 1950. 22.5 Sa22
- 73595 LEIBOFF, R. O. Cruzamiento artificial en sorgos. *Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunion de Plantas Forrajeras* 3:77-83. 1950. 60.9 P41
- Includes discussion.
- 73596 LITZENBERGER, S. C. Edda, a new barley for Alaska. *Alaskan Agr.* 3:7, 22. Mar. 1951. 6 AL16
- 73597 LONNQUIST, J. H. Recurrent selection as a means of modifying combining ability in corn. *Agron. J.* 43:311-315. Ref. July 1951. 4 Am34P
- 73598 LUCHSINGER, MADORIN & CIA. Practical guide for wheat planting. (In Portuguese.) *Lav. Arroz.* 5(50):27. Feb. 1951. 59.8 L39
- 73599 MANGELSDORF, P. C. Hybrid corn. *Sci. Amer.* 185(2):39-47. Aug. 1951. 470 Sci25
- 73600 MARINELLI, R. Analytical control of wheat hybrids. (In Italian.) *Chimica* 6:148. Apr. 1951. 385 C445
- 73601 MEDINA, G. Monograph on rice culture. (In Portuguese.) *Lav. Arroz.* 5(53):25, 27-30, 32. May 1951. 59.8 L39
- 73602 MICHELI, E. Reaping: hard labor. (In Italian.) *Lotte Contadine* 2(11):5. June 25, 1951. 16 L91
- 73603 MIDDLETON, G. K., and others. Arlington oats in North Carolina. *N. C. Agr. Expt. Sta. Spec. C.* 15, 7 p. May 1951. 100 N81Sp
- T. T. Hebert, H. L. Cooke, and W. P. Byrd, joint authors.
- 73604 MILLER, P. A., and BRIMHALL, B. Factors influencing the oil and protein content of corn grain. *Agron. J.* 43:305-311. Ref. July 1951. 4 Am34P
- Breeding.
- 73605 MOLLARD, G. L'évolution de la culture et de la production du blé en Algérie de 1830 à 1939. Paris, Editions Larose, 1950. 127 p. (Comité Central pour la Commemoration de la Revolution de 1848 en Algérie. Publication. t. 2) 59.22 M732
- 73606 MONTANARI, V. Cultivation of corn in Venezia. (In Italian.) *Agr. delle Venezie* 5:187-200. Apr. 1951. 16 Ag826
- 73607 NEBRASKA GRAIN IMPROVEMENT ASSOCIATION. Improving the quality of Nebraska's grain; thirteenth annual report of progress & activities, February 1951. Lincoln, 1951. 40 p. 59.9 N273
- 73608 NORTHEASTERN CORN IMPROVEMENT CONFERENCE, 6, NEW BRUNSWICK, 1951. Beltsville, 1951. 27 p. 59.9 N815
- Reported by W. R. Findley, Jr.
- 73609 OBSERVATIONS sur le maïs hybride et l'intérêt de sa culture en Algérie. *Soc. des Agr. d'Algérie. B.* 95: 146-153. 1950/51. 24 So1
- 73610 ONTARIO AGRICULTURAL COLLEGE. Winter wheat improvement in Ontario, eighth annual report, 1950 crop. n.p., 1951. 39 p. 59.9 On82A
- 73611 PARRA ARCE, J. Algunos problemas arroceros de Colombia. *Agr. Trop.* 6(7):19-21. July 15, 1950. 26 Ag8
- Cultural problems.
- 73612 PÉQUIGNOT, R. Le maïs-grain et sa culture dans la moitié nord de la France. *Motorisation Agr.* 6: 183, 185, 187, 189. Mar. 1951. 58.8 M85
- 73613 PFEIFFER, R. Ergebnisse langjähriger getreidesortenversuche im alpinen raum. *Bundesanst. f. Alpine Landwirt. Veröffentl.* 4:20-42. 1951. 19 Ad6
- 73614 PUGSLEY, A. T. Fifty years of wheat improvement in South Australia. *So. Austral. Dept. Agr. J.* 54: 435-440. Apr. 1951. 23 So84
- Wheat breeding.
- 73615 QUISENBERRY, K. S. How good can we make our grain crops? Despite many high-yielding varieties, research men know we are only one step ahead in the eternal, no-quarter battle against diseases, insects, vagaries of climate. Here is a program for national safety. *Country Gent.* 121(8):19, 64, 66-67, 69. Aug. 1951. 6 C833
- Breeding program.
- 73616 RAGAZZI, G. Wheat varieties from the old to the new. (In Italian.) *Agr. Ferrarese* 54:233-238. Nov. 30, 1950. 16 Ag87
- 73617 SCHRODER, and JAHNKE. Umfang der saaten-erkennung bei hafer im bereich der Landwirtschaftskammer Weser-Ems unter berücksichtigung der sortenfrage. *Saatgut-Wirt.* 3:58-59. Mar. 1951. 61.8 Sa1
- 73618 SELUNI, A. Jesurut 'ikrim la- mifil tiras kol'ais [Cross breeding of corn]. Tel Aviv, Hadash, 1950. 17 p. 59.22 Se4
- 73619 SEMBIANTI, R. Survey of cultural technique of grain. (In Italian.) *Seme* 2:199-202. Sept. 1950. 16 Se5
- 73620 STAZIONE SPERIMENTALE DI MAISCOLTURA. Rapporto sulla sperimentazione maidicola 1949 [Report on corn culture research 1949]. Sta. Sper. di Maiscolt. Opusc. 59, 44 p. 1950. 105.4 B453
- 73621 STEINEMANN, E. G. The cultivation of the grain, adlay. (In Portuguese.) *Bras. Açucareiro* 36:587-588. Nov./Dec. 1950. 65.8 B73
- 73622 STRAND, E. The fall grain. (In Norwegian.) *Norsk Landbr.* 17:285-287. Aug. 3, 1951. 11 N8122
- 73623 STURLAUGSON, V. Durum growing in the United States. *Macaroni J.* 33(3):30-33. July 1951. 298.8 N46
- 73624 SUISSE, P. Amélioration et extension de la culture du blé dur au Maroc. *Inform. Marocaine* 538:4. May 5, 1951. 281.8 In3
- 73625 THIELEBEIN, M. Neue getreidebauverfahren—kritisch betrachtet. *Neue Mitt. f. die Landwirt.* 6:434-435, 447-448. June 30-July 7, 1951. 18 N39
- 73626 TINGLEFF, N. Cutting of grain and seed crops. (In Danish.) *Tolvmandsbladet* 23:207-208. July 1951. 11 T58
- 73627 TORCHIAN, A. K. Results of variety testing of winter wheat of strain 22/23. (In Armenian.) *Akad. Nauk Armianskoj SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:511-516. 1950. 20 Er4
- Russian summary.
- 73628 TORPE, N. V. Results of experiments with spring wheat at the Värmland Branch of the Swedish Seed Association 1925-1950. (In Swedish.) *Sveriges Utsädesför. Tidskr.* 61:95-99. 1951. 61.9 Sv23
- 73629 TSEDIK-TOMASHEVICH, Z. F. Concerning the interspecific relationship of grain plants. (In Russian.) *Selek. i Semenovod.* 1951:14-23. Jan. 1951. 61.9 Se5
- 73630 U. S. BUR. OF AGRICULTURAL ECONOMICS. Planting and fertilizing corn, by A. P. Brodell and J. C. Scholl. Washington, 1951. 8 p. 1.941 L6F22
- 73631 VIGIL, C. C. El maíz, fabuloso tesoro. *Habano* 17(5):6-7. May 1951. 69.8 It11
- 73632 VOGEL, O. A., SWENSON, S. P., and HOLTON, C. S. Brevor and Elmar—two new winter wheats for Washington. *Wash. Agr. Expt. Sta. B.* 525, 8 p. May 1951. 100 W27E
- 73633 WADDELL, W. H. Improvement work by the Ontario Agricultural College. *Ontario. Agr. Col. Winter Wheat Impr. Ontario. Annu. Rpt.* 8:2-6. Apr. 1951. 59.9 On82A
- 73634 WÄLSTEDT, I. Wheat breeding at Ostgöta Branch of the Swedish Seed Association. *Sveriges Utsädesför. Tidskr.* 61:63-94. 1951. 61.9 Sv23
- 73635 WATKINS, J. M., and ARGUETA, J. M. Cultivo y almacenaje del maíz en El Salvador. *Cent. Nac. de Agron. C. Agr.* 14, 6 p. June 1950. 8 Sa54C
- 73636 WELLHAUSEN, E. J. El maíz híbrido y su utilización en México. *Tierra* [Mexico] 6:405-407, 437-439. (Cont.) July 1951. 8 T445
- 73637 WEST, H. I. Gulf Coast is talking oats. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(8):15, 75. Aug. 1951. 6 P945G
- Culture, varieties and yield.
- 73638 WHITESIDE, A. G. O., HOEGSTEDT, B. S., and MACTAVISH, D. A. Improvement work by the Dominion Experimental Farm Service. *Ontario Agr. Col. Winter Wheat Impr. Ontario. Annu. Rpt.* 8:7-14. Apr. 1951. 59.9 On82A

- 73639 WUNDERLICH, G. Blüten und fruchten des roggens. Pflug 4:101-103. May 1951. 19 P48
 73640 ZUBER, M. S., and GROGAN, C. O. Corn hybrids adapted for Missouri. Mo. Agr. Expt. Sta. B. 546,12 p. Feb.1951. 100 M693
 73641 ZUCCHINI, M. Toward the new grain season. (In Italian.) Agr. Ferrarese 54:165-167. Aug.31,1950. 16 Ag87
 Wheat culture.

Fiber Crops

- 73642 ALABAMA. AGRICULTURAL EXPERIMENT STATION. Results of 1950 cotton variety tests in Alabama, by H. B. Tisdale and A. L. Smith. Auburn, 1951? 8 p. 100 AL1R
 73643 ALLISON, R. V. Long Florida days spur growth of fiber plant, kenaf. Fla. Grower 59(8):9-10. Aug.1951. 80 F6622
 73644 ANDREWS, O. N., and RUFFIN, W. A. Make more cotton. Ala. Polytech. Inst. Agr. Ext. C. 419,4 p. Feb.1951. 275.29 AL1C
 Chiefly culture.
 73645 BROWN, C. H. Worms, weeds and walads. Egypt. Cotton Gaz. 13:27-30. May 1951. 72.8 Eg9
 73646 CAPPELLETTI, A. Hemp: white gold of Italy. (In Italian.) Lotte Contadine 2(7):8-9. Apr.25,1951. 16 L91
 Culture and processing.
 73647 COOPERATIVE FIBER COMMISSION. Kenaf: producing it for fiber and for seed, by J. E. Walker. Washington, U. S. Off. Foreign Agr. Relat., 1951. 9 p. 1.943 K332
 Cuban Ministry of Agriculture cooperating.
 73648 FAURE, A. La ramie peut-elle être exploitée en France? Rev. Internat. des Prod. Colon. 26:87-88. Apr.1951. 286.8 R326
 73649 GUTIERREZ, H. P. Algo mas sobre el yute. Bolsa de Com. Rosario. Rev. 39(947):5-8. June 30,1951. 287 R71
 Culture and processing.
 73650 KEERSBULCK, A. G. VAN. A good idea, flax study circles. (In Swedish.) Lin 5:80-82. June 1951. 73.18 L63
 English summary, p.84.
 73651 KELLERMANN, J. La culture du coton en Californie. Coton et Fibres Trop. 6:105-114. Ref. June 1951. 73.8 C82
 73652 LABRIEGO, J. El "kenaf" y la "rosella." Asoc. Gen. de Agr. B. 297:5,7. June 30,1951. 8 As52
 Hibiscus cannabinus and H. sabdariffa.
 73653 LOVERING, F. W. Romance of kenaf in Florida. Fla. Grower 59(8):10,14. Aug.1951. 80 F6622
 73654 MARTINS, R. G. São Gonçalo dos Campos, cotton zone. (In Portuguese.) Brazil. Min. de Agr. B. 35 (7/12):1-19. July/Dec.1946, pub.1950. 9.2 Ag83
 Culture.
 73655 MILEY, D. G. The modern textile industry. 1. Cotton growing. In Glover, J. G., and Cornell, W. B., eds. The development of American industries, Ed. 3, p.156-166. New York, Prentice-Hall, 1951. 277.12 G51
 73656 POOLE, A. L., and BOYCE, W. R. Studies of Phormium management, Moutoa Estate, Foxton. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 31:1-22. Dec.1949, pub. Dec.1950. 514 N48A
 New Zealand fiberlily.
 73657 PRENTICE, A. N. Notes on cotton in Sierra Leone. Empire Cotton Growing Rev. 28:178-182. July 1951. 72.8 Em7
 73658 RODRIGUES, C. The processing of cotton bolls with the planting of the seed in the ground. (In Portuguese.) Rev. dos Mercados 2(5):78-79. Jan.1951. 286.8 R328
 Culture and processing.
 73659 ROSSIN, M. Les possibilités de la culture cotonnière au Maroc. Rev. Internat. des Prod. Colon. 26: 84-86. Apr.1951. 286.8 R326
 73660 SAINT-QUENTIN, M. La culture du chanvre ne doit pas disparaître. Rustica 24:646. July 15,1951. 14 R92
 Culture and processing in France.
 73661 SAMUELIDES, S. J., and KORTZAS, C. Le coton en Grèce. Coton et Fibres Trop. 6:95-103. (Cont.) June 1951. 73.8 C82
 73662 TREW, E. M. Cotton defoliation may be profitable. Tex. Farming & Citricult. 28:15. July 1951. 80 T31

- 73663 WALLY-VAN VREESWIJK, A. C. De cultuur, winning en verwerking van de ramievezel in Japan [The culture, production and processing of ramie fiber in Japan]. Indonesia. Min. van Welvaart. Meded. 16,185 p. June 1950. 280.9 Ea72
 English summary.

Forage Crops and Grasses

- 73664 AHRUNUBI, J. Sidur ha-mir'ah ha-zaru' wa ha- miful bar [Preparation and management of pasture land]. Tel-Aviv, Hadash, 1950. 18 p. 60.1 Ah7
 73665 ALBRECHT, R. Tough legume; birdsfoot trefoil shows staying power on nine-year old Illinois plot. Prairie Farmer, Mich. Ed. 123(15):6. Aug.4,1951. 6 P883A
 73666 ALTENRIED, M. Versuche zur verbesserung der alpwiden. Auf der Alpe 7:48-50. July 1951. 18 Au3
 73667 ANDRIBET, P. La création des prairies temporaires. Agr. Charentais 6(12):2. June 30,1951. 14 Ag825
 73668 ANGERMAIER, L. Die ernährungs- und wuchsverhältnisse der wiesen im Altmühltale vor und nach der regulierung. Landwirt. Jahrb. f. Bayern 28(3/4):76-84. Mar./Apr.1951. 18 L24
 73669 BARRON, J. R. Grass: mainstay of the stock farm. (Extr.) Scot. Farmer 59:826. June 2,1951. 10 Sco8
 Grassland management in Scotland.
 73670 BAUMGART, S. The advantages of perennial sown pasture. Pioneer 2(2):14,21-24. Jan./Feb.1951. 282.28 P65
 Israel.
 73671 BECKER, R. Das deutsche weidelgras (Lolium perenne). Landwirt. Wchnbl. f. Westfalen u. Lippe 108A: 1028. July 12,1951. 18 L2346
 73672 BELL, H. M. Weeping lovegrass. Cattleman 38(3):80-81,84. Aug.1951. 49 C29
 73673 BELTRAN, J. M. Fomento del ganado vacuno. Balearic Isl. Diputación Prov. B. de Agr. 79:14-16. Apr. 1951. 15 B19
 Forage production on irrigated and dry farms and vetch culture.
 73674 BENFORD, H. How to get earlier grazing from reseeding crimson clover. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(8):66,77. Aug.1951. 6 P945K
 73675 BENTANCUR, M. Primer comunicado sobre el comportamiento de diversas forrajeras procedentes de EE-UU. y la Argentina. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:159-179. 1950. 60.9 P41
 73676 BILBAO, I. C. Arboles forrajeros. Chacra 21 (248):24-25. July 1951. 9 C34
 Argentina.
 73677 BLASER, R. Ladino, still top clover. South. Seedsman 14(8):20. Aug.1951. 61.8 Sc8
 73678 BOELCKE, O. Pastoreo en el sur de Neuquén. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:147-150. 1950. 60.9 P41
 Includes discussion.
 73679 BONA, T. Reaping of pastures in the high mountain. (In Italian.) Seme 2:161-162. July 1950. 16 Se5
 73680 BRACKNEY, C. T. Improved variety wheat-grass now in final testing stage. Idaho. Agr. Col. Idaho Agr. Sci. 36(3):4. Third Q.1951. 276 Id13N
 Agropyron intermedium.
 73681 BROWN, E. M. Good pastures pay. Mo. Agr. Expt. Sta. B. 547,24 p. Feb.1951. 100 M693
 Varieties of grasses and legumes and pasture management.
 73682 BURKART, A. Floración del kikuyo (Pennisetum clandestinum) en La Plata. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:123-126. 1950. 60.9 P41
 Includes discussion.
 73683 BURLISON, W. L. Long season pastures for Illinois. Ill. Agr. Col. Ext. C. 682,8 p. June 1951. 275.29 IL62C
 Pasture management.
 73684 BUZI, V. C. Problems of mountain areas; results of experiments in permanent pastures. (In Italian.) Humus 7(4):16-20. Apr.1951. 16 H88
 Italy.
 73685 BYSZEWSKI, W. Studia nad kulinem pastewnym. Studies on fodder ("sweet") lupin. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. E 5,143-201. Ref. 1950. 512 L96Ae
 English summary.
 Breeding.

- 73686 CALDER, J. W. Investigations into the production of subterranean-clover pastures on Ashley Dene 1939-1946. Lincoln Col. Tech. P. 6,52 p. May 1951. 109 C162T
- 73687 CALLANTINE, J. Western wheatgrass (*Agropyron smithii*). S. Dak. Stockgrower 5(7):4. Aug.15,1951. 49 So84
- 73688 CARNAHAN, H. L., and FORTMANN, H. L. Pennscoot—medium red clover. Sci. Farmer [Pa. Sta.] 1951:1. June 1951. 100 P381
- 73689 CARRANTE, A. The pastures and meadows conference in the hot-arid zones of the Mediterranean region. (In Italian.) Agr. Ital. 2:293-297. June 1,1951. 16 Ag822
- 73690 CARVAJALINO JACOME, L. A. Pastos yara-gua uribe, imperial, micay y sudan. Rev. Nac. de Agr. 44(553):23-25. May 1951. 9.4 R32
- Hyparrhenia rufa*, *Axonopus scoparius*, and *Sorghum vulgare sudanensis*.
- 73691 CARVAJALINO JACOME, L. J. La grama Bermuda (Argentina, Teatino, Grama, etc.). Agr. Trop. 7(5):12-14. May 15,1951. 26 Ag8
- 73692 CAVAZZA, L. Differential characters of sulla hard seeds. (In Italian.) Bari U. Facoltà di Agr. Ann. 7: 137-156. Ref. 1950. 105.4 B232
- 73693 CHIZHEVSKIĬ, M. G. Forage grass-field crop rotations—basis of stable feed supply base for the development of livestock productivity. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok. 12:92-99. 1950. 20 M875
- Chiefly on forage plant culture.
- 73694 CLEMMER, C. W. Abundance is what you want from grassland. East. States Coop. 27(8):8-9. Aug.1951. 280.28 Ea7
- Management.
- 73695 COBB, W. T. Louisiana's winter grazing program for beef cattle. Victory Farm Forum 42:11-12. Aug.1951. 281.8 F226
- 73696 COSSETTE, M. Tout bon cultivateur doit être un bon herbager! B. des Agr. 47(7):12-13,41. July 1951. 7 B872
- Quebec.
- 73697 COVAS, G. Estado de los trabajos de mejoramiento en alfalfa que se conducen en el Instituto de Fito-tecnia (Castelar). Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forra-geras 3:45-49. 1950. 60.9 P41
- Includes discussion.
- 73698 COVAS, G. Información sobre el *Amaranthus edulis*. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forra-geras 3:145-146. 1950. 60.9 P41
- Includes discussion.
- 73699 CUNY, M. L. Les gazons; considerations sur leur création et leur entretien. Jard. de France 4(ser. 7):5:97-112. Apr.1951. 86 So13
- 73700 DE FRANCE, J. A. Redtop and the bentgrasses In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.341-347. Ref. Ames,1951. 60 H87
- Agrostis.
- 73701 DER KHATCHADOURIAN. La vulgarisation dans le domaine de la production fourragère. France. Min. de l'Agr. B. Tech. d'Inform. 58:293-297. Apr.1951. 14 F844B
- Research in pasture management.
- 73702 DOBSON, S. H. North Carolina's Green Pastures campaign moves forward. Victory Farm Forum 42: 5. Aug.1951. 281.8 F226
- 73703 DUNLOP, A. A., and COUP, M. R. The nutritive value of pampas grass (*Cortaderia selloana*). New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 32(5):21-34. Ref. Feb.1951. 514 N48A
- For cattle.
- 73704 DUNTON, H. L. You can't do it with poverty grass, running briars and broom sedge. Victory Farm Forum 42:10-11. Aug.1951. 281.8 F226
- Pasture management.
- 73705 DUURSMA, A. Grasland; bestemd voor het landbouwonderwijs en de praktijk [Grasslands; intended for agricultural teaching and practice]. Ed. 3. 's-Graven-hage,1950. 166 p. 60.1 D952
- 73706 EAKIN, J. H., JR. Try some birdsfoot trefoil this year. Susquehanna-Wyo. Farm & Home News 4(5): 1,12-13. June 1951. 6 Su82
- 73707 ELEAZER, J. M. Year-round grazing needs expert management. Victory Farm Forum 42:9-10. Aug. 1951. 281.8 F226
- 73708 ESCHAUZIER, W. A. Aspects of grass seeds breeding. (In Dutch.) Zaadbelangen 5:139-141. June 30, 1951. 61.8 Z1
- 73709 FABRICK, D. P. The importance of grass in agriculture. Mont. Stockgrower 23(5):48-53. May 15,1951. 49 M76
- 73710 FAUSTER. Erfolgreiche almwanderung; gute und schlechte almwiesen—eine frage der betriebsführung. Allg. Bauernztg. 6(32):5. Aug.11,1951. 19 K142
- Austria.
- 73711 FERGUSON, J. Range and pasture management. Polled Hereford World 5(8):9. Aug.1951. 43.8 P76
- 73712 FERNANDEZ QUINTANILLA, C. Pastoreo intensivo de los prados. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 18,8 p. Oct.1950. 15 H68
- Also in Badajoz. Diputación Prov. B. de Inform. Agr. y Ganad. 9(84):10-13. Feb.1951. 15 B14
- 73713 FICCO, N. Contribution to the biology and cultivation of grass peavine [*Lathyrus sativus*]. (In Italian.) Bari U. Facoltà di Agr. Ann. 7:259-272. Ref. 1950. 105.4 B232
- 73714 A FORUM on the 1951 grasslands program. Co. Agent & Vo-Ag Teacher 7(7):8-10. July 1951. 275.25 N213
- Statements by C. E. Wilson, C. F. Brannan, E. Bay, J. S. Smith, M. L. Wilson, and A. L. Olson.
- 73715 GARATTONI, E. Valorization and utilization of mountain pastures. (In Italian.) Spezia Agr. 6(5):2. May 1,1951. 16 Sp3
- 73716 GAUL. Gedanken zur futtererzeugung. Bad. Landwirt. Wchnbl. 118:396-397. June 30,1951. 18 B142
- 73717 GAUL. Rechtzeitige heuernte ersetzt kraft-futter. Bad. Landwirt. Wchnbl. 118:324. May 26,1951. 18 B142
- 73718 GELLER, I. A., and LITINSKAYA, I. U. G. Sprouting of perennial grasses in various soils. (In Russian.) Selek. i Semenovod. 1951:42-46. Jan.1951. 61.9 Se5
- 73719 GILCH. Futtergrundlage für unsere ziegen. Kleintierzüchter Tierbörse 5(9):8,11. Mar.20,1951. 49 K672
- Chiefly on culture of forage plants.
- Also in Deut. Kleintier-Züchter 6(6):8,11. Mar.20,1951. 49 Su22
- 73720 GILL, J. B. Pasture establishment and manage-ment. Amer. Tung Oil Assoc. Proc. 1950:12-15. 77.9 Am32
- 73721 GISCARD, R. Des pâturages permanents au Maroc, grâce aux plantes fourragères vivaces. Chambre Franç. d'Agr. des Régions de Rabat, du Rharb et d'Ouezzane. B. 17:2651-2652. Apr.1951. 24 C352
- Also in Fruits et Primeurs de l'Afrique du Nord 21:212-213. June 1951. 80 F9482
- 73722 GOOCH, J. W. Learn how to farm the hills. Capper's Farmer 62(8):15,36. Aug.1951. 6 M693
- Pasture renovation in Wisconsin.
- 73723 GORMAN, L. W. Species and strains of pasture plants. New Zeal. Dept. Sci. & Indus. Res. Grasslands Div. Grasslands B. 4:5-16. Apr.1951. 60.9 N48
- 73724 GORMAN, L. W. Strains of timothy (*Phleum pratense* L.) New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 32:1-15. Ref. June 1950, pub. Jan.1951. 514 N48A
- 73725 GREEN, L. R., and others. Utilization of winter range forage by sheep. J. Range Managt. 4:233-241. Ref. July 1951. 60.18 J82
- L. A. Sharp, C. W. Cook, and L. E. Harris, joint authors
- 73726 GRONINGER MAATSCHAPPIJ VAN LAND-BOUW. RESUME-COMMISSIE. Resumé of the department reports of the Groningen Agricultural Society on Point I, 1950-1951. (In Dutch.) Groninger Landtbl. 29(25):13-15. June 23,1951. 12 G892
- Economic aspects of pasture management and feed preparation on the farm.
- 73727 HAENEN, J. Stubble crops on the mixed farm. (In Dutch.) Boer en Tuinder 5(233):2. July 7,1951. 12 B632
- Netherlands.
- 73728 HANSON, C. H., and ALLISON, J. L. Studies on the nature and occurrence of stand depletion in alfalfa strains in North Carolina. Agron. J. 43:375-379. Ref. Aug.1951. 4 Am34P
- 73729 HAUER, E. Futterstarke bodennutzungssysteme I. Klee-graswirtschaften. Pflug 4:123-125. June 1951. 19 P48
- Austria.
- 73730 HAWK, V. B. Other grasses for the North and West. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p.379-390. Ref. Ames,1951. 60 H87
- 73731 HENRICI, M. Die uitwerking van sny en beweiding op *Pentzia incana* onder verskillende veldbestuursstelsels [Effect of cutting and pasturing on *Pentzia incana* under different management methods]. Union So. Africa. Dept. van Landb. Wetensk. Pam. 292,31 p. 1951. 24 So84Sd

- 73732 HERBEL, C. H. Some typical practices of range improvement in Texas. San Antonio, Range Mangt. Sect., Agr. Div., Sowest. Res. Inst., 1950. 17 p. 60.1 H41
- 73733 HEYNEMAN, J. M. An evaluation of *Hilaria jamesii*. Wyo. Range Mangt. 36, 6 p. June 1951. 60.19 W19
- 73734 HOVD, A. Hay and pasture culture on marshes. (In Norwegian.) Norske Myrselsk. Meddel. 49:75-88. Ref. June 1951. 11 N813
- 73735 HUBBARD, W. A. Carrying capacity studies on native rangelands. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:18-21. 1950. 49.9 C166
- 73736 HUMPHREY, R. R., and EVERSON, A. C. Effect of fire on a mixed grass-shrub range in southern Arizona. J. Range Mangt. 4:264-266. July 1951. 60.18 J82
- 73737 IBAR, J. B. Ensayo de densidades de siembra de alfalfa en Guatrache. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:65-73. 1950. 60.9 P41
Includes discussion.
- 73738 INCH, R. Management of lucerne in Mid-Canterbury. New Zeal. J. Agr. 82:337,339-340. Apr. 16, 1951. 23 N48J
- 73739 IPARRAGUIRRE C., I. Contribución al estudio de las gramíneas forrajeras naturales del Perú. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 5:72-88. Ref. Dec. 1950. 41.9 Un37
English summary.
- 73740 ISBELL, C. I. These varieties give you more cowpea profits. South. Seedsman 14(8):26,39,42. Aug. 1951. 61.8 So8
- 73741 IZCUA, H. Mejore su campo cambiando los sitios de rodeos. Chacra 21(248):70. July 1951. 9 C34
- 73742 JACOMETTI, G. A valuable forage: the rutabaga. (In Italian.) Gior. di Agr. 61:227. July 22, 1951. 16 I11G
- 73743 JACQUES, W. A. Distribution of pampas grass. New Zeal. J. Agr. 82:347. Apr. 16, 1951. 23 N48J
- 73744 KILLINGER, G. B. New grasses and legumes spur Florida's program. Victory Farm Forum 42:14-15. Aug. 1951. 281.8 F226
Pastures.
- 73745 KILLINGER, G. B. Prospects of Argentine Bahia [*Paspalum notatum*]. South. Livestock J. 11:24. Aug. 1951. 43.8 F66A
- 73746 KIRCHMEYER, D. F. Exploitation des prairies en Autriche. B. des Engrais 331:95-97. May 1951. 57.8 B87
- 73747 KLAPP, E. Leistung, bewurzelung und nachwuchs einer grasnarbe unter verschieden häufiger mäh und beweidung. Z. f. Acker- u. Pflanzenbau 93:269-286. Ref. May 1951. 18 J825
- 73748 KLEIN, P. Die betriebswirtschaftlichen verhältnisse von Altendorf bis Badanhäusen vor und nach der Altmühlregulierung. Landwirt. Jahrb. f. Bayern 28(3/4):85-91. Mar./Apr. 1951. 18 L24
Yields of forage plants and milk production obtained by area units.
- 73749 LAVEZZINI, V. Increase forage resources; our province is deficient in forages for cattle. (In Italian.) Avvenire Agr. 59:111-113. May 1951. 16 Av9
Culture of forage plants in Italy.
- 73750 LECHNER, L. Neuartige grünlandansaat. Übersicht 2(2):8-9. Apr. 1951. 18 Ub3
- 73751 LONG, O. H., and PENDERGRASS, W. Pasture production is progressing in Tennessee. Victory Farm Forum 42:6-8. Aug. 1951. 281.8 F226
- 73752 LOWERY, J. C. Year-round pasture systems. Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(8):18,71. Aug. 1951. 6 P945G
- 73753 LUTZ, J. L. Die wiesenvegetation und ihre standorte. Landwirt. Jahrb. f. Bayern 28(3/4):50-62. Ref. Mar./Apr. 1951. 18 L24
- 73754 MCCORKLE, J. S., and HEERWAGEN, A. Effects of range condition on livestock production. J. Range Mangt. 4:242-248. July 1951. 60.18 J82
- 73755 MACDONALD, W. P. Two or twenty-four inch clover. New Agr. 33(10):19-20. July 1951. 66.8 Su32
- 73756 MCKENZIE, R. E. The ability of forage plants to survive early spring flooding. Sci. Agr. 31:358-367. Aug. 1951. 7 Sci2
- 73757 MELKUMIAN, G. O. The productivity of seed alfalfa in relation to its age. (In Russian.) Akad. Nauk Armfianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:887-891. 1950. 20 Er4
- 73758 MICHAELIS, C. Die klee- und grassamenzucht in Dänemark. Saatgut-Wirt. 3:56-57,80-81,105. Mar.-May 1951. 61.8 Sal
- 73759 MITCHELL, G. E. Status of browse on ranges of eastern Oregon and eastern Washington. J. Range Mangt. 4:249-253. Ref. July 1951. 60.18 J82
- 73760 MOORE, G. Green pastures—their place in the economy of North Carolina. Tarheel Banker 30(2):11,15. Aug. 1951. 284.8 T17
- 73761 MORRIS, H. E., and others. Important grasses on Montana ranges. Mont. Agr. Expt. Sta. B. 470, 52 p. Dec. 1950. 100 M76
W. E. Booth, G. F. Payne, and R. E. Stitt, joint authors.
- 73762 MOTYKA, J., DOBRZANSKI, B., and ZAWADZKI, S. Wstepne badania nad lakami południowo-wschodniej Lubelszczyzny. Preliminary studies on meadows in the south-east of the province Lublin. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. E 5,367-447. Ref. 1950. 512 L96Ae
English summary.
- 73763 MÜLLER, H. L. Necesidad de contar con material adaptado para praderas permanentes o semipermanentes. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:151-152. 1950. 60.9 P41
- 73764 MÜLLER, M. Der verfall der wiesenvegetation im Altmühltal im vergleich mit der dürre einwirkung 1947 und 1949 in wiesen anderer flusstäler. Landwirt. Jahrb. f. Bayern 28(3/4):115-120. Mar./Apr. 1951. 18 L24
- 73765 MURRAY, C. C. Year-round grazing is a practical reality in Georgia. Victory Farm Forum 42:4-5. Aug. 1951. 281.8 F226
- 73766 MYERS, W. M. Superior forage crop seeds are very critical materials. Seed Trade News 56(23):1,5; (25):4-5. June 6, 20, 1951. 61.8 Se3
Also in Seed World 68(12):12,14. June 15, 1951. 61.8 Se52; Grain & Feed J. Consolidated 107(2):24-25. July 25, 1951. 298.8 G762
- 73767 NARDIN, C. L. Aperçus sur la culture et l'utilisation du maïs fourrage. Agriculture [Paris] 15:159,161. June 1951. 14 Ag823
- 73768 NEWELL, L. C., and ANDERSON, K. L. The brome grasses. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. Forages, p. 269-278. Ref. Ames, 1951. 60 H87
- 73769 NIESER, O. Anomale keime von süsslupinen. Saatgut-Wirt. 3:62-63. Mar. 1951. 61.8 Sal
- 73770 OATES, A. V. Some pasture problems encountered in the native areas of Matabeleland. So. African J. Sci. 47:327-329. July 1951. 515 So84
- 73771 OWEN, C. R. Improvement of native Dallis grass (*Paspalum dilatatum*) in Louisiana. La. Agr. Expt. Sta. B. 449, 40 p. May 1951. 100 L93
- 73772 PALMER, C. B. Pastures suitable for our soil and conditions. Westralian Farmers Co-op. Gaz. Stud Stock Sup., May 1951:37,39,41. 280.28 W522
Forage plants.
- 73773 PARODI, R. A. Comportamiento de especies de gramíneas forrajeras en el estudio de su adaptación en Manfredi. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:127-132. 1950. 60.9 P41
Includes discussion.
- 73774 PERGAMINO, ARGENTINA. CENTRO REGIONAL PAMPEANO DE INVESTIGACIONES AGROPECUARIAS. Memoria de la tercera reunión de plantas forrajeras, 3 y 4 de octubre de 1950, en la Estación Experimental Rafaela. Pergamino, 1950. 211 p. 60.9 P41
- 73775 PETER, K. Voraussetzungen für ertragssteigerung auf dem grünland. Landwirtbl. Weser-Ems 98:448-450. May 24, 1951. 18 L2345
- 73776 POPRAVKO, A. V. Seed selection work in grasses at the Morshansk State Selection station. (In Russian.) Selekt. i Semenovod. 1951:34-41. Jan. 1951. 61.9 Se5
- 73777 POTTS, R. C. Forage and pasture crop research progressing in Texas. Victory Farm Forum 42:15-16. Aug. 1951. 281.8 F226
- 73778 POWELL, T. Longer pastures mean profit. Org. Farmer 3:38-40. Aug. 1951. 57.8 Or3
- 73779 PROFERANSOVA, N. V. Thinning clover as a measure to increase yields of seeds. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok. 12:116-122. 1950. 20 M875
- 73780 PROVAGLIO, D. Ladino clover seed from abroad. (In Italian.) Humus 7(1):16-17. Jan. 1951. 16 H88
- 73781 RECHENTHIN, C. A. Range grasses: big sandbur, buffelgrass, Napiergrass, fall witchgrass, signalgrass, tumblegrass, squirreltail and thatchgrass. Cattleman 38(3):132,134,136,138. Aug. 1951. 49 C29

- 73782 REEVES, F. Coastal Bermuda, a promising grass in the South. *Gulf Coast Cattleman* 17(6):5-6. Aug. 1951. 43.8 G95
- 73783 ROJAS, F. A. Ensayo de densidades de siembra de alfalfa realizado en Manfredi. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:75. 1950. 60.9 P41
- 73784 ROJAS, F. A. Observaciones sobre el comportamiento de alfalfas cultivadas en la colección de Manfredi durante los años 1948/49 y 1949/50. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:51-57. 1950. 60.9 P41
- Includes discussion.
- 73785 ROJAS, F. A. Observaciones sobre el comportamiento de una colección de leguminosas forrajeras que se conducen a la Estación Experimental de Manfredi. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:113-143. 1950. 60.9 P41
- Includes discussion.
- 73786 ROJAS, F. A. Resultados de cuatro años de observaciones en un ensayo de procedencias comerciales de alfalfas de riego y de secano. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:59-64. 1950. 60.9 P41
- Includes discussion.
- 73787 ROMANINI, A. A look at our permanent pastures. (In Italian.) *Avvenire Agr.* 59:137-138. June 1951. 16 Av9 Italy.
- 73788 RONNINGEN, T. S., and BURGER, A. W. Increased production from Maryland pastures. *Victory Farm Forum* 42:13-14. Aug. 1951. 281.8 F226
- 73789 ROSENGURTT, B. Introducción e intercambio de material. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:205-207. 1950. 60.9 P41
- Includes discussion.
- 73790 SALTRØE, T. Increase of the protein concentration in hay of timothy and other grasses through top-dressing with nitrogen at or after sprouting. (In Norwegian.) *Norsk Landbr.* 17:268-269. July 20, 1951. 11 N8122
- 73791 SAMPSON, A. W., CHASE, A., and HEDRICK, D. W. California grasslands and range forage grasses. *Calif. Agr. Expt. Sta. B.* 724,130 p. Ref. May 1951. 100 C125
- 73792 SAUCHELLI, V. Ladino clover, a top performer. *Md. Farmer* 35(6):5,21. June 1951. 6 M362
- 73793 SCHMIDT, F. Rückschlüsse im anbau von rotkeel und ihre ursachen. *Bad. Landwirt. Wchnbl.* 118:236-237. Apr. 14, 1951. 18 B142
- 73794 SCHNEIDER. Erfahrungen mit der neuzeitlichen weidewirtschaft im bergischen land. *Landwirt. Z. der Nord-Rheinprov.* 118:409. May 12, 1951. 18 L2344
- 73795 SCHOTH, H. A. The ryegrasses. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. *Forages*, p.336-340. Ames, 1951. 60 H87
- 73796 SCHRÖDER, F. Die betriebswirtschaftlichen verhältnisse im Altmühltal zwischen Beilngries und Dietfurt. *Landwirt. Jahrb. f. Bayern* 28(3/4):92-102. Mar./Apr. 1951. 18 L24
- Yields in forage plants in relation to soil management factors.
- 73797 SEÁRA, C. Blue-grass. (In Portuguese.) *Seleç. Agr.* 6(60):36. Apr. 1951. 9.2 Se4
- 73798 SEARS, P. D. Model-T dairy pastures should be replaced with the latest types. *New Zeal. Dairy Exporter* 27:33,35-36. July 1951. 44.8 N484
- 73799 SEARS, P. D. The technique of pasture measurement. *New Zeal. J. Sci. & Technol. A, Agr. Res. Sect.* 33(1):1-29. Ref. June 1951. 514 N48A
- 73800 SEILER. Richtiger einatz der mittel für alpförderung. *Auf der Alpe* 6:39-41. June 1951. 18 Au3
- Pasture management in Germany.
- 73801 SERRANO, H. Comportamiento de forrajeras invernales en ensayos de pastoreo. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:153-157. 1950. 60.9 P41
- Includes discussion.
- 73802 SERRANO, H. De las semillas duras en la alfalfa. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:33-40. 1950. 60.9 P41
- Includes discussion.
- 73803 SIMMONS, C. F. Winter grazing is a practical possibility in Alabama. *Victory Farm Forum* 42:9. Aug. 1951. 281.8 F226
- 73804 SPANN, J. Die abstammung der wörter "alpe" und "alm." *Auf der Alpe* 6:44-45. June 1951. 18 Au3
- 73805 SPRAGUE, M. A. Cereals as forage. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. *Forages*, p.391-399. Ref. Ames, 1951. 60 H87
- 73806 SPRAGUE, M. A. Winter grains lengthen your pasture season. *Crops & Soils* 3(9):18-21. Aug./Sept. 1951. 6 W55
- 73807 STAEHLER, H. Die eintags- oder portionsweide. *Allgäuer Bauernbl.* 19:281-282. May 25, 1951. 18 AL53
- Management.
- 73808 SWARTZ, R. E. You cannot fool a cow. *New Agr.* 33(10):16. July 1951. 66.8 Su32
- Palatability and nutritive value of forage in dry and wet years.
- 73809 THOMPSON, W. R. An improved pasture on every farm. *Prog. Farmer, Miss.-Ark.-La.* 66(8):18. Aug. 1951. 6 So81
- 73810 TINDALL, C. Just the grass you've wanted! *Mo. Rur.* 92(13):6-7. July 14, 1951. 6 R8891
- Timothy.
- 73811 TIVER, N. S. Some aspects of New Zealand grassland farming. *So. Austral. Dept. Agr. J.* 54:460-463, 465. Apr. 1951. 23 So84
- 73812 TOMASI, K. Gedanken zur mähweidewirtschaft. *Pflug* 4:132-133. June 1951. 19 P48
- Austria.
- 73813 TOME, G. Ensayos de implantación de praderas permanentes. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:181-183. 1950. 60.9 P41
- Includes discussion.
- 73814 TYRER, T. G. In New Zealand we ration our pastures. *Hoard's Dairyman* 96:566,583. July 25, 1951. 44.8 H65
- 73815 TYSDAL, H. M. Alfalfa. In Hughes, H. D., Heath, M. E., and Metcalfe, D. S., eds. *Forages*, p.138-153. Ref. Ames, 1951. 60 H87
- 73816 UNGARELLI, P. Artificial pastures in the evolution of agriculture. (In Italian.) *Mondo Agr.* 2(17):5. Apr. 29, 1951. 16 M74
- Italy.
- 73817 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The U. S. Regional Pasture Research Laboratory, State College, Pennsylvania. Washington, 1951. 6 p. 1.965 F2Un3
- 73818 VALLE, O. The fodder beet, Finland's new forage plant. (In Swedish.) *Mjolkpropagandan* 28:136-138. May 1951. 44.8 M692
- 73819 VILLAMIZAR JARAMILLO, A. Contribución al estudio forrajero de los sorgos. *Rev. Nac. de Agr.* 44(553):27-28. May 1951. 9.4 R32
- 73820 VILLAR, A. D. Mejoramiento de sorgos forrajeros. Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras 3:85-89. 1950. 60.9 P41
- Includes discussion.
- 73821 WATSON, S. J. Grassland and grassland products. London, Arnold, 1951. 200 p. 60.1 W33
- 73822 WEIHING, R. M., and MONCRIEF, J. B. Pasture investigations for the Texas rice belt. (Abs.) *Rice J.* 54(7):19. July 1951. 59.8 R36

Oil Crops

- 73823 BAILEY, W. K. Possibilities of growing Virginia type peanuts in Georgia. *GFA News* 13(2):1-2,4. Mar. 1951. 77.8 G11
- 73824 BERG, M. Combine threshing of oil crops—some views. (In Swedish.) *Lantmannen* 35:595-597. Aug. 4, 1951. 11 L234
- 73825 FROLOV, P. V. New raions for growing oil flax, Perilla and Lallelantia. (In Russian.) *Selek. i Semenovod.* 1951:47-52. Jan. 1951. 61.9 Se5
- 73826 HERNANDEZ, A. Cultivo de la soya. *Agronomia [Monterey]* 15:4. Mar./Apr. 1951. 8 Ag828
- 73827 HIGGINS, B. B. Origin and early history of the peanut. In The peanut; a symposium, p.18-27. Ref. Washington, Natl. Fert. Assoc., 1951. 77 P313
- 73828 HÖRBERG, Y. Directions for growing fall oil plants. (In Swedish.) *Lantmannen* 35:598-599. Aug. 4, 1951. 11 L234
- 73829 KLINKUVITZKI, S. Gidul' egozi 'edamah [The raising of peanuts]. Tel Aviv, Sefer, 1950. 7 p. 77 K68
- 73830 LEHMANN, U. Oelfrucht—ein sicherheitsventil. *Deut. Landwirt. Presse* 74:176-177. July 7, 1951. 18 D482
- 73831 LOWERY, J. C. Soybeans in Alabama. *Ala. Polytech. Inst. Agr. Ext. C.* 392, rev., 2 p. Mar. 1951. 275.29 AL1C

- 73832 MARTIN, J. M. Peanut production. Ala. Farmer 30(7):4-5, 14. Apr. 1951. 276.8 AL1 Culture.
- 73833 NOHE, E. Zum stand der rapsfelder. Württemb. Wchnbl. f. Landwirt. 118:525-526. June 30, 1951. 18 W96 Culture.
- 73834 THE PEANUT, the unpredictable legume; a symposium, prepared by Frank Selman Arant [and others]. Sponsored by the Plant Food Research Committee of the National Fertilizer Association. Washington, National Fertilizer Association. Washington, 1951. 333 p. 77 P313
- 73835 PRESTON, J. B. How to grow better peanuts. Crops & Soils 3(9):9-11. Aug./Sept. 1951. 5 W55
- 73836 RADET, E. Importance de la fixation de la date de récolte sur la teneur en matières grasses du colza. Sol 62:68-71. 1951. 14 So4
- 73837 STURKIE, D. G., and WILLIAMSON, J. T. Cultural practices. In The peanut; a symposium, p. 173-209. Ref. Washington, Natl. Fert. Assoc., 1951. 77 P313

Sugar Crops

- 73838 BRITISH SOCIETY FOR RESEARCH IN AGRICULTURAL ENGINEERING. The lifting and loading of sugar beet, by H. C. Green, and F. S. Mitchell. Silsoe, Bedfordshire, Eng., Natl. Inst. Agr. Engin., 1950. 22 p. 66 B77
- 73839 CALZADA B., J. Nuevas variedades de caña de azúcar que están dando resultados. Vida Agr. [Lima] 28:437, 439, 441. June 1951. 9.8 V66
- 73840 DUTT, N. L. Sugarcane Prize Competition should be linked with cost of production per maund as also sucrose content. Sugar Technol. Assoc. India. Proc. 19:100-103. 1950. 65.9 Su33P
- 73841 ECKHOFF, G. Betrachtungen zum rübensamen-vermehrungsbau. Saatgut-Wirt. 3:55-56. Mar. 1951. 61.8 Sal
- 73842 ENIKEEV, S. G. Advancement of sugar beets into the high-mountain districts of Kirghiz SSR. (In Russian.) Sovet. Agron. 9(4):79-81. Apr. 1951. 20 So84
- 73843 FORS, A. L. Notas adicionales sobre la caña "Pepe Cuca." Asoc. de Téc. Azucareros de Cuba. B. Ofic. 9:475-478. Feb. 1951. 65.9 As5B
- 73844 GOUAUX, D. B. Test fields in the sugar cane belt--1950. Sugar B. 29:345-352. Aug. 15, 1951. 65.9 Am32
- 73845 HES, J. W. Root formation in sugar cane cuttings. Nederlands. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 54:32-40. 1951. 442.9 Am8
- 73846 HYDERABAD. DIRECTOR OF AGRICULTURE. Coimbatore canes in Hyderabad State. Sugar Technol. Assoc. India. Proc. 19:90-99. 1950. 65.9 Su33P
- 73847 KING, N. J. Q. 28 and Q. 50. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:159-160. Apr. 1, 1951. 65.9 Q3C
- Varieties of sugarcane in Australia.
- 73849 KNÖLLE, G. Pilliertes rübensaatgut. Saatgut-Wirt. 3:61-62. Mar. 1951. 61.8 Sal
- 73849 KÜPPERS, G. A. Topinamburerträge--kritisch betrachtet. Saatgut-Wirt. 3:106-107. May 1951. 61.8 Sal
- 73850 LITTLE, S. P. Some demonstration plots and conclusions. Beet Grower 5:122-124. July 1951. 66.8 B392
- 73851 LOCSIN, C. L. Field experiments nos. 50-1 and 50-2: preliminary sugarcane variety test. Sugar News [Manila] 27:208-215. May 1951. 65.8 Su36
- 73852 LOH, C. S., and TSENG, P. M. Notes on sugarcane noblizing works. (In Chinese.) J. Sugarcane Res. 5:35-50. Ref. Feb. 1951. 65.8 J822
- English summary.
- 73853 MANUEL, G. D. The 1950 sugar beet harvest. Spreckels Sugar Beet B. 15:28-30. July/Aug. 1951. 66.8 Sp7
- 73854 MARTIN, F. Progrès réalisés en culture de la canne à sucre et en sucrerie de canne depuis un siècle. Indus. Agr. et Aliment. 68:137-140. Mar./Apr. 1951. 383 As7
- English summary.
- 73855 MEISNER, F. Grundsätzliches zum zucker-rübenanbau. Bad. Landwirt. Wchnbl. 118:233. Apr. 14, 1951. 18 B142
- 73856 MORRISON, E. M., and DAVIS, L. H. Harvesting of sugar beets. Flour & Feed 52(3):24. Aug. 1951. 298.8 F66
- 73857 MUNGOMERY, R. W. The importance of foreign varieties and recent importations into Queensland. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:155-158. Apr. 1, 1951. 65.9 Q3C

- 73858 RASK, O. Culture of sugar beets. (In Swedish.) Labor [Helsingfors] 35(1):3-4; (2):1-2; (4):14-15. Feb. 5-Mar. 5, May 23, 1951. 20 L11
- 73859 RIGOR, E. L. Correlation of available yield and rainfall data in sugar cane areas of the Philippines. Soil Sci. Soc. Philippines. J. 3:92-102. Second Q. 1951. 56.9 So35
- 73860 RUOFF, F. Köpfen und roden der rüben in einem arbeitgang. Neue Mitt. f. die Landwirt. 6:343. May 26, 1951. 18 N39
- 73861 SCHLÖSSER, H. A. Erfahrungen mit monogermisamen. Neue Mitt. f. die Landwirt. 6:449. July 7, 1951. 18 N39
- Sugar beets.
- 73862 SHEN, I. S. Trials in times of planting and harvest P. T. 43-52, F. 134 and P. O. J. 3016. (In Chinese.) J. Sugarcane Res. 5:103-119. Ref. May 1951. 65.8 J822
- English summary.
- 73863 STERN, W. R. Some causes of unsatisfactory germinations. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:161-162. Apr. 1, 1951. 65.9 Q3C
- 73864 STERN, W. R. Varietal trials--1950 season. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:127-140. Apr. 1, 1951. 65.9 Q3C
- Sugarcane yields in Queensland, Australia.
- 73865 STOKES, I. E., and others. C. P. 36/111, a new variety of sugarcane for sirup production in Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 461, 2 p. Apr. 1951. 100 M69in
- T. E. Ashley, R. Kuykendall, and B. C. Hurt, joint authors.
- 73866 ULRICH, A. Sugar beets grown in controlled climates. Through Leaves 39(3):31-35. May/June 1951. 66.8 T41
- 73867 VALLANCE, L. G. Soil fertility investigations. Results of the 1950 season. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 14:141-147. Apr. 1, 1951. 65.9 Q3C
- Fertilizer trials for sugarcane in Australia.
- 73868 WILLIAMS, M. Sugar beets on the [Texas] Plains. Sowest. Crop & Stock 5(6):44-45. June 1951. 6 So8942
- Culture.

Tobacco

- 73869 GIRAUD, E. Le 35me Congrès des Planteurs de Tabac. Potasse 25:114-116. July/Aug. 1951. 57.8 P84
- 73870 KADAM, B. S. Tobacco varieties in India. Indian Tobacco 1:76-80. Apr. 1951. 69.8 In2
- 73871 MEHTA, S. Production of cigarette tobacco. Indian Tobacco 1:81-82. Apr. 1951. 69.8 In2
- 73872 SEMBLANTI, R. Observations on tobacco culture. (In Italian.) Seme 2:151-152. July 1950. 16 Se5
- 73873 STILES, H. F. "By guess and gosh" growing out window in 1951 cultivation of [Connecticut] Valley tobaccos. Tobacco [New York] 132(26):12-13. June 28, 1951. 286.89 T552
- 73874 TRELAWNEY TOBACCO RESEARCH STATION. Annual report for 1949. South. Rhodesia. Tobacco Res. Bd. P. 12, 87. 1950. 69.9 T71
- 73875 WESTBROOK, E. C. Soil, fertility, climate necessary elements for our tobacco, no matter where it's grown. Tobacco [New York] 133(4):129-131, 171-172. July 26, 1951. 286.89 T552
- 73876 WHITEHEAD, J. O. Chemical compounds abolish need for hand suckerings of plants. Rhodesian Tobacco J. 2(5):45-47. May 1950. 69.8 R34
- 73877 WHITESIDE, J. O. Research Board's plant physiologist obtains further encouraging results in chemical de-suckering experiments. Rhodesian Tobacco J. 3(3):97, 99. Mar. 1951. 69.8 R34

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

- 73878 ABBOTT, D. How about a garden center in San Diego? Calif. Gard. 42(2):3-5. Summer 1951. 80 C127
- 73879 AMERICAN ASSOCIATION OF NURSERYMEN. American standard for nursery stock. Washington, 1951. 23 p. 90.21 Am32H
- 73880 BARRETT, C. P. Market gardens in the Isle of Wight. Grower [London] 36:121. July 21, 1951. 286.83 M34

- 73881 BASSØE, E. Growing cuttings in water. (In Norwegian.) Gartneryrket 41:491-493. July 7, 1951. 80 G1938.
- 73882 BERTIN, G. La stratification des greffes boutures. Paysan Franç. 27(402):24-25. June 1951. 14 P29
- 73883 BRANCO, A. C. DE. S. C. Vegetative propagation by root cuttings. Nature [London] 168:125-126. July 21, 1951. 472 N21
- 73884 BROTONS, L. K. DE. Deben curarse las semillas antes de la siembra. II. Uruguay. Min. de Ganad. y Agr. B. Inform. 373:8-9. May 30, 1951. 9.9 G15B
- 73885 CHEVALIER, C. De la synonymie en horticulture. B. Hort. (n.s.):6:131-135, 138. Ref. May 1, 1951. 80 B873
- 73886 CONDIT, I. J. Horticultural gleanings. (Condensed.) Calif. Citrog. 36:394, 412, 414. Aug. 1951. 80 C125
- 73887 COUTINHO, M. Notes on the care and keeping of the garden. (In Portuguese.) Seleç. Agr. 6(60):39-43. (Cont.) Apr. 1951. 9.2 Se4
- 73888 DAKIN, S. B. Chain of horticulture. Lasca Leaves 1:26-28. Summer 1951. 450 L33
- 73889 DIX, J. F. C. Uw tuin een lusthof; der verzorging van de tuin, bomen en struiken, bloemen, fruit, groenten [Our garden and pleasure grounds; care of garden, trees and shrubs, flowers, fruit, vegetables]. Ed. 3. Amsterdam, Kosmos, 1950. 219 p. 97.4 D64
- 73890 DOORENBOS, J. Dutch horticultural periodicals. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:372-385. June 1951. 86 N384
- English summary.
- 73891 ERIKSEN, N., ed. Hagebok for hvermann [Garden book for everyman]. Oslo, Gyldendal, 1951. 208 p. 90.1 Er4
- 73892 FENAROLI, L. Le introduzioni di piante e semi eseguite dalla Stazione Sperimentale di Maiscoltura nel 1950 (nn. 50001-50334) [Seed and plant introduction made by the Maize Experiment Station at Bergamo in the year 1950 (No. 50001 to 50334)]. Sta. Sper. di Maiscolt. Opusc. 62, 22 p. 1951. 105.4 B453
- English summary.
- 73893 FENSKA, R. R. The progress of horticulture. Trees 11(5):7, 16, 24. July/Aug. 1951. 99.8 W52
- 73894 DAS GARTEN-jahrbuch; ein nachschlagewerk für den gartenfreund, 1950. Zürich, Das Garten-Jahrbuch, 1950. 330 p. 80 G1946
- 73895 GLAZEBROOK, J. H. Plant propagation. 7. Hardwood cuttings and wrenching. Lincoln Col. Rur. Educ. B. 6:61-63. May 1951. 109 C162
- 73896 GUALLA, B. Electric sterilization of seeds. (In Italian.) Terra e Sole 107:269. July 1951. 16 T273
- 73897 HECTOR, R. Nicht planlos okulieren! Deut. Baumsch. 4:169-174. July 1951. 80 D486
- 73898 HEMMING, E. S. This business of ours; reflections on the progress and problems of nurserymen. Amer. Nurseryman 94(3):42. Aug. 1, 1951. 80 Am371
- 73899 HIRATSUKA, JAPAN. GOVERNMENT HORTICULTURAL EXPERIMENT STATION. Engei shiken-jo gyoseki mokuroku [List of the experimental results from the Horticultural Experiment Station (since 1926)]. Hiratsuka, 1950. 15 p. 241 H61Aj
- 73900 KIAMICHI FIELD STATION, IDABEL, OKLAHOMA. 3rd annual field day, Kiamichi Field Station. Okla. Agr. Expt. Sta. Mimeog. C. M-226, 11 p. July 24, 1951. 100 Ok4M
- Chiefly production and care of fruits and vegetables.
- 73901 KÖHNE, J. Die Stader Saatzucht in Stade. Landpost 5(21):11. May 25, 1951. 18 L2348
- 73902 MASSACHUSETTS HORTICULTURAL SOCIETY 1951 yearbook. Boston, 1951. 56 p. 81 M38A
- 73903 MERFIELD, A. G. Cloche gardening in N. Z. Orchardist New Zeal. 24(5):19-21. June 5, 1951. 80 Or19
- 73904 NEERGAARD, P., ed. Havejejerens handbog [Handbook of the garden owner]. Ed. 2. København, Clausen, 1950. 375 p. 90 N29
- 73905 NELSON, H. E. Horticultural schools of California City College of San Francisco. Calif. Hort. Soc. J. 12:107-111. July 1951. 81 C1293
- 73906 OLIVEROS ALTAMIRANO, M. Los viveros de plantas en Holanda; el medio y el cultivo. Tierra [Mexico] 6:446. July 1951. 8 T445
- 73907 O'ROURKE, R. L., and DAVIDSON, H. Fifth Michigan nursery conference. Amer. Nurseryman 94(3):25, 84-87. Aug. 1, 1951. 80 Am371
- 73908 PALMER, C. B. Cheap seeds may prove dear. Westralian Farmers Co-op Gaz. 20:315-316. May 1951. 280.28 W522
- Importance of testing.
- 73909 ROGERS, M. N. Missouri nurserymen's short course. Amer. Nurseryman 94(3):26, 28, 91-94. Aug. 1, 1951. 80 Am371
- 73910 ROSÉN, B. Gardens in the village. (In Swedish.) Trädgårdstidningen 23(1):16-17. Jan. 1951. 80 T67
- 73911 ROSÉN, B. Where gardening is a popular movement. (In Swedish.) Trädgårdstidningen 23(1):10-11, 27-28. Jan. 1951. 80 T67
- Activities of the Västerbotten Province Garden Association.
- 73912 SANDER, O. Pflanzenvermehrung. Ed. 2. Gärt. Berufspraxis 12, 88 p. 1949. 80 G1945.
- 73913 SANSON, J. La lutte contre la grêle est-elle possible? B. des Engrais 330:67-69. Apr. 1951. 57.8 B87
- 73914 SHEWELL-COOPER, W. E. Home, window and roof gardening. London, Lockwood, 1950. 123 p. 97.05 Sh52
- 73915 SHEWELL-COOPER, W. E. Horticultural advice. Estate Mag. 51:245-247. June 1951. 10 Es8
- Greenhouse culture, and care of greenhouses.
- 73916 STUCKEY, H. P. Southern horticulture. Atlanta, Smith, 1951. 494 p. 90 St92
- 73917 TÖGEL, V. Achtung, spätfrost! Gart.-Z. Illus. Flora 74:42-43. Apr. 1951. 80 G1991
- 73918 VASSEUR, A. Les débuts de l'horticulture européenne au Maroc (1907-1916). Soc. d'Hort. et d'Acclim. du Maroc. B. 36(152):16-19. First Q. 1951. 87 Sol
- 73919 WEIJER, L., and STIELTJES, D. Groenten, fruit, bloemen, kamerplanten op de boerderij [Vegetables, fruit, flowers and house plants on the farm]. Ed. 3. Doetinchem, Misset, 1950? 110 p. 90.3 W43
- 73920 WELLS, J. S. Pointers on propagation. Amer. Nurseryman 94(4):13, 48-49. Aug. 15, 1951. 80 Am371
- 73921 WISTER, J. C. Horticultural societies and special plant societies. Natl. Gard. 22(7/8):18-19. July/Aug. 1951. 90.32 N21
- 73922 WITTE, K. Untersuchungen zur frage der frostabwehr durch beregnung. Wasser u. Boden 3:83-89. Apr. 1951. 56.8 W28
- Also in Gartnermeister 54:145-146. May 10, 1951. 80 G1939

Fruits--General

- 73923 ANTLES, L. C. Eighteen years of commercial pollen research. Hoosier Hort. 33:68-75. May 1951. 81 In2H
- For fruit pollination.
- 73924 BAKKER, G. DE. Zeeland fruit culture and its problems. (In Dutch.) Tijdschr. v. Ent. 93:T3-T5. 1950, pub. Mar. 20, 1951. 421 T21
- Includes discussion.
- 73925 BALDASSARI, T. Complementary plants with self-sterile varieties. (In Italian.) Agr. Ferrarese 55:9-14. Jan. 31, 1951. 16 Ag87
- Fruit.
- 73926 BALDASSARI, T. Species and varieties of new fruit plantations. (In Italian.) Agr. Ferrarese 54:210-213. Oct. 31, 1950. 16 Ag87
- 73927 BLOM, A. Summer care of young fruit trees. (In Dutch.) Boer en Tuinder 5(234):8. July 14, 1951. 12 B632
- 73928 BONA, T. Autumn care of fruit trees. (In Italian.) Seme 2:255. Nov. 1950. 16 Se5
- 73929 BRUNNER, H. Obstbaumpflege im sommer. Grüne 79:606-607. June 1, 1951. 17 Sch9
- 73930 CONSOLANI, E. Fruit culture in mountain regions. (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:470-473. 1949, pub. 1950. 93.09 C769
- 73931 DEBRUN, J. De la pollinisation et d'un de ses principaux agents de transmission. Cour. Hort. 13:202-203. Apr. 1951. 80 C834
- Fruit; includes Apis mellifera as pollinator.
- 73932 DOTTE, F. Recent views on pruning fruit trees (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:213-230. 1949, pub. 1950. 93.09 C769
- English summary.
- 73933 ERMOLAEV, P. S. The orchard of "Ob'ednenniy Trud" Collective Farm [in Minusinskii District]. (In Russian.) Sad i Ogorod 3:19-21. Mar. 1951. 80 Sa13
- 73934 FALCH, A. Entfernung älterer, überständiger obstbäume. Obst u. Gart. 6:17-18. Feb. 1951. 80 Ob75

- 73935 FJELSTED, H. Die entwicklung des obstbaues und der obstabsatzorganisationen in Dänemark. Obstbauversring. Mitf. 6:56-58. Apr.1951. 85 J76
- 73936 GOSTEVSKIKH, M. IA. The orchard in Ural Area. (In Russian.) Sad i Ogorod 3:17-18. Mar.1951. 80 Sa13
- Fruit culture on Zavety Lenina Collective Farm in Sverdlov Region.
- 73937 GROVEN, I. Methods of orchard culture. (In Norwegian.) Gartneryrket 41:495-496,498. July 7,1951. 80 G1938
- 73938 KUEHNER, C. L. Management of bearing farm orchards. Wis. Agr. Col. Ext. C. 390,16 p. Sept. 1950. 275.29 W75C
- 73939 LAKON, G. Die zuverlässigkeit meines topographischen tetrazolium-verfahrens bei kern- und steinobstsaamen. Saatgut-Wirt. 3:85-86. Apr.1951. 61.8 Sa1
- 73940 LAVEZZINI, A. Elements of fruit pruning (woody and fruit-bearing plants). II. (In Italian.) Avvenire Agr. 59:139-144. June 1951. 16 Av9
- 73941 LECOYER, L. La taille de nos arbres fruitiers. Fruit Belge 19:80-81. May 1951. 80 F9493
- 73942 LEE, E. Important events in which apples played a prominent role. Va. Fruit 39(6):29-30. June 1951. 81 V81B
- 73943 LEGHIS, L. M. Le greffage des arbres fruitiers. Paysan Franç. 27(402):19,21. June 1951. 14 P29
- 73944 LISAVENKO, M. A. I. V. Michurin and northern fruit culture. (In Russian.) Sad i Ogorod 3:6-13. Mar. 1951. 80 Sa13
- 73945 LOUVAIN, P. Les arbres et leur mise à fruit. Réveil Agr. 60:213-214. July 15,1951. 14 R322
- France.
- 73946 LOUVAIN, P. La culture fruitière en Provence. Réveil Agr. 60:198. July 1,1951. 14 R322
- 73947 MAGNESS, J. R. How fruit came to America. Natl. Geog. Mag. 100:325-377. Sept.1951. 470 N213
- 73948 MAKIMOV, A. I. Greater attention to fruit, berry and grape nurseries. (In Russian.) Sad i Ogorod 2:6-9. Feb.1951. 80 Sa13
- 73949 MANARESI, A. The problem of rootstocks for fruit trees. (In Italian.) Cong. Naz. di Frutticolt. Atti 3:231-301. Ref. 1949,pub.1950. 93.09 C769
- English summary.
- 73950 MARINUCCI, M. Necessity of coordination, and educational and experimental improvement in fruit culture. (In Italian.) Cong. Naz. di Frutticolt. Atti 3:302-306. 1949,pub.1950. 93.09 C769
- English summary.
- 73951 MAURER, K. J. Ein beitrage zur beeinflussung des wurzelsystems durch die edelsorte. Obst u. Gart. 6:66-68. May 1951. 80 Cb75
- 73952 MIRIMANIAN, KH. P. A few observations on the root system of fruit trees. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:649-656. Ref. 1950. 20 Er4
- 73953 MONIN, A. Le buisson à centre ouvert differe. Fruit Belge 19:89-93. June 1951. 80 F9493
- Pruning.
- 73954 NACHBAUR. Umstellungen im obstbau in Vorarlberg. Obst u. Gart. 6:70-71. May 1951. 80 Ob75
- 73955 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Suitable varieties of fruit. North. Ireland. Min. Agr. L. 15,9 p. 1951. 10 N81
- 73956 PLANTING, A. S. Fruitteelt [Fruit culture]. Groningen, Wolters, 1950. 192 p. (Handleiding bij het Lager Landen Tuinbouwonderwijs) 93.25 P69
- 73957 POTTER, J. M. S. Report of the National Fruit Trials 1921-1950. Roy. Hort. Soc. J. 76:240-252. (Cont.) July 1951. 84 L84J
- H. V. Taylor.
- 73958 PRATOLONGO, U. How and why yields of fruit crops vary periodically. (In Italian.) Humus 7(4):3-6. Apr.1951. 16 H88
- 73959 RASKIN, L. M. From the rostrum of the Conference on Northern Orchard Cultivation [in Novosibirsk, in 1951]. (In Russian.) Sad i Ogorod 3:21-24. Mar.1951. 80 Sa13
- 73960 RESCHIGLIAN, L. Scant setting in fruit trees. (In Italian.) Agr. Ferrarese 54:177-178. Aug.31,1950. 16 Ag87
- 73961 RESCHIGLIAN, L. Varieties of self-sterile fruits and their complementary plantings. (In Italian.) Agr. Ferrarese 54:196-197. Sept.30,1950. 16 Ag87
- 73962 ROACH, F. A. The fruit tree nursery. Nurseryman & Seedsman 113:24-25. July 5,1951. 80 N933
- Planting-out and budding rootstocks.
- 73963 ROLIN, P. Quelques aspects évolutifs de la culture fruitière commerciale. Fruit Belge 19:107-111. (Cont.) July 1951. 80 F9493
- 73964 ROLLINS, H. A. The fruit areas of America—New England. Amer. Fruit Grower 71(8):12-14. (Cont.) Aug.1951. 80 G85
- 73965 ROSENER, H. Noch einmal "vorzeitige vergreisung." Obstbauversring. Mitt. 6:23-24. Feb.1951. 85 J76
- Fruit culture.
- 73966 SCHACHL, M. Obstbau und bienenzucht, zwei untrennbare betriebszweige. Obst u. Gart. 6:65-66. May 1951. 80 Ob75
- 73967 SCHMID, G. Die umstellung des schweizerischen obstbaues auf weite sicht gesehen. Schweiz. Z. f. Obst- u. Weinbau 60:291-298. Aug.11,1951. 80 Sch9
- 73968 SERGEEV, L. I. Measures for the control of spring frosts in orchards. (In Russian.) Sad i Ogorod 3:79. Mar.1951. 80 Sa13
- 73969 SERGEEV, L. I. On the annual developmental cycle of fruit trees. (In Russian.) Sad i Ogorod 1951:25-27. Jan.1951. 80 Sa13
- 73970 SHEFTEL', I. M. For further development of mass experimentation. (In Russian.) Sad i Ogorod 2:50. Feb.1951. 80 Sa13
- Fruit research conducted by Nikitskii Botanicheskii Sad imeni V. M. Molotova.
- 73971 STURGIS, B. City lot orchard; useful but beautiful fruits, ideal for close quarters—can be easily substituted for ornamental shrubs. Org. Gard. 19(2):53-55. Aug.1951. 56.8 Or3
- 73972 THORSRUUD, J. The fruit and berry garden. (In Norwegian.) In Eriksen, N., ed. Hagebok for hvermann, p.61-104. Oslo, Gyldendal, 1951. 90.1 Er4
- 73973 TRUSEVICH, G. V. Seedlings of cultivated fruit varieties—into shelterbelt plantings. (In Russian.) Les i Step' 2(10):46-51. Oct.1950. 99.8 L565
- 73974 TUCKER, B. D. A. Fruit growing in the Eastern Counties. Gt. Brit. Min. Agr. Agriculture 58:186-190. July 1951. 10 G79J
- 73975 UKRAINSKII, I. V. The orchard in Altai. (In Russian.) Sad i Ogorod 3:16-17. Mar.1951. 80 Sa13
- 73976 WHITCOMB, W. D. Care of home fruit trees. Prof. Gard. 3:130-131. (Cont.) June 1951. 80 P945
- Spraying.
- 73977 WIRTH, A. G. Neuzettlicher obstbau in kleingarten und siedlungen. I. Grundlagen u. Fortschr. im Selbstversorger-Gartbau. 8,157 p. Ref. 1950. 80 G92
- Germany.
- 73978 ZUCCHINI, M. Origin and development of fruit culture in Ferrare. (In Italian.) Cong. Naz. di Frutticolt. Atti 3:124-142. 1949,pub.1950. 93.09 C769
- English summary.

Fruits--Citrus and Subtropical

- 73979 BERRILL, P. W. Banana eradication by the use of hormones. Queensland Fruit & Veg. News 1(30):17-20. June 1,1951. 280.38 Q3
- 73980 BITTERS, W. P. Rootstocks affect lemon fruit quality. Calif. Citrog. 36:439,460. Sept.1951. 80 C125
- 73981 CASA PACHECO, MARQUÉS DE. La explotación del olivo. Cult. Mod. 34:134. Apr.1951. 15 C89
- Spain.
- 73982 CASSIDY, H. P. New citrus varieties. Citrus Leaves 31(8):9-11. Aug.1951. 80 C492
- 73983 CHATELIER, P. A. The papaya fruit. Green Thumb [St. Petersburg] 1(8):12-14. June 1951. 80 G822
- 73984 COLLET, B. Voyage d'études des agrumiculteurs. Feuille d'Inform. Vitic. et Arbor. de Tunisie 24:3-7. May 1951. 80 F433
- 73985 CONDIT, I. J. Twenty-five years of fig breeding. Calif. Fig Inst. Proc. Annu. Res. Conf. 5:23-26. Mar.16,1951. 93.44 C122P
- 73986 CRANE, J. C., and MALLAH, T. S. Hormone treatments on rooting fig cuttings. Calif. Fig Inst. Proc. Annu. Res. Conf. 5:20-22. Mar.16,1951. 93.44 C122P
- 73987 CRANE, J. C. Seasonal development of caprifig and seedless Calimyrna figs. Calif. Fig Inst. Proc. Annu. Res. Conf. 5:8-10. Mar.16,1951. 93.44 C122P
- 73988 CUTSHALL, A. A pineapple landscape in Mindanao. Sci. Mon. 73:130-133. Aug.1951. 470 Sci23
- 73989 ENGELBRECHT, J. H. The replacement of old orchards. Citrus Grower 209:3-4. June 30,1951. 80 C495

73990 FERREIRA FILHO, O. J. A new crop for Brazil. (In Portuguese.) *Lavoura* 55:55. Mar./Apr. 1951.

9.2 L39

Olive culture.

73991 GABRIELIAN-BEKETOVSKAIA, E. A. Concerning the pomegranate plant. (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz.* 3:665-674. 1950. 20 Er4

73992 GIORDANO, B. Contribution to the history of the olive. (In Italian.) *Humus* 7(4):29-32. Apr. 1951. 16 H88

73993 GUTMAN, G. O. Industry expansion. Survey indicates uncompleted war service plans, with surplus from private plantings. *Citrus News* 27:73-74. May 1951. 80 C494

Australia.

73994 HAND, J. Florida's citrus boom. *Harvester World* 42(6):14-17. June 1951. 58.8 H26

73995 HENDRICKSON, A. H., and VEIHMEYER, F. J. Soil moisture conditions in fig orchards. *Calif. Fig Inst. Proc. Annu. Res. Conf.* 5:18-20. Mar. 1951. 93.44 C122P

73996 KEBBY, R. G. Citrus rootstocks influence fruit quality. *Grower [Adelaide]* 5(11):16-17. May 1951. 80 G912

73997 LAMBOUR M., R. El cultivo del naranjo. *Manabí, Ecuador. Consorcio de Cent. Agr. B.* 12(65):31-43. Jan./Mar. 1951. 9.5 M31

73998 LAMOUR, R. Le mandarinier: ce centenaire algerien! *Fruits et Primeurs de l'Afrique du Nord* 21:197-200. June 1951. 80 F9482

73999 LEBANON. SERV. DES RECHERCHES AGRICOLES. Histoire de l'olivier. *Beyrouth*, 1951. 24 p. 94.7 L49

74000 LIYANAGE, D. V. The relative merits of first and second bunch coconuts for seed purposes. *Trop. Agr. [Peradeniya]* 106:151-155. Oct./Dec. 1950. 26 T751

74001 LUNA ERCILLA, C. A. Dátiles argentinos. *Chacra* 21(248):27,80. July 1951. 9 C34

74002 LUNA ERCILLA, C. A. Producimos la mitad de la banana que comemos. *Chacra* 21(249):32. Aug. 1951. 9 C34

Culture.

74003 MACEOIN, G. Mejores cosechas y más ganancias en el trópico. *Hacienda* 46(8):43-44,54. Aug. 1951. 6 H11

Work of the Instituto de Investigaciones IBEC in increasing tropical crop yields in America.

74004 MARINUCCI, M. Details of olive pruning. (In Italian.) *Humus* 7(5):14-15. May 1951. 16 H88

74005 MORI, H., and HAMAGUCHI, K. Some experiments on commercial hand pollination of kaki (Japanese persimmon). (In Japanese.) *Hort. Assoc. Japan. J.* 19:98-106. June 1950. 87 H78

English summary.

74006 NAIK, K. C., and GANGOLLY, S. R. A monograph on classification and nomenclature of south Indian mangoes. *Madras, Govt. Press*, 1950. 311 p. 93.45 N14

74007 NAYAR, T. G. Short notes on banana varieties at Trinidad. *Indian J. Hort.* 8(2):31-39. Ref. June 1951. 80 In2

74008 NERSESIAN-SOROKINA, G. N. Tsvet lemon plants. (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:677-682. 1950. 20 Er4

74009 NESTERENKO, G. A. Cultivation of citrus crops in dug-outs. (In Russian.) *Sad i Ogorod* 2:43-47. Feb. 1951. 80 Sa13

74010 OPITZ, K. W. Troyer citrange rootstock propagation. *Calif. Citrog.* 36:454,456. Sept. 1951. 80 C125

74011 OPPENHEIM, J. D. Farming in Israel: citrus culture. *Pioneer* 2(2):4-7. Jan./Feb. 1951. 282.28 P65

74012 OSIPOV, I. G. Date palm in Turkmenia. (In Russian.) *Sad i Ogorod* 3:49-51. Mar. 1951. 80 Sa13

74013 PEREAU-LEROY, P. Expérimentation sur le palmier-dattier en Algérie. *Fruits* 6:238-240. June 1951. 80 F9492

74014 PY, C. Essai d'amélioration de la culture de l'ananas en Guinée Française. *Fruits* 6:235-237. June 1951. 80 F9492

74015 RADZHABLI, A. D. Medlar [*Mespilus germanica*] varieties of Azerbaïdzhân. (In Russian.) *Sad i Ogorod* 1951:30-32. Jan. 1951. 80 Sa13

74016 RENAUD-ARCAY, P. La taille de l'olivier. *Paris, Lechevalier*, 1950. 42 p. (Encyclopédie Biologique, No. 37) 94.7 R29

74017 RICHARDS, A. V. Top-working of mango in the dry zone. *Trop. Agr. [Peradeniya]* 106:148-150. Oct./Dec. 1950. 26 T751

74018 ROBAYO MESA, V. Posibilidades para el cultivo comercial del banana en la Costa del Pacífico. *Agr. Trop.* 6(9):12-14. Sep. 1950. 26 Ag8

Colombia.

74019 SAUER, M. R. Growth of orange shoots. *Austral. J. Agr. Res.* 2:105-117. Ref. Apr. 1951. 23 Au783

74020 SCARAMUZZI, F. Description and classification of cultivated strains of olives. (In Italian.) *Olivicoltura* 6(2):8-11. Ref. Feb. 1951. 80 OL42

74021 TASHMATOV, L. T. Experiment in growing rootstocks for citrus crops in Uzbekistan. (In Russian.) *Sad i Ogorod* 2:47-49. Feb. 1951. 80 Sa13

74022 TSULAI, V. I. On dates of rooting lemon cutting in Tadzhikistan. (In Russian.) *Sad i Ogorod* 1951:44-45. Jan. 1951. 80 Sa13

74023 VINCENTELLI, Le cedrat et l'angelique. *Rev. Hort. de l'Algérie* 55:43-44. Feb. 1951. 87 R32

74024 WINSLOW, M. M. Citrus in Louisiana. *Calif. Citrog.* 36:472. Sept. 1951. 80 C125

Fruits--Deciduous

74025 AGULIAN, S. L. Agrobiological peculiarities of Michurin species of apples under the conditions of mountain regions of Armenian SSR. (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:633-647. 1950. 20 Er4

74026 ALCANDER, T. Three new apple varieties. (In Swedish.) *Trädgårdstidningen* 23(4):12-13. Apr. 1951. 80 T67

74027 ARMSTRONG, W. D. Peach fruit bud survival at Princeton, Kentucky after 8 degrees below zero on November 25, 1950. *Fruit Varieties & Hort. Digest* 5:98-99. Winter 1950. 80 F9464

74028 BEAR, E. M. Thinning will be needed after all. *Grower [London]* 36:75. July 14, 1951. 286.83 M34

Apples.

74029 BOISJAN, J. Pour les prochaines plantations choisissez de bons fruits: voici les meilleures poires d'été et d'automne. *Libération Paysanne* 8(322):9. July 26, 1951. 14 L61

74030 BREGGER, J. T. Peach trees grow better on terrace ridge. *N. J. State Hort. Soc. Hort. News* 32:2420. July 1951. 81 N46

74031 BREVIGLIERI, N. Aspects and problems of apple culture. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:145-172. 1949, pub. 1950. 93.09 C769

English summary.

74032 BREVIGLIERI, N., and SOLAROLI, V. Pomological investigations. Descriptions and investigations of apple and pear varieties. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3(2), 51 plates with descriptions. 1949. pub. 1950. 93.09 C769

74033 BREVIGLIERI, N. Selection for the Province of varieties of apples up to 1929, in production or not in production in 1948, and preferred for new plantings. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:173-187. Ref. 1949, pub. 1950. 93.09 C769

English summary.

74034 BYRD, B. B. Apple color sports, a milestone on the industry's progress. *Fruit Varieties & Hort. Digest* 5:82-84. Winter 1950. 80 F9464

74035 CAPUCCI, C. Peach selections. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:460-464. 1949, pub. 1950. 93.09 C769

74036 CAPUCCI, C. Prunus mahaleb and seedlings as rootstocks for cherries. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:465-469. 1949, pub. 1950. 93.09 C769

74037 CARLONE, R. Grafting of pears on quince. (In Italian.) *Colt. e Gior. Vint. Ital.* 97:118-120. Apr. 30, 1951. 16 C72

74038 CARLONE, R. Presumable origin of the Piedmont variety of apples, "Morella." (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:454-459. Ref. 1949, pub. 1950. 93.09 C769

74039 CHEREDNICHENKO, A. M. Field planting of nursery [fruit] stock in one year. (In Russian.) *Sad i Ogorod* 2:9-12. Feb. 1951. 80 Sa13

74040 DAVENPORT, D. Profitable peach production. *Prog. Farmer, Tex. Ed.* 66(8):19. Aug. 1951. 6 T311

Fruit culture on a farm in Texas.

74041 DILANIAN, R. KH., and AGADZHANIAN, G. L. Rejuvenation of aging peaches. (In Russian.) *Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:687-707. 1950. 20 Er4

- 74042 FERGUSON, B. L., WOODWARD, R. S., and HAWTHORNE, L. Louisiana's program for peach production. La. Agr. Col. Ext. P. 1095, 18 p. May 1951. 275.29 L93Ep
Formerly Bulletin 7; Circular 259.
- 74043 GEL'FANDBEIN, P. S. Problems of shaping and accelerated fruitbearing. (In Russian.) Sad i Ogorod 2:23-28. Feb. 1951. 80 Sa13
- 74044 GOGIN, A. F. Rejuvenation of apricots. (In Russian.) Sad i Ogorod 2:33-35. Feb. 1951. 80 Sa13
Chiefly on pruning.
- 74045 GRAM, N. Ompodning af frugttræer [Regrafting of fruit trees]. Ed. 5. København, Clausen, 1950. 56 p. 93.5 G762
- 74046 GREEN, L. Plums. (In Swedish.) Trädgårdstidningen 23(4):11, 28-29. Apr. 1951. 80 T67
- 74047 HAUCK, J. F., and WALLER, A. G. Cut your loss from peach bruising. N. J. State Hort. Soc. Hort. News 32:2407-2420, 2422. July 1951. 81 N46
- 74048 HEGGDAL, R. Care of fruit trees. (In Norwegian.) In Ericksen, N., ed. Hagebok for hvermann, p. 105-144. Oslo, Gyldendal, 1951. 90.1 Er4
- 74049 HIEMELEERS, J. Cherry culture in Italy. (In Flemish.) Tuinbouwberichten 15:88-89. June 15, 1951. 80 T817
- 74050 HILKENBAUMER, F. Zur frage der unterlagenwahl bei apfelspindeln. Deut. Baumsch. 3:104-108. Apr. 1951. 80 D486
- 74051 HINKE, A. Continued clover and grass growing in orchards. (In Danish.) Gart.-Tid. 67:293-297. July 4, 1951. 80 G192
- 74052 HUBBARD, E. S. Are there too many apples? An earnest, determined effort is needed to leave off-grade fruit on the tree. Amer. Fruit Grower 71(8):18. Aug. 1951. 80 G85
- 74053 JOHNSTON, S. Origin of some important pear varieties. Amer. Fruit Grower 71(8):22. Aug. 1951. 80 G85
- 74054 KARANIAN, P. G. Plums in the mountain zone of the Armenian SSR. (In Russian.) Akad. Nauk Armianskoï SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:209-225. 1950. 20 Er4
- 74055 KARPOV, G. K. Apple pruning as a method for obtaining annual high yields. (In Russian.) Sad i Ogorod 3:24-32. Mar. 1951. 80 Sa13
- 74056 LAGAUE, V. Les possibilités du poirier dans le Midi par l'affranchissement. B. des Engrais 329:57-59. Mar. 1951. 57.8 B87
- 74057 LAMB, J. G. D. The apple in Ireland: its history and varieties. Roy. Dublin Soc. Econ. Proc. 4(1), 78 p. Ref. June 1951. 501 D85E
- 74058 LEBEDEV, V. V., and KUDRIAVTSEVA, A. N. Toward productive and lasting orchards. (In Russian.) Sad i Ogorod 1951:6-11. Jan. 1951. 80 Sa13
Chiefly on crown formation and apple pruning.
- 74059 LECOYER, M. La taille de nos arbres fruitiers. Cour. Hort. 13:197-198. Apr. 1951. 80 C834
- 74060 LUNDIN, Y. Pear culture. (In Swedish.) Trädgårdstidningen 23(6):14-15, 26, 28. June 1951. 80 T67
- 74061 MAURI, N. Abricotier et taille d'été. Fruits et Primeurs de l'Afrique du Nord 21:207. June 1951. 80 F9482
- 74062 METLITSKIĬ, Z. A. Study of rootstocks of fruit varieties. (In Russian.) Moskv. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok. 12:200-209. 1950. 20 M875
Chiefly on cherry.
- 74063 MINASIAN, S. M. Chemical appraisal of Michurin species of apple trees of Leninakansk plateau. (In Russian.) Akad. Nauk Armianskoï SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:735-740. 1950. 20 Er4
- 74064 MINASIAN, S. M., and GARIBDZHANIAN, S. P. Early species of peaches in the lower zone. (In Russian.) Akad. Nauk Armianskoï SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:323-331. 1950. 20 Er4
- 74065 MORETTINI, A. Aspects and problems of peach culture. (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:307-330. 1949, pub. 1950. 93.09 C769
English summary.
- 74066 MORETTINI, A. New varieties of hybrid pears under observation. (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:450-453. 1949, pub. 1950. 93.09 C769
- 74067 MURNEEK, A. E. Chemical thinning of apples. Mo. Agr. Expt. Sta. B. 553, 15 p. May 1951. 100 M693
- 74068 OPPERMAN, R. Der schnitt des steinobstes. Minden, Hachmeister & Thal, 1950? 48 p. (Lehrmeister-Bücherei, No. 40) 93.5 Op5
- 74069 PIROVANO, A. New varieties of pears and their regional adaptation. (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:331-335. Ref. 1949, pub. 1950. 93.09 C769
English summary.
- 74070 PLOCK, H. Nochmals: "die myrobalane—eine schlechte veredlungsunterlage." Obst u. Gart. 6:68-69. May 1951. 80 Ob75
- 74071 PODGAEVSKAIA, A. A. Pruning of fruit trees in order to regulate growth and fruit-bearing. (In Russian.) Sad i Ogorod 1951:11-18. Jan. 1951. 80 Sa13
Apples chiefly.
- 74072 RANDHAWA, G. S. Degree of compatibility of rootstock and scion with particular reference to deciduous fruit trees. Indian J. Hort. 8(2):22-26. Ref. June 1951. 80 In2
- 74073 RENNER, F. Vom wachsen und blühen der grösseren baumformen. Gartenbauwirtschaft [Wien] 1951: 28. Feb. 10, 1951. 80 G1936
Fruit.
- 74074 REYNTENS, H. Intensive culture of high crowned grassed orchards. IV. Tuinbouwberichten 15: 86-88. June 15, 1951. 80 T817
- 74075 SAPOZHKOVA, I. A. Speeding up fruit-bearing in apples. (In Russian.) Sad i Ogorod 1951:23-25. Jan. 1951. 80 Sa13
By pruning.
- 74076 SIMAKOV, N. S. On spreading orchards. (In Russian.) Sad i Ogorod 3:13-15. Mar. 1951. 80 Sa13
- 74077 SPECIALE, J. The great tree crops in Italy; the cherry. (In Italian.) Lotte Contadine 2(8):3-9. May 10, 1951. 16 L91
Varieties and culture.
- 74078 THOMAS, P. H. Fruit tree pruning. Fruit World & Mkt. Grower 52(6):21, 23, 25, 27. June 11, 1951. 80 F948
- 74079 THOMAS, P. H. Peach and nectarine growing in Tasmania. Grower [Adelaide] 5(9):27-31. Mar. 1951. 80 G912
- 74080 U. S. PATENT OFF. Plant patents. 2 Nos. 1951. 156.65 P69
Contents: 1,022. Swim, H. C. Peach tree. 2 p., 2 col. pls. July 24; 1,023. Swim, H. C. Nectarine plant. 2 p., 1 col. pl. July 24.
- 74081 VERBOVYĬ, K. A. Pruning of fruit trees which are entering the period of full fruit-bearing. (In Russian.) Sad i Ogorod 1951:19-22. Jan. 1951. 80 Sa13
- 74082 VINEY, R. Pruning young peach trees. Method designed to encourage maximum crops of fruit. Orchardist New Zeal. 24(5):3-5, 7. June 5, 1951. 80 Or19
- 74083 WIJDEN, L. V. D. Fruit thinning. (In Dutch.) Groenten en Fruit 6:876. June 7, 1951. 80 G89

Fruits--Small

- 74084 AGOSTO, R. How to increase the production and returns of specialized vineyards. (In Italian.) Colt. e Glor. Vinic. Ital. 97:100-101. Apr. 15, 1951. 16 C72
- 74085 ARCHER, E. La cueillette et l'exportation des myrtilles dans le Massif-Central. France. Min. de l'Agr. B. Tech. d'Inform. 58:267-275. Apr. 1951. 14 F844B
- 74086 BARBA, L. DELLA. For grape plantings. (In Italian.) Agr. Ferrarese 54:248-249. Nov. 30, 1950. 16 Ag87
- 74087 BARBA, L. DELLA. The walnut, guardian of the vine. (In Italian.) Agr. Ferrarese 54:239-241. Nov. 30, 1950. 16 Ag87
- 74088 BASTELEUS, R. L'ampelographie de l'amateur et du viticulteur debutant. Le muscat d'Alexandrie. Cour. Hort. 13:193-194. Apr. 1951. 80 C834
- 74089 BERGGREN, E. Raspberry culture. (In Swedish.) Trädgårdstidningen 23(5):10, 24. May 1951. 80 T67
- 74090 BERTIN, G. La pépinière viticole. Paysan Franç. 27(403):12. July 1951. 14 P29
- 74091 BOLLER, C. A. Growing blueberries in Oregon. Oreg. Agr. Expt. Sta. B. 499, 20 p. June 1951. 100 Or3
- 74092 BRANAS, J. Sur les muscats. Prog. Agr. et Vitic. 136:27-31. July 15/22, 1951. 14 P94
- 74093 BRAND, V. Black currants grown under contract. Grower [London] 36:119. July 21, 1951. 286.83 M34
Culture.
- 74094 BRUNNER, E. So werden kartonage- und pfropfen gepflanzt! Bauern Ztg. 4(21):9-10. May 25, 1951. 18 B324
- 74095 BUSH, R. The new look in strawberries. Grower [London] 36:26. July 7, 1951. 286.83 M34
Cultural problems.

- 74096 CACERES DIAZ, F. La vid en Tarija. Campo [La Paz] 5(47):5-7. Mar.1951. 9.1 C15 Culture.
- 74097 CHAVRIER, R. La défense des vignobles giron- dins contre la gelée. Vignoble Girondin 27(306):4. (Cont.) Apr.15,1951. 95.8 V683
- 74098 CHRIST, E. G. The 1951 strawberry season. N. J. State Hort. Soc. Hort. News 32:2405,2419. July 1951. 81 N46
- 74099 COLELLA, F. Producing hybrids. (In Italian.) Gior. di Agr. 61:198. June 24,1951. 16 It1G Grapes.
- 74100 COLLOMB. Un procédé automatique de dé- fense contre les gelées de printemps (le système Parrenin). Off. Internatl. du Vin. B. 24(244):95-98. June 1951. 390.8 B87
- 74101 CORNU, C. Une simplification sensationnelle dans la production des plants de vignes: la technique du paraffinage. Réveil Agr. 60:100-101. (Cont.) Apr.1,1951. 14 R322 In grafting.
- 74102 CUMMINGS, M. B. Promising bush fruits. Amer. Fruit Grower 71(8):15,29. Aug.1951. 80 G85
- 74103 DALMASSO, G. A serious loss for Sicilian viticulture. (In Italian.) Colt. e Gior. Vinic. Ital. 97:151-153. May 31,1951. 16 C72 Contributions of C. Rizzo to grape research.
- 74104 ERGESIAN, R. A. Bogar grape cultivation in Armenia. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:471-480. 1950. 20 Er4
- 74105 GABRIEL, F. Importance de l'ébourgeonnage de la vigne. Fruits et Primeurs de l'Afrique du Nord 21: 210. June 1951. 80 F9482
- 74106 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Soft fruit growing; bush fruits. Gt. Brit. Min. Agr. & Fisheries. B. 4,36 p. Nov.1950. 10 G794B Black and red currants and gooseberries.
- 74107 GRÉEN, S. Strawberries in Klocka. (In Swed- ish.) Trädgårdstidningen 23(1):14-15. Jan.1951. 80 T67
- 74108 HERRMANN, S. Bienenzucht und beerenobst. Imkerfreund 6:153-154. May 1951. 424.8 Im43
- 74109 JUDKINS, W. P. It's time to renew strawberry plantings. Va. Fruit 39(6):31. June 1951. 81 V81B
- 74110 JUDKINS, W. P. Pinch back new black rasp- berry canes. Va. Fruit 39(5):35-37. May 1951. 81 V81B
- 74111 KEIJZER, R. DE. Forced culture of straw- berries. Tuinbouwberichten 15:82-83,85. (In Flemish.) June 15,1951. 80 T817
- 74112 KHIZKILOV, I. KH. Little-studied native grape varieties of Tadzhikistan. (In Russian.) Vinodel. i Vино- grad. SSSR. 11(1):32-34. Jan.1951. 95.8 V77
- 74113 KRAVCHENKO, V. A. On growing grape root- stocks. (In Russian.) Sad i Ogorod 3:44-45. Mar.1951. 80 Sa13
- 74114 LACY, F. H. In the raspberry patch. Your Farm 10(8):118-121. Aug.1951. 6 Y8
- 74115 LARGILLIER-SEIBEL, H. J. Hybrides produc- teurs et peupliers-viticulteurs. Réveil Agr. 60:101-102,116. Apr.1-15,1951. 14 R322
- 74116 LENANDER, S. E. Cherry culture. (In Swed- ish.) Trädgårdstidningen 23(7):5-6,26,28. July 1951. 80 T67
- 74117 MARIMAN, G. Viticulture en plein air; chroni- que de l'année 1950. Cour. Hort. 13:199-201. (Cont.) Apr.1951. 80 C834
- 74118 MERCIER, H. Sur la défeuillaison de quelques porte-greffes viticoles. France. Min. de l'Agr. B. Tech. d'Inform. 58:261-263. Apr.1951. 14 F844B
- 74119 MINGUZZI, L. Everbearing strawberries. (In Italian.) Humus 7(4):25-26. Apr.1951. 16 H88 Italy.
- 74120 NILSSON, A. Strawberry culture. (In Swedish.) Trädgårdstidningen 23(5):7,21-22,24. May 1951. 80 T67
- 74121 OBERLE, G. D., and MOORE, R. C. Blueberry variety trials at Blacksburg, Virginia. Fruit Varieties & Hort. Digest 5:95-97. Winter 1950. 80 F9464
- 74122 OKER-BLOM, E. Strawberries grown under moveable coldframes. (In Swedish.) Labor [Helsingfors] 35(4):5-6,9. May 23,1951. 20 L11
- 74123 PATTERSON, V. How to grow bush fruits in the home garden. Ohio. Agr. Col. Ext. B. 323,16 p. July 1951. 275.29 Oh32 Berries and currants.
- 74124 PEYER, E. Wenn die traubenblüte vorbei ist. Schweiz. Z. f. Obst- u. Weinbau 60:264-267. July 14, 1951. 80 Sch9
- 74125 PIROVANO, A. A grape with the perfume of roses. (In Italian.) Terra e Sole 107:257-258. July 1951. 16 T273
- 74126 PROKOF'EV, S. D. Pruning of black currants. (In Russian.) Sad i Ogorod 2:29-33. Feb.1951. 80 Sa13
- 74127 RIVEROS, J. E. El injerto inglés de estaca. Chacra 21(249):42-43. Aug.1951. 9 C34 Grapes.
- 74128 RIVEROS, J. E. Las vides híbridas en la region del litoral. Chacra 21(248):30-31. July 1951. 9 C34 Argentina.
- 74129 ROACH, F. W. Strawberry varieties. Gard. Chron. 130:32-33. July 28,1951. 80 G162
- 74130 ROGOV, N. Result of planting a vineyard with green planting stock. (In Russian.) Sad i Ogorod 3:45-46. Mar.1951. 80 Sa13
- 74131 ROMANINI, A. Green pruning of grapes. (In Italian.) Avvenire Agr. 59:119-120. May 1951. 16 Av9
- 74132 ROMANINI, A. On the growing of grapes with grasses. (In Italian.) Avvenire Agr. 59:121. May 1951. 16 Av9
- 74133 ROY, E. Conditions naturelles du vignoble girondin. Vignoble Girondin 27(305):1-2. Mar.30,1951. 95.8 V683
- 74134 SARTORI, G. The grape harvest. (In Italian.) Seme 2:212-213. Sept.1950. 16 Se5 Italy.
- 74135 SCHMID, G. Bei der kontrolle des traubenbe- hanges. Schweiz. Z. f. Obst- u. Weinbau 60:301-302. Aug. 11,1951. 80 Sch9
- 74136 SCHROEDER, E. H. French-American hybrids as table grapes. Fruit Varieties & Hort. Digest 5:85-90. Winter 1950. 80 F9464
- 74137 SKUIN', K. P. A calendar memorandum for grape growers of the northern area. (In Russian.) Sad i Ogorod 3:47-48. Mar.1951. 80 Sa13 Grape culture.
- 74138 SKUIN', K. P. For the advancement of grape culture into the North [of U.S.S.R.]. (In Russian.) Sad i Ogorod 1951:35-41. Jan.1951. 80 Sa13
- 74139 TSEYTLIN, M. G. Toward further development of grape culture in Turkmenia and in Kara-Kalpak ASSR. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):17-19. Nov.1950. 95.8 V77
- 74140 VALLES NADAL, L. La reconstitución de los viñedos. Cult. Mod. 34:138-139. Apr.1951. 15 C89 Spain.
- 74141 WATIN, G. Mise au point concernant l'adapta- tion des hybrides et métiis français à la viticulture algéri- enne. Soc. des Agr. d'Algérie. B. 94:52-61. 1950/51. 24 So1
- 74142 ZAKHAROVA, E. I. Thickness of vine planting in vineyards. (In Russian.) Sad i Ogorod 3:39-43. Mar. 1951. 80 Sa13

Nuts

- 74143 BRYDEN, J. D. Nut trees are profitable. Fruit World & Mkt. Grower 52(6):13. June 11,1951. 80 F948 Australia.
- 74144 CHÁVEZ PORTILLO, D. La castaña o almen- dra boliviana. Campo [La Paz] 5(47):19-24. Mar.1951. 9.1 C15 Based on study by O. Pareja E. and information obtained from N. Giorgiou and the Cámara de Comercio e Indus- tria de Cobiya. Chiefly on culture.
- 74145 CHUKHNO, D. F. Walnuts in Ukraine. (In Russian.) Sad i Ogorod 1951:27-30. Jan.1951. 80 Sa13
- 74146 GAL'CHENKO, P. V. Spring sowing of walnut without stratification [of seeds]. (In Russian.) Sad i Ogorod 3:80. Mar.1951. 80 Sa13
- 74147 GINET, J. L'école anglaise de greffe du noyer. France. Min. de l'Agr. B. Tech. d'Inform. 58:265-266. Apr.1951. 14 F844B
- 74148 HERRIOT, G. M. Grafting the almond tree. Grower [Adelaide] 5(12):12. June 1951. 80 G912
- 74149 KALMYKOV, S. The nut forests of Southern Kazakhstan. (In Russian.) Lesn. Khoz. 4:44-47. Jan. 1951. 99.8 L5622
- 74150 KING, A. S. Ample moisture necessary for walnut production. Nowest. Nut Bowl 3:3,4. Aug.1951. 94.68 N81
- 74151 MORT, C. H. Almond variety and stock trials. Agr. Gaz. N. S. Wales 62:247-250,262-264. May 1,1951. 23 N472
- 74152 PENNSYLVANIA NUT GROWERS ASSOCIATION Report of the proceedings of the nineteenth annual meet- ing Harrisburg, January 11,1951. Marysville,1951. 54 p. 94.69 P38

- 74153 SADYKHOV, A. K. Local species of almonds. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:521-522. 1950. 20 Er4
- 74154 STIVER, C. E. Missouri plants black walnuts for the future. Natl. Gard. 22(7/8):12-13. July/Aug. 1951. 90.32 N21
- These ornamentals have an economic value in the rising market for the kernals.

Shade Trees and Ornamental Plants

- 74155 ADAMS, C. G. Eucalyptus globulus. Lasca Leaves 1:18-20. Spring 1951. 450 L33
- 74156 AFRICAN VIOLET SOCIETY OF AMERICA. Members' handbook, 1950-1951. Atlanta? 1951. 65 p. 96.06 Af8M
- 74157 ALLWOOD, R. Carnations in hot weather. Gard. Illus. 68:211-212. Aug. 1951. 80 G 169
- 74158 AMERICAN CARNATION SOCIETY. Fifty-seventh annual meeting and convention, proceedings, March 4, 5, 6, 1951, Dayton, Ohio. Philadelphia, 1951. 99 p. 81 Am37
- 74159 AMERICAN ORCHID SOCIETY. Yearbook 1951. New York, 1951. 78 p. 81 Am397
- 74160 AMERICAN ROSE SOCIETY. A guide for beginners on growing roses. Harrisburg, 1951? 7 p. 96.1 Am31G
- 74161 AMSLER, A. Judging. Glad Fan 5(2):9-10, 25. Summer 1951. 80 C453
- 74162 ANDERSON, L. You can forget about the water; carry your leaf cuttings without fuss or bother they are tougher than you think they are. African Violet Mag. 4(4): 23. June 1951. 80 Af8
- 74163 ARNOLD, R. E. Cattleya dowiana. Orchid Rev. 59:104, 106. July 1951. 80 Or15
- 74164 ARNOLD, R. E. Cypripedium parishii. Orchid Rev. 59:122-123. Aug. 1951. 80 Or15
- 74165 AVERY, G. S. JR. Lapland—magnificent and strangely interesting. Plants & Gard. 7:76-83. Summer 1951. 450 P694
- Flowers in the world's northernmost gardens.
- 74166 BACHER, J. G. The enduring house plant [Billbergia nutans]. Bromeliad Soc. B. 1:25-26. May/June 1951. 451 B78
- 74167 BACKEBERG, C. The Marnier gardens in southern France. Cactus & Succulent J. 23:127-129. July/Aug. 1951. 451 C11
- 74168 BACKEBERG, C. Some results of twenty years of Cactus research. II. Cactus & Succulent J. 23:117-124. July/Aug. 1951. 451 C11
- 74169 BALLS, E. K. Three plants of the chaparral. Natl. Hort. Mag. 30:136-142. July 1951. 80 N216
- Adenostoma fasciculatum, Ceanothus verrucosus and Arctostaphylos glauca.
- 74170 BARBER, A. C. The charm of biennials. My Gard. 42:469-477. May 1951. 80 M995
- 74171 BARTON, H. K. A sextet of stonecrops. My Gard. 42:515-519. May 1951. 80 M995
- Flowers for rock gardens.
- 74172 BARTRUM, D. An alpine border. My Gard. 42:599-602. June 1951. 80 M995
- 74173 BAWDEN, H. E. Favourite smaller Irises. My Gard. 43:46-51. July 1951. 80 M995
- 74174 BAYNES, A. Plants for beginners. 5. Cacti. III. Natl. Cactus & Succulent J. 6:21. June 1951. 450 N21
- 74175 BEALE, J. H. Magnolias. Gard. J. 1:45-46, 52. Mar./Apr. 1951. 80 G1635
- 74176 BEANE, J. B. Intermediate report on "Stockdale's closed system." Amer. Crchid Soc. B. 20:477-479. Aug. 1951. 80 Am329
- 74177 BEAUCHESNE, M. Culture des oeillets. Canad. Florist 46(7):14-16, 26. Apr. 14, 1951. 80 C163
- 74178 BELENGER, E. Les pervenches [Vinca]. B. Hort. (n.s.):6:146-148. May 1, 1951. 80 B873
- 74179 BELL, L. P. Follow these simple pointers for basic flower arrangements. Garden 55(4):36-37. Sept. 1951. 80 G1632
- 74180 BEYERLE, H. J. The Iris test program. Mega 11(1):12. Dec. 1950. 90.32 M52B
- 74181 BIESALSKI, E. List of varieties of Irises from 1939 till 1949 and 1950. Amer. Iris Soc. B. 122:70-72. July 1951. 81 Am39
- 74182 BIRCH, R. Bulbs, bedding plants, seeds, shrubs and sundries. In The modern florist, p. 202-217. London, Pearson, 1951? 96.04 M72
- 74183 BLEEKER, G. Tuin kunst; het ontwerpen en tekenen van kleine villatuinen [Landscape gardening; the designing and drawing of small villa garden]. Alkmaar, Arti, 1950. 109 p. 98 B61
- 74184 BOYER, J. Les Cactacees dans leur pays, les reines de la nuit. Cactus [Paris] 6:33-38. June 15, 1951. 450 C114
- 74185 BRIDGES, MRS. W. A. The famous fifteen. Natl. Gard. 22(5/6):10-12. May/June 1951. 90.32 N21
- On flower shows.
- 74186 BROWN, E. Rhododendron in primeval culture. Amer. Rhododendron Soc. Q. B. 5:74-77. Apr. 16, 1951. 81 Am398
- 74187 BROWN, S. W. Lilies in Florida. Flower Grower 38(8):42-43. Aug. 1951. 80 M72
- 74188 BROWNELL, A. Standing on two legs; a supplemental cash crop from the poultry farm. Eggsaminer 28(8):6. Aug. 1951. 286.85 Eg32
- Holly as a supplemental crop.
- 74189 BRYDON, P. H. The propagation of hybrid Rhododendrons from cuttings. Amer. Rhododendron Soc. Q. B. 5:78-80, 131-134. Apr. 16, 1951. 81 Am398
- 74190 BUCKLEY, A. R. Plants at Ottawa, shrubs. Canad. Florist 46(11):21-22. June 16, 1951. 80 C163
- 74191 BURKE, E. Let's arrange roses. Harrisburg, Pa., McFarland, 1951. 122 p. 96.03 B91
- 74192 BUTTERFIELD, H. M., and CARLETON, E. M. Point scores for judging Begonias. Begonian 18:121-123. June 1951. 96.511 B39
- 74193 CARDWELL, I. Chrysanthemum cuttings in July. Grower [London] 36:73-74. July 14, 1951. 286.83 M34
- 74194 CARRA, P., and GUEIT, M. Les plantes de bordure. Rev. Hort. de l'Algérie 55:47-59. (Concl.) Feb. 1951. 87 R32
- 74195 CARTER, J. E. Just to show you. No. Amer. Gladiolus Council. B. 26:5, 7, 9-10. June 1951. 96.43 N81
- 74196 CASAMAJOR, R. Orchid flower judging in Southern California. Amer. Orchid Soc. B. 20:265-267. May 1951. 80 Am329
- 74197 CASEY, J. Colorful bulbs of the Southwest. II. Org. Gard. 19(2):32-34. Aug. 1951. 56.8 Or3
- 74198 CHABOT, E. D. Greenhouses are popular with MGCA members. Mega 11(1):7. Dec. 1950. 90.32 M52B
- 74199 CHAN, A. Rose growing problems. Canad. Florist 46(13):20-22. July 14, 1951. 80 C163
- 74200 CHANSLER, W. S. Bloodroot [Sanguinaria canadensis]. Wild Flower 27:5. Jan. 1951. 451 W642
- 74201 CHERVENKA, F. Objectives of the Northwest Bulb Growers Association. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:6-7. 1950. 81 N818
- 74202 CHEVALIER, C. Hybrid Bromeliaceae in Europe. Bromeliad Soc. B. 1:19-24. May/June 1951. 451 B78
- 74203 CHEVALIER, H. Les lilas. B. Hort. (n.s.):6: 136-138. May 1, 1951. 80 B873
- 74204 CLAAR, E. A. Daylilies are tough. Mega 11 (1):10-12. Dec. 1950. 90.32 M52B
- Varieties.
- 74205 CLARKE, D., and O'SHAUGHNESSY, M. The simplified guide to flower arranging. New York, Homecrafts, 1951. 96 p. 96.03 C55
- 74206 COMBER, J. Pernettyas. My Gard. 43:68-69. July 1951. 80 M995
- 74207 COOK, F. Super Iris for a dollar or less. Amer. Iris Soc. B. 122:23-26. July 1951. 81 Am39
- 74208 CORLISS, P. G. Hemerocallis comes of age. Natl. Hort. Mag. 30:146-153. July 1951. 80 N216
- 74209 COUNT, R. D. Training Fuchsias. Fuchsia Fan 11(5):4-5. May 1951. 96.532 F952
- 74210 COWAN, J. M. Rhododendrons in a Scottish garden, a Himalayan prospect. Amer. Rhododendron Soc. Q. B. 5:127-130. July 16, 1951. 81 Am398
- 74211 CURTIS, A. E. Oriental poppies. Mega 11(2): 12-13; (3):11-12. Mar.-June 1951. 90 M52B
- 74212 CURTIS, R. W. Plants for birds and gardeners. Cornell Plantations 7:45-47. (Cont.) Spring 1951. 409.6 C812
- 74213 DANIELSSON, R. A flowering terrace. (In Swedish.) Trädgårdstidningen 23(2):11, 28-29. Feb. 1951. 80 T67
- 74214 DANVIG, A. M. Hundrede stueplanter [A hundred house plants]. Ed. 3. København, Clausen, 1950. 107 p. 96.06 D232

- 74215 DEARMENT, R. D. Trifoliate-orange, a living fence. Okla. Game & Fish News 6,i.e.7(4):10-11. Apr. 1951. 410 Ok4
- 74216 DECKER, J. S. Let us treat our valuable roses with care. (In Portuguese.) Chacaras e Quintais 83:701-703. June 15, 1951. 9.2 C34
- 74217 DECKER, J. S. Seven leagues (Pandorea ricasoliana Baill.) and other dazzling climbers. (In Portuguese.) Chacaras e Quintais 83:765-766. June 15, 1951. 9.2 C34
- 74218 DECUYPERE, J. Can Chrysanthemums do their best without having been grown in a pot? (In Flemish.) Tuinbouwberichten 15:90-91. June 15, 1951. 80 T817
- 74219 DE GRAAFF, J. Lilies: new hybrids. Flower Grower 38(8):21,40-41. Aug. 1951. 80 M72
- 74220 DENGLER, H. W. Ilex opaca Aiton—holly for the Maryland gardener. Md. Gard. 5(5):2-4. May 1951. 80 M362
- 74221 DEYOUNG, R. Gesneriaceae are interesting! African Violet Mag. 4(4):11,46-47. June 1951. 80 Af8
- 74222 DICTIONNAIRE botanique des Cactées et plantes grasses. Cactus [Paris] 6(27):13-20. Mar. 15, 1951. 450 C114
- 74223 DIEHL, E. Niagara's college of garden beauty. Prof. Gard. 3:133-135. June 1951. 80 P945
- 74224 DOBIE, J. F. Texas' wild flowers having a tough time. Wild Flower 27:29-31. Apr. 1951. 451 W642
- 74225 DORMON, C. A new race of garden Irises. Amer. Iris Soc. B. 122:62-66. July 1951. 81 Am39
- 74226 DORT, H. W. V. Caladiums. (In Dutch.) Bloemisterij 25(26):3. June 29, 1951. 80 B624
- 74227 DORT, H. W. V. Peiargonium culture in practice. (In Dutch.) (Cont.) Bloemisterij 25(23):4. June 8, 1951. 80 B624
- 74228 DOTY, M. B. Bulb auctions. No. Amer. Gladiolus Council. B. 26:34-35. June 1951. 96.43 N81
- 74229 DOUGLAS, A. A small outdoor garden for beginners. Natl. Cactus & Succulent J. 6:25-26. June 1951. 450 N21
- 74230 DOWLING, G. T. Candelabra primroses. I Arboretum B. 14(2):17-19,29-31. Summer 1951. 451 Ar1
- 74231 EMMER, J. Jardins mexicains. Cactus [Paris] 6:39-42. June 15, 1951. 450 C114
- 74232 EMSWELLER, S. L. Floricultural research in U. S. D. A. Mega 11(1):22-27. Dec. 1950. 90.32 M52B
- 74233 ENTRES, K. Lobelia (Lobelia inflata). Obst u. Gart. 6:30-31. Feb. 1951. 80 Ob75
- 74234 FEHLANDT, P. R. Additional notes on transplanting orchid seedlings. Nowest. Orchid B. 2(6):9-10. June 1951. 96.2 N81
- 74235 FERRY, P. The invincible skypilot [Polemonium eximium]. Amer. Forests 57(8):28,40. Aug. 1951. 99.8 F762
- 74236 FISCHER, W. Von frühlings-adonisröschen. Kosmos 47:114. Mar. 1951. 474 K842
- 74237 FLEMING, J. Floristry and flower arranging. Kingswood, Surrey, World's Work, 1951. 87 p. 96.03 F62
- 74238 FLEMING, J. R. University of Nebraska Chrysanthemums. Natl. Chrysanthemum Soc. B. 7:43-44. June 1951. 96.519 Ea7
- 74239 FORBES, A. W. How much work is a garden? Garden 55(4):40-41. Sept. 1951. 80 G1632
- 74240 FOWLER, H. A good shade garden. Green Thumb [Denver] 8(8):18-19. Aug. 1951. 80 G82
- 74241 FOX, R. B. Notes on the orchids and people of northeast Polillo Island, Quezon Province. Philippine Orchid Rev. 3(1):16-21. Feb. 1950. 80 P53
- 74242 FREEMAN, C. M. New Magnolia hybrids. Natl. Hort. Mag. 30:132-135. July 1951. 80 N216
- 74243 FURUTA, T. Pinching levels growth, aids uniformity in development of sprays on pompon mums. Florists' Exch. 117(8):10,42. Aug. 25, 1951. 80 F666
- 74244 FURUTA, T. Spray formation of pom Chrysanthemums. South. Florist & Nurseryman 64(20):90-92. Aug. 10, 1951. 80 So86
- 74245 GALLAHER, A. Woodland Park Rose Garden. Arboretum B. 14(2):10-11,27-28. Summer, 1951. 451 Ar1
- In Seattle, Washington.
- 74246 GANNON, R. Color in dried arrangements. Flower Grower 38(8):30-31,60. Aug. 1951. 80 M72
- 74247 GATLEY, P. Creation of the beautiful. My Gard. 42:419-422. Apr. 1951. 80 M995
- 74248 GEORGET, P. Floriculture. Lausanne, Rouge, 1950. 239 p. (Manuel d'Horticulture) 96 G29
- 74249 GHOSE, B. N. Cryptochilus sanguinea. Austral. Orchid Rev. 16:27. Mar. 1951. 80 Au73
- 74250 EASTWOOD, T. M., and GIANFAGNA, A. J. Corncob muich for greenhouse roses. N. Y. State Flower Growers. B. 68:8. Apr. 1951. 80 N486
- 74251 ELKAN, E. Euphorbiae for beginners. Natl. Cactus & Succulent J. 6:29-31. June 1951. 450 N21
- 74252 ELLIOTT, B. W. What you should know about arranging cut flowers. East. States Coop. 27(8):16-17. Aug. 1951. 280.28 Ea7
- 74253 ELLIOTT, D. The golden rayed lily [L. auratum]. Flower Grower 38(8):22,46. Aug. 1951. 80 M72
- 74254 ELLIS, C. K. The culture of succulent plants in the flower garden. New Zeal. J. Agr. 82:369,371. Apr. 16, 1951. 23 N48J
- 74255 GILGUT, C. J. Propagation of woody plants, fascinating and profitable. Plants & Gard. 7:98-106. Summer 1951. 450 P694
- 74256 GINNS, R., and SCOTT, S. H. Two experts on staging exhibits. Natl. Cactus & Succulent J. 6:39-41. June 1951. 450 N21
- 74257 GLINZ, M. Die I. Schweiz. Gärtnermesse Zürich. Gärtnermeister 54:146-147. May 10, 1951. 80 G1839
- 74258 GOULD, C. J. Iris curing—results of the 1949-50 trials. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:28-30. 1950. 81 N818
- 74259 GRAF, A. B. Modern foliage plants. 5-8. Florists' Rev. 108(2798):18-19; (2800):19-20; (2802):27-28; (2803):27-28. July 12, July 26, Aug. 9-16, 1951. 80 W41
- 74260 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Narcissus culture. Gt. Brit. Min. Agr. & Fisheries B. 44,39 p. 1951. 10 G794B
- 74261 GREEN, G. G. Senecio. Cactus & Succulent J. Gt. Brit. 13:58-67. July 1951. 450 C113
- 74262 GREEN, H. Planting and maintenance of window boxes. In The modern florist, p.218-223. London, Pearson, 1951? 96.04 M72
- 74263 GREEN, S. The perennial problem. (In Swedish.) Trädgårdstidningen 23(6):9-11. June 1951. 80 T67
- 74264 GUDE, G. Boxwood [Buxus]. Md. Gard. 5(5):10. May 1951. 80 M362
- 74265 HALL, H. Euphorbia caput-medusae, L. Cactus & Succulent J. Gt. Brit. 13:73. July 1951. 450 C113
- 74266 HAMETER, E. Wasserbecken einmal anders. Obst u. Gart. 6:72-73. May 1951. 80 Ob75
- 74267 HANSTVEIT, M. A visit in "Nova Nursery," Hedehusene, Denmark. (In Norwegian.) Gartneryrket 41:455-456. June 23, 1951. 80 G1938
- Chiefly on the culture of tulips.
- 74268 HARADA, T. An account of the exported flower lilies. (In Japanese.) Jap. J. Plant Protect. 20:14-26. Feb. 1951. 421 J27
- 74269 HARDY, J. Careless watering spells carnation trouble. Nurseryman & Seedsman 112:1606-1608. May 24, 1951. 80 N933
- 74270 HARP, H. F. That old favorite, bearded Iris now sports a new look. Farm & Ranch Rev. 47(6):24-25. June 1951. 7 F223
- 74271 HARVARD UNIVERSITY. DEPT. OF LANDSCAPE ARCHITECTURE. Landscape architecture, edited by L. Collins and T. Gillespie. Cambridge, Mass., 1951. 76 p. 98 H26
- 74272 HAUGH, F. Care of lawns in summer. Green Thumb [St. Petersburg] 1(9):13. July 1951. 80 G822
- 74273 HAUSZER, K. Kultur und vermehrung von Papaver orientale. Gartenbauwirtschaft [Wien] 6:61-62. Mar. 25, 1951. 80 G1936
- 74274 HAWKES, A. D. Bulbophyllum falcatum, (Ldl.) Rechb.f. Austral. Orchid Rev. 16:22. Mar. 1951. 80 Au73
- 74275 HAWKINS, R. R., and ABBE, C. H. Arbors and trellises, breezeways, fences and gates, small buildings. New York, Van Nostrand, 1951. 151 p. (The Home Mechanic's Outdoor Library) 97.5 H31
- 74276 HAWKINS, R. R., and ABBE, C. H. Garden pools, fountains, swimming pools, sprinkling systems, recreation areas. New York, Van Nostrand, 1951. 139 p. (The Home Mechanic's Outdoor Library) 97.5 H31G
- 74277 HAWKINS, R. R., and ABBE, C. H. Outdoor fireplaces and grills, walls and tree wells, terraces, incinerators. New York, Van Nostrand, 1951. 149 p. (The Home Mechanic's Outdoor Library) 97.5 H310
- 74278 HAWKINS, R. R., and ABBE, C. H. Walks and paths, driveways, steps, curbs, and edgings. New York, Van Nostrand, 1951. 164 p. (The Home Mechanic's Outdoor Library) 98 H31

- 74279 HAZELWOOD, W. G. The introduction of Camellias into Australia. *Camellia Rev.* 12(8):3,14-15. July 1951. 97.31 So82
- 74280 HENDERSON, I. B. Color and your garden. *Amer. Iris Soc. B.* 122:31-37. July 1951. 81 Am39
- 74281 HENDERSON, W. H. Hibiscus. *Calif. Hort. Soc. J.* 12:120-121. July 1951. 81 C1293
- 74282 HERBERT, J. An oasis in East London. *Gard. Illus.* 68:210-211. Aug. 1951. 80 G169
- 74283 HERMANN, L. Dahlien 1951. *Gart.-Z. Illus. Flora* 74:37-40. Apr. 1951. 80 G1991
- 74284 HERRE, H. Annual Mesembryanthemum. *Cactus & Succulent J. Gt. Brit.* 13:68. July 1951. 450 C113
- 74285 HERRE, H. *Crassula hottentotta* Marl. et Schönl. *Desert Plant Life* 23:46. Apr. 1951. 450 D45
- 74286 HILLSON, N. El transporte de árboles se ha convertido en una industria. *Mensajero Forest.* 9(81):15-16. Mar./Apr. 1951. 99.8 M522
- Ornamentals.
- 74287 HOARE, E. R. A new technique in bulb planting. *Grower [London]* 36:117-118. July 21, 1951. 286.83 M34
- 74288 HODGSON, C. G. Bromeliads in Australia. *Bromeliad Soc. B.* 1:14-16. Mar./Apr. 1951. 451 B78
- 74289 HOFF, S. Many kinds of gardens. (In Norwegian.) In Eriksen, N., ed. *Hagebok for havermann*, p. 11-60. Oslo, Gyldendal, 1951. 90.1 Er4
- 74290 HOGG, R. B. The points system of judging. *Austral. Orchid Rev.* 16:11-13. Mar. 1951. 80 Au73
- Includes comment by R. Vick.
- 74291 HOLLEY, W. D. Carnation cuttings should not be sealed air tight. *Colo. State Flower Growers Assoc. B.* 21:2-3. July 1951. 81 C715
- 74292 HOLLY SOCIETY OF AMERICA. Proceedings of the eighth meeting, Brooklyn, New York, March 29 & 30, 1951. Brooklyn, 1951. 13 p. 97.31 H72P
- 74293 HOTCHKISS, MRS. G. C. Roses of yesterday. *Kans. Gard.* 13(3):1-3. June 1951. 80 K13
- 74294 HUBBARD, F. C. Lilies; propagating from scales. *Flower Grower* 38(8):23,47. Aug. 1951. 81 M72
- 74295 HUDSON, C. J., JR. Bermuda lawns thrive on good care. *Mega* 11(1):19. Dec. 1950. 90.32 M52B
- From "The Good Earth," Memphis.
- 74296 HUDSON, R. L. Veronica or Hebe? *Calif. Hort. Soc. J.* 12:111-114. July 1951. 81 C1293
- 74297 HUME, E. P. Some ornamental shrubs for the Tropics. *P. R. Fed. Expt. Sta. (Mayaguez) C.* 34, 151 p. Ref. May 1951. 1 Ex65
- 74298 HUNTLEY, M. Attractive walls. *My Gard.* 42:499-502. May 1951. 80 M995
- 74299 HUTH, K. Lohrende topfpflanzen. Ed. 2. *Gärt. Berufspraxis* 2,76 p. 1950. 80 G1945
- 74300 HUTTLESTON, D. G. Plant classification, folklore and economics of holly. *Holly Soc. Amer. Proc.* 8:9-11. 1951. 97.31 H72P
- 74301 IAKOVLEV, M. I. Transplanting of big trees with frozen clod. (In Russian.) *Lesn. Khoz.* 4(3):92-93. Mar. 1951. 99.8 L5622
- 74302 INGWERSEN, W. The "Bunnery." *My Gard.* 43:39-42. July 1951. 80 M995
- Varieties of Alpine plants.
- 74303 INGWERSEN, W. Dissimilar beauties, three first-rate commercial plants. *Nurseryman & Seedsman* 112:1792-1793. June 14, 1951. 80 N933
- Pleione pricei*, *Gentiana amoena* and *Erinacea anthyllis*.
- 74304 INGWERSEN, W. Hardy Geraniums for the small rock garden. *My Gard.* 42:350-354. Apr. 1951. 80 M995
- 74305 INGWERSEN, W. Midsummer glories, pageant of colour in the rock garden. *Nurseryman & Seedsman* 113:144-145. July 19, 1951. 80 N933
- 74306 INGWERSEN, W. *Ramonda nathalae alba*. *My Gard.* 42:382. Apr. 1951. 80 M995
- 74307 INGWERSEN, W. Tracking down a treasured *Dianthus*, one of a well-tried reliable trio. *Nurseryman & Seedsman* 112:1156-1157. Apr. 12, 1951. 80 N933
- 74308 JAMES, S. C. Some observations on the *Cattleya* group. *Austral. Orchid Rev.* 16:44-46. June 1951. 80 Au73
- 74309 JANSE, J. A. Hybrids of *Tulipa kaufmanniana* and *Tulipa greigii*. *Tulip Tidings* 4(2):5. Second Q. 1951. 96.49 T822
- 74310 JENSEN, MRS. J. W. Rex Begonias. *Fuchsia Fan* 11(7):6-7. July 1951. 96.532 F952
- 74311 JOHNSON, A. T. *Calluna [vulgaris]*. *Roy. Hort. Soc. J.* 76:232-236. July 1951. 84 L84J
- 74312 JOHNSON, D. F. Iris evaluation. *Amer. Iris Soc. B.* 122:51-54. July 1951. 81 Am39
- 74313 JOHNSON, S. Low border and edging plants. *Green Thumb [Denver]* 8(8):12-13. Aug. 1951. 80 G82
- 74314 JONES, H. C. Gardening terms of the Welsh marches. *My Gard.* 42:539-541. May 1951. 80 M995
- 74315 JONES, R. W. The supreme court of the orchid world. *Orchid Rev.* 59:100-102. (Concl.) July 1951. 80 Or15
- 74316 KACHELHOFFER, F. Water for my orchids. *Oreg. Orchid Soc. B.* 5(6):4-5. June 1951. 80 Or34
- 74317 KAHLERT, H. E. An Iris fancier comments on Iris. *Mega* 11(2):18-20. Mar. 1951. 90 M52B
- From "Garden Spray," Minneapolis.
- 74318 KAMMERER, E. L. Appraising some of the lesser known flowering crabapples. *Morton Arboretum. B. Pop. Inform.* 26:21-24. June 1951. 99.9 M84
- 74319 KAMMERER, E. L. Mockoranges (*Philadelphus*). *Morton Arboretum. B. Pop. Inform.* 26:25-28. July 1951. 99.9 M84
- 74320 KAVUFNIK, L. Gidul perahim lekati [The raising of flowers for cutting]. Tel-Aviv, Defus Memshalah? 1951. 9 p. 96 K17
- 74321 KENNEDY, K. Australian orchids. Scented sun: *Thelymitra aristata*. *Orchid Rev.* 59:107,109. July 1951. 80 Or15
- 74322 KIAER, E. Butterfly magnets. (In Danish.) *Haven* 51:100-101. July/Aug. 1951. 80 H29
- Ornamental plants.
- 74323 KIPLINGER, D. C. Tips to carnation growers. *Amer. Carnation Soc. Proc.* 57:69-72. 1951. 81 Am37
- 74324 KNAPP, D. J. Tips on growing Peonies. *Flower Grower* 38(8):24-25,56. Aug. 1951. 80 M72
- 74325 KNIGHT, H. H. A selected list of *Gladiolus* varieties. *No. Amer. Gladiolus Council. B.* 26:49-68. June 1951. 96.43 N81
- 74326 KOBAYASHI, N. Bonsai - miniature potted trees. Tokyo? Japan Travel Bur., 1950. 177 p. (Tourist Library, No. 13) 96.06 K79
- 74327 KOPPESSCHAAR, W. F. Japanese cherries. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:212. July 6, 1951. 80 V22
- 74328 KRAUS, E. J. Garden Chrysanthemums will bloom in unusual spots if transplanted in bud. *Plants & Gard.* 7:110-112. Summer 1951. 450 P694
- 74329 KRONBERG, K. Our garden. VII. The mountain blooms. (In Swedish.) *Trädgårdstidningen* 23(2):22. Feb. 1951. 80 T67
- 74330 LABRUYERE, J. Flower stands as façade decoration. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:220. July 13, 1951. 80 V22
- 74331 LANDWEHR, J. Teken en van bomen en heesters [Drawings of trees and shrubs]. Amsterdam, Ahrend, 1950. 16 p. 99.05 L23
- 74332 LAURIE, A. Carnation growers and sales promotion. *Amer. Carnation Soc. Proc.* 57:77-80. 1951. 81 Am37
- 74333 LAWTON, H. Can African violets summer out of doors. *African Violet Mag.* 4(4):8-10. June 1951. 80 A18
- 74334 LEACH, D. G. Observations on breeding *Rhododendrons*. *Amer. Rhododendron Soc. Q. B.* 5:124-126. July 16, 1951. 81 Am398
- 74335 LENZ, L. W. Propagation of *Iris innominata*. *Calif. Hort. Soc. J.* 12:61-63. Apr. 1951. 81 C1293
- 74336 LIBOWITZKY, J. A. Topfpflanzen abhärten! *Gart.-Z. Illus. Flora* 74:40-41. Apr. 1951. 80 G1991
- 74337 LICINI, J. J. Varietal comments. *Amer. Iris Soc. B.* 122:47-50. July 1951. 81 Am39
- 74338 LIEBI, W. Zur kultur der *Pelargonium grandiflorum*. *Gartnermeister* 54:121-122. Apr. 19, 1951. 80 G1939
- 74339 LINDBERG, E. Let the walls grow green. (In Swedish.) *Trädgårdstidningen* 23(1):9,30. Jan. 1951. 80 T67
- Climbing plants for the house.
- 74340 LOWIG, E. Einheitliche bezeichnung für grassamenmischungen ausserhalb landwirtschaftlicher nutzungen. *Saatgut-Wirt.* 3:103-104. May 1951. 61.8 Sa1
- 74341 LOWREY, J. H. Those roses of Paestum. *Amer. Rose Mag.* 10(7):27-28. July/Aug. 1951. 80 Am327A
- 74342 LYONS, W. E. Give your lawn a lift. *Mega* 11(2):14-17. Mar. 1951. 90 M52B
- 74343 MCCLEAVE, F. On collecting Cactus; their charm belongs to the sublime and the ridiculous, and the demands which they make are few. *Field* 197:995-996. June 23, 1951. 10 F45

- 74344 MCCLINTOCK, E. Studies in California ornamental plants. 3. The tamarisks. Calif. Hort. Soc. J. 12:76-83. Ref. Apr.1951. 81 C1293
- 74345 MCCOMBS, L. How cheap can a good Iris get? Amer. Iris Soc. B. 122:42-46. July 1951. 81 Am39
- 74346 MCCULLY, A. Plants for hot places in the garden. Garden 55(4):33-35. Sept.1951. 80 G1632
- 74347 MCVITTIE, M. B. On growing Renanthera. Philippine Orchid Rev. 3(2):12-15. June 1950. 80 P53
- 74348 MANG, J. Tausendfeuerstadt und doch stadt im grünen. Unser Wald 4(4):10. Apr.1951. 99.8 Un7
- Landscape planting in an industrial city.
- 74349 MANLEY, T. R. For the good of the industry—test gardens. Ohio State Gladiolus Soc. B., Apr.1951:4-8. 96.43 Oh3
- Gladiolus hybrids.
- 74350 MANN, M. D., JR. Ferns in the garden. Mega 11(1):29-30. (Cont.) Dec.1950. 90.32 M52B
- 74351 MEHLISCH, K. Überblick über die niedrigen Tagetessorten. Saatgut-Wirt. 3:79-80. Apr.1951. 61.8 Sal
- 74352 MELLO, A. T. DE. Beautiful pinks for our readers. (In Portuguese.) Seleg. Agr. 6(60):19-21. Apr. 1951. 9.2 Se4
- Dianthus caryophyllus.
- 74353 MENDIOLA, N. B. A primer of hybridization. Philippine Orchid Rev. 3(1):12-15. Feb.1950. 80 P53
- 74354 MES, M. G. Cuttings difficult to root. Plants & Gard. 7:95-97. Summer 1951. 450 P694
- 74355 MEYN, W. Anthuriums, exotic beauties of the flower world. Fuchsia Fan 11(6):4-5. June 1951. 96.532 F952
- 74356 MILLER, C. Chrysanthemum timing, Florists' Rev. 108(2803):24,107-111;(2804):27,107-110;(2805):29, 106-111. Aug.16-30,1951. 80 W41
- 74357 MINSHALL, J. A. Planting for walls and fences. Calif. Gard. 42(2):11-12. Summer 1951. 80 C127
- 74358 MINTER, M. Begonia credneri. (syn. hairy thurstoni). Begonian 18:164-165. Aug.1951. 96.511 B39
- 74359 THE MODERN florist; a comprehensive and practical guide for all those connected with the florist trade. London, Pearson, 1951? 246 p. 96.04 M79
- 74360 MOORE, MRS. W. B., JR. South Carolina's Memorial Garden. Natl. Gard. 22(7/8):16-17. July/Aug. 1951. 90.32 N21
- 74361 MORRISON, B. Y. Rex Begonia seed on Sphagnum moss. Natl. Hort. Mag. 30:153-156. July 1951. 80 N216
- 74362 MULDER, H. Purchase of Azaleas. (In Dutch.) Vakbl. v. de Bloemisterij 6:214,218. (Cont.) July 6-13, 1951. 80 V22
- 74363 MULLER-IDZERDA, A. C. 100 kamerplanten en hoe ze behandeld moeten worden [100 house plants and how to care for them]. Ed. 3. Amsterdam, Kosmos, 1950. 108 p. 96.06 M91
- 74364 MULLER-IDZERDA, A. C. De plant in huis [House plants]. Ed. 2. Amsterdam, Kosmos, 1950. 75 p. (Weten en Kunnen. Nieuwe Reeks, No. 238) 96.06 M91P
- 74365 MUSTACCIUOLI, J. B. Gladiolus culture in Argentina. No. Amer. Gladiolus Council. B. 26:87-90. June 1951. 96.43 N81
- 74366 NEEL, L. W. Among the Junos. Amer. Iris Soc. B. 122:67-69. July 1951. 81 Am39
- 74367 NELSON, W. How to plant a window box. Garden 55(4):27-29. Sept.1951. 80 G1632
- 74368 NEWMAN, C. A. Orchid growing in Western Australia. Austral. Orchid Rev. 16:21. Mar.1951. 80 Au73
- 74369 NEWMAN, H. Plants for the back of the perennial border. Green Thumb [Denver] 8(8):14-15. Aug. 1951. 80 G82
- 74370 NICHOLS, Q. Growing show plants. African Violet Mag. 4(4):28,57. June 1951. 80 Af8
- 74371 NORTEN, R. T. Potting: I. Amer. Orchid Soc. B. 20:287-290. May 1951. 80 Am329
- 74372 NORTHWEST BULB GROWERS ASSOCIATION. BULB GROWERS SHORT COURSE. Proceedings, 3, February 28 and March 1, 1950, Puyallup, Washington. Summer, Wash. 1950. 48 p. 81 N818
- 74373 OLIVER, R. W. A survey of varieties. Canad. Florist 46(8):18-20,22. Apr.28,1951. 80 C163
- Peonies, Iris, Phlox, and Hemerocallis.
- 74374 ORTON, E. C. The Daffodil Festival—what it means to the growers. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:43-44. 1950. 81 N818
- Advertising.
- 74375 PALMER, E. Our wild trees can rival the Jacaranda. Veldtrust 12(3):27-30. Mar.1951. 56.8 V54
- Varieties on streets of Pretoria.
- 74376 PARRY, J. A Spanish garden in Pennsylvania. Green Thumb [Denver] 8(8):28-29. Aug.1951. 80 G82
- 74377 PATIENCE, W. How do we judge the small varieties? No. Amer. Gladiolus Council. B. 26:43,45,47. June 1951. 96.43 N81
- 74378 PAULSOHN, L. Now is the time. Fuchsia Fan 11(5):7. May 1951. 96.532 F952
- Fuchsia culture.
- 74379 PERRY, F. Gypsophila is a winner—but you must do it well. Nurseryman & Seedsman 113:82-83. July 12,1951. 80 N933
- 74380 PERRY, F. New beauties in perennial Asters. Nurseryman & Seedsman 112:1602-1603. May 24,1951. 80 N933
- 74381 PETERSON, N. T. Ferns for foliage. Fuchsia Fan 11(7):4-5. July 1951. 96.532 F952
- 74382 PFEIFFER, N. E. How to force lilies. Plants & Gard. 7:90-91. Summer 1951. 450 P694
- 74383 PFISTER, C. E. A Yankee gardener visits the Deep South. Mega 11(2):25. Mar.1951. 90 M52B
- 74384 PHILLIPS, G. A. R. Stone-work in the small garden. Nurseryman & Seedsman 112:1468-1469. May 10,1951. 80 N933
- 74385 PHILLIPS, H. Care & maintenance of the lawn. Ala. Farmer 30(7):6. Apr.1951. 276.8 AL1
- 74386 POOLE, B. H. Hawaii's own flower. Hawaii Farm & Home 14(5):25. May 1951. 25 H3191
- Hibiscus.
- 74387 PORDAN, K. Stuegartneren [The house gardener]. København, Bøthner, 1950. 77 p. 96.06 P82
- 74388 POST, K., BING, A., and HORTON, F. F. Keep poinsettias hot. N. Y. State Flower Growers. B. 68:5-6. Apr.1951. 80 N486
- 74389 POWELL, E. C. Daffodils for spring. Flower Grower 38(8):26-27,58-59. Aug.1951. 80 M72
- 74390 PRENSKY, A. The Johnny garden book. London, Garden P., 1951? 279 p. 90.3 P91
- 74391 PUDDLE, F. C. The Aster family. My Gard. 43:14-16. July 1951. 80 M995
- 74392 PUDDLE, F. C. The attractions of water gardening. My Gard. 42:487-491. May 1951. 80 M995
- 74393 PUDDLE, F. C. Dwarf herbaceous plants. My Gard. 42:373-377. Apr.1951. 80 M995
- 74394 PUDDLE, F. C. Moisture-loving plants. My Gard. 42:617-621. June 1951. 80 M995
- 74395 PUTZ, A. Shrubs that remain green all year. Garden 55(4):52-54. Sept.1951. 80 G1632
- 74396 QUADLAND, H. P. "Plant America" progress. Amer. Nurseryman 94(3):21-22,88-90. Aug.1,1951. 80 Am371
- 74397 QUINN, C. E. Modern Gladiolus. Md. Gard. 5(5):13-14,16. (Concl.) May 1951. 80 M362
- 74398 RANDOLPH, L. F. Chromosomes and orchid breeding. Amer. Orchid Soc. B. 20:464-468. (Cont.) Ref. Aug.1951. 80 Am329
- 74399 REICHEL, K. Sonderkulturen im raume von Hannover. TASPO; Thalacker A. G. Samen- u. Pflanzen-Offerte 4(22):8. June 1,1951. 6.8 T18
- Flowers.
- 74400 REUTERSWARD, G. The brook and the pool. (In Swedish.) Trädgårdstidningen 23(2):5-7. Feb.1951. 80 T67
- 74401 RICHARD, J. G. Louisiana Iris. Mega 11(3):9-10. June 1951. 90.32 M52B
- 74402 RISLEY, E. H. Corm and floret color correlations in Gladiolus. No. Amer. Gladiolus Council. B. 26:91-92. June 1951. 96.43 N81
- 74403 ROA URIARTE, E. Orquídeas. Habana 17(5):18. May 1951. 69.8 It11
- 74404 ROAN, H. M. Leaf cuttings. Natl. Cactus & Succulent J. 6:22. June 1951. 450 N21
- 74405 ROGER-SMITH, H. European Androsaces. My Gard. 42:387-393. Apr.1951. 80 M995
- 74406 ROGERS, MRS. J. D. Historic garden restoration in Lexington, Kentucky. Natl. Gard. 22(7/8):10-11. July/Aug.1951. 90.32 N21
- 74407 ROOF, J. Growing California's five dogwoods. N. Calif. Hort. Soc. J. 12:101-106. July 1951. 81 C1293
- 74408 ROSS, B. L. You can arrange flowers. Ohio Farm Bur. News 30(10):22-23. May 1951. 6 Oh34
- 74409 ROWLEY, G. D. Growing succulents outdoors. Cactus & Succulent J. Gt. Brit. 13:74-75. July 1951. 450 C113

- 74410 ROWNTREE, L. Concerning Daturas. *Natl. Hort. Mag.* 30:127-130. July 1951. 80 N216
- 74411 RYAN, J. Lawns, how to make and care for them. *Plants & Gard.* 7:84-86. Summer 1951. 450 P694
- 74412 RYDER, A. Violets in tiers. *African Violet Mag.* 4(4):22,56. June 1951. 80 Af8
- 74413 SAKURAI, Y., ENDO, T., and FURUKI, I. Experimental report on "vermiculite" used for the storage of lily bulbs. (In Japanese.) *Jap. J. Plant Protect.* 23:38-40. May 1951. 421 J27
- 74414 SANDBERG, O. My Cissus and Hibiscus. (In Swedish.) *Trädgårdstidningen* 23(1):24. Jan. 1951. 80 T67
- House plants.
- 74415 SAXTON, S. E. Dependable daylilies are easy to grow and need little care. *Garden* 55(4):23-26. Sept. 1951. 80 G1632
- 74416 SCANLON, E. H. 90 trees for changing street and home trends. *Trees* 11(5):10-11,22-23. July/Aug. 1951. 99.8 W52
- 74417 SCHACHT, W. Die freiland-schmuckstauden. III. Baptisia bis Dryopteris. *Grundlagen u. Fortschr. im Gart.- u. Weinbau* 82,104 p. 1950. 80 G922
- 74418 SCHLOSSER, H., MAATSCH, R., and PAPE, H. Die blumenzwiebeltreiberei sowie die frühkultur von blumenzwiebel und knollengewächsen. Ed. 2. *Gärt. Berufspraxis* 10,85 p. 1950. 80 G1945
- 74419 SCHMID, G. 70 Jahre Asparagus sprengeri. *Gart.-Z. Illus. Flora* 74:41-42. Apr. 1951. 80 G1991
- 74420 SCHNEIDER, F., and MAATSCH, R. Cyclamen. Ed. 3. *Gärt. Berufspraxis* 1,77 p. 1950. 80 G1945
- 74421 SCHUBERT, K. Sie sorgen für freude! Land-frauenarbeit 16:125-126. Apr. 21, 1951. 18 L2347
- Culture of ornamentals in Germany.
- 74422 SCULLY, R. M. Cattleyas during hot weather. *Amer. Orchid Soc. B.* 20:468-470. Aug. 1951. 80 Am329
- 74423 SCULLY, R. M. Time to shift Dendrobium phalaenopsis. *Amer. Orchid Soc. B.* 20:269-271. May 1951. 80 Am329
- 74424 SERSANOUS, C. I. The origin of the native Rhododendron (californicum) (macrophyllum). *Amer. Rhododendron Soc. Q. B.* 5:111-113. July 16, 1951. 81 Am398
- 74425 SEVERN, J. Beginning a wild garden. *My Gard.* 42:461-465. May 1951. 80 M995
- 74426 SHEWELL-COOPER, W. E. Flowers under glass. Scope for the Arum lily. *Fruit-Grower* 2898:52. July 12, 1951. 80 F941
- 74427 SHRYOCK, MRS. H. Early garden traditions in Montana. *Natl. Gard.* 22(5/6):14-15. May/June 1951. 90.32 N21
- 74428 SHRYOCK, MRS. H. Save the bitterroot [Lewisia rediviva]. *Natl. Gard.* 22(5/6):3,30-31. May/June 1951. 90.32 N21
- Montana State flower.
- 74429 SIMMONS, L. My favorite Fuchsia. *Fuchsia Fan* 11(5):6. May 1951. 96.532 F952
- 74430 SIMPSON, T. H. Judging and the point system. *Amer. Rose Mag.* 10(7):11-12. July/Aug. 1951. 80 Am327A
- 74431 SJÖBERG, G. H. Green and variegated. (In Swedish.) *Trädgårdstidningen* 23(1):19,29-30. Jan. 1951. 80 T67
- House plants.
- 74432 SJÖBERG, G. H. Old and new. (In Swedish.) *Trädgårdstidningen* 23(2):13,24,26-27. Feb. 1951. 80 T67
- House plants.
- 74433 SKOU, W. 1950 tests on poinsettia stock plants. *Ohio Florists' Assoc. B.* 259:3-4. Apr. 1951. 81 Oh36
- Fertilizing and propagation.
- 74434 SLATE, G. L. How to grow lilies. *Flower Grower* 38(8):18-19,44-45. Aug. 1951. 80 M72
- 74435 SLONECKER, H. Rh. fictolacteum, and/or Rh. rex. *Amer. Rhododendron Soc. Q. B.* 5:102-103. July 16, 1951. 81 Am398
- 74436 SLOSSON, E. J. New England and its horticultural tradition. *Natl. Gard.* 22(5/6):4-5,31-34. May/June 1951. 90.32 N21
- 74437 SMITH, G. M. The basket-flower [Hymenocallis calathina] reliable for summer bloom. *Plants & Gard.* 7:87. Summer 1951. 450 P694
- 74438 SPEED, F. A rose pays the rent. *My Gard.* 42:613-614. June 1951. 80 M995
- 74439 SPILMAN, R. S. Early gardens of the Kanāwhā Valley. *W. Va. Gard. News* 16(4):10-11. June 1951. 90.32 W522
- 74440 STAM, I. A. M. New ornamental variety of castorbean. (In Russian.) *Sad i Ogorod* 3:38. Mar. 1951. 80 Sa13
- 74441 STANFORD, K. C. Unusual bulbs from the Cape Gard. *Illus.* 69:217. Aug. 1951. 80 G169
- 74442 STEPHENS, T. A. My Garden's choice of rock plants, trees and flowering shrubs and herbaceous plants. Ed. 3. Guildford, Surrey, Eng., My Garden, 1950. 176 p. 97.4 St4
- 74443 STEVENSON, V. An introduction to floristry. In *The modern florist*, p.1-17. London, Pearson, 1951? 96.04 M72
- 74444 STEVENSON, V. Artistry in flower arrangement. In *The modern florist*, p.54-72. London, Pearson, 1951? 96.04 M72
- 74445 STEVENSON, V. Japanese flower arrangement. In *The modern florist*, p.73-81. London, Pearson, 1951? 96.04 M72
- 74446 SULIT, M. D. Field observations on tree hosts of orchids in the Philippines. *Philippine Orchid Rev.* 3(1):3-8. Feb. 1950. 80 P53
- 74447 TAMESIS, F. Observations on orchid propagation in Honolulu. *Philippine Orchid Rev.* 3(2):18-20. June 1950. 80 P53
- 74448 TAYLOR, G. Two new Meconopsis hybrids. *Roy. Hort. Soc. J.* 76:231-232. July 1951. 84 L84J
- Meconopsis cookei and Meconopsis finlayorum.
- 74449 TAYLOR, G. M. Lilies. *My Gard.* 43:19-24. July 1951. 80 M995
- 74450 TAYLOR, G. M. The romance of the pink, the old varieties of the florists. *My Gard.* 42:355-367. Apr. 1951. 80 M995
- 74451 TAYLOR, H. V. Flowering plants in pots. In *The modern florist*, p.18-26. London, Pearson, 1951? 96.04 M72
- 74452 TEN EYCK, P. Plante bulbos con nosotros. *Tierra [México]* 6:302-303. May 1951. 8 T445
- 74453 THEAU, A. Le Torenia fournieri. *Rev. Hort. de l'Algérie* 55:45-46. Feb. 1951. 87 R32
- 74454 THOMPSON, J. Roses. *Prof. Gard.* 3:126-127. June 1951. 80 P945
- 74455 TILFORD, P. E. Shade trees and the law. *Mich. Forestry and Park Assoc. Annu. Mtg.* 25:9-11. Feb. 1951. 99.9 M586
- 74456 TILLMAN, R. M. G. C. A. [Men's Garden Clubs of America] What is it? And what is its purpose? *Mega* 11(2):31-32. Mar. 1951. 90 M52B
- 74457 TINCKER, M. A. H. Prolonging the life of cut flowers. In *The modern florist*, p.31-40. London, Pearson, 1951? 96.04 M72
- 74458 TJADEN, W. L. The Gladiolus in post-war England. *No. Amer. Gladiolus Council. B.* 26:83,85. June 1951. 96.43 N81
- 74459 TOD, H. Building rock gardens on flat sites. *My Gard.* 42:581-586. June 1951. 80 M995
- 74460 TUFTS, M. A Californian experiments with English "hypertupha." *Calif. Hort. Soc. J.* 12:87-88. Apr. 1951. 81 C1293
- For rock gardens.
- 74461 U. S. PATENT OFF. Plant patents. 9 Nos. 1951. 156.65 P69
- Contents: 1,012. Robinson, H. Rose plant. 2 p., 1 col. pl. May 22; 1,013. Grillo, N. Hybrid tea rose plant. 2 p., 1 col. pl. June 5; 1,014. Vaca, A. Azalea plant. 1 p., 1 col. pl. June 5; 1,015. Brownell, J. D. Rose plant. 2 p., 1 col. pl. June 5; 1,016. Bourne, P. M. Rose plant. 2 p., 1 col. pl. June 12; 1,017. Gaujard, J. Rose plant. 2 p., 1 col. pl. June 12; 1,018. Boerner, E. S. Rose plant. 2 p., 1 col. pl. June 19; 1,019. Verschuren, H. A. Rose plant. 2 p., 1 col. pl. July 3; 1,020. Prushek, E. Chrysanthemum plant. 2 p., 1 col. pl. July 3.
- 74462 VADE, S. Comment composer votre jardin suburbain. *Vie à la Campagne* 40:232-234. June 1951. 80 V67
- 74463 VAN MELLE, P. J. Plant for permanence; Korean spice Viburnum [V. carlesii]. *Flower Grower* 38(8):6,8. Aug. 1951. 80 M72
- 74464 VAN RENSSLAER, M. A new Raphiolepis. *Calif. Hort. Soc. J.* 12:98-100. July 1951. 81 C1293
- 74465 VINEYARD, O. Flower arrangements, importance of good balance. *Green Thumb [St. Petersburg]* 1(9):16-17,25. July 1951. 80 G822
- 74466 WARD, F. K. Plants new or noteworthy: Stelleria chamaejasme. *Gard. Chron.* 130:4. July 7, 1951. 80 G:62

- 74467 WARE, R. B. Lilies: standard species. Flower Grower 38(8):20,38-39. Aug.1951. 80 M72
- 74468 WAUSER, G. Choix et achat de Dahlias. Cour. Hort. 13:155. Mar.1951. 80 C834
- 74469 WELLS, J. S. Controlled humidity aids propagation. Nurseryman & Seedsman 112:1854-1856;113:198-200. June 21-July 26,1951. 80 N933
- 74470 WRIGHT, P. H. Three hybrid lilies, Hurricane, Typhoon and Spitfire. Plants & Gard. 7:88-89. Summer 1951. 450 P694
- 74471 WYLAM, W. E. Sun tolerance of Camellias. Camellia Rev. 12(8):13,19. July 1951. 97.31 So82
- 74472 WYLIE, A. The ancestry of polyantha roses. Gard. Illus. 68:214-216. Aug.1951. 80 G169
- 74473 WYMAN, D. The dove-tree [Davidia involu-crata]. Plants & Gard. 7:107. Summer 1951. 450 P694
- 74474 WYMAN, D. Smaller street trees needed. Arnoldia 11:41-48. June 8,1951. 451 Ar6Ba
- 74475 WYSONG, N. Tree maintenance. Amer. Nurs-eryman 94(4):20. Aug.15,1951. 80 Am371
- 74476 XIMENEZ DE EMBUN Y GONZALEZ ARNAO, J. Arboles para caminos. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 1,16 p. Jan.1951. 15 H68
- Vegetable and Truck Crops (Including Potatoes)**
- 74477 AAHOLM, K. Should an attempt to improve potato growing be made? (In Danish.) Dansk Landbr. 70:339-340. July 19,1951. 280.28 V91
Chiefly on culture of seed potatoes.
- 74478 ÁGUILA, G. R. Indicaciones sobre el cultivo de las hortalizas. Cent. Nac. de Agron. C. Agr. 24,16 p. Oct.1950. 8 Sa54C
- 74479 ALBA, C. B. Experiencias acerca del cultivo de la papa en las regiones de "La Perla", "El Junquillo" y demás zonas adyacentes. Comt. Nac. del Café. B. 4:343-345. Oct./Dec.1950. 68.29 C732
Honduras.
- 74480 ALPAT'EV, A. V. New tomato variety, Shtambovyi karlik 01185. (In Russian.) Sad i Ogorod 3:61-62. Mar.1951. 80 Sa13
- 74481 ANDERSEN, E. M. Recommended Utah vege-table varieties. Utah. State Agr. Col. Ext. C. 229,6 p.-folder. Mar.1951. 275.29 Ut1
- 74482 AXELSSON, F. Of current interest to the kitchen garden. I-IV. (In Swedish.) Trädgårdstidningen 23(4):7-9;(5):12-13;(6):12-13,29;(7):8-9,28-29. Apr.-July 1951. 80 T67
- 74483 BASSE, H. Einflüsse der züchtung auf die sortenbewegung im deutschen gemüsebau. Saatgut-Wirt. 3:78. Apr.1951. 61.8 Sa1
- 74484 BASSI, I. Mushroom behavior and culture. (In Portuguese.) Chacaras e Quintais 84:81-83. July 15, 1951. 9.2 C34
- 74485 BAT'SANOV, N. S. Effect of cultural methods on seed quality of potato planting stock. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok. 12:123-126. 1950. 20 M875
- 74486 BOSWELL, V. R., and WESTER, R. E. Grow-ing vegetables in town and city. U. S. D. A. Home & Gard. B. 7,39 p. Apr.1951. 1 Ag84Hg
Formerly U. S. D. A. Misc. P. 538.
- 74487 BOSWELL, V. R. Okra: culture and use. U. S. D. A. L. 305,8 p. July 1951. 1 Ag84L
Supersedes Farmers' Bulletin 232.
- 74488 BRILLMAYER, F. A. Feldmässiger gemüse-bau. Wien,1951. 224 p. (Scholle-Bücherei, 59. Bdchn.) 91.13 B76
- 74489 CARLSSON, G. Culture of onions and shallots. (In Swedish.) Trädgårdstidningen 23(2):19,29. Feb.1951. 80 T67
- 74490 CASEY, J. Vegetable history. Sowest. Crop & Stock 5(6):30-32. June 1951. 6 So8942
- 74491 CHEVALIER, A. L'origine et la dispersion de la patate douce. Rev. Internatl. de Bot. Appl. d'Agr. Trop 31:50-52. Jan./Feb.1951. 26 R323
- 74492 CHIN, K. C. Quelques essais sur la germina-tion de Phaseolus mungo. Rev. Internatl. des Prod. Colon. 26:93-94. Apr.1951. 286.8 R326
- 74493 COOK, R. L. S. Self-blanching celery. Grower [London] 36:72-73. July 14,1951. 286.83 M34
Cultural methods
- 74494 EDEL'SHTEIN, V. I. In regard to the whole year round cultivation of vegetables. (In Russian.) Sad i Ogorod 1951:46-52. Jan.1951. 80 Sa13
- 74495 EDWARDS, G. R. New potato varieties. (Sum.) Grower [Adelaide] 5(9):38-39. Mar.1951. 80 G912
- 74496 EDWARDS, R. L. How to avoid trouble. MGA Bulletin 24:190-194,197. July 1951. 80 M97
Mushrooms.
- 74497 ESBO, H. The amateur grows potatoes. (In Swedish.) Trädgårdstidningen 23(4):10,29. Apr.1951. 80 T67
- 74498 ETINGER, J. Tavnith gani hayerek le'onath ha'aviv 1950 [Program for vegetable gardens for the spring of 1950]. Tel Aviv,Defus Memshalah,1950. 10 p. 91 Et4
- 74499 EYSTER, W. H. The vegetable garden. VII. Org. Gard. 19(2):28-30. Aug.1951. 56.8 Or3
- 74500 FAUCILLON, X. Soignez vos pommes de terre. Rustica 24:471. May 27,1951. 14 R92
- 74501 FILATOV, N. A. New method of growing [vegetable] seedlings in pots. (In Russian.) Sad i Ogorod 2:65-66. Feb.1951. 80 Sa13
- 74502 FILIMONOV, A. A. To increase the production of early potatoes. (In Russian.) Sad i Ogorod 1951:71-72. Jan.1951. 80 Sa13
- 74503 FLAWN, L. N. How to add weeks to the fresh pea season. Smallholder 85(2147):9. July 13,1951. 10 Sm1
- 74504 FLEET, R. Instead of glasshouse lettuce? Grower [London] 36:129. (Cont.) July 21,1951. 286.83 M34
Mushrooms.
- 74505 GAGNARD, J. Utilisation de la courge de Siam [Cucurbita ficifolia] en horticulture. Rev. Hort. de l'Algérie 55:40-42. Feb.1951. 87 R32
- 74506 GAGNE, J. B. A propos de l'origine de la pomme de terre. Pomme de Terre Franç. 14(140):3-7. May 1951. 75.8 P77
- 74507 GAVRILKEVICH, B. B. On tomato culture without transplanting. (In Russian.) Sad i Ogorod 1951:63-64. Jan.1951. 80 Sa13
- 74508 GENDERS, R. How to make money from your garden. London,Link House,1951? 192 p. 90.2 G28
- 74509 GENTILLI, J. Mushroom or toadstool? Wes-tralian Farmers Co-op Gaz. 20:291-296. May 1951. 280.28 W522
- 74510 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Beans (excluding beans for stock-feeding). Ed.2. Gt. Brit. Min. Agr. & Fisheries B. 87,35 p. Dec. 1950. 10 G794B
- 74511 GRONINGEN, NETHERLANDS. RIJKSTUIN-BOUWCONSULENTSCHAP. De spruitkoolteelt [Growing Brussels sprouts]. Groningen,Wolters,1951. 32 p. (De Kleine Tuinbouwbibliotheek) 91.42 G89
- 74512 GUMILEVSKII, V. I. Seed production of cauli-flower on the collective farms in Moscow Region. (In Russian.) Sad i Ogorod 3:57-61. Mar.1951. 80 Sa13
- 74513 GUZZINI, D. The artichoke. (In Italian.) Mondo Agr. 2(18):6. May 6,1951. 16 M74
Italy.
- 74514 HAGEDORN, D. J. Growing canning peas in Wisconsin. Wis. Agr. Expt. Sta. B. 444,rev.,24 p. Feb. 1951. 100 W75
- 74515 HARDT-STREMAIR, W. Einige winke zum topinambur-anbau. Kärntner Bauer 101:274-275. May 15, 1951. 19 K14
- 74516 HARTMAIR, V. Ergebnisse der sortenprüfun-gen bei gemüse für das österr. zuchtbuch in den jahren 1949 und 1950. Bundesanst. f. Alpine Landwirt. Verser-geb. 7,28 p. 1951. 19 Ad6V
- 74517 HAUCK, Erfahrungen aus dem kartoffelbau. Bad. Landwirt. Wchnbl. 118:263-264. (Cont.) Apr.28, 1951. 18 B142
- 74518 HAUCK. Kartoffelherkunfts- und augensteck-lingsprüfung in Forchheim. Bad. Landwirt. Wchnbl. 118:248-249. Apr.21,1951. 18 B142
- 74519 HAWKES, J. G. Organización y planeamiento para el mejoramiento de la papa. Agr. Trop. 7(5):7-11. (Cont.) May 15,1951. 26 Ag8
Colombia.
- 74520 HOHMANN. Gedanken zur pflanzkartoffelver-mehrung. Landwirtbl. Weser-Ems 98:586-587. July 5, 1951. 18 L2345
- 74521 HOLMES, G. After the potatoes come cabbages. Mod. Poultry Keeping 65:98. July 25,1951. 47.8 Eg3
- 74522 IDAHO. UNIVERSITY. COLLEGE OF AGRICUL-TURE. EXTENSION SERV. You can grow tomatoes. Idaho. Agr. Col. Ext. C. 116,6 p.-folder. June 1951. 275.29 Id13C
- 74523 INIGUEZ GARCIA, J. El cultivo de las coles. 4. Tierra [México] 6:282-284,318. May 1951. 8 T445
- 74524 ITIE, G. Como cultivar el melon. Tierra [México] 6:276-278,319. May 1951. 8 T445

- 74525 JOHNSON, G. C. Market Gardening in Bedfordshire. *Gt. Brit. Min. Agr. Agriculture* 58:191-193. July 1951. 10 G79J
- 74526 JOHNSTONE, F. E., JR., and BUSHNELL, J. Trials of sweet corn for fresh market. *Ohio. Agr. Expt. Sta. Res. C.* 12,8 p. July 1951. 100 Oh3R
- 74527 JONES, H. Tomato varieties for the Middle Rio Grande area. *N. Mex. Agr. Expt. Sta. Press B.* 1056, 4 p. July 1951. 100 N465
- 74528 KAPOOR, S. L. The role of type of seed in the culture of potato. II. *Indian J. Hort.* 8(2):11-18. Ref. June 1951. 80 In2
- 74529 KIMSEY, A. Mushrooms—fact and fancy. *Okla. Game & Fish News* 7(6):8-10. June 1951. 410 Ok4
- 74530 KUZ'MICHEV, M. G. On thick planting of vegetables. (In Russian.) *Sad i Ogorod* 2:56-61. Feb. 1951. 80 Sa13
- Different kinds of vegetables planted together.
- 74531 LAMBETH, V. N. Potato growing in Missouri. *Mo. Agr. Expt. Sta. B.* 548,24 p. Mar. 1951. 100 M693
- 74532 LILOIAN, N. N., and SEMENKO, N. IA. Tomato culture by planting seeds in the ground. (In Russian.) *Sad i Ogorod* 1951:61-63. Jan. 1951. 80 Sa13
- 74533 LIVERMORE, J. R. The Canoga potato. *Amer. Potato J.* 28:672-674. July 1951. 75.8 P842
- 74534 LOADS, W. Two new cucumbers. *Fruit & Prod.* 5(10):24. Mar. 1951. 80 F9427
- 74535 MARNETTE, J. N. Considerations sur un essai de laitues. *B. Hort. (n.s.)* 6:139-141. May 1, 1951. 80 B873
- 74536 MARTINI, Wie entstehen neue kartoffelsorten? *Saatgut-Wirt.* 3:57-58. Mar. 1951. 61.8 Sa1
- 74537 MILLIKEN, T. H., and LUNO, G. A. Singletary peas. *La. Agr. Col. Ext. P.* 1097,8 p.-folder. June 1951. 275.29 L93Ep
- 74538 MONTALDO, A. La papa en Chile. *Agr. Trop.* 6(7):11-18. July 15, 1950. 26 Ag8
- Culture.
- 74539 MOZAWA, R. Studies on the fruiting of squash. (In Japanese.) *Hort. Assoc. Japan. J.* 19:157-160. June 1950. 87 H78
- English summary.
- 74540 NATSENTOV, D. I., and FAINBERG, L. S. Preparation and rearing of cauliflower seedlings. (In Russian.) *Sad i Ogorod* 3:53-57. Mar. 1951. 80 Sa13
- 74541 NEUHAUSER, M. Fresh salad in winter; savory, cold weather vegetables like kale, add much-needed vitamins to the winter diet. *Org. Gard.* 19(2):48-49. Aug. 1951. 56.8 Or3
- 74542 NEW JERSEY, DEPT. OF AGRICULTURE. A review of the inspection and certification work of New Jersey late crop white potato seed in 1950. *Trenton, 1951.* 7 p. 75.9 N47
- 74543 NICOLAISEN, N. Unsere gemüsesorten. *Saatgut-Wirt.* 3:55. (Cont.) Mar. 1951. 61.8 Sa1
- 74544 NISSLEY, C. H. Planning your vegetable exhibits. *Org. Gard.* 19(2):19-22. Aug. 1951. 56.8 Or3
- 74545 OSUNA, P. Siembre una huerta. *P. R. Agr. Col. Ext. C.* 19,rev. 8 p. Apr. 1951. 275.29 P96Ci
- 74546 PAPASOLOMONTOS, A. Asparagus. *Countryman [Nicosis]* 5(6):17-18. June 1951. 25 C83
- Culture.
- 74547 PASTENA, B. Edible and poisonous fungi. (In Italian.) *Mezzogiorno Agr.* 7(24):3. June 17/23, 1951. 16 M57
- 74548 PERSSON, A. R. The vegetables. (In Norwegian.) In *Eriksen, N., ed. Hagebok for hvermann*, p. 145-178. Oslo, Gyldendal, 1951. 90.1 Er4
- 74549 PORFIDIA, F. Let us improve potato culture. (In Italian.) *Mezzogiorno Agr.* 7(18):3-4. May 6/12, 1951. 16 M57
- 74550 PRANISHNIKOVA, E., and POZDNIKOVA, N. Dissemination of scientific achievements at district shows. (In Russian.) *Sad i Ogorod* 2:70-72. Feb. 1951. 80 Sa13
- Scientific-Research Institute in Potato Farming.
- 74551 PRIMOST, E. Welche punkte sind bei der gurkentreiberei besonders zu beachten? *Gartenbauwirtschaft [Wien]* 1951:49-50. Mar. 10, 1951. 80 G1936
- 74552 PROVAGLIO, G. The rutabaga, plant to be extended. (In Italian.) *Humus* 7(5):20-21. May 1951. 16 H88
- 74553 RAMOS NUÑEZ, G. Apuntes sobre el frijol en Colombia (*Phaseolus vulgaris* L.). *Agr. Trop.* 6(8):9-31. Aug. 15, 1950. 26 Ag8
- Culture.
- 74554 RANNINGER, Kartoffelabbau- und kartoffelregenerationsgebiete. *Pflug* 4:144. June 1951. 19 P48
- Austria.
- 74555 RAPHAEL, T. D. Spring cabbages. *Tasmania. Dept. Agr. Tasmanian J. Agr.* 22:149-155. May 1951. 23 T182T
- Varieties and planting time.
- 74556 SALTER, R. M., and TIEDJENS, V. A. New varieties released, Pungo. *Amer. Potato J.* 28:641. June 1951. 75.8 P842
- 74557 SCHUTZ, F. Die speisezwiebel-selektion Wädenswil. *Grüne* 79:428-430. Apr. 13, 1951. 17 Sch9
- 74558 SEELIG, R. A. Fruit & vegetable history. 15. Cabbage. *Fruit & Veg. Rev.* 13(5):12-13. Aug. 1951. 80 C1224
- 74559 SENIUSHKIN, A. E. On tomato culture without transplanting in Krasnodar Territory. (In Russian.) *Sad i Ogorod* 1951:59-61. Jan. 1951. 80 Sa13
- 74560 SHEWELL-COOPER, W. E. When you go away. *Co-op. Home Mag.* 56(7):12. July 1951. 280.28 W563
- Vegetable culture.
- 74561 SMITH, G. M. Hoosier Gold sweet corn. *Ind. Agr. Expt. Sta. B.* 563,6 p. Apr. 1951. 100 In2P
- 74562 SMITH, P. G. Deciduous character of pepper; tiny fruited form is crossed with non-deciduous variety to get easy-to-pick pepper for commercial use. *Calif. Agr. [Calif. Sta.]* 5(6):12. June 1951. 100 C12Cag
- 74563 SNELL, K. Die kartoffelsorten im wandel der zeiten. *Kartoffelwirtschaft* 4:197-198. June 8, 1951. 286.83 K14
- 74564 SOKOLOV, F. N. Eggplants and peppers in Moscow Region. (In Russian.) *Sad i Ogorod* 3:62-64. Mar. 1951. 80 Sa13
- 74565 SOKOLOVA, A. M. Effect of pre-planting preparation of root crops for seed on yields and ripening of seeds. (In Russian.) *Sad i Ogorod* 3:64-66. Mar. 1951. 80 Sa13
- Carrots and beets.
- 74566 SØRENSEN, J. E. Spraying of potatoes. (In Danish.) *Dansk Landbr.* 70:311-312. July 5, 1951. 280.28 V91
- 74567 STEWART, G. F., VOLK, N. J., and SALTER, R. M. New varieties released—Cherokee. *Amer. Potato J.* 28:642-643. June 1951. 75.8 P842
- 74568 TOMETORP, G., and HINTZE, S. Klassificerande försök med drivpersilja och vinterdrivrädisa 1947—1950 [Classifying trials with forcing parsley and winter forcing radish 1947—1950]. *Alnarps Lantbr.-Mejeri- och Trädgårdstinst. Stat. Trädgårdsförsök.* Meddel. 60,14 p. 1950. 86 AL64
- English summary.
- 74569 TOMETORP, G. Sortförsök med mærg- och spritarter vid Alnarp 1943—1948. [Variety trials with round and wrinkled shelling peas at Alnarp 1943—1948]. *Alnarps Lantbr.-Mejeri- och Trädgårdstinst. Stat. Trädgårdsförsök.* Meddel. 62,36 p. Ref. 1951. 86 AL64
- English summary.
- 74570 TRASK, O. S. NODINE, E. H., and HEPLER, J. R. Growing your own vegetables. *Maine. Agr. Col. Ext. B.* 411,35 p. May 1951. 275.29 M281B
- 74571 TREMHULD, H., and SHAMAN, M. Gidul tapuha—'adamah bemeshkei 'ezer [Cultivation of potatoes for domestic use]. *Tel Aviv, Hadash*, 1950. 8 p. 75 T72
- 74572 TROSHINA, N. P. To improve the work of the potato seed nurseries. (In Russian.) *Sad i Ogorod* 1951:69-71. Jan. 1951. 80 Sa13
- 74573 TRUKHANOVSKIĬ, A. M. Leaders in potato culture. (In Russian.) *Sad i Ogorod* 1951:73-74. Jan. 1951. 80 Sa13
- Practices and yields.
- 74574 TSYBAR, A. V. Experiment in sprouting root crops for seeds. (In Russian.) *Sad i Ogorod* 3:79-80. Mar. 1951. 80 Sa13
- Carrots and beets.
- 74575 TWEEDIE, G. Some aspects of the tray system. 2. Pests, diseases and casing soil. *MGA Bulletin* 24:212-213. July 1951. 80 M97
- Mushrooms.
- 74576 U. S. BUR. OF AGRICULTURAL ECONOMICS. Commercial truck crops for fresh market; usual planting and harvesting dates and principal producing areas, by seasonal groups and States. *Washington, 1951.* 89 p. 1.941 M1C73
- 74577 VALDES LOMA, A. El cultivo de la berengena (*Solanum melongena* L.). *Campo [La Paz]* 5(47):29-31. Mar. 1951. 9.1 C15
- 74578 VIDAL MORA, J. M. Las coles requieren mejor atención por parte del labrador. *Balearic Isl. Diputación Prov. B. de Agr.* 76:1-2. Jan. 1951. 15 B19
- 74579 VIDAL MORA, J. M. Dediquemos la debida atención al patatar. *Balearic Isl. Diputación Prov. B. de Agr.* 75:4-5. Dec. 1950. 15 B19

74580 VOLKOVA, A. A. Earliness and productivity of tomato varieties in connection with conditions of growth. (In Russian.) Moskov. Ordena Lenina Sel'skhoz. Akad. im. K. A. Timiriyazeva. Dok. 12:215-223. 1950. 20 M875

74581 WHEELER, E. J. White potatoes in Japan. Supreme Commander Allied Powers. Nat. Resources Sect. Rpt. 142,40 p. Ref. May 1951. 280.9 AL5
Chiefly on culture.

74582 WICKENDEN, H. Cross-blocking roots and Brassicas. Farm Mech. 3:181-182. May 1951. 58.8 B772

74583 ZHUKOVA, G. S. Experiment in square-hole planting of potatoes. (In Russian.) Sad i Ogorod 2:67-70. Feb. 1951. 80 Sa13

WEEDS AND POISONOUS PLANTS

74584 ALARCON C., P. J. El bleo [Amaranthus], maleza util. Agr. Trop. 6(9):56-57. Sept. 1950. 26 Ag8

74585 BALACHOWSKY, A. Los insectos auxiliares fitofagos. Siembra [Madrid] 7(4):17-19. Apr. 1951. 15 SI1

Biological control of weeds.

74586 BAUR, K. Chemical weeding tests at Puyallup. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:42-43. 1950. 81 N818

74587 BENTZ, T. Nature's poison foliage. Amer. Forests 57(8):21,31. Aug. 1951. 99.8 F762
Poison oak, poison ivy, and poison sumac.

74588 BERENTSCHOT, J. Control of pasture weeds with growth substances. (In Dutch.) Overijsselsch Landtbl. 33(1604):5. May 12, 1951. 12 Ov2

74589 BLACKMAN, G. E. The most recent developments in the field of herbicides. (In Italian.) Agr. delle Venezie 5:152-154. Mar. 1951. 16 Ag826

74590 BRODELL, A. P., and BURKHEAD, C. E. Spraying and dusting major field crops. U. S. Bur. Agr. Econ. FM-88,6 p. July 1951. 1.941 L6F22
Weed and insect control.

74591 BRONDEGAARD, V. J. A floral tormentor of peasants. (In Danish.) Dansk Landbr. 70:367. Aug. 9, 1951. 280-28 V91
Ononis.

74592 BUFFLER, M. Unkraut—unser gartenärger. Landfrauenarbeit 25:195-196. June 23, 1951. 18 L2347

74593 CIARAVELLINI, L. Tests with selective weed killers. (In Italian.) Agr. Tosc. 6:221. June 1951. 16 Ag827

74594 COCK, R. E. Chemical weed control. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:64-69. Feb. 1, 1951. 23 T182T

74595 COULTER, L. L. Dormant season chemical brush control. Agr. Chem. 6(8):34-36,99. Aug. 1951. 381 Ag8

74596 FREED, V. H. Chemical weed control in bulb crops. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:38-42. 1950. 81 N818

74597 FRIEDERICH, J. C. Chemische onkruidbestrijding in vezel- en olievlas. (Results of weed control trials in linseed and flax by selective herbicides). Nederlands Vlasinst. Meded. 16,22 p. May 1951. 73.19 W12M
English summary.

74598 GOLDBERG, R. E. The Jimson weed menace. Today's Health 29(8):38-39,66-67. Aug. 1951. 449.8 H993

74599 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. The control of weeds in peas with DNB. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 376,4 p. Mar. 1951. 10 G79La

4-dinitro-6-secondary-butyl-phenol.

74600 HARRIS, G. A. St. Johnswort (goatweed) on western ranges. Mont. Stockgrower 23(5):10. May 15, 1951. 49 M76

74601 HARRISON, C. M. How to control weeds in the seed field. Hoard's Dairyman 96:570-571. July 25, 1951. 44.8 H65

74602 HEMPHILL, D. D., MURNEEK, A. E., and SMITH, J. E., JR. Chemical weed control in horticultural crops. Mo. Agr. Expt. Sta. B. 549,28 p. Apr. 1951. 100 M693

74603 HERBERT, G. H. Weed control in crops by low-volume spraying. So. Austral. Dept. Agr. J. 54:455-456. Apr. 1951. 23 So84

74604 HODGDON, A. R. Is *Oenoclea sensibilis* poisonous to horses? Amer. Fern J. 41:61-62. Apr./June 1951. 450 Am35

74605 HOLMES, G. Don't forget the hoe; weed control is all-important at this time of year. Mod. Poultry Keeping 65:20. July 4, 1951. 47.8 Eg3

Vegetable gardening.

74606 HUYSMANS, C. P., and GONGGRIJP, J. Chemical weed control in tea. (In Dutch.) Bergcultures 20:209,211,213. June 16, 1951. 22.5 B45

74607 JACOBSON, G. On weed control. (In Swedish.) Kristianstads Läns Hushållsk. Tidskr. 2:157-160. 1950. 11 K89

74608 KALENICH, W. Bibliography on brush control. San Antonio, Sowest. Res. Inst., Range Mangt. Sect., Agr. Div., 1951. 59 p. 241.01 K12

74609 KALINKEVICH, A. F., and LAVROVSKIĬ, D. G. Chemical measures for weed control in the plantings of branching wheat. (In Russian.) Sovet. Agron. 9(4):87-90. Apr. 1951. 20 So84

74610 KANSAS weed control handbook. Kans. State Bd. Agr. Rpt. 69(298),34 p. Aug. 1950. 2 K13Re

74611 LARSEN, A. Weed control in fibre flax. (In Danish.) Lin 5:79-80. June 1951. 73.18 L63
English summary, p.84.

74612 LEE, O. C. Canada thistle can be killed. Hoosier Farmer 36(8):14-15. Aug. 1951. 280.82 H76

74613 LINSER, H., and PRIMOST, E. Über die verwendbarkeit von holzfässern bei der hormonalen unkrautbekämpfung. Pflanzenschutzberichte 6:161-177. 1951. 464.9 P48

English summary.

74614 LORENZINI, O. A. El abrojo grande y su destrucción. Bolsa de Com. Rosario. Rev. 39(947):11-13. June 30, 1951. 287 R71

74615 MANNING, C. T. One farm is rid of wild mustard. Org. Farmer 3:41. Aug. 1951. 57.8 Or3

74616 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. The suppression of weeds. North. Ireland. Min. Agr. Mon. Rpt. 26:77-80. (Cont.) July 1951. 256.13 Ag82M

74617 ORCHARD, H. E. Weeds of South Australia; South African boxthorn [*Lycium ferocissimum*, Miers]. So. Austral. Dept. Agr. J. 54:428-430. Apr. 1951. 23 So84

74618 PEARSE, C. K. New trends in control of noxious range plants. J. Forestry 49:498-500. July 1951. 99.8 F768

Poisonous to livestock.

74619 PIACCO, R. Use of selective weed killers in rice fields in the next season. (In Italian.) Colt. e Gior. Vinic. Ital. 97:167-168. June 15, 1951. 16 C72

74620 PIRONE, P. P. Controlling crabgrass and other weeds with chemicals. Gard. J. 1:47,57. Mar./Apr. 1951. 80 G1635

74621 PRIDHAM, S. M. S. Chemical weed control in the nursery. Amer. Nurseryman 94(4):12,65-66. Aug. 15, 1951. 80 Am371

74622 ROCHE, W. The importance of weed control in sugar beet production. Beet Grower 5:98-100. July 1951. 66.8 B392

74623 SCHRADER, L. L., and COOK, S. Weed control in lawns and gardens. S. Dak. State Col. Agr. Ext. C. 465,27 p. Mar. 1951. 275.29 So85

74624 SHELTON, G. Mesquite spraying. Cattleman 38(3):76. Aug. 1951. 49 C29
Aerial spraying with ammate.

74625 SJÖBERG, G. H. Dangerous plants. (In Swedish.) Trädgårdstidningen 23(7):22,25. July 1951. 80 T67
Weeds.

74626 SMITH, A. H. Mushrooms may be weeds in the garden, but here are three that are good to eat. Plants & Gard., 7:108-109. Summer 1951. 450 P694

Coprinus comatus, *Coprinus micaceus*, and *Coprinus atramentarius*.

74627 SPERRY, O. E. The use of herbicides in the control of poisonous range plants in Texas. Tex. J. Sci. 3:227-232. June 30, 1951. 470 T31

74628 STODDART, L. A., and others. The Halogeton problem in Utah. Utah. State Agr. Col. Ext. B. 250,12 p. June 1951. 275.29 Utl

G. T. Baird, G. Stewart, B. S. Markham, and H. Clegg, joint authors.

Similar title in J. Range Mangt. 4:223-227. Ref. July 1951. 60.18 J82

74629 STURIALE, F. Herbicides to the test. (In Italian.) Gior. di Agr. 61:220. July 15, 1951. 16 It1G

74630 TIMMONS, F. L., and BRUNS, V. F. Frequency and depth of shoot-cutting in eradication of certain creeping perennial weeds. Agron. J. 43:371-375. Ref. Aug. 1951. 4 Am34P

- 74631 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Chemical weed control in cotton, by R. L. Lovvern. Beltsville, 1951. 9 p. 1.965 W2C42
- 74632 UPPSALA. LANTBRUKSHÖGSKOLAN. Ogräsbekämpning med kemiska medel [Chemical weed control]. Stockholm, 1950. 15 p. 79 Up6
- 74633 VAAS, K. F. Notes on the water hyacinth [*Eichhornia crassipes*] in Indonesia and its eradication by spraying with 2,4-D. Indonesia. Gen. Agr. Res. Sta. Contrib. 120, 59 p. Ref. Feb. 1951. 109.5 Ea73
- 74634 VIKULOVA, N. V. Methods of tilling black fallow in South-East of U.S.S.R. (In Russian.) Sovet. Agron. 9(4):53-58. Apr. 1951. 20 So84
- For weed control in wheat fields.
- 74635 WARDEN, R. L., and JOHNSON, R. Halogeton in Montana. Mont. Wool Grower 20(8):8, 21-22. Aug. 1951. 45.8 M762
- 74636 WARDROP, G. Bracken beaten on the braes. Farmer & Stock-Breeder 65(3220):94-95. July 10, 1951. 10 F228
- 74637 WILSON, R. W. Cultivation for the removal of weeds. (Abs.) Tobacco Workers Conf. Engin. Sect. Proc. 1:21. June 6, 1950. 69.9 T552
- 74638 ZÜRN, F. Höhere alperträge durch borstgrasbekämpfung. Auf der Alpe 6:41-42. June 1951. 18 Au3 Germany.
- Nardus stricta.
- MISCELLANEOUS ECONOMIC PLANTS**
(Drug, Dye, Rubber, Etc.)
- 74639 AMERICAN TUNG OIL ASSOCIATION. Annual proceedings, 1950. Poplarville, Miss., 1950. 69 p. 77.9 Am32
- 74640 ARANGO, R. Aspecto agrícola del problema cafetalero. In Cuba. Comisión Técnica del Café. Libro blanco de la Comisión, p. 35-43. Habana, Banco de Fomento Agrícola e Industrial de Cuba, 1951. 68.29 C892
- 74641 ARNAUD, R. La sauge sclarée. Réveil Agr. 60: 166. June 1, 1951. 14 R322
- 74642 BAKER, H. C. Planting and production of raw rubber, latex, gutta-percha and other related products. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 14: 6-20. Ref. 1950. 305.9 In7A
- 74643 BELGIUM. MINISTÈRE DES COLONIES. DIRECTION GÉNÉRALE DE L'AGRICULTURE ET DE L'ÉLEVAGE. Les oléagineux du Congo Belge, par E. L. Adriaens. Ed. 2. Bruxelles, 1951. 321 p. 463.2 B41
- 74644 BELT, J. B. M. V. D. The Dutch bee pasture. VIII. Clover. (In Dutch.) Maandschr. v. Bijenteelt 53: 112. July 1951. 424.9 V58
- 74645 BOECKLER, A. Mehr gewürzkräuter! Landfrauenarbeit 19:150-151. May 12, 1951. 18 L2347 Germany.
- 74646 BONA, T. Aromatic and medicinal plants; rules for harvesting. (In Italian.) Seme 2:137-138. June 1950. 16 Se5
- 74647 BONDAR, G. Instructions for the planting of rubber. (In Portuguese.) Agr. e Pecuaria 22(331):58-59. Apr. 1951. 9.2 Ag89
- Hevea brasiliensis.
- 74648 BOYD, N. L. Set forth their properties. Md. Gard. 5(6):13-16. (Cont.) June 1951. 80 M362 Herbs.
- 74649 BUI-XUAN-NHUAN. Technologie du Chamaerops humilis. Coton et Fibres Trop. 6:131-132. June 1951. 73.8 C82
- 74650 CENTRO NACIONAL DE INVESTIGACION DE CAFE. Semilleros y almáricos de café. Cent. Nac. de Invest. de Café. B. de Ext. 6, 4 p. Jan. 1951. 68.29 C33B
- 74651 CENTRO NACIONAL DE INVESTIGACIONES DE CAFE. Estudio sobre la propagación de Coffea arabica por estacas en propagadores. Cent. Nac. de Invest. de Café. Bibliot. B. Inform. 2(15):32-35. Mar. 1951. 68.29 C332
- 74652 CHAUDHRI, I. I. The medicinal plants of Chitral State. Pakistan J. Forestry 1:154-158. Apr. 1951. 99.8 P17
- 74653 CHEVALIER, A. Les flores et spécialement les plantes utiles de l'hémisphère austral et notamment de l'Océanie. Rev. Internat. de Bot. Appl. d'Agr. Trop. 31:38-50. Jan./Feb. 1951. 26 P323
- 74654 CONDIT, I. J. We're not so smart; present day cultivated food plants date back before dawn of history. Citrus Leaves 31(7):12-13, 34-35. (To be cont.) July 1951. 80 C492
- 74655 CORRÉA NETTO, P. Restoration of coffee culture. (In Portuguese.) São Paulo Supt. dos Serv. do Café. B. 26:288-291. Apr. 1951. 68.29 Sa63
- 74656 DENGGE, O. Der bienengarten, ein kleines paradies. Carnika-Züchterring 3:40-42. Mar. 1951. 424.8 C21
- Garden layout.
- 74657 EAST MALLING RESEARCH STATION. Thirty-third report on the trial of new varieties of hops, 1949, by Prof. E. S. Salmon. Ashford, Kent, 1950. 13 p. 70.9 W97
- 74658 FISCHER, W. J. Die anwendung unserer heilpflanzen, zugleich ein rezeptbuch für teemischungen. Göttingen, Vandenhoeck & Ruprecht, 1950. 170 p. 459.3 F522
- 74659 FOUARGE, E. Bienfaits des plantes. B. Hort. (n.s.) 6:141-145. (Cont.) May 1, 1951. 80 B873
- Drug plants.
- 74660 GARDNER, V. R. Estudio sobre la fructificación irregular de los cafetos. Agr. Trop. 6(11):53-60. Nov. 1950. 26 Ag8
- 74661 GARDNER, V. R. Variaciones de rendimiento en una plantación de café procedente de semillas. Agr. Trop. 6(9):7-11. Sept. 1950. 26 Ag8
- 74662 GOMES, P. The abiu. (In Portuguese.) Seleç. Agr. 6(60):35-36. Apr. 1951. 9.2 Se4
- Pouteria caimito.
- 74663 GREEN, S. Fjäras horseradish. (In Swedish.) Trädgårdstidningen 23(2):17, 29. Feb. 1951. 80 T67
- 74664 GUEYDON, L. Les plantes condimentaires. Réveil Agr. 60:167-168. June 1, 1951. 14 R322 France.
- 74665 HACKFORTH-JONES, G. J. Factors affecting the quality and abundance of true lavender. Soap, Perfumery & Cosmetics 24:791-794. Aug. 1951. 307.8 So13
- Culture and distillation.
- 74666 HARRISON, C. J. Tea research in India. 2. Coffee & Tea Indus. 74(8):48. Aug. 1951. 389.8 Sp4 Cultural.
- 74667 HARTLEY, C. W. S. Cocoa investigations in Malaya. World Crops 3:289-291. Aug. 1951. 281.8 W892
- 74668 HENAO JARAMILLO, J. La caficultura y la economía nacional. Caracas, "El Compás," 1950. 31 p. [Conferencia Interamericana de Agricultura. 3., Caracas [1945] Comité Ejecutivo. Cuadernos Verdes. Ser. Nacional. No. 84] 281.368 H33
- 74669 HERB SOCIETY OF AMERICA. Report, thirteenth annual meeting, May 23, 24, 25, 1950. St. Louis, 1950. 33 p. 81 H41R
- 74670 HOEK, A. P. V. D. Spice culture offers good prospects. (In Dutch.) Landbode 5(22):1. June 2, 1951. 12 L234 Netherlands.
- 74671 ILTIS, J. Le crin végétal, son importance au Maroc. Coton et Fibres Trop. 6:125-130. June 1951. 73.8 C82
- Fiber of Chamaerops humilis.
- 74672 INDIAN COFFEE BOARD. RESEARCH DEPT. Second annual report, 1948-49. Bangalore, 1950. 54 p. 68.29 m24B
- 74673 JOURDAN, R. Wie lässt sich an geschlossenen salweidenkätzchen (palmkätzchen) die männliche von der weiblichen pflanze unterscheiden. Österr. Imker 1:77. Apr. 1951. 424.8 Os7
- Salix caprea.
- 74674 KHALATIÄN, G. G. Timing for grafting the mulberry tree. (In Russian.) (Sum.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:322. 1950. 20 Er4
- 74675 KLEIN, F. Verbesserung der bienenweide. Kleintierzüchter Tierbörse 5(9):2. Mar. 20, 1951. 49 K672
- 74676 LOUVEAUX, J. Les plantes mellifères. Jard. de France. (ser. 7) 5:5-13. Jan. 1951. 86 So13
- 74677 MACHADO S., A. El sombrero como factor interactuante en la producción del café (Coffea arabica L.). (Sum.) Cent. Nac. de Invest. de Café. Bibliot. B. Inform. 2(16):21-33. Ref. Apr. 1951. 68.29 C332
- 74678 MANCINELLI, F. The aromatic and medicinal flora of Piedmont. (In Italian.) Cron. Econ. 100:10-11. Apr. 1951. 280.8 C882
- 74679 MARTIN, A. C., ZIM, H. S., and NELSON, A. L. American wildlife & plants; a guide to wildlife food habits: the use of trees, shrubs, weeds and herbs by birds and mammals of the United States. New York, McGraw-Hill, 1951. 500 p. 60 M36
- 74680 MARTIN, F. Bouturage du cacaoyer et du caféier. Rev. Internat. des Prod. Colon. 26:108-110. May 1951. 286.8 R326

- 74681 MEJIA BRICENO, U. Informe final sobre el cultivo del cacao. Comt. Nac. del Café. B. 4:367-390. Oct./Dec.1950. 68.28 C732
- 74682 MELLO, E. M. DE. Cares with coffee culture. (In Portuguese.) Lavoura 55:30. Mar./Apr.1951. 9.2 L39 Brazil.
- 74683 MOHRING, K. Der waidbau, "das goldene vlies" thüringens. Urania 14:244-252. July 1951. 474 Ur1
- 74684 MOLFINO, J. F. Helechos medicinales. Chacra 21(249):70-71. Aug.1951. 9 C34
- 74685 MORAES, H. DE. Replants in our coffee plantations. (In Portuguese.) São Paulo Supt. dos Serv. do Café. B. 26:282-287. Apr.1951. 68.29 Sa63
- 74686 MYSLICKA, Z. Badania nad jakością chmielu krajowego zbioru lat 1947 i 1948. Studies in native hop-vine quality 1947 and 1948 crop. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. E 5:277-347. Ref. 1950. 512 L96Ae
English summary.
- 74687 NEFF, M. S., and O'ROURKE, E. N., JR. Fibrous roots—importance and distribution. Amer. Tung Oil Assoc. Proc. 1950:6-7. 77.9 Am32
- 74688 ORTEGA, P. Un descubrimiento de gran utilidad para la industria del cafeto en Honduras. Comt. Nac. del Café. B. 4:339-342. Oct./Dec.1950. 68.29 C732 Pruning.
- 74689 PAPY, H. R. Les plantes utiles de Tahiti et des établissements français de l'Océanie; aperçu historique. Rev. Internatl. de Bot. Appl. d'Agr. Trop. 31: 94-113. Ref. Jan./Feb.1951. 26 R323
- 74690 PERSSON, A. R. A little on herbs. (In Danish.) Gartneryrket 41:471-472. June 30,1951. 80 G1938
- 74691 POTTER, G. F., and CRANE, H. L. Practical frost protection for tung orchards. Amer. Tung News 2(4):4-5,9-10. Aug.1951. 307.8 Am33
- 74692 PYNAERT, L. Le cacao au Congo Belge. Rev. Internatl. des Prod. Colon. 26:99,101-103. May 1951. 286.8 R326
Chiefly on culture.
- 74693 RICHARDS, A. V. The propagation of cacao from cuttings. Trop. Agr. [Peradeniya] 106:104-107. Ref. July/Sept.1950. 26 T751
- 74694 RICHARDS, E. Back to nature with our cultivated ginseng. Fur-Fish-Game 46(6):46-47,55. June 1951. 410 F962
- 74695 RICHARDS, E. In defense of herbs. Fur-Fish-Game 46(7):46-47. July 1951. 410 F962
Drug plants.
- 74696 ROWLEY, M., and ROCHE, M. A. Oldtime herbs for modern gardens. Flower Grower 38(8):32-33, 54-55. Aug.1951. 80 M72
- 74697 SANNIE, C. Les algues utiles d'Océanie. Rev. Internatl. de Bot. Appl. d'Agr. Trop. 31:118-119. Jan./Feb. 1951. 26 R323
- 74698 SCHOONNEVELDT, J. C. VAN. Rubber planting rows. (In Dutch.) Bergcultures 20:187-189,191,193, 195,197,199. June 1,1951. 22.5 B45
- 74699 SCHUBERT, A. Disteln als trachtpflanzen. Deut. Kleintier-Züchter 6(10):5. May 20,1951. 49 Su22
Also in Osterr. Imker 1:116-117. June 1951. 424.8 Os7
- 74700 SCHUBERT, A. Vermehrter kleeanbau, gebot der stunde. Carnika-Züchterring 3:74-75. (Cont.) May 1951. 424.8 C21
Germany.
- 74701 SONWALKAR, M. S. A study of jackfruit [Artocarpus integrifolia] seeds. Indian J. Hort. 8(2):27-30. June 1951. 80 In2
- 74702 STORCH, H. Fröhpollen durch aufpfropfen der männlichen salweide auf andere heimische weidenarten. Hess. Biene 87:15. Apr.1951. 424.8 B476
- 74703 SURVEY of heather areas in Scotland. Scot. Beekeeper 26:180-182. Sept.1950. 424.8 Sco8
Survey directed by C. L. Whittles.
- 74704 THUREAU-DANGIN, L. La culture du caféier en Cote d'Ivoire. Rev. Internatl. des Prod. Colon. 26:115-117. May 1951. 286.8 R326
- 74705 VILANOVA M., T. Factores a considerar para una plantación ideal de café. Cent. Nac. de Agron. C. Agr. 29,4 p. Feb.1951. 8 Sa54C
- 74706 VIROT, R. Les plantes indigènes utiles de la Nouvelle-Calédonie. Rev. Internatl. de Bot. Appl. d'Agr. Trop. 31:120-130. Jan./Feb.1951. 26 R323
- 74707 WALKER, A. A. Les plantes à infusions du Gabon. Cour. Agr. 6(2):3-4. Jan.17,1951. 24 C83
- 74708 WOHLFART, H. Die ölräuke als bienenweide Hess. Biene 87:15-16. Apr.1951. 424.8 B476

- 74709 YOUNGKEN, H. W. The medicinal plant garden of the Massachusetts College of Pharmacy. Amer. J. Pharm. Educ. 15:234-235. Apr.1951. 396.8 Am33

SOILS AND FERTILIZERS

SOIL SCIENCE

- 74710 BIXBY, E. H. "It's time for a change" or progress of soil science. Portland,Oreg.,1950. 114 p. 56.6 B55
- 74711 CASTAGNOL, E. M. Problèmes de sol et l'utilisation des terres en Indochine. Inst. des Rech. Agron. de l'Indochine. Arch. 7,61 p. Jan.1951. 22.5 Sa22
- 74712 ENIKEFF, G. Recherches sur les sols du delta intérieur du Niger. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(1):104-105. 1945,pub.1950. 515 C762C
- 74713 OGG, SIR W. Some aspects of the United Nations Conference on the Conservation of Natural Resources. Chem. & Indus. 32:679-680. Aug.11,1951. 382 M31C
Discusses soils and fertilizers.
- 74714 PASQUIER, R. DU. Les problèmes d'utilisation des terres et leurs solutions en Indochine. Inst. des Rech. Agron. de l'Indochine. Arch. 4,59 p. July 3,1950. 22.5 Sa22
- 74715 TORRES FILHO, A. Soils institute. (In Portuguese.) Lavoura 55:13-17. Mar./Apr.1951. 9.2 L39
Proposes an institute to carry out a soils program for Brazil.

Soil Physics

- 74716 BAVER, L. D. The effect of physical properties of soil on the efficient use of fertilizers. Agron. J. 43:359-363. Aug.1951. 4 Am34P
- 74717 GILLESPIE, J. D. Climate and soil. Gt. Brit. Colon. Devlpmt. Corp. Colon. Devlpmt. 1(5):14-15. Spring 1951. 280.9 G7933C
Effects of climate on soil.
- 74718 GLIEMEROTH, G. Beziehungen zwischen struktur und wasserhaltung auf lehm- und lössböden und ihre bewertung bei der bearbeitung. Z. f. Acker- u. Pflanzenbau 93:319-337. Ref. May 1951. 18 J825
- 74719 HÉNIN, S., and ROBICHET, O. Le mécanisme du soulèvement du sol sous l'influence du gel. Génie Civ. 128:294. Aug.1,1951. 290.8 G29
France.
- 74720 JIMENEZ SALAS, J. A. La mecánica del suelo y su articulación en la ciencia del suelo. An. de Edafología y Fisiol. Veg. 10:175-190. Mar./Apr.1951. 506 Sp12
- 74721 LAMBE, T. W. Soil testing for engineers. New York,Wiley,1951. 165 p. 56.43 L17
- 74722 PANDYA, A. A review of research work on water-stability of soil aggregates. Bansilal Amritlal Agr. Col. Mag. 4:8-11. Ref. Sept.1950. 22 B22
- 74723 RID, H. Bodenphysikalische messungen und exakte bodenbearbeitungsversuche 1949/50 im gebiet "Untere Altmühl." Landwirt. Jahrb. f. Bayern 28(3/4):63-71. Mar./Apr.1951. 18 L24
- 74724 ROZENFEL'D, L. M. Determination of ice content in soil with the aid of thermic properties. (In Russian.) Vsesoŭzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(3):29-34. 1951. 20 Ak1
- 74725 RUSSELL, E. W. Soil structure. II. Maintaining soil stability. Westralian Farmers Co-op Gaz. 20: 211,213,215-216. Apr.1951. 280.28 W522
- 74726 TISDALL, A. L. Variability in soil moisture and infiltration on two Riverina soils. Austral. J. Agr. Res. 2:126-131. Apr.1951. 23 Au783
- 74727 TOKARSKI, J., and OLEKSYNOWA, K. Colorimetric hygrometer for investigations of soil water dynamics. (Abs.) Akad. Umiej. Wydz. Mat.-Prozyroodniczy. Compt. Rend. 1950(4/5):8-9. Apr./May 1950. 512 K85C
- 74728 VAN BAVEL, C. H. M. A soil aeration theory based on diffusion. Soil Sci. 72:33-46. Ref. July 1951. 56.8 So3
- 74729 VERONA, O. Tillage, microbes, and structure of soil. (In Italian.) Humus 7(4):7-10. Apr.1951. 16 H88
- 74730 VITKEVICH, V. I. Thermometer for field measurement of soil temperature in the winter. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok. 12:100-103. 1950. 20 M875

Soil Chemistry and Mineralogy

- 74731 BOOTH, W. H. Soil analysis and the farmer. *Discovery* 12:247-250. Aug.1951. 472 D63
- 74732 BOTTINI, O. Reaction of Italian soils. (In Italian.) *Bari U. Facoltà di Agr. Ann.* 7:107-118. 1950. 105.4 B232
- 74733 BRODINE, M. County agents in soil testing. *Co. Agent & Vo-Ag Teacher* 7(3):14-15. Mar.1951. 275.28 N213
- 74734 CARBONA, F. La fixation des anions phosphoriques par la fraction argile du sol. *Agron. Trop.* 6:304-306. May/June 1951. 26 Ag86
- 74735 COLWELL, J. D. The value of soil analysis to the farmer; instructions for soil sampling. *Agr. Gaz. N. S. Wales* 62:256-258. May 1,1951. 23 N472
- 74736 EPSTEIN, E., and STOUT, P. R. The micro-nutrient cations iron, manganese, zinc, and copper: their uptake by plants from the adsorbed state. *Soil Sci.* 72:47-65. Ref. July 1951. 56.8 So3
- 74737 FYFE, W. S. Note on base exchange in New Zealand laumontite and natrolite. *New Zeal. J. Sci. & Technol. B, Gen. Res. Sect.* 32:28-29. Mar.1951. 514 N48B
- 74738 GEROLA. Soil "reaction." (In Italian.) *Seme* 2:134-135. June 1950. 16 Se5
- 74739 GUERRA, A., and GALIANO, F. Ensayos sobre fijación del potasio en los suelos. *An. de Edafología y Fisiol. Veg.* 10:143-159. Ref. Mar./Apr.1951. 506 Sp12
- 74740 HESLEP, J. M. A study of the infertility of two acid soils. *Soil Sci.* 72:67-80. Ref. July 1951. 56.8 So3
- 74741 HUBERTY, M. R. The salinity problem in nursery soils. *Pacific Coast Nurseryman* 10(5):13-14. Ref. May 1951. 80 P116
- 74742 KLECHKOVSKIĬ, V. M. In regard to the effect of plants on colloido-chemical properties of soil. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:170-175. 1950. 20 M875
- 74743 LÓPEZ A., M. Nitrógeno en los suelos, su aprovechamiento y conservación. *Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform.* 2(17):30-37. May 1951. 68.29 C332
- 74744 LUNDSTEN, T. Simplex-soil analysis. (In Danish.) *Gart.-Tid.* 67:347-349. Aug.8,1951. 80 G192
- 74745 LUNDSTEN, T. Soil analysis. (In Danish.) *Gart.-Tid.* 67:315-318. July 18,1951. 80 G192
- 74746 MACINTIRE, W. H., and others. Effect of fluorine carriers on crops and drainage waters. *Indus. & Engin. Chem.* 43:1797-1799. Ref. Aug.1951. 381 J825
- S. H. Winterberg, L. B. Clements, L. S. Jones, and B. Robinson, joint authors.
- 74747 MARTIN, J. P., and CHAPMAN, H. D. Loss of ammonia nitrogen from surface fertilized soils. *Calif. Citrog.* 36:442,456. Sept.1951. 80 C125
- 74748 MORALES CHOFRE, E. Análisis de suelos forestales españoles. *Spain. Inst. Forest. de Invest. y Exper. B.* 22(55),91 p. 1951. 99.9 Sp1
- 74749 OLSON, L. C. Georgia ag leaders use mobile soil testing units. *Better Farming Methods* 23(9):40,42. Sept.1951. 58.8 B46
- 74750 PATON, D. F. Testing soils with pasture plants. *Tasmania. Dept. Agr. Tasmanian J. Agr.* 22:54-56. Feb.1,1951. 23 T182T
- Fertilizers for forage plants.
- 74751 SCHACHTSCHABEL, P. Bodenreaktion und bodenfruchtbarkeit. *Neue Mitt. f. die Landwirt.* 6:463-464. July 14,1951. 18 N39
- 74752 SHAH, C. C., and AMIN, J. L. Distribution of nutrients in the profile of Goradu soil. *Bansilal Amritlal Agr. Col. Mag.* 4:12-13. Sept.1950. 22 B22
- 74753 SWANSON, C. L. W. The soil gets weighed and measured. *Frontiers Plant Sci.* 34:6. May 1951. 100 F92
- 74754 VOROB'EV, F. K. Effect of prolonged action of fertilizers on conversion of nitrogenous compounds in turf-podzolic soil. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:150-162. 1950. 20 M875
- 74755 WANDER, I. W. Soil reaction or pH. *Citrus Mag.* 13(12):17. Aug.1951. 80 C498
- 74756 WILSON, C. M., LOVVORN, R. L., and WOODHOUSE, W. W., JR. Movement and accumulation of water-soluble boron within the soil profile. *Agron. J.* 43:363-367. Aug.1951. 4 Am34P
- 74757 WONDRAUSCH, A. Rol z adsorbowanych kationów w żywieniu roślin. The role of adsorbed cations in plant nutrition. *Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. E* 5,105-142. Ref. 1950. 512 L96Ae
- English summary.

Soil Biology

- 74758 WRIGHT, A. C. S., and GRIDLEY, E. J. S. Note on boron deficiency in Wharekohe silt loam. *New Zeal. J. Sci. & Technol. A, Agr. Res. Sect.* 31:36-39. Dec.1949, pub. Dec.1950. 514 N48A
- 74759 BAIRD K. J. Multiple infection of clover plants by strains of the nodule organism in the field. *Nature [London]* 168:116-117. July 21,1951. 472 N21
- 74760 BRIAN, P. W., and others. Three new antibiotics from a species of *Gliocladium*. *Experientia* 7:266-267. July 15,1951. 475 Ex7
- P. J. Curtis, S. R. Howland, E. G. Jefferys, and H. Raudnitz, joint authors.
- English summary.
- 74761 CLARK, F. E., and CARR, P. H. Motility and flagellation of the soil *Corynebacteria*. *J. Bact.* 62:1-6. Ref. July 1951. 448.3 J82
- 74762 FEDOROV, M. V. Present-day ideas on the physiological nature of the process of atmospheric nitrogen fixation by bacteria. (In Russian.) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.* 12:134-149. 1950. 20 M875
- 74763 GLEEN, H. Microbiological oxidation of ammonium and thiocyanate ions in soil. *Nature [London]* 168:117-118. July 21,1951. 472 N21
- 74764 GRACE, J. B. Myxobacteria mistaken for nitrifying bacteria. *Nature [London]* 168:117. July 21, 1951. 472 N21
- 74765 HAIL, M. For sick soil-bacteria. *Org. Farmer* 3:24-25. Aug.1951. 57.8 Or3
- 74766 JORDAN, D. C., and GARRARD, E. H. Studies on the legume root nodule bacteria. I. *Canad. J. Bot.* 29:360-372. Ref. Aug.1951. 470 C16C
- 74767 LAUDELOUT, H., and DU BOIS, H. Microbiologie des sols latéritiques de l'Uele. *Inst. Natl. pour l'Etude Agron. du Congo Belge. P. Sér. Sci.* 50,36 p. Ref. 1951. 24 In7
- 74768 PATHAK, A. N., SHRIKHANDE, J. G., and MUKERJI, S. K. Nitrogen fixing capacity of the different fractions of the soil. *Cur. Sci.* 20:130-131. May 1951. 475 Sci23
- 74769 PINCK, L. A., and ALLISON, F. E. Resistance of a protein-montmorillonite complex to decomposition by soil microorganisms. *Science* 114:130-131. Aug.3,1951. 470 Sci2
- 74770 REINBOLDT, B. Über die verteilung einiger niederer Phycomyceten im erdboden. *Arch. f. Mikrobiol.* 16:177-200. Ref. 1951. 442.8 Ar26
- 74771 ROUATT, J. W., LECHEVALIER, M., and WAKSMAN, S. A. Distribution of antagonistic properties among Actinomycetes isolated from different soils. *Antibiotics & Chemother.* 1:185-192. Ref. June 1951. 396.8 An8
- 74772 SADLER, F. W. World debt to earthworm. *My Gard.* 42:503-506. May 1951. 80 M995
- 74773 SEIFERT, J. A soil-biological study of forest associations in Velká Fatra. (In Czech.) *Lesn. Práce* 29: 43-356. Dec.1950. 99.8 L56
- English summary.
- 74774 STAPP, C. Über die wirkung von E 605-präparaten auf bodenbakterien. *Nachtbl. des Deut. Pflanzenschutzdienstes* 3:27-29. Feb. 1951. 442.9 B832
- 74775 SWENSSON, W. Der bodenwurm. *Obstbau* 70:72-73. May 1,1951. 80 Ob73
- 74776 TAYLOR, C. B. Nature of the factor in soil-extract responsible for bacterial growth-stimulation. *Nature [London]* 168:115-116. July 21,1951. 472 N21
- 74777 TSCHAPEK, M., and GARBOSKY, A. J. Adsorción del Azotobacter y su importancia agronómica. I. *Argentina. Inst. de Suelos y Agrotéc. P.* 14,14 p. 1950. 56.9 Ar3
- 74778 WIKEN, T. O. Die erforschung der bakteriellen bindung des luftstickstoffes. *Grüne* 79:454-457. Apr.20, 1951. 17 Sch9
- 74779 WINTER, A. G. Untersuchungen über die ökologie und den massenwechsel bodenbewohnender mikroskopischer pilze. II. *Arch. f. Mikrobiol.* 16:136-162. Ref. 1951. 442.8 Ar26

Soil-Plant-Animal Relationships

- 74780 BÖHME-SKASSA, C. Kreislauf der natur. *Deut. Landwirt. Presse* 74:130-131. May 19,1951. 18 D482
- Soil-plant-animal relationships.

74781 VAN DERLINDEN, L. Soil science, its relation to plant, human & animal nutrition. *New Agr.* 33(10):6-9. July 1951. 66.8 Su32
Also in *Pacific Nowest. Indus.* 10:202-206. Aug. 1951. 280.8 N812

Soil Genesis, Formation, Classification, and Mapping

74782 AGARWAL, R. R., and MUKERJI, S. K. Genetic alluvium of India: pedochemical characters of the genetic soil types of Gorakhpur District in the United Provinces. *Soil Sci.* 72:21-32. July 1951. 56.8 So3
74783 BALDWIN, J. G. A soil survey of the Shire of Whittlesea, Victoria. *Roy. Soc. Victoria. Proc. (n.s.)* 62: 173-196. Ref. 1950. 514 M482
74784 BEAUS QUIJADA, M. El suelo como entidad natural; factores que concurren a formarlo. *Balearic Isl. Diputación Prov. B. de Agr.* 79:8-9. Apr. 1951. 15 B19
74785 BOTTINI, O., and LISANTI, L. Researches on the salt soils of Tavoliere. (In Italian.) *Bari U. Facoltà di Agr. Ann.* 7:223-257. Ref. 1950. 105.4 B232
74786 BURINGH, P. The soils of Gelderland. VI-VII. (In Dutch.) *Gelders Landbbl.* 14(20):12;(21):12. May 19-26, 1951. 12 G282
74787 COLLIER, D. Sur l'altération des granites à grains fins en Auvergne. *Acad. des Sci. Compt. Rend.* 233:199-201. July 9, 1951. 505 P21
74788 EDWARDS, M. J., and ABLEITER, J. K. Soil survey Morton County, North Dakota. *U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey 1936(28)*, 145 p. Ref. June 1951. 1 So32F
74789 FRYE, J. C., and LEONARD, A. B. Stratigraphy of the late pleistocene loesses of Kansas. *J. Geol.* 59:287-305. Ref. July 1951. 403 J82
74790 HURST, F. B. Climates prevailing in the yellow-gray earth and yellow-brown earth zones in New Zealand. *Soil Sci.* 72:1-19. July 1951. 56.8 So3
74791 LEONARD, A. B. Stratigraphic zonation of the Peoria loess in Kansas. *J. Geol.* 59:323-332. Ref. July 1951. 403 J82
74792 MCCLELLAND, J. E., WHITE, E. M., and RIECKEN, F. F. Causes of differences in soil series of the Missouri River bottomlands of Monona County. *Iowa Acad. Sci. Proc.* 57:253-258. 1950. 500 Io93
74793 MICK, A. H., and others. Soil survey, Newaygo County, Michigan. *U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey 1939(9)*, 68 p. Apr. 1951. 1 So32F
R. M. Basile, A. W. Gronlund, J. T. Stone, C. L. Bennett, C. H. Wonsler, and M. M. Striker, joint authors.
74794 MICKELSON, J. C. A post-Loveland pre-Iowan loess in western Iowa. *Iowa Acad. Sci. Proc.* 57: 267-269. 1950. 500 Io93
74795 MORTLOCK, H. C. Reconnaissance soil survey of Japan; northern Honshu area. *Supreme Commander Allied Powers. Nat. Resources Sect. Rpt.* 110-G, 69 p. June 1951. 280.9 AL5
74796 MURO C., J. DEL C. Suelos tropicales del Perú. *Mensajero Agr.* 57/58:30; 59/60:40-41. Jan./Feb.-Mar./Apr. 1951. 9.8 M52
74797 RUHE, R. V. Petrographic notes on the loesses of the Des Moines drift lobe. *Iowa Acad. Sci. Proc.* 57: 277-281. 1950. 500 Io93
74798 SCHAUFELBERGER, P. La laterita y los suelos rojos y amarillos. *An. de Edafología y Fisiol. Veg.* 10:161-174. Ref. Mar./Apr. 1951. 506 Sp12
74799 SMEETS, J. G. P. M. The soils of the Netherlands in general. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:213-215. July/Aug. 1951. 12 N282
74800 ULRICH, R., and RIECKEN, F. F. Some physical characteristics of Wiesenboden and Planosol soils developed from Peorian loess in southwestern Iowa. *Iowa Acad. Sci. Proc.* 57:299-305. 1950. 500 Io93
74801 VALEK, B. The soil origin and development on the gneiss formation around the town Vlašim in the middle of Bohemia. (In Czech.) *Českoslov. Akad. Zeměděl. Sborn.* 23:343-349. Mar. 1951. 19.5 C332C
English summary.
74802 VERMOESEN, E. P. R. A soil map on private farms. (In Flemish.) *Agricoltura [Louvain]* 49:65-82. Ref. June 1951. 13 R32
French summary.
74803 VILENSKIĖ, D. G. On the correct theory of soil formation and incorrect views on the process of soil formation. (In Russian.) *Sovet. Agron.* 9(4):33-41. Apr. 1951. 20 So84
74804 WIELEN, H. G. W. V. D. Belgian agriculture. I. The soil of Belgium. (In Dutch.) *Landbode* 5(22):5. June 2, 1951. 12 L234
Types.

SOIL MANAGEMENT

74805 BAUER, F., and LUTZ, J. L. Zusammenfassung der vorläufigen ergebnisse. *Landwirt. Jahrb. f. Bayern* 28(3/4):123-132. Mar./Apr. 1951. 18 L24
Results of water regulation program and soil management.
74806 BEADON, F. G. When the green field comes off like a lid. *Farmers Wk. [London]* 34(26):61, 63. June 29, 1951. 10 F2226
Open-coal mining in Great Britain and its effect on agriculture.
74807 BELZ, Wasserwirtschaft u. bodenverbesserungen bei umlegungen (flurbereinigungen). *Wasser u. Boden* 3:57-58. Mar. 1951. 56.8 W28
Germany.
74808 COPPING, K. A. Land development in the Lucindale district. *So. Austral. Dept. Agr. J.* 54:451-452, 454. Apr. 1951. 23 So84
Soil management.
74809 CORRADI, F. L'Appennin Emilien et la loi sur les localités déprimées du centre-nord. (In Italian.) *Italia Forest. e Mont.* 6:76-78. Mar./Apr. 1951. 99.8 It12
French summary.
Reclamation and agrarian reform.
74810 DAY, R. P. Reclamation and soil fertility. *Org. Farmer* 3:50-52. Aug. 1951. 57.8 Or3
74811 FOSTER, R. L. Old farm regains its youth; experience of new owner shows land is seldom so badly damaged it cannot be restored. *Capper's Farmer* 62(8): 16, 65. Aug. 1951. 6 M693
74812 GALLETTI, A. C. In the world of the scaly clay: Volterra is redeemed. (In Italian.) *Gior. di Agr.* 61:197. June 24, 1951. 16 It1G
74813 GONZALEZ TAFUR, O. B. El control de la fertilidad de los suelos agrícolas. *Vida Agr. [Lima]* 28: 431, 433-434. June 1951. 9.8 V66
74814 GRECO, A. Reclamation of the Sibari Plain. (In Italian.) *Agr. Ital.* 2:282-284. June 1, 1951. 16 Ag822
74815 HAARER, A. E. Soils without humus. *Gt. Brit. Colon. Devlpmt. Corp. Colon. Devlpmt.* 1(5):22-23. Spring 1951. 280.9 G7933C
Soil management in the Tropics.
74816 HUSEMANN, C. Zur landwirtschaftlichen bewertung der marschböden. *Neue Mitt. f. die Landwirt.* 6:367-368. June 2, 1951. 18 N39
Management.
74817 JACKSON, N. Texas strikes organic matter; a combination of deep plowing and good farming practices is turning the Texas Dust Bowl into rich Cotton Bowl. *Oreg. Farmer* 3:31-23, 49. Aug. 1951. 57.8 Or3
74818 KOROL'KOV, E. D. Warming up the surface climate for growing seedlings and early vegetables. (In Russian.) *Sad i Ogorod* 2:61-65. Feb. 1951. 80 Sa13
Soil heating chiefly.
74819 LIMSTROM, G. A., and MERZ, R. W. Overburden analyses and strip-mine conditions in the north-western district of the Ohio coal-mining region. *U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper* 124, 36 p. July 1951. 1.9622 C3T222
74820 LUPORI, N. "1951" year of renewing and intercalary crops? (In Italian.) *Mondo Agr.* 2(18):5. May 6, 1951. 16 M74
Soil management practices after winter floods.
74821 MESSERLY, W. T. Who says grain farming ruins soil? *Successful Farming* 49(8):32-33. Aug. 1951. 6 Su12
74822 MILLER, M. F. Soil improvement and soil conservation in Missouri. *Mo. Agr. Expt. Sta. C.* 357, 35 p. Mar. 1951. 100 M693
74823 OLIVA, A. The reclamation of the volcanic soils of central Italy. (In Italian.) *Genio Rur.* 14:3-13. Ref. Jan./Feb. 1951. 281.8 R522
74824 PELO PARDI, T. DEL. Course for technicians on soil management concluded. (In Italian.) *Agr. Ital.* 2:299-300. June 1, 1951. 16 Ag822
74825 PEMBERTON, F. Farmer with a mission. *Org. Farmer* 3:29-33. Aug. 1951. 57.8 Or3
Organic farming.
74826 POTTER, G. F., and CRANE, H. L. Soil management in the tung orchard. *Amer. Tung Oil Assoc. Proc.* 1950:8-11. 77.9 Am32
74827 REICHART, M. A. L. Algunas formas de acrecentar la productividad de los suelos. *Soc. Rur. de Rosario. Rev.* 30(349/350):32-36. Mar./Apr. 1951. 9 So14
Soil management.

- 74828 RODALE, R. English scientist visits United States. In her extensive lectures throughout the country, Lady Eve Balfour has shown us the rapid progress of organic farming in England. *Org. Gard.* 19(2):18. Aug. 1951. 56.8 Or3
- 74829 SECANO y regadío. *Cult. Mod.* 34:126. Apr. 1951. 15 C89
Spain.
- 74830 SELLWOOD, T. A. Farming on the "tarry" soils of North Otago. *New Zeal. J. Agr.* 82:331-334. Apr. 16, 1951. 23 N48J
- 74831 SODY, L. L'amélioration de la fertilité des terres congolaises. Belgium. *Min. des Colon. B. Agr. du Congo Belge* 42:283-294. June 1951. 24 K83
- 74832 STAHR, A. Natural farming at Stahrand. *Land* 10:181-185. Summer 1951. 279.8 L22
- 74833 STEIGER, O. Erhaltet die "alte kraft." *Neue Mitt. f. die Landwirt.* 6:431-432. June 30, 1951. 18 N39
Organic farming.
- 74834 THOMAE, A. Wege zur bodenfruchtbarkeit. *Württemb. Wchnbl. f. Landwirt.* 118:545-546. July 7, 1951. 18 W96
Soil management and use of fertilizers.
- 74835 TRIST, P. J. O. Essex and Suffolk clays. *Gt. Brit. Min. Agr. Agriculture* 58:176-179. July 1951. 10 G79J
- 74836 WALLACE, J. C. Farming on the silts. *Gt. Brit. Min. Agr. Agriculture* 58:180-182. July 1951. 10 G79J
- 74837 WEGNER, M. Die bodenverbesserungsarbeiten im süden des europäischen Russland. *Wasser u. Boden* 3: 53-55. Mar. 1951. 56.8 W28
- Soil Fertility**
- 74838 AGUIRRE A., R. 50 años de experiencia con abonos. Manabí, Ecuador. *Consorcio de Cent. Agr. B.* 12(65):27-29. Jan./Mar. 1951. 9.5 M31
- 74839 ALBERT, A. R. Six long strides to better sandy soils. 5. Increase soil organic matter. *Wis. Agr. Col. Ext. Spec. C.* 2 p. Mar. 1951. 275.29 W75S
- 74840 ALICANTE, M. M., and others. Preliminary report on the effects of soil sulphad applied singly and in combination with certain other fertilizers on the growth and yield of various Philippine crops. *Soil Sci. Soc. Philippines. J.* 3:82-91. Second Q. 1951. 56.9 So35
P. M. Matulac, A. C. Bello, M. A. de la Cruz, and R. A. Afenir, joint authors.
- 74841 ANSTETT, A. L'influence de l'apport azote dans l'humification des sarments de vigne. *Acad. d'Agr. de France. Compt. Rend.* 37:240-244. Apr. 11, 1951. 14 P215Bc
- 74842 ARNOLD, B. L. Influence of nitrogen on oats for winter grazing. *Victory Farm Forum* 42:12-13. Aug. 1951. 281.8 F226
- 74843 BARANOV, P. A., and SHCHEPETIL'NIKOVA, A. M. Properties of granulated fertilizers. (In Russian.) *Vsesoiúzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 16(3):3-11. 1951. 20 Ak1
Experiments with millet.
- 74844 BARTH, H. Aus der praxis der künstlichen düngung. *Unser Wald* 4(3):9-10. Mar. 1951. 99.8 Un7
- 74845 BAUR, K. Fertilizers for bulbs or a squint in the crystal ball. *Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course* 3:16-18. 1950. 81 N818
- 74846 BEAR, F. E., and PRINCE, A. L. Organic matter in New Jersey soils. *N. J. Agr. Expt. Sta. B.* 757, 24 p. June 1951. 100 N46S
- 74847 BISHOP, N. How hungry is your pasture? *Ranchman* 10(12):14-15. Apr. 1951. 49 R15
Fertilizing.
- 74848 BLIN, H. Les qualités des pommes et des poires; le rôle de la potasse. *Potasse* 25:107-110. July/Aug. 1951. 57.8 P84
- 74849 BORODICH, D. Supplementary feeding of winter grain with mineral fertilizers as a measure for increasing their yields. (In Russian.) *Sovet. Agron.* 9(4): 9-17. Apr. 1951. 20 So84
- 74850 BOUYER, S., TOURTE, R., and COLLOT, L. Deuxième contribution à l'étude de la fumure des terres à arachide du Sénégal; effet résiduel des formules NPK sur la deuxième année de culture. *Agron. Trop.* 6:287-293. May/June 1951. 26 Ag86
- 74851 BREGGER, J. T. Crimson clover, a cover crop for peaches. *N. J. State Hort. Soc. Hort. News* 32: 2408. July 1951. 81 N46
- 74852 BUTIJN, J. Experiments with green manure crops in orchards. (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 14:341-356. June 1951. 86 N384
English summary.
- 74853 CARDER, A. C., and HANSON, A. A. Sweet clover and the grey-wooded soils of the Peace River region. *Sci. Agr.* 31:325-344. Ref. Aug. 1951. 7 Sci2
Soil management practices including sweet clover and fertilizers and their effects on crops in Alberta, Canada.
- 74854 CASTER, A. The fertilization of fall vegetables. *Crop Comments* 4(9):1-2. July 1951. 57.8 C88
- 74855 CASTORINA, S. Yield of the olive in relation to fertilizers. (In Italian.) *Olivicoltura* 6(2):4-7. Feb. 1951. 80 OL42
- 74856 CHAPMAN, H. D. Nitrogen needs of citrus; losses caused by leaching and volatilization can be reduced by management and irrigation practices. *Calif. Agr. [Calif. Sta.]* 5(6):6. June 1951. 100 C12Cag
- 74857 CHATEL, C. L'importance du sol en arboriculture. *Réveil Agr.* 60:165-166. June 1, 1951. 14 R322
France.
- 74858 CHESTER, K. S. Complete mineral soil fertility. *New Agr.* 33(10):14-15. July 1951. 66.8 Su32
- 74859 CHITCHIAN, A. G. The effect of mineral fertilizers upon the growth and yield of Bockeat grapes. (In Russian.) *Akad. Nauk Armianskoï SSR. Izv. Biol. i Sel'skokhoz. Nauk* 3:281. 1950. 20 Er4
- 74860 COGAN, C. The advantages of summer and autumn liming of land. *Beet Grower* 5:105-106. July 1951. 66.8 B392
- 74861 CONSOLINI, A. Phosphate fertilizers and the results of the 2d regional contest for higher grain production of the Lombardian provinces. (In Italian.) *Campagna Milan.* 15/16:1-2. Aug. 15/31, 1950. 16 C153
- 74862 DALE, C. J. When fruit trees suffer from starvation. *Smallholder* 85(2147):10. July 13, 1951. 10 Sm1
Nitrogen and potash deficiency.
- 74863 DALMASSO, G. Limitation of viticulture to lands "with a viticultural vocation"? (In Italian.) *Colt. e Glor. Vinic. Ital.* 97:116-117. Apr. 30, 1951. 16 C72
- 74864 DAVIS, F. L., and CROGDEN, C. A. Results of lime and gypsum experiments with runner peanuts. *Ala. Agr. Expt. Sta. Prog. Rpt. Ser.* 48, 6 p. May 1951. 100 AL1M
- 74865 DEMENT, J., and STURGIS, M. B. Fertilizer for sugar cane. *Sugar B.* 29:326-329. Aug. 1, 1951. 65.9 Am32
- 74866 DIEMER JOHANNSEN, J. Fertilización del trigo. *Agr. Austral* 19:191-195. May 1951. 9.3 Ag842
- 74867 DOETSCH, J. F. Winter grazing depends on nitrogen supply. *Victory Farm Forum* 42:2. Aug. 1951. 281.8 F226
- 74868 DRAGE, C. M. We still need soil. *Green Thumb [Denver]* 8(8):11. Aug. 1951. 80 G82
- 74869 DROSDOFF, M., and LAGASSE, F. S. Which soils are suited to tung production. *Amer. Tung Oil Assoc. Proc.* 1950:16-19. 77.9 Am32
- 74870 FAGUNDES, A. B., and others. Tobacco fertilizer experiment in the forest zone of Minas Gerais. (In Portuguese.) *Brazil. Serv. Nac. de Pesquisas Agron. B.* 6, 39 p. Ref. 1950. 9.2 B738
E. P. Heringer, R. E. Kalckmann, and D. P. P. de S. Britto, joint authors.
English summary.
- 74871 FENNELL, T., JR. Food for thought on orchid feeding. *Amer. Orchid Soc. B.* 20:455-459. Aug. 1951. 80 Am329
- 74872 FONDARD, L. Le chaulage des terres. *Réveil Agr.* 60:114-115. Apr. 15, 1951. 14 R322
- 74873 FONDARD, L. Nécessité d'orienter la qualité de la fumure. *Réveil Agr.* 60:99-100. Apr. 1, 1951. 14 R322
- 74874 FRANKEN, W. C. A. C. Ammonium nitrate and phosphate. II. Value as a phosphate fertilizer. (In Dutch.) *Boer en Tuinder* 5(233):3. July 7, 1951. 12 B632
- 74875 GAINES, J. P. Use of anhydrous ammonia reduces tung production costs. *Miss. Agr. Expt. Sta. Inform. Sheet* 462, 2 p. Apr. 1951. 100 M69In
- 74876 GALE, J. F. Greater grasslands. *Fert. Rev.* 26(3):3-5, 14. July/Sept. 1951. 57.8 F414
- 74877 GAMP. Hochstamm-obstbau auf grünland; steigerung und sicherung der obsterträge durch zusätzliche flüssige düngung. *Landwirt. Z. der Nord-Rhein-prov.* 118:571-572. June 30, 1951. 18 L2344
- 74878 GEVORKIAN, V. A. The influence of fertilizer upon the growth and fruit bearing of apricot. (In Russian.) *Akad. Nauk Armianskoï SSR. Izv. Biol. i Sel'skokhoz.* 3: 659-663. 1950. 20 Er4
- 74879 GOGANOV, A. V. Use of superphosphate for spring feeding of winter rye. (In Russian.) *Sovet. Agron.* 9(4):18-22. Apr. 1951. 20 So84

- 74880 GOGGANS, J. F. Topsoil and pine trees in Alabama's Piedmont. Ala. Agr. Expt. Sta. L. 31,6 p. May 1951. 100 AL18
Effect of soil on tree growth.
- 74881 GROS, A. La fumure du maïs-grain. B. des Engrais 330:64-66. Apr. 1951. 57.8 B87
- 74882 GROSSMAN, J., and ASSIS, J. A. DE. Experiments in fertilizing. (In Portuguese.) Rev. Agron. [Porto Alegre] 15(169/173):2-15. Jan./Apr. 1951. 9.2 R325
- 74883 HALL, T. D. Holland guards her soils. Veld-trust 12(2):28-30,31. Feb. 1951. 56.8 V54
Fertility.
- 74884 HAMILTON, R. G. Soil fertility in the home garden. New Zeal. Dept. Agr. B. 340,12 p. 1950. 23 N48Bu
- 74885 HAUER, E. Richtige düngung; kurzlehrgang für erfolgreiche düngung. Graz, Stocker, 1950? 72 p. 57.6 H29
- 74886 HERBERG, K. O. Some practical experiences in fertilizing. (In Norwegian.) Norsk Landbr. 17:292-294. Aug. 3, 1951. 11 N8122
- 74887 HESTER, J. B. The influence of soil type and structure upon tree growth. Shade Tree 24(3):1-4. Mar. 1951. 99.8 Sh1
- 74888 HIBON, J. La fumure du blé au Maroc. Potasse 25:105-106. July/Aug. 1951. 57.8 P84
- 74889 HILDRUM, E. Growth requirements, soil and fertilizer. (In Norwegian.) In Eriksen, N., ed. Hagebok for hvermann, p. 179-204. Oslo, Gyldendal, 1951. 90.1 Er4
- 74890 HILF, H. H., and others. Weiserpflanzen für den forstkulturbetrieb; folgerungen aus düngungsversuchen mit schnellwachsenden holzarten. Forstarchiv 22:43-50. Ref. Mar. 30, 1951. 99.8 F7723
H. Freyenhagen, P. Hansen, and G. Kaminsky, joint authors.
- 74891 HOFMANN, E., BUCHNER, A., and SCHULZ-SCHOMBURGK, E. Die wirkung der kalidüngung auf boden und pflanze nach den ergebnissen eines 35 jährigen feldversuches. Z. f. Pflanzenbau u. Pflanzenschutz 1:212-228. Ref. Dec. 1950. 464.8 P88
- 74892 HUGHES, T. J. Soil tests prove mineral needs in fertilizer. Fla. Grower 59(7):9,12. July 1951. 80 F6622
- 74893 HUMBERT, G. Mineraldünger und humushaushalt unserer böden. Hannoversche Land- u. Forstwirtschaft. Ztg. 103:1138-1139. Dec. 16, 1950. 18 H194
- 74894 IÄZVITSKII, M. N. Local fertilizers in orchards. (In Russian.) Sad i Ogorod 2:12-16. Feb. 1951. 80 Sa13
- 74895 IGNATIEFF, V. El uso eficaz de los fertilizantes. Tierra [México] 6:273-275,314-317. May 1951. 8 T445
- 74896 IRELAND. DEPT. OF AGRICULTURE. The maintenance of soil fertility. Ireland. Dept. Agr. L. 54, 7 p. Sept. 1950. 10.5 Ir42
- 74897 IVANOV, V. K. Drilling granulated superphosphate for sunflowers. (In Russian.) Vsesoizn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(3):12-15. 1951. 20 Ak1
- 74898 IVANOV, V. K. Row and drill application of fertilizers to sunflower. (In Russian.) Sovet. Agron 9(4):23-32. Apr. 1951. 20 So84
- 74899 IVERSEN, K. Field experiments and laboratory methods for the determination of the fertilizer requirement of soils. (In Danish.) Nord. Jordbrorsk. 1949/50:190-211. Ref. 1951. 11 N752
English summary.
In Scandinavia.
- 74900 KALCKMANN, R. E., and PEREIRA, H. Experiments with fertilizer and lime on wheat in Ponta Grossa, Brazil. (In Portuguese.) Brazil. Serv. Nac. de Pesquisas Agron. B. 5,57 p. Ref. 1949, pub. 1950. 9.2 B738
English summary.
- 74901 KENNERLY, A. B. Fertilizing grasses and legumes. Co. Agent & Vo-Ag Teacher 7(8):13. Aug. 1951. 275.28 N213
- 74902 KIK, M. C. Effect of fertilization on nutritive value of rice grain and mill yield. Rice J. 54(7):39-40. Ref. July 1951. 59.8 R36
- 74903 KOHNLEIN, J., and FENSE, H. Siebenjähriger Beta-rüben-versuch auf lehmböden im osten Schleswig-Holsteins. Z. f. Acker- u. Pflanzenbau 93:338-346. May 1951. 18 J825
- 74904 KRÜGER, F. H. Über den einfluss einseitiger düngung auf den kartoffelabbau. Z. f. Acker- u. Pflanzenbau 93:359-385. Ref. May 1951. 18 J825
- 74905 KUNKEL, R. Fertilizer tests on Colo. spuds. Colo. Potato Grower 28(11):1,5. May 1951. 75.8 C71
- 74906 LATZKO, E., and HOFMANN, E. Einfluss der stickstoff- und kalidüngung auf fermentgehalt und qualität bei weisskraut (Brassica oleracea capitata alba). Z. f. Pflanzenbau u. Pflanzenschutz 2:42-47. Ref. 1951. 464.8 P88
- 74907 LIVENS, J. Exigences édaphiques des principales cultures tropicales. Belgium. Min. des Colon. B. Agr. du Congo Belge 42:295-308. June 1951. 24 K83
- 74908 LYNCH, P. B. Measuring efficiency of topdressing by light aircraft. New Zeal. J. Agr. 82:315,317, 319-320. Apr. 16, 1951. 23 N48J
- 74909 MACINTIRE, W. H., and others. Crop and soil reactions to applications of hydrofluoric acid. Indus. & Engin. Chem. 43:1800-1803. Ref. Aug. 1951. 381 J825
S. H. Winterberg, L. B. Clements, L. J. Hardin, and L. S. Jones, joint authors.
- 74910 MCVICKAR, M. H. Chemical fertilizer plays major role in replacing lost frontiers for cotton land. Cotton Trade J. 31(35):10. Aug. 24, 1951. 72.8 C8214
- 74911 MARCONDES E MELLO, E. The soil "lent" to the farmer. (In Portuguese.) Rev. Agron. [Porto Alegre] 15(169/173):56. Jan./Apr. 1951. 9.2 R325
Use of fertilizers in Brazil.
- 74912 MARIMPIETRI, L. Acidity, lime and development of the olive. (In Italian.) Olivicoltura 5(11):1. Nov. 1950. 80 OL42
- 74913 MEIJERS, P. G. Groenbemesting op klei en zavel [Green manuring of clay and loam]. Netherlands. Dir. van de Landb. Vlugsch. v. de Landb. 9,6 p. Mar. 1951. 12 N38Vs
- 74914 MELLO, E. M. DE. Effects of fertilizing. (In Portuguese.) Seleç. Agr. 6(61):37-38. May 1951. 9.2 Se4
- 74915 MELLO, E. M. DE. Green manuring. (In Portuguese.) Seleç. Agr. 6(62):49-51. June 1951. 9.2 Se4
Brazil.
- 74916 MELLO, E. M. DE. Maintenance of soil organic matter. (In Portuguese.) Seleç. Agr. 6(60):17-18. Apr. 1951. 9.2 Se4
- 74917 MOK, B. C., and YEH, T. Y. Report on the test of sugarcane varieties with heavy and light dosages of fertilizers. (In Chinese.) J. Sugarcane Res. 4:257-266. Sept. 1950. 65.8 J822
English summary.
- 74918 MOLLER A., E. Observaciones sobre la abona dura en suelos sureños. Agr. Austral 19:143-151. Apr. 1951. 9.3 Ag842
Chile.
- 74919 MORITA, S. Studies on the soils of apple orchards in Japan. I. Hort. Assoc. Japan. J. 19:150-152. June 1950. 87 H78
- 74920 MORITA, Y. Studies on physical properties of soils in relation to fruit tree growth. I. Survey of orchard soils. (In Japanese.) Hort. Assoc. Japan. J. 19:134-142. Ref. June 1950. 87 H78
English summary.
- 74921 MORRIS, E. M., and HENDRICKS, E. G. Fertilizing grass for seed. Ariz. Farmer 30(15):10-11. July 21, 1951. 6 Ar44
- 74922 MURARO, L. A. Legumes vitalize the soil. (In Portuguese.) Rev. Agron. [Porto Alegre] 15(169/173):44-45. Jan./Apr. 1951. 9.2 R325
- 74923 MURAYAMA, S. J. The liming of our soils. (In Portuguese.) Chacaras e Quintais 84:88. July 15, 1951. 9.2 C34
- 74924 MURAYAMA, S. J. Some problems of fertilizing. (In Portuguese.) Chacaras e Quintais 83:759-761. June 15, 1951. 9.2 C34
- 74925 NELSON, L. B. Radioactive fertilizers; atomic science helps solve soil problems. Reclam. Era 37:134-135,147. July 1951. 156.84 R24
Radioactive phosphorus.
- 74926 NELSON, L. M. Oregon knows that fertilizer pays. Com. Fert. 83(2):24-25,56-57. Aug. 1951. 57.8 C73
- 74927 NEUMANN, R. Nuestra política de abonamiento deberá orientarse hacia el empleo de altas dosis de fertilizantes nitrogenados. Azucar 1(2):7-9,11,13,15-16. Aug. 1950. 65.8 Az8
Peru.
- 74928 OPITZ, K. Untersuchung der böden eines dauerversuches nach der methode von Egner-Riehm. Z. f. Acker- u. Pflanzenbau 93:308-318. May 1951. 18 J825
- 74929 ORTEGA NIETO, J. M. Terrenos adecuados para frutales. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 13,12 p. July 1950. 15 H68
- 74930 PADEN, W. R. Fertilize and topdress for winter grazing and grain. Victory Farm Forum 42:6. Aug. 1951. 281.8 F226

- 74931 PARMENTER, S. W. Liquid feeding of trees by the jet method. *Arborist's News* 16:65-68. July 1951. 99.8 Ar14
- 74932 PASINI, B. Localized fertilization of wheat. (In Italian.) *Agr. Ferrarese* 54:193-195. Sept. 30, 1950. 16 Ag87
- 74933 PICARD, D. Humus, stickstoff, kalk. *Unser Wald* 3(6):21. June 1950. 99.8 Un7
- 74934 PLAVSKIĬ, G. E. Relation of sugar beet yields to depth of plowing and fertilizers. (In Russian.) *Sovet. Agron.* 9(4):85-87. Apr. 1951. 20 So84
- 74935 PROEBSTING, E. L., and WARNER, R. M. Effect of fertilizer on yield and quality of figs. *Calif. Fig Inst. Proc. Annu. Res. Conf.* 5:16-18. Mar. 16, 1951. 93.44 C122P
- 74936 PURVIS, E. R. Nutrients essential to plant growth. *Amer. Rose Mag.* 10(7):7-9. July/Aug. 1951. 80 Am327A
- 74937 QUDET, P. Que penser de la localisation des fumures? *Potasse* 25:111-113. July/Aug. 1951. 57.8 P84
- 74938 RAHN, E. M. Drilling vs. banding of fertilizer for lima beans. *Del. Agr. Expt. Sta. B.* 291,8 p. Feb. 1951. 100 D37S
- 74939 REINAU, E. H. Behandeln wir den boden richtig? XII. Kalorie, zahlen und urteil! *Tech. f. Bauern u. Gärt. Ausg. A* 3:249-251. May 10, 1951. 58.8 T223
- Fertilizing.
- 74940 RENUIS, W. Gründüngung und zwischenfrucht. *Neue Mitt. f. die Landwirt.* 6:344. (Concl.) May 26, 1951. 18 N39
- 74941 RIGG, T., and CHITTENDEN, E. T. Classification of land in the Waimea County, Nelson, for flue-cured tobacco. *New Zeal. J. Sci. & Technol. A, Agr. Res. Sect.* 33(1):30-36. June 1951. 514 N48A
- 74942 ROJAS CRUZ, L. A. Nutrición vegetal, abonos y análisis de suelos. *Agr. Trop.* 7(5):39-41; (6):59-61. May-June 15, 1951. 26 Ag8
- 74943 ROWLETTE, M. Are you getting the best out of your pastures? *Beet Grower* 5:86-91. July 1951. 66.8 B392
- 74944 RYKAART, M. C. Kalahari's fifth column is on the march. *Veldtrust* 12(2):22-23, 25, 31. Feb. 1951. 56.8 V54
- Plowing grasslands for corn culture.
- 74945 SALA ROCA, E. Influencia de los abonos en la producción agrícola. *Balearic Isl. Diputación Prov. B. de Agr.* 75:14-15. Dec. 1950. 15 B19
- 74946 SANCHEZ BUEDO, E. Ensayo de sistematización de los fertilizantes que contienen nitrógeno. *Siembra [Madrid]* 7(4):5-10. Apr. 1951. 15 S11
- 74947 SANTOLALLA, N. R. Deberíamos iniciar en el Perú una campaña de investigaciones con abonos fosfatados. *Mensajero Agr.* 59/60:12-14. Mar./Apr. 1951. 9.8 M52
- 74948 SCHMITT, L. Zusammensetzung und Wirkung neuer phosphatdünger. *Neue Mitt. f. die Landwirt.* 6:429-431. (Concl.) June 30, 1951. 18 N39
- 74949 SCHOCH, Ertragssteigerung durch richtige anwendung der handelsdünger. *Württemb. Wchnbl. f. Landwirt.* 118:568. July 14, 1951. 18 W96
- Field crops.
- 74950 SCHRÖDER, H. Düngemittel auf der DLG-Ausstellung. *Landpost* 5(27):9. July 7, 1951. 18 L2348
- 74951 SEAMANS, H. L. What do we do now? *Agr. Inst. Rev.* 6(3):23-25. May 1951. 7 Ag8
- Effect of insecticide residues on soil fertility.
- 74952 SHANKS, J. B., and LINK, C. B. Poinsettia stock plants, some effects of the use of various fertilizers. *Florists' Rev.* 108(2803):15-16. Aug. 16, 1951. 80 W41
- 74953 SKINNER, S. O. Fertilizers—their profitable or wasteful use. *Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B.* 14:152-153. Apr. 1, 1951. 65.9 Q3C
- 74954 SKVORTSOV, A. F. System of soil management in orchards. (In Russian.) *Sad i Ogorod* 2:17-19. Feb. 1951. 80 Sa13
- Chiefly on effectiveness of fertilizers.
- 74955 SLADE, G. H. Organic manures for orchids. *Austral. Orchid Rev.* 16:24. Mar. 1951. 80 Au73
- 74956 SMITH, A. M. Cotton fertilizers and soil fertility. *Cotton Gin & Oil Mill Press* 52(15):17-18, 20. July 21, 1951. 304.8 C822
- 74957 SPENCER, E. L. Vegetable nutritional sprays. What may rightly be expected of them? *Fla. Grower* 59(8):4-5. Aug. 1951. 80 F6622
- 74958 SPRINGER, U. Praktische ergebnisse der humusforschung mit besonderer berücksichtigung der bedeutung des torfes für die humuswirtschaft. *Mitt. f. Moor- u. Torfwirt* 1(2):7-12. May 1951. *In Landwirt. Jahrb. f. Bayern* 28(3/4). Mar./Apr. 1951. 18 L24
- 74959 STENKHOFF, Düngungsfragen im lichte land-jähriger versuche. *Landwirt. Z. der Nord-Rheinprov.* 118:407-408. May 12, 1951. 18 L2344
- 74960 SÜAB, H. Handelsdünger und bodengare. *Pflug* 4:107-109. May 1951. 19 P48
- 74961 TAMMAN, A. I. Local [organic] fertilizers in oat culture. (In Russian.) *Sad i Ogorod* 3:71-74. Mar. 1951. 80 Sa13
- 74962 TREMBLAY, T. The bulb and the soil. *Nowest Bulb Growers Assoc. Proc. Bulb Growers Short Course* 3:13-15. 1950. 81 N818
- 74963 U. S. PRODUCTION AND MARKETING ADMIN. Mobilizing our land power. U. S. D. A. PA-176, 6 p.-folder. June 1951. 1 Ag84Pro
- Grasses and legumes in conservation farming.
- 74964 VIDAL MORA, J. M. El abonado del trigo. *Balearic Isl. Diputación Prov. B. de Agr.* 79:4-5. Apr. 1951. 15 B19
- 74965 VOLK, G. W., WILSON, J. H., and HAYNES, J. L. For treating seeds, farmers ask: what about liquid fertilizers? *Ohio Farm Bur. News* 30(10):16-17. May 1951. 6 Oh34
- Effects on growth and yield.
- 74966 WARE, L. M., and JOHNSON, W. A. Studies of organic materials for vegetable crops. *Ala. Agr. Expt. Sta. B.* 280,67 p. Ref. June 1951. 100 AL1S
- 74967 WESTBROOK, E. C. Pasture excitement is running high in Briar Creek. *Victory Farm Forum* 42:8. Aug. 1951. 281.8 F226
- Fertilizers.
- 74968 WHARTON, M., JR. Nitrogen fertilization of cotton. *Crop Comments* 4(7):2,7. May 1951. 57.8 C88
- 74969 WILLCOX, O. W. Nitrogen fertilizer, salt and British sugar beets. *Sugar* 46(8):30-32. Aug. 1951. 65.8 F11
- 74970 WILLIGEN, A. H. A. DE. Erhöhung der viskosität von kartoffelstärke durch phosphatdüngung. (Abs.) *Angew. Chem.* 63:314. July 7, 1951. 384 Z33
- 74971 WYCHE, R. H., and CHEANEY, R. L. The efficiency of fertilizer application on dry, wet and flooded soils as measured by rice yields. *Rice J.* 54(7):41. July 1951. 59.8 R36
- 74972 YORK, E. T., JR., and COLWELL, W. E. Soil properties, fertilization and maintenance of soil fertility. In *The peanut; a symposium*, p. 122-172. Ref. Washington, Natl. Fert. Assoc., 1951. 77 P313
- 74973 ZINK, F. W., and DAVIS, G. N. Nitrogen on cantaloupes; fertilization tends to increase fruit size and reduce culls, but does not affect mosaic infection and yield. *Calif. Agr. [Calif. Sta.]* 5(6):9. June 1951. 100 C12Cag
- 74974 ZURN, F. Versuche über praktische wiesendüngung. *Bundesanst. f. Alpine Landwirt. Veröffentl.* 4:69-87. Ref. 1951. 19 Ad6

Soil Tilth and Tillage

- 74975 BAKSHI, A. IA. Deep cultivation of soils in orchards by subsoil plowing. (In Russian.) *Sad i Ogorod* 2:20-22. Feb. 1951. 80 Sa13
- 74976 BUTLER, G. D. A fair deal for late fallow. *So. Austral. Dept. Agr. J.* 54:458-459. Apr. 1951. 23 So84
- 74977 CADOGAN, J. P. The advantages of autumn cultivation. *Beet Grower* 5:112-113. July 1951. 66.8 B392
- 74978 DICKEY, J. B. R. Stubble management. *Pa. Farmer* 145:38-39. July 28, 1951. 6 P383
- 74979 GILCH, Behandeln wir den boden richtig? XII. Neue wege der bodenbearbeitung. *Tech. f. Bauern u. Gärt. Ausg. A* 3:308-309. May 25, 1951. 58.8 T223
- 74980 GOLUBEV, V. D., and CHUMAKOV, N. P. Improving the method of rolling in planted rows. (In Russian.) *Sovet. Agron.* 9(4):67-72. Apr. 1951. 20 So84
- Experiments with millet.
- 74981 HALLE, J. Behandeln wir den boden richtig? XI. Der pflug—ein notbehelf! *Tech. f. Bauern u. Gärt. Ausg. A* 3:221-222. Apr. 25, 1951. 58.8 T223
- 74982 JAUREGUI, J. S. La acción del arado y conservación del suelo. *Guatemala. Inst. de Fomento de la Prod. P. Espec.* 2,14 p. Ref. Mar. 1951. 8 G937

74983 KNOBLICH-OLPE. Das Frühjahr 1951 im Sauerland. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A: 997-998. July 5, 1951. 18 L2346

Tillage.

74984 MCKNIGHT, D. Leveling the hills raises the standard of living. Land 10:186-188. Summer 1951. 279.8 L22

Contouring and soil conservation.

74985 MCVICKAR, G. E. Leaving crop residues greatly reduces soil and water losses. Crops & Soils 3(9):25. Aug./Sept. 1951. 6 W55

74986 MARTÍNEZ, M. B., and LUGO LOPEZ, M. A. Plans for research on the effect of subsoiling and subsoil fertilization on sugar cane fields. Sugar J. 14(3):36,39, 42,43. Aug. 1951. 65.8 Su391

74987 MIKHAILENKO, E. A. Comparative tests of rolling sugar beet plantings entirely and in rows. (In Russian.) Sovet. Agron. 9(4):73-78. Apr. 1951. 20 So84

74988 MOYER, J. What about mulch farming? Org. Gard. 19(2):24-25. Aug. 1951. 56.8 Or3

74989 PEREIRA, H. C. Subsoiling of coffee. Coffee Bd. Kenya. Mon. B. 16:66-67. Mar. 1951. 68.29 C652

74990 RAYNER, J. R. The need for winter fallows. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:146-148. May 1951. 23 T182T

74991 ROBERTS, A. N. Sawdust as a mulch and soil amendment for Rhododendrons and Azaleas. Amer. Rhododendron Soc. Q. B. 5:58-61. Apr. 16, 1951. 81 Am398

74992 ROUSEK, E. J. Pioneers without plows.

Krause Flying Plowman 5(3):4-5. Mar./Apr. 1951. 58.8 F67

Stubble mulching.

74993 SMITS, C. On the depth of plowing and the application of fertilizers. (In Dutch.) Nederland Heide-maatsch. Tijdschr. 62:174-178. June 1951. 12 N282

74994 STEVENS, H. N. Cultivating, mulching and watering. Amer. Rose Mag. 10(7):4-6. July/Aug. 1951. 80 Am327A

74995 WARD, R. L. Preparation of soil for cropping. So. Austral. Dept. Agr. J. 54:457,459. Apr. 1951. 23 So84

Drainage, Irrigation, Water Supply, and Flood Control

74996 ARCHIMOWITSCH, A. VON. En los regadíos de Castilla se puede producir patata de siembra. Agricultura [Madrid] 20:289-293. June 1951. 15 Ag84

74997 BAKSH, M. A. Flood control and training of rivers. Pakistan J. Forestry 1:104-110. Apr. 1951. 99.8 P17

74998 BALDASSINI, C., and GRAFFER, P. Overhead irrigation destined for increasing approval. (In Italian.) Italia Agr. 88:318-322. June 1951. 16 It1

74999 BALL, D. H. Within sight of water. Farmers Wk. [London] 35(2):59. July 13, 1951. 10 F2226

Irrigation in Britain.

75000 BAUER, F. Beobachtungen und versuche des Wasserwirtschaftsamtes Weissenburg. Landwirt. Jahrb. f. Bayern 28(3/4):9-33. Ref. Mar./Apr. 1951. 18 L24

75001 BAUER, F., and LUTZ, J. L. Vorgeschichte und Grundlagen der Arbeitgemeinschaft Untere Altmühl. Landwirt. Jahrb. f. Bayern 28(3/4):5-8. Mar./Apr. 1951. 18 L24

Drainage program.

75002 BINDER. Wasserbeschaffung für die Landwirtschaft: Wasser u. Boden 3:73-83. Apr. 1951. 56.8 W28

75003 BLANEY, H. F. Irrigation requirements of crops. (Provisional.) Washington? U. S. Soil Conserv. Serv., 1951. 15 p. Ref. 1.9 En34B

Prepared for a panel discussion at annual meeting of the American Society of Agricultural Engineers, Houston, June 20, 1951.

75004 BLOOM, A. Bad drainage means lost fertility. Nurseryman & Seedsman 112:1604-1605. May 24, 1951. 80 N933

75005 BORGAZZI, C. Distribution and use of public waters with particular regard to irrigation waters. (In Italian.) B. dell'Agr. 84(18):1. Sept. 22, 1950. 16 B87

75006 BRASHEARS, M. L. Ground-water situation in Japan. Supreme Commander Allied Powers. Nat. Resources Sect. Prelim. Study 51,40 p. Ref. May 1951. 280.9 Su72

75007 CARRANTE, V. Advantages and disadvantages of overhead irrigation in the South. (In Italian.) Terra e Sole 107:253-254,256. July 1951. 16 T273

Italy.

75008 CAVAZZA, L. Agriculture stems from the mountains. (In Italian.) Cron. Econ. 99:27-30. Mar. 1951. 280.8 C882

Problems of irrigation and reforestation in Italy.

75009 CHRISTOPHERSON, E. The big water gyp in Montana. Sat. Evening Post 224(8):38-39,46,48,50-51. Aug. 25, 1951. 110 Sa8

Irrigation program of the Bureau of Reclamation in Montana.

75010 CORFITZEN, W. E. Reclamation under the Marshall Plan in Italy. I. Reclam. Era 37:136-137,141-142. July 1951. 156.84 R24

75011 DENISOV, P. I. Advantages of the new irrigation system. (In Russian.) Les i Step' 2(11):55-63. Nov. 1950. 99.8 L565

75012 DOMINGUEZ GARCIA-TEJERO, F. Acequias de riego. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 15,12 p. Aug. 1950. 15 H68

Also in Badajoz. Diputación Prov. B. de Inform. Agr. y Ganad. 9(83):6-11. Jan. 1951. 15 B14

75013 DU SAUTOY, W. Swaziland irrigation scheme. Gt. Brit. Colon. Devlpmt. Corp. Colon. Devlpmt. 1(5):16-18. Spring 1951. 280.9 G7933C

75014 FASSETTA, L. Water resources of the coastal zones and possibilities of irrigation. (In Italian.) Agr. delle Venezie 5:201-205. Apr. 1951. 16 Ag826

75015 FIREMAN, M., CHANG, C. W., and HEALTON, L. W. Soils investigations on the Tucumcari, New Mexico, Irrigation Project. N. Mex. Agr. Expt. Sta. Press B. 1054,15 p. June 1951. 100 N465

75016 GAEL, A. G. Measures for reclamation of the Volga-Ural sands in connection with the construction of the Stalingrad hydroelectric station. (In Russian.) Lesn. Khoz. 4:28-35. Jan. 1951. 99.8 L5622

75017 GAYL, A. Grundsätze für die Bewässerung von Almweiden und Bergwiesen. Kärntner Bauer 101:365-366. July 1, 1951. 19 K14

75018 GOOR, G. A. W. VAN DE. Research on rice irrigation. Indonesia. Gen. Agr. Res. Sta. Contrib. 112, 34 p. Ref. Dec. 1950. 109.5 Ea73

75019 HALL, J. More water, grass, milk. Amer. Agr. 148:410-411. July 21, 1951. 6 Am3

Pasture irrigation.

75020 HENS, E. E. The North Nickerie Plan (Suri-name). (In Dutch.) Landbk. Tijdschr. 63:429-437. July 1951. 105.2 Or3

English summary.

Land reclamation.

75021 HERNÁNDEZ RAMOS, J. Las heredades de aguas de Gran Canaria. III. Su obra evolutiva. Agricultura [Madrid] 20:274-281. June 1951. 15 Ag84

75022 HILL, K. W. Effects of forty years of cropping under irrigation. Sci. Agr. 31:349-357. Aug. 1951. 7 Sci2

Includes fertilizer applications and crop rotation in Alberta, Canada.

75023 INDIA. CENTRAL BOARD OF IRRIGATION. Irrigation research in India. Ed. 2. India. Cent. Bd. Irrig. Pop. Ser. L. 2,20 p. 1951. 55.9 In222P

75024 INDIA. CENTRAL BOARD OF IRRIGATION. New projects for irrigation and power in India. Ed. 3. India. Cent. Bd. Irrig. Pop. Ser. L. 3,27 p. 1950. 55.9 In222P

75025 IRRIGATION; what it is, what it costs. Rur. Electr. News 16(11/12):9-11. June/July 1951. 173.2 R88Ru

75026 JENNESS, J. Midwest disaster vindicates Kansas, Missouri flood control program. Rur. Electr. 9(11):30-31,53. Aug. 1951. 335.8 N21

75027 JONES, D. R. Water. Fuchsia Fan 11(5):8-9. May 1951. 96.532 F952

75028 KALLBRUNNER, H. Wir müssen Wasser sparen! Pflug 4:131-132. June 1951. 19 P48

Austria.

75029 KAS'IAN, I. A. The Principal Turkmenian Canal and prospects for development of subtropical fruit crops. (In Russian.) Sad i Ogorod 1951:42-43. Jan. 1951. 80 Sa13

75030 KERR, H. A., and MARKWARDT, E. D. Higher-valued crops, increased production, prompt irrigation for "high-rainfall" areas. Co. Agent & Vo-Ag Teacher 7(7):18-20. July 1951. 275.28 N213

75031 KING, A. S. When and how to irrigate bulbs. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:44-46. 1950. 81 N818

75032 KNIEF, H. Meine Erfahrungen bei Oedlandkultivierungen. Neue Mitt. f. die Landwirt. 6:432-433. June 30, 1951. 18 N39

- 75033 KOVDA, V. A. New powerful development of irrigated districts of cotton culture in U.S.S.R. (In Russian.) *Les i Step'* 2(11):35-41. Nov.1950. 99.8 L565
- 75034 KOVDA, V. A., and LETUNOV, P. A. Structures of peace and communism. (In Russian.) *Akad. Nauk SSSR. Izv. Ser. Biol.* 2:8-20. Mar./Apr.1951. 511 Sa2B
Irrigation canals and hydro-electric stations.
- 75035 KRISTJANSON, K. Development of irrigated farms on the Mirage Flats Project. *Nebr. Agr. Expt. Sta. B.* 410,28 p. June 1951. 100 So82
U. S. Bureau of Agricultural Economics and South Dakota Agricultural Experiment Station cooperating.
- 75036 LABUSCHAGNE, A. 275,000 morgen from the sea. (In Afrikaans.) *Landbouweekblad* 33(1664):20-21. June 6,1951. 24 L232
Reclamation in the Netherlands.
- 75037 LEBEDEV, B. M. Designing irrigation equipment. (In Russian.) *Sel'khoz mashina* 2:16-18. Feb.1951. 58.8 Se42
- 75038 LENGLEBERT, J. La Hollande poursuit l'assèchement de nouveaux polders. *Rustica* 24:521. June 10,1951. 14 R92
- 75039 LESLIE, N. Dams pay off—in increased production on irrigated pasture and big savings in roughage and hay. *West. Dairy J.* 7(9):18-19. July 1951. 44.8 W524
Construction of dams for watering dairy cattle.
- 75040 LESTER, J. Look, no pumps—it's a dream system. *Mont. Farmer-Stockman* 38(20):12-13. June 15, 1951. 6 M764
Irrigation system.
- 75041 LLENA, J. J. Una planta industrial en nuestros futuros regadíos. Badajoz. Diputación Prov. B. de Inform. Agr. y Ganad. 9(85):8-11. (Cont.) Mar.1951. 15 B14
Cotton varieties and culture.
- 75042 LYON, A. V. Spray irrigation. *Citrus News* 27:71. May 1951. 80 C494
- 75043 MACCANTI, M. Irrigation of 30,000 hectares of the northern zone of the Ravenna plain and the reclamation project of Lake Comacchio with the raising of 96,000 hectares of water. (In Italian.) *Genio Rur.* 14:67-78. Jan./Feb.1951. 281.8 R522
- 75044 MARTIN LYNCH, A. Aplicación de la meteorología a la mejora de la técnica del riego. *Mensajero Agr.* 57/58:9-12. Jan./Feb.1951. 9.8 M52
- 75045 MEIER, R. H. Localización del agua subterránea—su sortilegio pasó a la historia. *Manabí, Ecuador. Consorcio de Cent. Agr. B.* 12(65):5-7. Jan./Mar. 1951. 9.5 M31
- 75046 MILLER, M. Short of water? *Calif. Citrog.* 36:416-417. Aug.1951. 80 C125
- 75047 MILLIMAN, T. E. Potato irrigation. *G. L. F. Week. Serv. Sched.* 16(6):3. Aug.6,1951. 280.28 G113W
- 75048 MONTANARI, V. More "on the irrigation of 30,000 hectares of the northern region of the Ravenna plateau." (In Italian.) *Genio Rur.* 14:330-334. May/June 1951. 281.8 R522
- 75049 NEBRASKA. DEPT. OF ROADS AND IRRIGATION. Twenty-eighth biennial report, 1949-50, v. 2. Lincoln,1950. 695 p. 290.9 N272
Report of the Bureau of Irrigation, Water Power and Drainage.
- 75050 PAGLIA, G. Piped irrigation. (In Italian.) *Genio Rur.* 14:33-38. Jan./Feb.1951. 281.8 R522
- 75051 PARISIO, A. More on the subject of irrigation water. (In Italian.) *B. dell'Agr.* 84(22):1. Nov.17,1950. 16 B87
Italy.
- 75052 PENNE, F., JR. Overhead irrigation in Puerto Rico. *Sugar J.* 14(3):26-27,74,79. Aug.1951. 65.8 Su391
- 75053 PETROCCHI, C. Reclamation in Ferrara from 1850 to today. (In Italian.) *Mondo Agr.* 2(18):4. May 6, 1951. 16 M74
- 75054 PETROV, T. K. The great structures of communism. (In Russian.) *Les i Step'* 2(11):10-15. Nov. 1950. 99.8 L565
Irrigation canals and hydroelectric stations.
- 75055 PICARD, A. J. La création des polders en Hollande. *Agr. Charentais* 6(12):3. (Cont.) June 30,1951. 14 Ag825
- 75056 PILLSBURY, A. F. District pipe systems; concrete irrigation systems compared in study of efficiency of open, closed, and semi-closed types. *Calif. Agr. [Calif. Sta.]* 5(6):7-8. June 1951. 100 C12Cag
- 75057 ROBINSON, E. L. Sixteen irrigation projects in Ceylon. *New Commonwealth* 22:124-125. Aug.1951. 280.8 C88
- 75058 ROGERS, R. O. Pasco's prosperity pattern. *Reclam. Era* 37:148-149. July 1951. 156.84 R24
Yield and value of crops from the irrigated acreage of the Pasco Pumping Area of the Columbia Basin Project, Washington.
- 75059 ROWE, J. Z. So you're going to drill a well? *N. Mex. Agr. Col. Ext. News* 31(5):7. May 1951. 275.29 N463Ex
Irrigation wells and the costs.
- 75060 SCHIAVETTI, V. Minor problems of irrigation on the Lombardy plateau. (In Italian.) *B. dell'Agr.* 84(24):1-2. Dec.15,1950. 16 B87
- 75061 SCHUBART, O., and RAWITSCHER, F. Notes on the movement of under ground water at Emas-Piras-sungua. (In Portuguese.) São Paulo. U. Facul. de Fil., Ciên. e Let. Bot. 8:69-74. 1950. 451 Sa63
English summary.
- 75062 SERPIERI, A. Reclamation societies. (In Italian.) *Mondo Agr.* 2(25):3. June 24,1951. 16 M74
Italy.
- 75063 SERS, J. Pour vos irrigations et arrosages de jardin, utilisez un petit moulin à vent. *Rustica* 24:475. May 27,1951. 14 R92
France.
- 75064 SHAROV, I. A. The greatest constructions of the Stalin Era. (In Russian.) *Les i Step'* 2(11):24-34. Nov.1950. 99.8 L565
Irrigation canals and hydroelectric stations.
- 75065 SMITH, D. M. Canals for Sacramento Valley; a demonstration of American democracy at work. *Reclam. Era* 37:138-139,151-152. July 1951. 156.84 R24
- 75066 SMITH, L. J. Rain or shine we irrigate our pastures. *Hoard's Dairyman* 96:604. Aug.10,1951. 44.8 H65
- 75067 SOVET MINISTROV SSSR. On the transition to a new system of irrigation for the purpose of a more complete utilization of the irrigated lands and improvement of mechanization of agricultural work. (In Russian.) *Les i Step'* 2(10):8-16. Oct.1950. 99.8 L565
- 75068 SPENCER, K. Tomato root distribution under furrow irrigation. *Austral. J. Agr. Res.* 2:118-125. Ref. Apr.1951. 23 Au783
- 75069 SPURLING, M. B. Furrow irrigation of citrus. *Grower [Adelaide]* 5(10):14-18. Apr.1951. 80 G912
- 75070 STATEN, G., PINGREY, H. B., and WILSON, M. Irrigated pastures in New Mexico. *N. Mex. Agr. Expt. Sta. B.* 362,28 p. July 1951. 100 N465
- 75071 STEELE, W. P. Permanent water supplies for Tanganyika Africans. *New Commonwealth* 22:126-128. Aug.1951. 280.8 C88
- 75072 TAMES ALARCÓN, C. Calculo del agua necesaria para el riego y empleo de aguas salinas. Spain. *Min. de Agr. Serv. de Capacitación y Propag. Monog.* 1, 152 p. 1950. 15 Sp14M
- 75073 THOMAS, H. E. The conservation of ground water; a survey of the present ground-water situation in the United States. New York, McGraw-Hill, 1951. 327 p. 292 T36
- 75074 THORNE, J. P., and THORNE, D. W. Irrigation waters of Utah. *Utah. Agr. Expt. Sta. B.* 346,64 p. June 1951. 100 U1
- 75075 TILESTON, F. M., and WOLFE, J. W. Irrigation requirements; estimates for Oregon. *Oreg. Agr. Expt. Sta. B.* 500,32 p. Ref. July 1951. 100 Or3
- 75076 UNITED NATIONS TECHNICAL CONFERENCE ON FLOOD CONTROL, NEW DELHI, 1951. Report by the Regional Technical Conference on Flood Control, 7 to 10 January 1951, New Delhi, India. New York, 1951. 43 p. (United Nations. [Document] E/CN. 11/264 (E/CN. 11/Flood/7) 290.9 Un34R
- 75077 U. S. BUR. OF RECLAMATION. Yakima Federal reclamation project. Washington, 1950? folder. 156.85 Y12
- 75078 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Some aspects of the reservoir inundation problem as seen by the Department of Agriculture. Washington, 1951. 6 p. 1.91 A2So52
- 75079 VALLEJO B., J. Irrigación. *Agr. Trop.* 7(5):44. May 15,1951. 26 Ag8
- 75080 VAN SCHILFGAARDE, J., FREVERT, R. K., and SCHLICK, W. J. Effect of present installation practices on drain tile loading. *Agr. Engin.* 32:371-374,378. July 1951. 58.8 Ag83
- 75081 VARONA, J. Instalaciones de riegos. *Ceres [Valladolid]* 16:22-23,25,27. June 1,1951. 15 C33
- 75082 VISSER, W. C. The management of Netherland's water resources. (In Dutch.) *Landbode* 5(27):1. July 7, 1951. 12 L234

- 75083 WARNER, R. B. Headwaters flood control. Va. Forests 6(3):6-7,10,12,14. May/June 1951. 99.8 V81
- 75084 WILM, H. G. Watershed management and flood control surveys. J. Forestry 49:511-513. Ref. July 1951. 99.8 F768
- 75085 XIMENEZ DE EMBUN Y GONZALEZ ARNAO, J. Defensa de margenes. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 21,12 p. Nov.1950. 15 H68
- Flood control measures.
- 75086 ZOBELL, H. D. Proper irrigation pays dividends. Sugar Beet 10(2):9. June 1951. 66.8 Su34B

Erosion and Erosion Control

- 75087 AHMAD, M. R. Obstacles in the way of regional catchment planning in the Punjab. Pakistan J. Forestry 1:111-118. Apr.1951. 99.8 P17
- 75088 BAKKER, A. J., and WIJK, C. L. VAN. Infiltration and runoff under various conditions on Java. Organ. Sci. Res. Indonesia. O. S. R. News 3:56-69. Ref. Apr. 1951. 330.9 Or3Ae
- 75089 BARBOSA, I. Settlement zones. (In Portuguese.) Agron. Angolana 4:113-119. 1950. 24 Ag83
- English summary.
- Soil erosion and conservation in Angola.
- 75090 BENNETT, H. H. Lasting conservation through education. Washington, U. S. Soil Conserv. Serv., 1951. 13 p. 1.96 Ad62
- Address at summer session of State Teachers' College, Fredonia, N. Y., July 19, 1951.
- 75091 BENNETT, H. H. Relation of soil erosion to coastal waters. Tex. J. Sci. 3:147-161. Ref. June 30, 1951. 470 T31
- 75092 BIRNBECK, S. Staubstürme im Dachauer Moos. Mitt. f. Moor- u. Torfwirt. 1(2):12-15. May 1951. In Landwirt. Jahrb. f. Bayern 28(3/4). Mar./Apr.1951. 18 L24
- 75093 BISSLAND, H. R. Conservation baffles erosion; cover crops improve and increase yields. Fla. Grower 59(8):18-19. Aug.1951. 80 F8622
- 75094 BRANDNER, E. L. El control de la erosión de la tierra en el medio oeste norteamericano. Uruguay. Inst. Nac. de Colon. B. 2(15,sup.):7-9. Apr.1951. 282.29 Ur8
- 75095 BUKSHYNOV, A. D. To mechanize the stabilization of sand dunes. (In Russian.) Les i Step' 2(11):66-72. Nov.1950. 99.8 L565
- 75096 BURVILL, G. H. Control of clearing in wheat-belt districts. J. Agr. West. Austral. (ser.2):27:352-356. Dec.1950. 23 W52J
- Soil erosion prevention.
- 75097 CHAVEZ VIAUD, M., and SANCHEZ, T. R. Pérdidas de suelo y agua. Cent. Nac. de Agron. C. Agr. 30,4 p. Jan.1951. 8 Sa54C
- 75098 CLARK, E. T. Role of minor demonstrations and plant hire in Keepit Catchment area. N. S. Wales. Soil Conserv. Serv. J. 7:91-96. Apr.1951. 56.9 N472
- 75099 CORREA, A. A. M. Soil conservation. I. Sowing on the contour or slope to control erosion. (In Portuguese.) Seleç. Agr. 6(62):41-44. June 1951. 9.2 Se4
- 75100 COTTON, C. A. Redeposition theory of sedimentation. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32:19-25. Ref. Mar.1951. 514 N48B
- 75101 CURTIS, J. D., and PACKER, P. E. The ranch that blocked a highway. Land 10:171-176. Summer 1951. 279.8 L22
- Flood damage following erosion of burned soil.
- 75102 EMERSON, A. W. How soil conservation pays off in pipe line maintenance. (Extr.) Gas Age 108:26-28, 50-56. July 5, 1951. 401.8 G21
- 75103 ESHBAUGH, F. P. Trailing raspberries will stop erosion. Org. Farmer 3:46-48. Aug.1951. 57.8 Or3
- 75104 FARIS, P. O. Soil conservation takes root around the world. Crops & Soils 3(9):12-15. Aug./Sept. 1951. 6 W55
- 75105 FEDOTOV, I. D. Two years of work on the Stalin Plan to change nature. (In Russian.) Les i Step' 2(10):78-80. Oct.1950. 99.8 L565
- 75106 GERLACH, H. Die winderosion bei Joldelund, Kr. Husum. Unser Wald 3(6):7. June 1950. 99.8 Un7
- 75107 HAAN, J. H. DE. The economic and social aspect of erosion control. Organ. Sci. Res. Indonesia. O. S. R. News 3:69-72. Apr.1951. 330.9 Or3Ae
- 75108 HALL, L. The land—a living community. Land 10:189-192. Summer 1951. 279.8 L22
- Soil conservation.
- 75109 HUITEMA, H. The Timor problem. (In Dutch.) Hemera Zoa 58:74-87. Jan./Feb.1951. 41.8 V51
- English summary.
- Soil erosion, soil conservation, and agriculture.
- 75110 JOHNSON, L. E. Baffles against blowout. Land 10:195-196. Summer 1951. 279.8 L22
- Wind erosion control.
- 75111 KELAREV, M. P. Restoration of soil which suffered from erosion [in vineyards of Abrau-Diurso Sovkhoz]. (In Russian.) Vinodel. i Vinograd. SSSR. 10(11):51-52. Nov.1950. 95.8 V77
- 75112 KING, B. The Jones farm rebuilt with fescue. South. Seedsman 14(8):19,46,50. Aug.1951. 61.8 So8
- 75113 KIRWALD. Kampf gegen bodenzerstörungen und deren heilung. Unser Wald 4(3):6-8. Mar.1951. 99.8 Un7
- 75114 LEIBIG. Die begrünung der verlegten Emscher. Unser Wald 3(7):5. July 1950. 99.8 Un7
- 75115 MCCAFFREY, L. A. H. Investigations within Burrendong Catchment area. N. W. Wales. Soil Conserv. Serv. J. 7:97-106. Apr.1951. 56.9 N472
- 75116 MCMAHON, C. G. Grazing lands of the Goulburn district—erosion and soil conservation. N. S. Wales. Soil Conserv. Serv. J. 7:112-118. Apr.1951. 56.9 N472
- 75117 MACY, E. B. Wind erosion field studies yield more facts. Crops & Soils 3(9):22-24. Aug./Sept.1951. 6 W55
- 75118 MARYLAND. STATE SOIL CONSERVATION COMMITTEE. Safeguarding our soil and water resources, 1937-1951, a report. College Park, Md., 1951. 20 p. 56.9 M36Sa
- 75119 MEADER, J. L. Soil conservation is a matter of crucial international concern. Soil Sci. Soc. Philippines. J. 3:79-81. Second Q.1951. 56.9 So35
- 75120 MILLS, H. Water—master or servant? Wis. Conserv. B. 16(7):18-20. July 1951. 279.8 W752
- Soil conservation and reforestation on slopes.
- 75121 NEWCOMBE, C. L. Silt takes over. Land 10:177-180. Summer 1951. 279.8 L22
- Erosion in watercourses.
- 75122 NICHOLAS, H. T. Bodangora soil conservation demonstration. N. S. Wales. Soil Conserv. Serv. J. 7:75-79. Apr.1951. 56.9 N472
- 75123 NIENDORF, D. W., and ZEASMAN, O. R. A homemade rain gauge. Wis. Agr. Col. Ext. C. 395,4 p. Apr.1951. 275.29 W75C
- In soil conservation.
- 75124 OEHLER, T. Niederschlag, versicherung und abfluss auf kulturland. Wasser u. Boden 3:58-61. Mar. 1951. 56.8 W28
- Germany.
- 75125 ORR, R. E. The control of erosion in N. S. W. N. S. Wales. Soil Conserv. Serv. J. 7:80-90. Apr.1951. 56.9 N472
- 75126 PANTIKOV, P. P. The steppes of the Kuban Area are being transformed. (In Russian.) Les i Step' 2(10):17-21. Oct.1950. 99.8 L565
- Stalin Plan to change nature.
- 75127 PATEL, A. U. Tree planting and its relation with soil conservation. Bansilal Amritlal Agr. Col. Mag. 4:27. Sept.1950. 22 B22
- 75128 PEWE, T. L. An observation on wind-blown silt. J. Geol. 59:399-401. Ref. July 1951. 403 J82
- 75129 PROTT, H. Bodenerosion im Sauerland und massnahmen zu ihrer bekämpfung. Unser Wald 4(4):3-4. Apr.1951. 99.8 Un7
- 75130 RAABE, E. W. Kahlschläge wirken sich aus. Unser Wald 3(6):6-7. June 1950. 99.8 Un7
- Germany.
- 75131 RESOURCE-USE EDUCATION WORKSHOP, ALABAMA POLYTECHNIC INSTITUTE, AUBURN, 1947. Let's save soil with Sam and Sue. Washington, U. S. Soil Conserv. Serv., 1951. 28 p. 1.6 So3Le
- 75132 ROBERTSON, T. C. South Africa, after flying start, lags in race to save the soil. Veldtrust 12(3):16-18. Mar.1951. 56.8 V54
- 75133 ROTH, B. A. Soil Conservation Service can quickly measure land by weighing maps. Co. Agent & Vo-Ag Teacher 7(7):14-15. July 1951. 275.28 N213
- 75134 SARDON, A. DE J. Planting on the contour or slope in the control of erosion. (In Portuguese.) Agr. e Pecuaria 22(331):36,38-40. Apr.1951. 9.2 Ag89
- 75135 SARGENT, J. W. The march of progress in soil conservation. Better Crops Plant Food 35(6):6-8, 38. June/July 1951. 6 B46

- 75136 SIMS, A. J. All agencies get together in Tennessee. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(8): 19. Aug. 1951. 6 P945K
Agricultural agencies join forces in a closely coordinated plan for soil and water conservation.
- 75137 SKRIPKA, P. A., and BEREZOVSKIĬ, G. A. Stabilization of Aleshkov sandy soils. (In Russian.) Les i Step' 2(10):27-39. Oct. 1950. 99.8 L565
Chiefly by afforestation.
- 75138 STEVENS, C. S. The silt load of Texas streams. Tex. J. Sci. 3:162-172. June 30, 1951. 470 T31
- 75139 SUAREZ DE CASTRO, F. Influencia de la erosión sobre la productividad de los terrenos. Agr. Trop. 7(5):42-43. May 15, 1951. 26 Ag8
- 75140 SUAREZ DE CASTRO, F. Investigaciones en conservación de suelos. Agr. Trop. 6(9):51-55. Sept. 1950. 26 Ag8
- 75141 SUAREZ DE CASTRO, F. Relaciones entre la cubierta vegetal y la erosión. Agr. Trop. 6(11):33-35. Nov. 1950. 26 Ag8
- 75142 TEWKSBURY, A. R. Management and land use in relation to erosion control. N. S. Wales. Soil Conserv. Serv. J. 7:107-111. Apr. 1951. 56.9 N472
- 75143 U. S. SOIL CONSERVATION SERV. May we present [the U. S. Soil Conservation Service]. Washington, 1951. 4 p. 1.6 So3Ma
- 75144 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Holding profits on Jones Creek [Iowa]. Milwaukee, 1951. 13 p. 1.9605 H71
Soil and water conservation under the watershed program.
- 75145 WARN, G. F., and COX, W. H. A sedimentary study of dust storms in the vicinity of Lubbock, Texas. Amer. J. Sci. 249:553-568. Ref. Aug. 1951. 470 Am34
- 75146 WEAVER, F. U. New crops to conserve soil. Ala. Rur. Elect. News 4(6):6. June 1951. 335.8 AL1

Sanitation

- 75147 BITEAU, L., and DALLEINNE, E. Stérilisation des sols chez les maraîchers nantais. France. Min. de l'Agr. B. Tech. d'Inform. 59:321-326. May 1951. 14 F844B
- 75148 CHARD, A., and GEORGE, L. Soil sterilization and disinfection. African Violet Mag. 4(4):36-37. June 1951. 80 Af8
- 75149 CICCARONE, A. Soil fumigation. (In Italian.) Italia Agr. 88:329-340. Ref. June 1951. 16 It1
- 75150 JOHNSTON, H. W. An improved method for the control of electric autoclaves. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32:16-18. Mar. 1951. 514 N48B
Use in soil sterilization experiments.
- 75151 NEWHALL, A. G., and SCHROEDER, W. T. A new soil pasteurizer. Co. Agent & Vo-Ag Teacher 7(3): 13,33. Mar. 1951. 275.28 N213
- 75152 NEWHALL, A. G. Soil sterilizing flame. Canad. Florist 46(8):17. Apr. 28, 1951. 80 C163
- 75153 TURNER, M. Some exploratory methods in soil fumigation. Calif. Fig Inst. Proc. Annu. Res. Conf. 5:54-55. Mar. 16, 1951. 93.44 C122P
- 75154 WATSON, R. D. Method for use of soil fumigants to control root rot and seed decay in peas and beans. Plant Dis. Rptr. 35:324-325. July 15, 1951. 1.9 P69P

MATERIALS FOR SOIL IMPROVEMENT

- 75155 CAPSTICK, M. Organic or inorganic manures? Brit. Goat Soc. Mon. J. 44:115-116. July 1951. 40.19 B77M
- 75156 FUSSELL, G. E. In praise of bones. Fert. Feed. Stuffs & Farm Supplies J. 37:489,491-492. Aug. 8, 1951. 57.8 F413
- 75157 HOPKINS, D. P. Salt as a fertilizer. World Crops 3:311-313. Aug. 1951. 281.8 W892
- 75158 KRAUSE, A. Catalytic properties of chemical fertilizers. (Abs.) Akad. Umiej. Wyd. Mat.-Przyrodniczy. Compt. Rend. 1950(4/5):20-21. Apr./May 1950. 512 K85C
- 75159 MCCULLOUGH, G. W., PERRY, C. W., and OGILVIE, R. S. Fertilizer from petroleum. Petrol. Proc. 6:380-387. Apr. 1951. 307.8 P442
- 75160 MISUMI, K., HARA, I., and MORI, T. Disinfection of imported bone meal and the changes of plant food elements by such disinfection. (In Japanese.) Jap. J. Plant Protect. 23:35-37. May 1951. 421 J27
- 75161 SODIUM as a fertilizer. Co. Agent & Vo-Ag Teacher 7(3):9-12. Mar. 1951. 275.28 N213

- 75162 TOKARSKI, J. Thermal transformation of volcanic tuff into potassium manure. (Abs.) Akad. Umiej. Wyd. Mat.-Przyrodniczy. Compt. Rend. 1950(4/5):9-10. Apr./May 1950. 512 K85C
- 75163 VINE, R. Phosphatic fertilizer without sulphur; possibilities for New Zealand. New Zeal. Farmer 72(9):6. June 21, 1951. 23 N484
- 75164 ZABIEZO M., S. Abonos orgánicos y abonos químicos. Crédito Rur. (ser.2)11:31-33. June 1951. 284.28 C863

Primary Materials

- 75165 ANDREWS, W. B., NEELY, J. A., and EDWARDS, F. E. Anhydrous ammonia as a source of nitrogen. Miss. Agr. Expt. Sta. B. 482,39 p. Apr. 1951. 100 M69
- 75166 BROGGI, E. Chemical fertilizers are powerful means of production. (In Italian.) Campagna Milan. 1950(19):1. Oct. 15, 1950. 16 C153
- 75167 ERIKSSON, E. Montansalt-peter—a good substitute for lime salt-peter. (In Swedish.) Labor [Helsingfors] 35(2):11-12. Mar. 5, 1951. 20 L11
- 75168 GRAY, G. P. Nitrogenous fertilizers. West. Fruit Grower 5(8):29-30. Aug. 1951. 95.8 G762
- 75169 HAARER, A. E. Potash, an elixir of life. Fruit & Prod. 5(10):16-17. Mar. 1951. 80 F9427
- 75170 HOPKINS, D. P. Where do our fertilizers come from? 1. The nitrogenous group. Smallholder 85(2147): 14-15. July 13, 1951. 10 Sm1
- 75171 LEROUX, D. Engrais, amendements, produits pour la protection des cultures; étude et analyse. Paris, Gauthier-Villars, 1951. 387 p. 57 L562
- 75172 MANON, G. Un nouvel engrais: l'urée. Réveil Agr. 60:98. Apr. 1, 1951. 14 R322
- 75173 MARCHESI SOCIATES, J. M. Los abonos sintéticos modernos. Siembra [La Paz] 7(5):13-15. May 1951. 9.1 Si1
- 75174 MELLO, E. M. DE. Phosphate fertilizers. (In Portuguese.) Lav. Arroz. 5(50):26. Feb. 1951. 59.8 L39
- 75175 ROZHDESTVENSKIĬ, I. G. The significance of the kinds of potassium fertilizer in the increase and the quality of sugar beet seeds. (In Russian.) Selekt. i Semenovod. 1951:64-69. Jan. 1951. 61.9 Se5

Secondary and Minor Element Materials

- 75176 BATTELLE MEMORIAL INSTITUTE. Copper—plant food element. New Agr. 33(9):8. June 1951. 66.8 Su32
- 75177 HAUN, T. H. Sea vegetation, a source of natural trace minerals. A medical view of agriculture. II-III. New Agr. 33(9):12-13; (10):12-13. June-July 1951. 66.8 Su32
- 75178 LOVERING, F. W. Fertilizer, food, medicine in Florida seaweeds. Fla. Grower 59(7):10,14. July 1951. 80 F6622
- 75179 WOLF, B. Neglected plant-food elements. Better Crops Plant Food 35(6):9-16,36-37. June/July 1951. 6 B46

Mixed Fertilizers and Fertilizer Technology

- 75180 AGUIRRE ANDRES, J. Las etiquetas de los abonos. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 16,8 p. Sept. 1950. 15 H68
- 75181 BASTONI, G. Economic valuation of fertilizers. (In Italian.) Seme 2:131-132. June 1950. 16 Se5
- 75182 CALIFORNIA. DEPT. OF AGRICULTURE. BUR. OF CHEMISTRY. Fertilizing materials, 1950. Calif. Dept. Agr. Spec. P. 239,178 p. 1951. 2 C121S
Analyses.
- 75183 GEORGIA. DEPT. OF AGRICULTURE. Commercial fertilizers inspected and analyzed in the State of Georgia years 1949 and 1950. Ga. Dept. Agr. B. 134/135, 136 p. Jan. 1951. 2 G29B
- 75184 LONGWELL, J. H., and others. Fertilizer inspection and analysis; spring, 1950. Mo. Agr. Expt. Sta. B. 551,60 p. Mar. 1951. 100 M693
- R. C. Prewitt, C. W. Gehrke, and E. W. Cowan, joint authors.
- 75185 PITSCHMANN. Rechnende Nitrophoskaner! Hannoversche Land- u. Forstwirtschaft. Ztg. 103:1140-1141. Dec. 16, 1950. 18 H194
Mixed fertilizers.

Fertilizer Statistics

- 75186 BLACK, D. This decision is "plain daft." Farmer & Stock-Breeder 65(3219):45. July 3, 1951. 10 F228
- Fertilizer price increase in Great Britain.
- 75187 BRANNAN, C. F. Fertilizer production a must for peaceful world. Agr. Chem. 6(8):31-33, 63. Aug. 1951. 381 Ag8
- 75188 BRANNAN, C. F. The plant food industry and national defense. Washington, U. S. D. A., Off. Sec., 1951. 12 p. 1.91 A2B73
- Talk at convention of American Plant Food Council, Hot Springs, Va., June 16, 1951.
- Similar title in Plant Food J. 5:2-3, 14-16. Apr./June 1951. 57.8 P692
- 75189 HILL, H. E. Fertiliser registrations, 1950-51. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:109-111. Feb. 1, 1951. 23 T182T
- 75190 HOPKINS, D. P. Two years of shortage of phosphatic fertilizers. 2. Smallholder 85(2148):15. July 20, 1951. 10 Sml
- 75191 IBACH, D. B., and MARX, R. E. Fertilizer and lime used on crops and pasture, 1947. U. S. Bur. Agr. Econ. FM-86, 31 p. June 1951. 1.941 L6F22
- 75192 PUENTE, G. DE LA. 737 millones de pesetas invertidos en 1950 en las importaciones de abonos. Rev. Sind. de Estadfs. 6(21):26-32. First Q. 1951. 263 Es8B Spain.
- 75193 RAGAZZI, G. On the use of fertilizers in the Province. (In Italian.) Agr. Ferrarese 54:174-175. Aug. 31, 1950. 16 Ag87
- Statistics.
- 75194 SANDERS, P. D., and others. Fertilizer's contribution to better living. Amer. Plant Food Council. J. 5:8-11, 41-48. Apr./June 1951. 57.8 P692
- F. Deering, R. F. Poole, E. Bay, R. A. Wall, and P. Alampi, joint authors.
- 75195 SANTOLALLA, N. R. La busqueda de importantes yacimientos potásicos en el Perú. Mensajero Agr. 57/58:17. Jan./Feb. 1951. 9.8 M52
- 75196 TAYLOR, G. V. Corn—a potential user of fertilizer. Agr. Chem. 6(8):42-44, 99. Aug. 1951. 381 Ag8
- 75197 TAYLOR, G. V. Development of the fertilizer industry in the West South Central States. Fert. Rev. 26(3):6-10. July/Sept. 1951. 57.8 F414
- 75198 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR ASIA AND THE FAR EAST. COMMITTEE ON INDUSTRY AND TRADE. Report on the economic and social aspects of production and utilization of fertilizers in the ECAFE region. New York, 1950. 208 p. (United Nations [Document] E/CN. 11/I&T/33) 57 Un392

Mineral Soil Amendments

- 75199 EYSTER, W. H. Glauconite fertilizers, a must for 1951. Gard. Club N. J. News Leaf 12(2):9. July/Aug. 1951. 90.32 G1623
- 75200 HANLEY, F. Economics of factory carbonate of lime. Brit. Sugar Beet Rev. 19:145-147. June 1951. 66.8 B77
- Used as fertilizer.

Manures and Composts

- 75201 ALLUE MORER, A. Los abonos y materias fertilizantes: el estiércol. Ceres [Valladolid] 16:6-7. June 1, 1951. 15 C33
- 75202 COLAMARIA, F. Compost. (In Italian.) Agr. Ferrarese 54:250-251. Nov. 30, 1950. 16 Ag87
- Preparation.
- 75203 CUMMINGS, M. B. Carnations—indoors and out; as an extra-special fertilizer, animal tankage is suggested. Org. Gard. 19(2):26-27. Aug. 1951. 56.8 Or3
- 75204 ENGELHARD, J. Faut-il sortir le fumier ou le laisser sous les animaux? Paysan Franç. 27(403):9-10. July 1951. 14 P29
- Deep litter.
- 75205 GRAFFIN, J. C. Garbage into fertilizer; how Santa Ana, El Salvador, solves its garbage problem. Amer. City 66(8):98-99. Aug. 1951. 98.58 Am31
- 75206 JONES, D. L. Barnyard manure and cotton burs as a dryland fertilizer for cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1379, 4 p. June 13, 1951. 100 T31P
- 75207 KORTLEVEN, J. Stabiele humus en de interprovinciale calha-humusproeven 1943-1947. Stable humus and the field-trials with synthetic stable humus in the Netherlands, 1943-1947. Netherlands. Dir. van de Landb. Verslagen van Landbk. Onderzoek. 56(12), 44p. 1950. 105.2 V61V
- English summary.

75208 KREUZ, A. Die bewirtschaftung und Reinhaltung unserer gewässer. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1027-1028. (Concl.) July 12, 1951. 18 L2346

- Installment deals with sewage as fertilizer.
- 75209 PAPANOS, S., and BROWN, B. A. Poultry manure: its nature, care and use. Conn. (Storrs) Agr. Expt. Sta. B. 272, 51 p. Ref. Dec. 1950. 100 C76S
- 75210 SARTORI, G. Manure. (In Italian.) Seme 2: 256-257. Nov. 1950. 16 Se5
- 75211 SHANKAR, T. R. Wealth from waste; there is money in night soil. Agr. Econ. 2(6):12-13, 30. Feb./Mar. 1951. 281.8 Ag832
- 75212 SLAVIK, W. The strange waste of our sewage. Org. Farmer 3:53-56. Aug. 1951. 57.8 Or3
- 75213 SMITH, G. Compost or conditions? Austral. Orchid Rev. 16:14. Mar. 1951. 80 Au73

FORESTRYGENERAL

- 75214 ACH, E. K. Conservation and wood procurement. Unit 37:20-22. June 1951. 99.9 Un34
- 75215 BEHM, H. W. Wälder wachsen auf eiszeitböden III. Unser Wald 3(11):16-17. Nov. 1950. 99.8 Un7
- 75216 BELTRAM, V. Formation du cadre forestier secondaire. (In Croatian.) Gozdarski Vest. 9:75-80. 1951. 99.8 G74
- French summary.
- 75217 BORATH, R. Wald, bergbau und industrie. Unser Wald 3(8):1-3. Aug. 1950. 99.8 Un7
- 75218 BOROVOI, V. IA., and MOLCHANOV, A. A. Development of forestry in Rumanian People's Republic. (In Russian.) Lesn. Khoz. 4(2):92-94. Feb. 1951. 99.8 L5622
- 75219 BRUCE, C. A. Wood—its importance in re-mobilization program. Amer. Lumberman & Bldg. Prod. Merchandiser 3471:98, 100. Aug. 11, 1951. 99.81 Am3
- 75220 BURCKHARDT, H. Der wald hat allen grund zur klage. Unser Wald 4(2):14-15. Feb. 1951. 99.8 Un7
- 75221 CHAMPION, H. G. The silver jubilee of the Imperial Forestry Institute. J. Forestry 49:485-486. July 1951. 99.8 F768
- 75222 CLARK, W. F. Practical conservation on the Arnot Forest. Cornell Plantations 7:41-44. Spring 1951. 409.6 C812
- 75223 DAPROZA, J. New horizons in Philippine forestry. Forestry Leaves 4(4):12-13. 1951. 99.8 P532
- 75224 DECKER, K. Conservation of forest resources. Calif. U. Bur. Pub. Admin. Leg. Prob. 9, 30 p. Ref. June 1951. 280 C1222
- 75225 DRESSEL, K. The origin of the Michigan Forestry and Park Association. Mich. Forestry and Park Assoc. Annu. Mtg. 25:1. Feb. 1951. 99.9 M586
- 75226 FORBES, R. D. Forestry comes to an ancient wood. Pa. Forests 36:42-44. Spring 1951. 99.8 F763
- The Tyler Arboretum, near Lima, Pa.
- 75227 FRANKENFIELD, C. L. Early days of the Michigan Forestry and Park Association. Mich. Forestry and Park Assoc. Annu. Mtg. 25:6-8. Feb. 1951. 99.9 M586
- 75228 GAALAAS, H. Forestry and forest industry. (In Norwegian.) Skogbrukeren 26:148-149. June 1, 1951. 99.8 Sk54
- 75229 GOTHE, G. Forstortsnamen und waldgeschichte. Allg. Forstz. 6:301-302. July 25, 1951. 99.8 AL52
- 75230 HOUTZAGERS, G. Forestry and forestry research in the United States of America. VII. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 62:162-167. June 1951. 12 N282
- 75231 HUIZAR MORAN, G. Mensaje a la niñez. Mensajero Forest. 9(81):5, 20. Mar./Apr. 1951. 99.8 M522
- Forest conservation.
- 75232 IURLOV, M. I. Competitive examination of trade union of workers in forestry and lumber floating. (In Russian.) Lesn. Khoz. 4(2):5-8. Feb. 1951. 99.8 L5622
- 75233 IVASHECHKIN, M. A. Toward a higher level of Party work among the masses of mechanics in forest conservation stations. (In Russian.) Les i Step' 2(11):94-99. Nov. 1950. 99.8 L565
- Political education.
- 75234 KIENHOLZ, R. Some needs of forestry. Conn. Woodlands 16:23-24. June 1951. 99.8 C76

- 75235 KILCHENMANN, H. R. Bisherige bestrebungen zur verbesserung der grundlagen für die entlöhnung der holzhauer. Wald u. Holz 32:110-114. (Cont.) Feb.1951. 99.8 W14
Switzerland.
- 75236 KOHLER, A. A. Zur entwicklungsgeschichte des waldes. Unser Wald 3(11):12-13. Nov.1950. 99.8 Un7
- 75237 KRÄMER, W. Der wald als bewahrer vor- und frühgeschichtlicher bodendenkmäler. Allg. Forstz. 6:297-299. July 25,1951. 99.8 AL52
Germany.
- 75238 KUMMER, G. Quellen zur forstgeschichte des Kantons Schaffhausen, 2/3. Natforsch. Gesell. Schaffhausen. Mitt. 23:175-272. 1950. 508 Sch1
- 75239 LANG, F. H. Your stake in conservation. Unit 37:4-9. June 1951. 99.9 Un34
- 75240 LOE, W. FREIHERR VON. Die lage der rheinischen forstwirtschaft. Landwirt. Z. der Nord-Rheinprov. 118:457. May 26,1951. 18 L2344
- 75241 LUCCHESI, E. St. John Gualberto, protector of Italian foresters. (In Italian.) Italia Forest. e Mont. 6:49-51. Mar./Apr. 99.8 It12
English summary.
- 75242 MADING. Wald und flur. Unser Wald 3(6):5. June 1950. 99.8 Un7
Germany.
- 75243 MICHIGAN FORESTRY AND PARK ASSOCIATION. 25th annual meeting, February 1951, Union Building, Michigan State College, East Lansing. n.p.,1951. 22 p. 99.9 M586
- 75244 MORELLI, A. National Congress of Poplar Culture. (In Italian.) Agr. delle Venezie 5:366-371. July 1951. 16 Ag826
- 75245 MOURGUES, G. Le nomadisme et le déboisement dans les régions sahéliennes de l'Afrique Occidentale Française. Conf. Internat. des Africanistes de l'Quest. Compt. Rend. 1(1):139-167. 1945, pub.1950. 515 C762C
- 75246 NAVARRO C., O. El arbol y el hombre. Agrario 15(422):22-23. Mar.1951. 9.3 Ag85
- 75247 OBERSTE-BRINK. Ruhrbergbau und die erhaltung der landschaft. Unser Wald 3(11):3-5. Nov.1950. 99.8 Un7
- 75248 OTTE. Kulturstückelöhne und lohntarifvereinbarung 1950. Forst u. Holz 6:42. Feb.1,1951. 99.8 F7724
- 75249 OXFORD. UNIVERSITY. IMPERIAL FORESTRY INSTITUTE. Opening of the new building, by H. R. H. the Princess Margaret. Oxford, 1950. 30 p. 99.9 Ox230
- 75250 ROLSTED, M. The old foresters and a little about their work. (In Norwegian.) Skogbrukeren 26:173-176,178. June 1,1951. 99.8 Sk54
- 75251 SAMULENKO, V., and SHUTSKII, G. 40 years of work in forestry. (In Russian.) Lesn. Khoz. 4(3):96. Mar.1951. 99.8 L5622
Vladimir Ivanovich Bublikov.
- 75252 SCHULER, H. Der wald als hütter unserer bodendenkmäler. Unser Wald 4(1):12-13. Jan.1951. 99.8 Un7
- 75253 SEPEROVICH, I. Economic effectiveness of the State shelterbelt Voronezh-Rostov on the Don River banks. (In Russian.) Lesn. Khoz. 4(3):85-91. Mar.1951. 99.8 L5622
- 75254 SHERRILL, J. H. What conservation can do for you. Unit 37:10-13. June 1951. 99.9 Un34
- 75255 STAKHEIKO, F. G. Forester-innovator. (In Russian.) Lesn. Khoz. 4(3):95. Mar.1951. 99.8 L5622
Vasilii Safronovich Lipkovskii.
- 75256 U. S. FOREST SERV. Highlights in the history of forest conservation. Washington? 1951? 14 p. 1.962 A2H53
- 75257 U. S. FOREST SERV. Living and forest lands; a guide for study groups especially interested in the social and economic aspects of forests and forestry. U. S. D. A. Misc. P. 388, slightly rev., 45 p. 1951? 1 Ag84M
- 75258 WORK, H. Progress of private forestry. III. Grow trees and use them (1939-). Forest Farmer 10(9): 3,12. June 1951. 99.8 F7692

Education

- 75259 BUDDE, H. Wald im unterricht—unterricht im walde. Unser Wald 4(1):15-16;(2)16;(4):8. Jan.-Feb. Apr. 1951. 99.8 Un7
- 75260 EVANS, E. F. Forestry principles for elementary schools. Tex. Forest Serv. B. 43, 16 p. Ref. Apr. 1951. 99.9 T31

- 75261 EVANS, E. F. Forestry principles for secondary schools. Tex. Forest Serv. B. 44, 15 p. Ref. Apr. 1951. 99.9 T31
- 75262 FASTRUP, J. Plantelaere til brug ved undervisningen for skovfogedelever [Botany to be used in the instruction of assistant forest rangers]. Viborg, 1950? 50 p. 463 F26
- 75263 FILIPPOV, S. P. Forest patrol [I. I. Virsalu]—bolshhevik organizer and teacher [of forestry workers]. (In Russian.) Lesn. Khoz. 4(2):80. Feb.1951. 99.8 L5622
- 75264 HOEFER, O. Die zweijährige forstschulzeit. Deut. Forstmann, p.33-34. In Forst u. Holz 6(8). Apr. 15,1951. 99.8 F7724
- 75265 KRUGLOV, V. E. For dissemination and introduction of achievements of science and practice. (In Russian.) Lesn. Khoz. 4(2):9-12. Feb.1951. 99.8 L5622
Education of forestry workers.
- 75266 LEDWIG, V. Vom schulwäldchen zur waldschule. Unser Wald 3(12):12-13. Dec.1950. 99.8 Un7
- 75267 MARYLAND. UNIVERSITY. COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Trees of Maryland. 4-H Club tree identification project, by H. W. Dengler. College Park, 1950? 3 p. 275.2 M36Tre
- 75268 PARENTE, E. Need for effective teaching of silviculture in technical agricultural institutes. (In Italian.) Foreste 3:11-13. Feb.1951. 99.8 F7694
- 75269 POLUEKTOV, G. N. Training [specialists in lumbering] in technical schools should be closely related to production. (In Russian.) Lesn. Promysh. 10(12):25-26. Dec.1950. 99.82 L56
- 75270 SAMPSON, A. W. Range management education J. Forestry 49:507-510. Ref. July 1951. 99.8 F768
- 75271 SCHLEICHER. Wald auf rädern; neueröffnung der eisenbahn-wanderausstellung "Der Wald—Unser Schicksal." Unser Wald 3(8):4-5. Aug.1950. 99.8 Un7
- 75272 SCHULZE. Die forstbaumschule August Lüdemann in Frankfurt-Niederrad. Forstl. Mitt. 4:12-13. Jan.20,1951. 99.8 F7725
- 75273 STEWART, D. Canada's biggest school room. Forest & Outdoors 47(8):6-7. Aug.1951. 99.8 C16
Forestry education at the University of British Columbia.
- 75274 TAMESIS, F. Forest research in relation to forest education in India. Forestry Leaves 4(4):7-11. 1951. 99.8 P532

Policies, Programs, Administration

- 75275 ADOMAT. Waldpflege und waldgesinnung. Unser Wald 4(4):1-2. Apr.1951. Apr.1951. 99.8 Un7
- 75276 ARTMAN, J. O. TVA-State reforestation project is success story in trees. Ala. Conserv. 22(11):8,23. May 1951. 279.8 AL1
- 75277 ASOCIACIÓN NACIONAL DE PRODUCTORES DE MADERAS DE PINO. Informe de las actividades realizadas por la Asociación, rendido por J. Sáenz Dozal. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:11-12. 1950. 99.9 C7622
- 75278 AUSTIN, T. Silviculture and road building camps in the State forests. (In Norwegian.) Skogbrukeren 26:158-160,162,164. June 1,1951. 99.8 Sk54
- 75279 AUSTRALIA. FORESTRY AND TIMBER BUR. Annual report for the year ended 31st December, 1949. Canberra, 1950. 32 p. 99.9 Au723A
- 75280 BECKING, J. H. The conservation of the wood production of Suriname. (In Dutch.) Landbk. Tijdschr. 63:438-446. July 1951. 105.2 Or3
English summary.
- 75281 BERGMANN. Der personalabbau in der Niedersächsischen Landesforstverwaltung. Deut. Forstmann, p.31-32. In Forst u. Holz 6(8). Apr.15,1951. 99.8 F7724
- 75282 BOSQUE, A. DEL. Cual es nuestra política forestal? Mensajero Forest. 9(81):4. Mar./Apr.1951. 99.8 M522
Mexico.
- 75283 BRITISH COLUMBIA. DEPT. OF LANDS AND FORESTS. Report of the Forest Service, year ended December 31st, 1950. Victoria, 1950. 133 p. 99.9 B77
- 75284 BUCHHOLZ, E. Von der sowjetischen forst- und holzwirtschaft; ergebnisse des ersten fünfjahresplans nach dem krieg. Holz-Zentbl. 77:487-488. Apr.5,1951. 99.81 H742
- 75285 CHAVES IMICOIZ, E. La forestación en nuestros pafs. Asoc. Rur. del Uruguay. Rev. 78(6):10. June 1951. 9.9 As5
- 75286 CHUMAKOV, S. P. Achievements of the outstanding [labor] squads of the Nikolaev forestry enterprise. (In Russian.) Lesn. Khoz. 4:24-27. Jan.1951. 99.8 L5622

- 75287 COTTA, A. The example of Switzerland. (In Italian.) *Foreste* 3:9-10. Feb.1951. 99.8 F7694 Forest policy.
- 75288 DANFEL'D, P., and MEL'NIKOV, A. Measures for preservation, restoration and improvement of valuable forest massifs. (In Russian.) *Lesn. Khoz.* 4(2): 35-36. Feb.1951. 99.8 L5622
- 75289 DEHRA DUN. FOREST RESEARCH INSTITUTE. Forest research in India & Burma 1947-48. I. The Forest Research Institute. Delhi, 1950. 133 p. Ref. 99.9 In23
- 75290 DUBOIS, L. DE. G. Le Bureau de la Petite Industrie Forestière. *Fôret et Conserv.* 3:211-214. Apr.1951. 99.8 F792
- 75291 GILL, T. Forest policy and legislation for Japan. Supreme Commander Allied Powers. Nat. Resources Sect. Prelim. Study 49,26 p. Ref. May 1951. 280.9 Su72
- 75292 GOLD COAST. FORESTRY DEPT. Annual report for the year 1949-50. Accra, 1951 26 p. 99.9 G56
- 75293 GORIN, F. M. Two years of work of the Slavianskaia Forest Conservation Station. (In Russian.) *Les i Step'* 2(11):63-65. Nov.1950. 99.8 L575
- 75294 GT. BRIT. FORESTRY COMMISSION. Thirty-first annual report of the Forestry Commissioners for the year ending September 30th 1950. London, 1950. 74 p. 99.9 G795A
- 75295 GREELEY, W. B. Tree farms' 10th anniversary. *Amer. Forests* 57(8):12-14, 41-43. Aug.1951. 99.8 F762
- 75296 GRUSHETSKII, I. I. Forestry of Kirgizia on a level with the problems of agrobiological science. (In Russian.) *Lesn. Khoz.* 4(3):52-57. Mar.1951. 99.8 L5622
- 75297 HACHENBERG, F. Bemerkungen zur wieder-raufforstung. *Unser Wald* 4(1):6-8. Jan.1951. 99.8 Un7
- 75298 HEINRICHS, W. Die holzdecke ist zu kurz. *Norddeut. Holzwirt.* 5(13):4. Mar.29, 1951. 99.82 N75
- 75299 HOAK, C. M. Tree farming, a forward movement in conservation. I-II. *Natl. Gard.* 22(5/6):7-9, 26; (7/8):21-23, 30-32. May/June-July/Aug.1951. 90.32 N21
- 75300 HORNSMANN. Die sylvo-kultur des Amazonas-Projektes, ein wendepunkt in der bewertung des waldes. *Unser Wald* 3(7):8-10. July 1950. 99.8 Un7
- 75301 KOLDANOV, V. IA. Some results of the post-war Five-Year Plan and 1951 problems in forestry. (In Russian.) *Lesn. Khoz.* 4:1-18. Jan.1951. 99.8 L5622
- 75302 KORNEV, V. P. On production rhythm of forest conservation stations. (In Russian.) *Lesn. Khoz.* 4(2):69-71. Feb.1951. 99.8 L5622
- 75303 KRYLOV, G. V. Conference on Steppe Afforestation in Siberia. (In Russian.) *Lesn. Khoz.* 4:70-71. Jan.1951. 99.8 L5622
- 75304 LABZIN, V. G. Davydovskaiâ Forestry Conservation Station—candidate for participation in the All-Union Agricultural Exposition in 1951. (In Russian.) *Lesn. Khoz.* 4(2):20. Feb.1951. 99.8 L5622
- 75305 LANDMANN, H. Verwaltungsreform in der forstverwaltung. *Forstl. Mitt.* 4:44, 47. Mar.5, 1951. 99.8 F7725 Germany.
- 75306 LOUIS-MARIE, P. Deux créateurs de forêts: Ferdinand Larose et Fernand Godbout. *Rev. d'Oka* 25: 120-122. May/June 1951. 7 Ok1 Reforestation in Canada.
- 75307 MARTIN. Die erste runde. *Deut. Forstmann.* p.39-40. In *Forst u. Holz* 6(10). May 15, 1951. 99.8 F7724 Forest administration in Germany.
- 75308 MICHIGAN. DEPT. OF CONSERVATION. Fifteenth biennial report, 1949-1950. Lansing, 1951. 251 p. 279.9 M58 Includes reports of the Forestry and Lands Divisions.
- 75309 NAGOVITSYN, N. A. Shelterbelts as an integral part of the great constructions of communism. (In Russian.) *Lesn. Khoz.* 4(3):8-12. Mar.1951. 99.8 L5622 Afforestation plans for the district of the Principal Turkmenian Canal.
- 75310 NERL, W. Forstliches aus Bosnien. *Holz-Zentbl.* 77:514. Apr.10, 1951. 99.81 H742
- 75311 NEW SOUTH WALES. FORESTRY COMMISSION. Report for the years ended 30th June, 1946, 1947, 1948. Sydney, 1950. 15 p. 99.9 N47R
- 75312 NORTHERN RHODESIA. FOREST DEPT. Annual report, 1949. Lusaka, 1950. 26 p. 99.9 R61
- 75313 OPSAHL, W. Has reforestation in West Norway really been speeded up? (In Norwegian.) *Skogbruke-* ren 26:133-138. June 1, 1951. 99.8 Sk54
- 75314 PETROV, M. P. Scientific session on afforestation of the sands of Latvian SSR. (In Russian.) *Lesn. Khoz.* 4(2):13-16. Feb.1951. 99.8 L5622 Called by Institut Lesa Akademii Nauk SSSR and Institut Lesokhoziaistvennykh Problem Latviiskoi SSR.
- 75315 PROSKURIAKOV, F. V. Forestry of Transcaucasia—on a higher level. (In Russian.) *Lesn. Khoz.* 4(2):21-31. Feb.1951. 99.8 L5622
- 75316 QUEENSLAND. DIRECTOR OF FORESTS. Report for the year 1949-50. Brisbane, 1950. 41 p. 99.9 Q312
- 75317 RIABOSHTAN, I. D. Enthusiasts of steppe afforestation. (In Russian.) *Les i Step'* 2(10):100-103. Oct.1950. 99.8 L565 Volunteer workers accomplishments on the State shelterbelt, Belgorod—Don, in Kharkov Region.
- 75318 RISCH, L. J., JR. A balanced conservation program. Unit 37:13-15. June 1951. 99.9 Un34
- 75319 SARAIYA, R. G. Working of the forest labourers' co-operative societies in the State of Bombay. *Bombay Co-op. Q.* 34:233-236. Apr.1951. 280.28 B63
- 75320 SARAWAK. FOREST DEPT. Annual report for the year 1949. Kuching, 1951. 15 p. 99.9 Sa72
- 75321 SCHAAKE. Die besoldung der revierförster. *Forstl. Mitt.* 4:31-33. Feb.20, 1951. 99.8 F7725 Germany
- 75322 STAZIONE SPERIMENTALE DI SELVICOLTURA. L'attività della Stazione Sperimentale di Selvicoltura nel primo venticinquennio [The work of the Forestry Experiment Station in the first twenty-five years]. *Sta. Sper. di Selvicolt. P. (n.s.)* 7, 126 p. 1950. 99.9 F661 English summary.
- 75323 STEPANENKO, V. I. Forepost in the struggle against drought. (In Russian.) *Les i Step'* 2(11):103-108. Nov.1950. 99.8 L565 Uralsk Forest Conservation Station.
- 75324 VEKSHEGONOV, V. IA. For every forest conservation station—a prospective work plan. (In Russian.) *Lesn. Khoz.* 4(2):65-69. Feb.1951. 99.8 L5622
- 75325 WERGELAND, N. Forests ready for the cut. (In Norwegian.) *Skogbrukeren* 26:143-144. June 1, 1951. 99.8 Sk54 Forest administration.
- 75326 WOODS, J. B. Those recent moves on the Oregon checkerboard. *Amer. Forests* 57(8):6-10. Aug. 1951. 99.8 F762 Controversy over sale of timber by the Government.
- 75327 ZIANI, P. Methodik bei der planierung der forst-meliorativen arbeiten. (In Croatian.) *Sumarski List* 75:109-121. Mar./Apr.1951. 99.8 Su6 German summary.
- 75328 ZOTOV, V. V. Leaders in socialist competition. (In Russian.) *Les i Step'* 2(10):92-94. Oct.1950. 99.8 L565 Achievements of agricultural and forestry workers of Penza Region in shelterbelt silviculture.

Legislation and Taxation

- 75329 BERGWITZ. Ein forstgesetz, für das land Niedersachsen. *Forstl. Mitt.* 4:11-12. Jan.20, 1951. 99.8 F7725
- 75330 BLACKWELL, L. P., and MORGAN, R. B. Southern states forest tax laws—Arkansas. *Forest Farmer* 10(9):9. (Cont.) June 1951. 99.8 F7692
- 75331 BLACKWELL, L. P., and MORGAN, R. B. Southern States forest tax laws—Louisiana. *Forest Farmer* 10(7):3, 12. Apr.1951. 99.8 F7692
- 75332 CHAPMAN, H. H. Is State or Federal regulation of cutting on private lands advisable in Connecticut? *Conn. Woodlands* 16:29-30. June 1951. 99.8 C76
- 75333 DEAN, G. Virginia's seed tree law. Unit 37: 15-16. June 1951. 99.9 Un34
- 75334 HALL, R. C. Adaptation of taxation to Japan's forest policy. Supreme Commander Allied Powers. Nat. Resources Sect. Prelim. Study 57,32 p. June 1951. 280.9 Su72
- 75335 HESSE. LAWS, STATUTES, ETC. Das gemeindeforstrecht im lande Hessen; stand vom 15. 1. 1950. Stuttgart, Boorberg, 1950. 48 p. (Vorschriftensammlung für die Gemeindeverwaltung in Hessen, Heft 8, 80) 99.59 H462
- 75336 JIMENEZ BARAT, J. Los montes en su aspecto juridico. Montes 7:98-100. Mar./Apr.1951. 99.8 M763 Includes Spanish forest legislation.
- 75337 KASA, J. Paragraph 11 of the forestry law. (In Norwegian.) *Skogbrukeren* 26:130, 132-133. June 1, 1951. 99.8 Sk54

75338 KLOSE, F. Die neue forstgesetzgebung in Nordrhein-Westfalen. Forstarchiv 22:1-5. Feb. 1951. 99.8 F7723

75339 RECKE, G. Vorschläge zu einem forstgesetz in Japan. Allg. Forstz. 6:308-309. July 25, 1951. 99.8 AL52

75340 SIKES, R. L. F. Communism, a challenge to America. Introductory remarks on forestry legislation. Forest Farmer 10(8):5,10. May 1951. 99.8 F7692

75341 ŻABKO-POTOPOWICZ, A. Legislation forestiere de l'Union Sovietique. (In Polish.) Sylwan 94(4):3-29. Ref. 1950. 99.8 Sy52
French summary.

Forest Description and Resources

75342 AMERICAN FOREST PRODUCTS INDUSTRIES. The Nation's wood supply. Washington, 1950. 22 p. 99.7 Am3

75343 ANDREWS, L. R. British Columbia's wood resources. Brit. Columbia Lumberman 35(7):39-48. July 1951. 99.81 B77

75344 BEDNALL, B. H. State pine forests in South Australia. So. Austral. Woods & Forests Dept. B. 3, 24 p. 1950. 99.9 So8

75345 BOCKEMUHL, E. Wald, knicks und hecken gehören zum Niederrhein. Unser Wald 4(3):17-18. Mar. 1951. 99.8 Un7

75346 CROMER, D. A. N. The forest resources of Australia and their potentialities. Austral. J. Sci. 13:130-135. Apr. 1951. 475 Au72

75347 DACKMAN, E., and PERSSON, E. An old forest in a mining district. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. Natur i Gästrikland, p.179-186. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

75348 DEVAL, W., and CHRISTEN, H. E. Alabama hardwoods. Ala. Lumberman 3(6):8,22-25. June 1951. 99.81 AL1

75349 ECHÁNOVE TRUJILLO, C. A. Nuestra desforestación, "azote secular." Mensajero Forest. 9(81):9-11. Mar./Apr. 1951. 99.8 M522
Mexico.

75350 EITRICH, G. Islands bäume sind noch jung. Übersicht 2(2):24-26. Apr. 1951. 18 Ub3

75351 GUINIER, Le Domaine d'Harcourt: le présent et l'avenir. Acad. d'Agr. de France. Compt. Rend. 37:334-338. May 30, 1951. 14 P215Bc
Chiefly an account of the forest.

75352 GUINIER, P. Physiologie forestière de la France. Forêts de France 30:6. (Cont.) Apr. 1951. 99.9 F315

75353 HVOSLEF, O. Forest surveying in "The Peak District" in Derbyshire, England. (In Norwegian.) Skogbrukeren 26:149-150, 152, 154. June 1, 1951. 99.8 Sk54

75354 JAMES, L. M. Timber supplies for industry in Mississippi. South. Econ. J. 18:61-71. July 1951. 280.8 So84

75355 KLEVTSOV, I. P. On the forests of the Ural Area. (In Russian.) Lesn. Khoz. 4(2):32-34. Feb. 1951. 99.8 L5622

75356 LUNDGREN, S. Where the Norrland forest ends. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. Natur i Gästrikland, p.187-199. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

75357 MEYER, A. B. Forests of the Show-Me State [Missouri]. Forest Farmer 10(8):3,11. May 1951. 99.8 F7692

75358 MISHIN, A. T. Mountain forests of Uzbekistan. (In Russian.) Lesn. Khoz. 4(3):58-59. Mar. 1951. 99.8 L5622

75359 OECHSLIN, M. Der kampfzonenwald. Natforsch. Gesell. Schaffhausen. Mitt. 23:273-279. 1950. 508 Schl

Swiss forest resources.

75360 OHLSSON, A. E. Forest problems. (In Swedish.) Skogen [Stockholm] 38:137-140. July 1, 1951. 99.8 Sk51

Resources and management.

75361 OSBORNE, M. M. The last of the big trees. I. Pemigewasset Wilderness [in New Hampshire] 1906. Appalachia 28:398-407. June 1951. 500 Ap4

75362 PERSSON, E. The forest land. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. Natur i Gästrikland, p.107-131. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

75363 PFISTER, Holzreserven in durchforstungsbeständen des kleinen privatwaldes. Holz-Zentbl. 77:307. Mar. 1, 1951. 99.8 H742

75364 SILDARELLI, R. Saint Peter's Forest in the District of Caltagirone (Catania). (In Italian.) Foreste 3:72-75. June 1951. 99.8 F7694

75365 STERNER, R. A desert lake and a big forest in southwest Småland. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. Natur i Småland, p.406-415. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5

75366 STEVEN, H. M. The forests and forestry of Scotland. Scot. Geog. Mag. 67:110-123. Ref. Aug. 1951. 472 Sco8

75367 VARGAS, J. L. El problema de la desforestación. Mensajero Forest. 9(80):4,18-19. Feb. 1951. 99.8 M522
Mexico.

75368 VIKSTEN, A. An outsider's opinion of Gästrikland. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. Natur i Gästrikland, p.9-12. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432
Includes description of its forests.

75369 WIBECK, E. Småland's forests. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. Natur i Småland, p.45-61. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5

Individual Genera and Species

75370 ARNBORG, T. A remarkable birch stand in Hedesunda. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. Natur i Gästrikland, p.261-265. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

75371 BARBA, L. DELLA. New poplar culture. (In Italian.) Agr. Ferrarese 55:6-8. Jan. 31, 1951. 16 Ag87

75372 BAYMA, C. Industry and production of African oilpalm. (In Portuguese.) Seleg. Agr. 6(60):33-34. Apr. 1951. 9.2 Se4

Brazil.

75373 CHISMAN, H. H., and BRAMBLE, W. C. Banks pine in Pennsylvania. Pa. Agr. Expt. Sta. B. 538, 16 p. May 1951. 100 P381

75374 CUTTEN, E. Y. The development of a stand of Pinus strobus L. in Waitapu State Forest. Forest Res. Inst. Forest Res. Notes 1(2):19-27. Dec. 1950. 99.9 W46

75375 DERJABIN, D. I. To conserve Fraxinus in the forests of the Middle Volga. (In Russian.) Lesn. Khoz. 4:83-84. Jan. 1951. 99.8 L5622

75376 DE VILLIERS, P. C. The baobab tree (Adansonia digitata Linn.). (In Afrikaans.) So. African Forestry Assoc. J. 20:9-18. Apr. 1951. 99.9 So82

75377 DUBOIS, P. Les peupleraies et leur entretien. Forêt Franç. 160:3. July 1951. 99.8 F7682

75378 EDLIN, H. L. Trees in the landscape. 4. Birch and Alder. Wood [London] 16:280-282. July 1951. 99.82 W855

75379 FERNANDEZ, S. P. The king bamboo: its economic value. Forestry Leaves 4(4):21-23. 1951. 99.8 P532

75380 FREITAS, L. G. DE. Culture and research in the black acacia. (In Portuguese.) Agr. e Pecuaria 32(330):30,42. Mar. 1951. 9.2 Ag89

75381 GOGGINS, J. F. Slash and loblolly compared in Piedmont pine plantations. Ala. Lumberman 3(6):16-17. June 1951. 99.81 AL1

75382 HILDEBRAND, F. H. Boornamenlijst van de Noord-Molukken. List of treespecies, collected in the North Moluccas. Indonesia. Bosbouwproefsta. Rap. 45, 53 p. Apr. 1951. 99.9 Ea72R

English preface.

75383 HILDEBRAND, F. H. Verbeterde boornamenlijst van Manado. Revised list of treespecies, collected in Manado. Indonesia. Bosbouwproefsta. Rap. 44, 53 p. Feb. 1951. 99.9 Ea72R

English preface.

75384 HILF, H. H., and ROHMEDE, E. Pappel sortenprüfung. Forstarchiv 22:80-82. Ref. (Concl.) June 15, 1951. 99.8 F7723

75385 HOUTERMANS. Schätze des waldes. Unser Wald 4(2):20. Feb. 1951. 99.8 Un7

Quercus.

75386 HUBBARD, M. Flowers and fruits of some homegrown hardwoods. 1. Oaks. Wood [London] 16:267. July 1951. 99.82 W855

75387 KHAN, M. I. Introduction of exotic species in the Punjab. Pakistan J. Forestry 1:136-143. Ref. Apr. 1951. 99.8 P17

75388 KUCHIN, V. P. Black walnut [Juglans nigra]. (In Russian.) Lesn. Khoz. 4(2):58-59. Feb. 1951. 99.8 L5622

- 75389 LEVEN, J. K. Flowering times of Japanese larch (*L. leptolepis*, Murray) and European larch (*L. europaea*, D. C.). *Scot. Forestry* 5:33-44. Apr.1951. 99.8 Sco3
- 75390 LEVON, M. The forestry of Argentina. (In Finnish.) *Paperi ja Puu*. B 33:236-240. July 15,1951. 502.8 P1991
- English summary.
- Tree species.
- 75391 LORDAT, J. DE. Le chêne-liège [*Quercus suber*] au Portugal. *Forêts de France* 30:2,7. Apr.1951. 99.9 F315
- 75392 MERKER, H. Umeå—the city of birches. (In Swedish.) *Trädgårdstidningen* 23(1):12-13,28-29. Jan. 1951. 80 T67
- 75393 PASINI, B. Willows. (In Italian.) *Agr. Ferrarese* 54:199-201. Sept.30,1950. 16 Ag87
- Culture.
- 75394 PHAR, D., G. El eucalipto, una maravilla forestal. *Habano* 17(5):22-24. May 1951. 69.8 It11
- 75395 PICCAROLO, G. Poplar culture in the Po Valley. (In Italian.) *Italia Agr.* 88:341-352. June 1951. 16 It1
- 75396 RAGUE MIR, J. La mimbrera y su cultivo. *Cult. Mod.* 34:139. Apr.1951. 15 C89
- Spain.
- 75397 RUSK, H. M. Redwood trees [*Sequoia*] how to grow them outside of California. *Plants & Gard.* 7:113-119. Summer 1951. 450 P694
- 75398 SANCHE, A. D. Observations on the Eucalyptus "Globulus labill" in the District of Lobéria. (In Portuguese.) *Agr. e Pecuaria* 22(331):67-69. Apr.1951. 9.2 Ag89
- 75399 SCHWARZ, H. Die gefährdung der tanne im Wienerwald. *Nat. u. Land* 36:156-158. 1950. 410 N2124
- 75400 SEIBERT, P. Die Douglasie im stadtwald Freiburg. *Allg. Forst- u. Jagdztg.* 122:158-161. July 1, 1951. 99.8 AL3
- 75401 SIPKES, C. A remarkable, possibly important white willow [*Salix alba* Rockanje]. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:216-217. July/Aug. 1951. 12 N282
- 75402 SKINNER, H. T. The shipmast locust [*Robinia pseudoacacia*]. *Plants & Gard.* 7:92-94. Summer 1951. 450 P694
- 75403 SMITH, N. F. White ash [*Fraxinus americana*]. *Timber Prod. Assoc. B.* 100:14-15. July 1951. 99.9 T482B
- 75404 SMITH, N. F. White spruce. *Timber Prod. Assoc. B.* 99:14-15. June 1951. 99.9 T482B
- 75405 TREGUBOV, G. A. The Amur velvet tree [Gynura]. (In Russian.) *Lesn. Khoz.* 4(3):43-45. Mar. 1951. 99.8 L5622
- 75406 ZENTGRAF, E. Frage des Douglasienanbaues in Südwestdeutschland. *Allg. Forst- u. Jagdztg.* 122:157-158. July 1,1951. 99.8 AL3
- Pseudotsuga taxifolia viridis*.
- 75407 ZHUKOV, P. V. Euonymus culture in Western Siberia. (In Russian.) *Lesn. Khoz.* 4(3):50. Mar.1951. 99.8 L5622

FOREST MANAGEMENT AND FINANCE

- 75408 BROMLEY, W. S. An economical method of marking timber. *J. Forestry* 49:518-519. July 1951. 99.8 F768
- 75409 CHINTE, F. O. Revenue from forest resources *Forestry Leaves* 4(4):27. 1951. 99.8 P532
- 75410 ELLENDER, A. J. Private enterprise in forestry. *Forest Farmer* 10(7):5,10-11. Apr.1951. 99.8 F7692
- 75411 ELMER, W. Forstorganisation und wirtschaftserfolg. *Forstwirt., Holzwirt.* 5:16-17. Jan.15, 1951. 99.8 F7793
- 75412 FOSTIER. Rendement d'une plantation d'Epicéa. *Forêts de France* 29:5. (Concl.) Mar.1951. 99.9 F315
- 75413 GIPPLE, O. B. Planned management of Pennsylvania's forest lands is a "must." *Pa. Forests & Waters* 3:50-51,68. May/June 1951. 99.8 P38
- 75414 GRIBANOV, L. N. On forest management in the pine grove belts of Western Siberia during improvement cuttings. (In Russian.) *Lesn. Khoz.* 4:64-69. Jan. 1951. 99.8 L5622
- 75415 JAMES, L. M., HOFFMAN, W. P., and PAYNE, M. A. Private forest landownership and management in central Mississippi. *Miss. Agr. Expt. Sta. Tech. B.* 33, 38 p. Apr.1951. 100 M69

- 75416 JOHNSON, V. Un mille de route pour quatre milles carrés de forêts. *Forêt et Conserv.* 3:219-221. Apr.1951. 99.8 F792
- 75417 KAPPES. Erfahrungen beim betonstrassenbau im walde. *Forst u. Holz* 6:108-112. Apr.15,1951. 99.8 F7724
- 75418 KRAJSKI, W. The problem of price fixing for timber and of forest evaluation within the Socialistic economy. (In Polish.) *Sylwan* 94(4):30-50. Ref. 1950. 99.8 Sy52
- English summary.
- 75419 LISAR'KOV, KH. A. Some theoretical problems of forest land drainage. (In Russian.) *Lesn. Khoz.* 4:19-23. Jan.1951. 99.8 L5622
- 75420 MCCLAY, T. A. Comparative stumpage prices for pine saw timber and pulpwood in the lower Piedmont. *Forest Farmer* 10(9):7. June 1951. 99.8 F7692
- 75421 MALYSHEV, S. V. On forest management in the health resort forests. (In Russian.) *Lesn. Khoz.* 4(3):60-62. Mar.1951. 99.8 L5622
- 75422 MORIN, R. A. Forest management policy on marking for selective cutting. *Forest Farmer* 10(7):7-8. Apr.1951. 99.8 F7692
- 75423 NELSON, A. W., JR. Industrial cooperation in better management. *Forest Farmer* 10(10):5,12-13. July 1951. 99.8 F7692
- 75424 REYNOLDS, R. R. Timber stand improvement job in southwest Arkansas. *South. Lumberman* 183(2289):43-45. Aug.15,1951. 99.81 So82
- 75425 ROBLES, O. Consideraciones generales sobre las unidades industriales de explotación forestal. *Conv. Nac. de Prod. de Maderas de Pino. Mem.* 4:68-69. 1950. 99.9 C7622
- 75426 SHAUGHNESSY, W. Radio communications. *Pulp & Paper Mag. Canada* 52(8):106. July 1951. 302.8 P96
- 75427 TURNER, B. The forests and the bankers. *Ala. Lumberman* 3(7):14,18-19. July 1951. 99.81 AL1
- 75428 U. S. FOREST SERV. Timber cut on national forests by regions under sales and land exchanges, fourth quarter, fiscal year 1951 and 1950. Washington,1951. 2 p. 1.962 A2T485
- 75429 USHAKOV, V. To spread the practices of I. K. Iakovlev's leading tractor brigade. (In Russian.) *Lesn. Khoz.* 4(3):67-71. Mar.1951. 99.8 L5622
- Work management at forest conservation stations.
- 75430 VEKSHGONOV, V. IA. Methods for calculating the cost of developing shelterbelts. (In Russian.) *Lesn. Khoz.* 4:72-78. Jan.1951. 99.8 L5622
- 75431 WESTERN FORESTRY AND CONSERVATION ASSOCIATION. WEST COAST FORESTRY PROCEDURES COMMITTEE. Reports on various recommended forest practices and techniques. No. 1/7. Portland,Oreg.,1950. 57 p. 99.9 W523
- 75432 WORK, H. Progress of private forestry. *Forest Farmer* 10(8):7,12. (Cont.) May 1951. 99.8 F7692
- 75433 ZILLGITT, W. M. Converting mature Northern hardwood stands to sustained yield. *J. Forestry* 49:494-497. July 1951. 99.8 F768

Farm Woodlands

- 75434 CROKER, T. C., JR. An annual tree crop. *Forest Farmer* 10(8):9. May 1951. 99.8 F7692
- Farm woodlands.
- 75435 FANCELLO, G. Wind in Sardinia. (In Italian.) *Lotte Contadine* 2(10):7. June 10,1951. 16 L91
- Types of trees good for windbreaks.
- 75436 FIX, W. L. Farm woodlot is income source. *Hoosier Farmer* 36(8):26. Aug.1951. 280.82 H76
- 75437 GERLACH, H. Etwas über hecken und ihre pflanzung. *Unser Wald* 3(6):10-11. June 1950. 99.8 Un7
- 75438 HUFNAGL, H. Bedrohter bauernwald! Kärntner Bauer 101:267-268. May 15,1951. 19 K14
- 75439 MEYER, W. Überholte knicks? *Deut. Landwirt. Presse* 74:136. May 19,1951. 18 D482
- Windbreaks.
- 75440 MONTANARI, V. Production of firewood on the cultivated lands of Venezia. (In Italian.) *Agr. delle Venezie* 5:215-221. Apr.1951. 16 Ag826
- 75441 OLSON, H. Farm woodlot management. *Co. Agent & Vo-Ag Teacher* 7(7):11. July 1951. 275.28 N213
- 75442 PINGEL, W. Wald und baum sichern die ernte! *Unser Wald* 3(7):6-7. July 1950. 99.8 Un7
- 75443 RAUNECKER, H. Waldbau im bauernwald. *Forstl. Mitt.* 4:74,77. Apr.20,1951. 99.8 F7725
- 75444 ZARATE HERNANDEZ, J. Cortinas rompevientos para los campos de México. *Tierra [Mexico]* 6:410-412,434-436. July 1951. 8 T445

Mensuration

- 75445 ALLISON, B. J., and MORRISON, A. Two ready reckoners for use in volume calculations. *Scot. Forestry* 5:57-66. Apr.1951. 99.8 Sco3
- 75446 BRANTSEG, A. Kubikk- og produksjonsundersøkelser i vest-norske granplantninger [[Investigations on volume and yield in spruce plantations in West Norway]. Norway. Vestlandets Forstl. Forsøkssta. Meddel. 28, 109 p. 1951. 99.9 N832
English summary.
- 75447 CHERNOBROVTSEV, M. Estimation of young forests during improvement cuttings. (In Russian.) *Lesn. Khoz.* 4(2):56-57. Feb.1951. 99.8 L5622
- 75448 CZARNOWSKI, M. Quelques notes sur certaines corrélations fonctionnelles de nos arbres. (In Polish.) *Sylvan* 94(4):51-68. Ref. 1950. 99.8 Sy52
French summary.
- 75449 DAVIDOV, M. V. The structure of beech plantations. (In Russian.) *Lesn. Khoz.* 4(3):40-42. Mar. 1951. 99.8 L5622
Forest mensuration.
- 75450 DUFF, G. Comparison between the volumes of forked and normal trees of *Pinus radiata* D. Don in Kaingaroa State Forest. *Forest Res. Inst. Forest Res. Notes* 1(2):28-31. Dec.1950. 99.9 W46
- 75451 EMROVIC, B. Grapische anwendung der formeln von Prof. Levakovic. (In Croatian.) *Sumarski List* 75:148-156. Mar./Apr.1951. 99.8 Su6
Germany summary.
- 75452 GIERUSZYNSKI, T. Methodes: Kopecky-Gehrhard et Urich, leur exactitude et économie de temps. (In Polish.) *Sylvan* 94(4):82-88. 1950. 99.8 Sy52
French summary.
- 75453 HEISKANEN, V. Mäntytukkipuiden kuutioarvioinnin tarkkuudesta. The accuracy in appraisal of the volume of pine timber trees. Finland. *Metsätieteellisen Tutkimuslaitoksen. Julkaisu.* 38(6), 24 p. Ref. 1950. 99.9 F493
English summary.
- 75454 ILVESSALO, Y. On the correlation between the crown diameter and the stem of trees. Finland. *Metsätieteellisen Tutkimuslaitoksen. Julkaisu.* 38(2), 32 p. 1950. 99.9 F493
- 75455 JACKSON, L. W. R. Use of the dendrometer for the precise measurement of tree growth. *Forest Farmer* 10(9):8. June 1951. 99.8 F7692
- 75456 KUBIKTABELLE für rundholz mit massentafel für bloche. Tambach-Dietmarz, Krüger, 1950. 15 p. 99.4 K95
- 75457 MIKOLA, P. Puiden kasvun vaihteluista ja niiden merkityksestä kasvututkimuksissa. On variations in tree growth and their significance to growth studies. Finland. *Metsätieteellisen Tutkimuslaitoksen. Julkaisu.* 38(5), 131 p. Ref. 1950. 99.9 F493
English summary.
- 75458 MINOR, C. O. Stem-crown diameter relations in Southern pine. *J. Forestry* 49:490-493. Ref. July 1951. 99.8 F768
- 75459 OGORODOV, N. V. Rate of growth of closed fir-spruce plantations according to forest types in North-East of European SSSR. (In Russian.) *Lesn. Khoz.* 4(2):49-55. Feb.1951. 99.8 L5622
- 75460 OLBERG, A. Über schätzung und kennzeichnung des leistungsvermögens an wertholz in stehenden beständen. *Forstarchiv* 22:82-85. June 15, 1951. 99.8 F7723
- 75461 PATRONE, G. Recherches sur le cubage des taillis du maquis méditerranéen (*Macchia mediterranea*) de la maremma toscane. (In Italian.) *Italia Forest. e Mont.* 6:79-88. Mar./Apr.1951. 99.8 It12
French summary.
- 75462 PIASECKI, B. A short consideration upon some approaches to annual yield calculation. *Arbor* 1:80-83. 1951. 99.8 Ar17
- 75463 PIPAN, R. Analyse des tarifs de cubage applicables pour les futaies jardinées. (In Croatian.) *Gozdarski Vest.* 9:68-74. 1951. 99.8 G74
French summary.
- 75464 PRODAN, M. Aus der holzmesslehre; ein kritisches sammelreferat über die neuesten aufsätze und arbeiten. *Forstarchiv* 22:73-80. Ref. June 15, 1951. 99.8 F7723
- 75465 SANDMO, J. K. What is a standard [cubic measurement]? (In Norwegian.) *Skogbrukeren* 26:156. June 1, 1951. 99.8 Sk54
- 75466 SEPEROVICH, I. Measuring the height of trees with an "eklimeter." (In Russian.) *Lesn. Khoz.* 4(2):84. Feb.1951. 99.8 L5622

Aerial Surveying and Photography

- 75467 BORGIO B., G. El uso de las fotografías aéreas en el inventario forestal. *Conv. Nac. de Prod. de Maderas de Pino. Mem.* 4:41-44. 1950. 99.9 C7622
- 75468 HARRIS, R. W. Use of aerial photographs and sub-sampling in range inventories. *J. Range Mangt.* 4:270-278. Ref. July 1951. 60.18 J82
- 75469 SINÁVSKIY, N. For full utilization of aerial photography in forest management. (In Russian.) *Lesn. Khoz.* 4:79. Jan.1951. 99.8 L5622
- Silviculture
- 75470 CHERNIAEV, S. N. Leaders in steppe silviculture. (In Russian.) *Les i Step'* 2(11):100-102. Nov.1950. 99.8 L565
- 75471 COMISIÓN DE ESTUDIOS SILVÍCOLAS. Informe, rendido por C. Blanco. *Conv. Nac. de Prod. de Maderas de Pino. Mem.* 4:73-74. 1950. 99.9 C7622
- 75472 DELISLE, R. Pour avoir une érablière rémunératrice. *Abeille et l'Erable (ser.2)* 20:52-53. Apr. 1951. 424.8 Ab32
- 75473 DENISOV, A. K. Biological peculiarities of river valley oak [*Quercus robur*] and shelterbelts along river banks. (In Russian.) *Les i Step'* 2(10):40-45. Oct.1950. 99.8 L565
- 75474 DUBOIS, P. Les peuplerales et leur entretien. *Forêt Franç.* 156:2. (Cont.) Mar.1951. 99.8 F7682
- 75475 GAISER, R. N., and CAMPBELL, J. R. The concentration of roots in the white oak forests of south-eastern Ohio. *U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper* 120, 13 p. Ref. Mar.1951. 1.9622 C3T222
- 75476 GAISER, R. N. Relation between topography, soil characteristics, and the site index of white oak in southeastern Ohio. *U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper* 121, 12 p. Ref. July 1951. 1.9622 C3T222
- 75477 GEURKEN, J. What litter contributes to soil fertility in forestry. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:184-185. June 1951. 12 N282
- 75478 GORDEEV, I. The best people in their profession. (In Russian.) *Lesn. Khoz.* 4(2):17-19. Feb.1951. 99.8 L5622
Achievements of workers in silviculture.
- 75479 HUGH, A. F. Tree roots. *Pa. Forests* 36 (346):22-26. Winter 1951. 99.8 F763
- 75480 HOUTZAGERS, G. Silviculture and silvicultural research in the United States of America. VIII. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:189-193. July/Aug.1951. 12 N282
- 75481 KRUEDENER, A. A. VON. Forstliche standortanzeiger, auslese zum gebrauch im walde. Ed. 3. Radebeul und Berlin, Neumann, 1950. 133 p. 463.83 K93
- 75482 LARSEN, C. S. The possibilities of improving forest trees. *Forestry* 24:19-21. 1951. 99.8 F767
- 75483 LETKOVSKIY, A. I. Effect of fullness of stand on growth, development and regeneration of *Euonymus verrucosus*. (In Russian.) *Lesn. Khoz.* 4:48-52. Jan. 1951. 99.8 L5622
- 75484 LINDQUIST, B. The improvement of birch. *Q. J. Forestry* 45:156-160. July 1951. 99.8 Q2
- 75485 MACDONALD, J. Climatic limitations in British forestry. *Q. J. Forestry* 45:161-168. Ref. July 1951. 99.8 Q2
- 75486 MAL'TSEV, M. P. Interspecific interrelations of some cultivated tree species. (In Russian.) *Lesn. Khoz.* 4(3):20-25. Mar.1951. 99.8 L5622
- 75487 OLIVEROS, F. S. Land classification with special reference to factors determining the types and suitability of land and soils. *Forestry Leaves* 4(4):14-16. 1951. 99.8 P532
- 75488 OREKHOV, V. A. We shall fully put into practice the Dokuchaev-Vil'iams system. (In Russian.) *Les i Step'* 2(10):81-83. Oct.1950. 99.8 L565
Chiefly on shelterbelt silviculture in Ovidiopol District, Odessa Region.
- 75489 ROMANOV, A. In regard to growing oak forests in the area of Dark Chestnut soils. (In Russian.) *Lesn. Khoz.* 4:40-43. Jan.1951. 99.8 L5622
- 75490 SINITSYN, P. N. Shelterbelt silviculture on a collective farm in the Volga Area. (In Russian.) *Les i Step'* 2(10):105-107. Oct.1950. 99.8 L565
Kuibyshev Collective Farm in Balakov District, Saratov Region.
- 75491 SITTE, E. Zur methodik bestandesgeschichtlicher untersuchungen. *Allg. Forstz.* 6:302-305. July 25, 1951. 99.8 AL52

75492 STEGNI, A. Shelterbelt silviculture on Stalin Collective Farm [in Olgin District, Stalin Region]. (In Russian.) *Les i Step'* 2(10):90-91. Oct.1950. 99.8 L565

75493 STENTZEL, E. Neue forstliche kulturgeräte. *Forstarchiv* 22:86-89. Ref. (Concl.) June 15,1951. 99.8 F7723

75494 UGARTE LAISECA, J. Fitoquímica forestal. *Montes* 7:85-88. Mar./Apr.1951. 99.8 M763

75495 WESTVELD, M. Vegetation mapping as a guide to better silviculture. *Ecology* 32:508-517. Ref. July 1951. 410 Ec7

75496 WITZGALL, Vom wesen des waldes. *Unser Wald* 3(11):1. Nov.1950. 99.8 Un7

Silviculture.
75497 WOBST, W. Über naturgemässe waldwirtschaft. *Forst u. Holz* 6:105-108. Apr.15,1951. 99.8 F7724

75498 ZABIELSKI, B. Problèmes de la biométrie forestière. (In Polish.) *Sylvan* 94(4):69-81. Ref. 1950. 99.8 Sy52

French summary

Silvicultural Practices

75499 BEARD, J. S., and DARBY, G. D. An experiment on burning in wattle silviculture. *So. African Forestry Assoc. J.* 20:53-77. Apr.1951. 99.9 So82

75500 BOGDANOV, P. L. Method of growing pine wood without knots. (In Russian.) *Lesn. Khoz.* 4:60-62. Jan.1951. 99.8 L5622

Removal of side buds.

75501 BÖHMER, J. G. A little about selection cutting. (In Norwegian.) *Skogbrukeren* 26:140,142. June 1,1951. 99.8 Sk54

75502 CHAIKEN, L. E. Tree poisoning with 2,4,5-T in frills. *Forest Farmer* 10(9):9,12. June 1951. 99.8 F7692

75503 CHISTIAKOV, A. R., and KUDRIAVTSEV, K. A. Group method of improvement cutting in the mixed young forests. (In Russian.) *Lesn. Khoz.* 4(2):40-44. Feb.1951. 99.8 L5622

75504 COOK, D. B. Justifications for forest pruning in the Northeast. *J. Forestry* 49:487-489. Ref. July 1951. 99.8 F768

75505 COULTER, C. H. Practical forestry practices. *Forest Farmer* 10(7):3,14-15. Apr.1951. 99.8 F7692

75506 EBERTS, H. Waldbauliche behandlung und forsteinrichtung bisheriger mittelwaldungen des südhanoverschen berglandes. *Allg. Forst- u. Jagdztg.* 122:101-107. (Cont.) Apr.1951. 99.8 AL3

75507 GROSS, F. Zur praxis im naturgemässen wirtschaftswalde. *Forstwirt., Holzwirt.* 5:21-23. Jan.15, 1951. 99.8 F7793

75508 GUSEV, F. P. Removal of side buds in pine at an early age. (In Russian.) *Lesn. Khoz.* 4:63. Jan.1951. 99.8 L5622

75509 HEGEL, D. V. Neue untersuchungsergebnisse zur planung und technik der fichtenastung. *Forst u. Holz* 6:142-145. May 15,1951. 99.8 F7724

75510 HEYDEN, D. Geräte für die aufastung. *Forst u. Holz* 6:140-142. May 15,1951. 99.8 F7724

75511 JOLLY, N. W. The thinning of *Pinus radiata* plantations in the south-east of South Australia. *So. Austral. Woods & Forests Dept. B.* 4,27 p. 1950. 99.9 So8

75512 MAYER-KRAPOLL, H. Forstdüngung und holzproduktion. *Unser Wald* 3(10,sup.),12 p. Oct.1950. 99.8 Un7

75513 MÜLLER, H. Die erziehung von astreinem holz. *Grüne* 79:535-539. (Cont.) May 11,1951. 17 Sch9

75514 NOVIKOV, V. V. Practices in growing shelterbelts. (In Russian.) *Les i Step'* 2(11):87-94. Nov.1950. 99.8 L565

On Stepan Razin Collective Farm in Kuibyshev Region.

75515 ROLLETT, E. Defects of open high forest. (In Italian.) *Foreste* 3:41-45. Apr.1951. 99.8 F7694

Seeding and Planting

75516 ALLSOP, F. Propagation of *Pinus radiata* D. Don by means of cuttings. *Forest Res. Inst. Forest Res. Notes* 1(2):1-18. Dec.1950. Ref. 99.9 W46

75517 ARBUZOV, I. Mechanization of group planting of *Caragana arborescens*. (In Russian.) *Lesn. Khoz.* 4(2):87. Feb.1951. 99.8 L5622

75518 BENZIAN, B. A century-old forest nursery in Germany. *Forestry* 24:36-38. 1951. 99.8 F767

75519 BISSELL, L. P. Planting forest trees in Maine. *Maine. Agr. Col. Ext. B.* 410,16 p. Mar.1951. 275.29 M281B

75520 BLANCKMEISTER, L. J. Der flächenbedarf im forstlichen pflanzenzuchtbetrieb. *Radebeul, Neumann, 1950.* 16 p. 99.47 B59

75521 BROADFOOT, W. M. Forest planting sites in north Mississippi and west Tennessee. *U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper* 120,15 p. May 1951. 1.9 F7620

75522 BURESCH SAGNER, O. Cosecha y conservacion de semillas forestales. *Chacra* 21(248):28. July 1951. 9 C34

75523 CHERNIAEV, S. Stakhanovites—transformers of nature in Kirovograd Region. (In Russian.) *Lesn. Khoz.* 4(2):83-84. Feb.1951. 99.8 L5622

Their achievements in planting shelterbelts.

75524 COOPER, G. R., and AIKMAN, J. M. Some responses of black locust to planting site treatment. *Iowa Acad. Sci. Proc.* 57:73-90. Ref. 1950. 500 Io93

75525 COTTERELL, SIR R. Planting of hardwoods in mixture. *Q. J. Forestry* 45:145-155. July 1951. 99.8 Q2

75526 DENK, Änderungen und neuerungen zu den geräten zum zapfenpflücken am stehenden stamm. *Forst u. Holz* 6:138-140. May 15,1951. 99.8 F7724

75527 DORMANN, Die erhöhte kiefernstreifenpflanzung. *Forstl. Mitt.* 4:61-62. Apr.5,1951. 99.8 F7725

75528 DVINIANINOV, M. G. In regard to reclamation of the near-Caspian steppes. (In Russian.) *Lesn. Khoz.* 4(2):81-82. Feb.1951. 99.8 L5622

Chiefly on shelterbelt planting by the Enotaevskaja Lesozashchitnaja Stanfisa.

75529 FOLEY, T. A. Rate of fall of kauri (*Agathis australis* Salisb.) seeds in quiet air. *Forest Res. Inst. Forest Res. Notes* 1(2):32-40. Dec.1950. 99.9 W46

75530 GAN, P. A. In regard to growing archa [*Juniperus?*] seedlings. (In Russian.) *Lesn. Khoz.* 4:82. Jan. 1951. 99.8 L5622

75531 GERLACH, H. Versuchspflanzungen von gehölzen in industriegebieten. *Unser Wald* 4(1):14. Jan.1951. 99.8 Un7

75532 GLASER, H. Aus dem forstkulturbetrieb anderer länder. *Forstarchiv* 22:33-40. Ref. Mar.30,1951. 99.8 F7723

75533 GODNEV, E. D. Experimental planting of white willow [*Salix alba*] by the group method. (In Russian.) *Lesn. Khoz.* 4(3):37-39. Mar.1951. 99.8 L5622

75534 GOLUBINSKII, S. Shelterbelts of the Crimean forestry nursery. (In Russian.) *Les i Step'* 2(11):109-110. Nov.1950. 99.8 L565

75535 GUDTSEV, I. I. Pre-planting treatment of *Coniferae* seeds which were stored in hermetically sealed containers. (In Russian.) *Lesn. Khoz.* 4(2):37-39. Feb. 1951. 99.8 L5622

75536 HALL, N. The establishment of coniferous plantations in Australia. *Austral. J. Sci.* 13:164-168. June 1951. 475 Au72

75537 HENGST, Zwei neue pflanzverfahren. *Forstl. Mitt.* 4:41-43. Mar.5,1951. 99.8 F7725

75538 HUSS, E. On changes in viability because of storage of cones and seeds. (In Swedish.) *Skogen [Stockholm]* 38:151-154. July 1,1951. 99.8 Sk51

Spruce.
75539 HUSS, E. On dewinging injuries to forest seeds and its effect on the resulting plant. (In Swedish.) *Skogen [Stockholm]* 38:68-71. June 15,1951. 99.8 Sk51

75540 HYDE, H. A. Pollen output and seed production in forest trees. *Q. J. Forestry* 45:172-175. Ref. July 1951. 99.8 Q2

75541 IURRE, N. To plant [tree] seeds of equal size. (In Russian.) *Lesn. Khoz.* 4(3):31-32. Mar.1951. 99.8 L5622

75542 KANTOR, J. The growth of the birch. (In Czech.) *Lesn. Práce* 29:397-478. Ref. Dec.1950. 99.8 L56

English summary.

75543 KAPS, Zur technik der hohlbohrerpflanzung. *Forstl. Mitt.* 4:51-53. Mar.20,1951. 99.8 F7725

75544 KHAILO, A. Group sowing of oak along the slopes of ravines. (In Russian.) *Lesn. Khoz.* 4:36-39. Jan.1951. 99.8 L5622

75545 KOLOSOVSKII, P. I. The marker and marking [in tree planting]. (In Russian.) *Lesn. Khoz.* 4(3):73-76. Mar.1951. 99.8 L5622

75546 KOPPENFELS, VON. Baumschulen von weltruf vor den toren Hamburgs. *Landpost* 5(21):10. May 25,1951. 18 L2348

Forest tree nurseries.

75547 KOSHCHEEV, A. L. Vegetative propagation of *Euonymus* with stem cuttings. (In Russian.) *Lesn. Khoz.* 4(3):46-49. Mar.1951. 99.8 L5622

- 75548 MCCULLEY, R. D. Release of seed source as a factor in loblolly pine management. Unit 37:16-20. June 1951. 99.9 Un34
- 75549 MARTIN, I. R. Jim plants his trees. Ala. Polytech. Inst. Agr. Ext. C. 418,7 p. Jan.1951. 275.29 AL1C
- 75550 MICHAELIDES, M. D. Collection of Cyprus forest seeds. Forest Treas. 7(2):15. Spring 1951. 99.9 C993
- 75551 MIKHEEV, S. D. Forest regeneration in cutting area cleared by mechanized hauling. (In Russian.) Lesn. Khoz. 4:53-57. Jan.1951. 99.8 L5622
- 75552 MOFFETT, A. A. Pre-sowing treatment of wattle [Acacia decurrens mollis] seed. Natal. U. Wattle Res. Inst. Rpt. 3:32-34. 1950, pub. Apr.1951. 99.9 N192
- 75553 MORK, E. How to satisfy the need for transplanted spruce plants. (In Norwegian.) Skogeleren 38:75. May 15, 1951. 99.81 Sk5
- 75554 MULLER, H. Die erziehung der waldbestände. 2. Grüne 79:10-14. Jan.5, 1951. 17 Sch9
- 75555 NASCIMENTO, F. M. DO. Aspects of the forestry problem in the Brazilian Northeast. (In Portuguese.) Brazil. Min. de Agr. B. 35(7/12):47-59. Ref. July/Dec. 1946, pub. 1950. 9.2 Ag83
- 75556 NAVARRO GARNICA, M. Repoblaciones en zonas secas. Montes 7:101-106. (Concl.) Mar./Apr. 1951. 99.8 M763
- 75557 PODHORSKI, I. The vegetative propagation of poplars with connected cuttings and curved sets. (In Croatian.) Sumarski List 75:157-164. Mar./Apr.1951. 99.8 Su6
- English summary.
- 75558 RIABININ, V. P. Retardation of development of [tree] seedlings in the spring. (In Russian.) Lesn. Khoz. 4(2):85-86. Feb.1951. 99.8 L5622
- 75559 RUBTSOV, A. M. Erroneous recommendations. (In Russian.) Les i Step' 2(11):45-47. Nov.1950. 99.8 L565
- On norms of sowing tree seeds.
- 75560 SAPANKEVICH, P. V. Nurse crops on Euonymus [verrucosus] plantations. (In Russian.) Lesn. Khoz. 4(3):51. Mar.1951. 99.8 L5622
- 75561 SARVAS, R. Tutkimuksia perä-pohjolan harsimalla hakattujen yksityismetsien luontaisesta uudistumisesta. Investigations into the natural regeneration of selectively cut private forests in northern Finland. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 38(1), 95 p. Ref. 1950. 99.9 F493
- English summary.
- 75562 SAVEL'EV, A. Effect of nurse crops on growth of [oak] seedlings in shelterbelts grown by the group method. (In Russian.) Lesn. Khoz. 4(3):13-19. Mar.1951. 99.8 L5622
- 75563 SAVKIN, T. E. Again on deep planting of pine. (In Russian.) Lesn. Khoz. 4(3):39. Mar.1951. 99.8 L5622
- 75564 SHIPULIN, A. On group sowing of trees in Novosibirsk Region. (In Russian.) Lesn. Khoz. 4:81. Jan.1951. 99.8 L5622
- 75565 SIMS, H. J. The natural regeneration of some trees and shrubs at Walpeup, Victorian Mallee. Victorian Nat. 68:27-30. June 1951. 410 V66
- 75566 TURČEK, F. J. The continental jay in relation to the oak and its distribution. (In Czech.) Lesn. Práce 29:385-396. Ref. Dec.1950. 99.8 L56
- English summary.
- 75567 VOLKOV, F. I. Confusion instead of usefulness. (In Russian.) Les i Step' 2(11):42-45. Nov.1950. 99.8 L565
- Discussion on norms of sowing forest seed.
- 75568 WAHLENBERG, W. G. Converting mountain brush to stands of pine timber. Forest Farmer 10(10):7. 14. July 1951. 99.8 F7692
- Clearing and planting the land.
- 75569 WIGGANS, C. C. Time for 'retreeing.' Nebr. Elect. Farmer 5(5):7. May 1951. 335.8 N27
- Tree planting.
- 75570 ZHARENKO, A. Z. Result of sowing shelterbelts by the group method. (In Russian.) Les i Step' 2(10):97-99. Oct.1950. 99.8 L565
- Forest Protection and Damage**
- 75571 DAY, W. R. The susceptibility to injury by experimental freezing of strains of European larch (Larix decidua Mill.) of varying geographical origin. Forestry 24:39-56. Ref. 1951. 99.8 F767
- 75572 LUTZ, H. J. Damage to trees by black bears in Alaska. J. Forestry 49:522-523. July 1951. 99.8 F768
- 75573 OLTHUIS, W. Defence against rabbits. (In Dutch. Nederland. Boschbouw-Tijdschr. 23:174. June 1951. 99.8 N28
- 75574 PEREZ ENCISO, M. Trasmochos en Guipuzcoa. Montes 7:114-118. Mar./Apr.1951. 99.8 M763
- Destructive aspects of fuelwood cutting.
- 75575 PINTER, F. Kleines handbuch über die wildbestände, wildschäden und deren verhütung, sowie über die einwandfreie wildschadensfeststellung in den Alpenländern. Villach, Stadler, 1950. 15 p. 411 P65
- 75576 PUENTE, J. M. DE LA. Efectos del pastoreo sobre la reproducción de arboles forestales. Tierra [México] 6:285-287, 317. May 1951. 8 T445
- 75577 UNTERBERGER, W. Wildschäden und werbungskosten. Forstarchiv 22:11-13. Feb.1951. 99.8 F7723
- Fire**
- 75578 BARROWS, J. S. Fire behavior in Northern Rocky Mountain forests. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Paper 29, 103 p. May 1951. 1.9622 N3St1
- 75579 BARROWS, J. S. Forest fires in the Northern Rocky Mountains. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Paper 28, 251 p. Ref. Apr.1951. 1.9622 N3St1
- Behavior and control.
- 75580 BORATH, R. Wie können wir helfen? Vorbeugende schutzmassnahmen und waldbbrandbekämpfung. Unser Wald 4(2):5-7. Feb.1951. 99.8 Un7
- 75581 BOSQUE, A. DEL. Prevención de incendios; Chihuahua, Durango y Michoacán prosiguen la campaña. Mensajero Forest. 9(80):11. Feb.1951. 99.8 M522
- 75582 CLARK, E. E. Smokejumpers—the quickest way to the fire. Pacific Discovery 4(4):4-14. July/Aug. 1951. 500 P112
- 75583 FUCHS, A. Es brennt im Jagd 34! Unser Wald 4(3):14-15. Mar.1951. 99.8 Un7
- Germany.
- 75584 HORNSMANN, E. Uns zur warnung! Entwaldung führt zu waldbänden und ueberschwemmungen. Unser Wald 4(4):9-10. Apr.1951. 99.8 Un7
- 75585 KELLER, H. Feuer zerstört nadelwälder leichter. Unser Wald 3(8):9. Aug.1950. 99.8 Un7
- 75586 KURBATSKII, N. P. On equipping the forestry enterprises with means for fire fighting. (In Russian.) Lesn. Khoz. 4(3):77-79. Mar.1951. 99.8 L5622
- 75587 OVERLIEN, E. Mosinee: the latest in forest protection. Wis. Conserv. B. 16(7):22-23. July 1951. 279.8 W752
- Forest fire control.
- 75588 PEPLER, W. A. E. Some suggestions for reducing fire hazards on our operations. Pulp & Paper Mag. Canada 52(8):115-116. July 1951. 302.8 P96
- 75589 PESTEREV, P. G. To limit the action of forest fires. (In Russian.) Lesn. Khoz. 4(3):80-83. Mar.1951. 99.8 L5622
- 75590 ROWLAND, H. B. Prevention pays off. Forest Warden News 25(2):1-2. Apr.1951. 99.8 F7643
- Forest fires.
- 75591 SALDARELLI, R. Prevenzione e lotta contro gli incendi boschivi [Prevention and control of forest fires]. Ed. 2. Palermo, Assessorato dell'Agricoltura e delle Foreste, Servizio Forestale, 1950. 31 p. 99.51 Sa3
- 75592 THOM, J. R. Fire and the forest. (Condensed.) Scot. Forestry 5:45-54. Apr.1951. 99.8 Sco3
- 75593 U. S. FOREST SERV. You can stop this shameful waste! Remember, only you can prevent forest fires! Washington, 1950. Poster. 1.8 F76Yo
- 75594 WEATHERBY, H. Your musket is a shovel and forest fires don't knock off for supper. Brit. Columbia Lumberman 35(7):49-50, 124. July 1951. 99.81 B77
- Forest Influences**
- 75595 BEHM, H. W. Der wald beherrscht die heimatflur. IV. Unser Wald 4(4):19-20. Mar.1951. 99.8 Un7
- 75596 FEDERICO, S. The regulation of mountain brooks in the field of legislation for depressed areas. (In Italian.) Foreste 3:33-40. Apr.1951. 99.8 F7694
- Italy.
- 75597 GOMES, P. On increasing river waters. (In Portuguese.) Bras. Açucareiro 36:584-586. Nov./Dec. 1950. 65.8 B73
- Includes forest influences.

- 75598 HACHENBERG, F. Wasserversorgung nur durch wald gesichert. Unser Wald 4(1):3-4. Jan.1951. 99.8 Un7
- 75599 IAKOVENKO, I. I. Shelterbelts in the effort for the harvest. (In Russian.) Les i Step' 2(11):79-80. Nov. 1950. 99.8 L565
- Effect on grain yields in Libknekht District, Stavropol Territory.
- 75600 KELLER, So hilft der wald. Unser Wald 4(2): 21. Feb.1951. 99.8 Un7
- 75601 KHARITONOV, G. A. On clearcutting in the southern groves of leafy forests in connection with their conservation importance. (In Russian.) Lesn. Khoz. 4(2): 45-48. Feb.1951. 99.8 L5622
- Effect on runoff.
- 75602 MADING, E. Der wald im wirkungsgefüge des landes. Unser Wald 4(4):18-19. Apr.1951. 99.8 Un7
- 75603 STECKHAN, H. Vom klima des wlandes. Unser Wald 4(1):18-19;(2):17-18. Jan.-Feb.1951. 99.8 Un7
- 75604 VASIL'EV, P. V. Economic importance of shelterbelts in steppes and deserts. (In Russian.) Les i Step' 2(11):48-54. Nov.1950. 99.8 L565
- Chiefly effect on yields of crops.

Miscellaneous Forest Uses

- 75605 ANDREA, E. D'. The forest, fountain of health. (In Italian.) Foreste 3:1-8. Feb.1951. 99.8 F7694
- 75606 CARLISLE, A. The deer in the north of Scotland. Arbor 1:101-104. 1951. 99.8 Ar17
- 75607 DUTTON, W. L. Management and administration of range lands in Japan. Supreme Commander Allied Powers. Nat. Resources Sect. Prelim. Study 60, 31 p. Ref. n.d. 280.9 Su72
- 75608 FRASER, A. Hill sheep and trees. Arbor 1: 88-90. 1951. 99.8 Ar17
- Scotland.
- 75609 HIAS, G. Problèmes poses par les travaux d'équipement hydro-électrique dans les Hautes-Pyrénées. Rev. Forest. Franç. 7/8:497-501. July/Aug.1951. 99.8 R329
- 75610 KENDEIGH, S. C., and others. Nature sanctuaries in the United States and Canada, a preliminary inventory. Living Wilderness 15(35):46 p. Winter 1950/51. 410 L76
- 75611 LAMMI, J. O. Use of economic principles in wild land management. J. Forestry 49:501-502. July 1951. 99.8 F768
- 75612 NIKLAS, W. Wald, wild und heimat. Unser Wald 4(2):1-2. Feb.1951. 99.8 Un7
- 75613 NUSSLEIN, F. Wald und wild. Unser Wald 3(11):6-7. Nov.1950. 99.8 Un7
- 75614 SIEKER, J. The future of forest recreation. J. Forestry 49:503-506. July 1951. 99.8 F768
- 75615 TAL'NOV, K. N. On organizing the landscape architecture and planning of a forest-park. (In Russian.) Lesn. Khoz. 4(3):63-66. Mar.1951. 99.8 L5622
- 75616 U. S. FOREST SERV. Winter sports use on national forests, 1950-51 season. Washington, 1951. 2 p. 1.962 A2W73

FOREST INDUSTRIES

- 75617 ALVARADO PIER, G. El Instituto Tecnológico de Chihuahua y su relación con las industrias forestales. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:59-62. 1950. 99.9 C7622
- 75618 DIETERICH, V. Versuch einer undogmatischen stellungnahme zum holzpreisproblem. Holz-Zentbl. 77: 457-458. Mar.31,1951. 99.81 H742
- 75619 DUBRÉ, M. R. Tour d'horizon du marché des bois français. Bois et Scieries 57:581,583,585. June 14,1951. 99.81 B632
- 75620 GUYOT, J. Ce qu'est l'industrie du bois aux Etats-Unis. Bois 68(11):1,3. June 10/15,1951. 99.82 B632
- 75621 HEINRICHS, W. Einschneidender strukturwandel am weltholzmarkt. Holz-Zentbl. 77:387-388. (Cont.) Mar.15,1951. 99.81 H742
- 75622 HEINRICHS, W. Die hölzerne stimme Schwedens; zur lage am internationalen holzmarkt. Holz-Zentbl. 77:331-332. Mar.6,1951. 99.81 H742
- 75623 HEINRICHS, W. Kanada and USA entscheiden die lage am weltholzmarkt. Holz-Zentbl. 77:495-496. Apr.7,1951. 99.81 H742
- 75624 HEINRICHS, W. Zur lage am weltholzmarkt. und im bundesgebiet. Holz-Zentbl. 77:877-878. June 14, 1951. 99.81 H742
- Germany.

- 75625 NATIONAL LUMBER MANUFACTURERS ASSOCIATION. The lumber industry. In Glover, J. G., and Cornell, W. B., eds. The development of American industries, Ed. 3, p.100-116. New York, Prentice-Hall, 1951. 277.12 G51
- 75626 SIEBERG, H. W. Um das berufsethos des holzkaufmanns. Holz-Zentbl. 77:471. Apr.3,1951. 99.81 H742
- 75627 WEYERHAEUSER TIMBER CO. DEPT. OF PUBLIC INFORMATION. Men, mills and timber; fifty years of progress in the forest industry. Tacoma, 1950. 50 p. 99.76 W54
- 75628 ZIPPERER, M. The crisis of wood for manufacturing. (In Portuguese.) Observador Econ. e Financ. 16(183):46-51. Apr.1951. 280.8 Ob72
- Brazil.

Lumbering

- 75629 CHIHUAHUA. SECRETARIA DE AGRICULTURA. Cosecha racional del bosque, troceo del arbolado y aserrío con sierra banda y sierras europeas. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:77-80. 1950. 99.9 C7622
- 75630 CROWE, W. S. Historical notes on Michigan's timber industry. Timber Prod. Assoc. B. 99:8; 100:8. June-July 1951. 99.9 T482B
- 75631 FERNANDEZ DE CASTRO, A. Problemas derivados de la escasez de equipo ferroviario para la movilización de maderas. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:27-29. 1950. 99.9 C7622
- Mexico.
- 75632 FLORES CALDERON, E. Necesidad de operar con maderas clasificadas. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:72. 1950. 99.9 C7622
- 75633 IAKOVENKO, A. For profitable operation of [Chermozskii] lumbering enterprise. (In Russian.) Lesn. Promysh. 10(12):24-25. Dec.1950. 99.82 L56
- 75634 IVAN'UTA, V. M. New method for marking logs [in grading]. (In Russian.) Lesn. Promysh. 10(12): 28-29. Dec.1950. 99.82 L56
- 75635 KENNEDY, W. B. Fast methods of unloading lumber from trucks. South. Lumberman 183(2289):78. Aug.15,1951. 99.81 So82
- 75636 KHRAMOV, N. Constant improvement of selection, placement and training of crews [for forestry work]. (In Russian.) Lesn. Khoz. 4(2):72-76. Feb.1951. 99.8 L5622
- 75637 KNAACK, K. Männer der axt und säge. Unser Wald 3(12):5-6. Dec.1950. 99.8 Un7
- 75638 KUTTIS, N. Soviet forestry & lumbering since the war. II. Timber Canada 11(12):25-27,63. (Cont.) Aug. 1951. 99.81 T487
- 75639 RAZOUS, P. Les débouchés des exploitations forestières françaises. Bois et Scieries 57:361-363, 383,385,421,423,425. (Cont.) Apr.19-May 3,1951. 99.81 B632

Lumbering Equipment

- 75640 AMEY, G. Le tracteur porte-treuil et ses possibilités en terrain difficile. Bois et Forêts des Trop. 16:354-368. Fourth Q.1950. 99.8 B632
- English summary.
- 75641 ARNSHTEIN, G. E., and OSIPOV, M. E. Mechanization of directing booms. (In Russian.) Lesn. Promysh. 10(12):15-18. Dec.1950. 99.82 L56
- 75642 FOBES, E. W. Automatic trip stakes. U. S. Forest Serv. Forest Prod. Lab. Impr. Harvesting Methods. Equip. Survey Notes. Rpt. R1637-45,2 p. May 1951. 1.9 F761R
- 75643 FOBES, E. W. Mobile pulpwood conveyor. U. S. Forest Serv. Forest Prod. Lab. Impr. Harvesting Methods. Equip. Survey Notes. Rpt. R1637-43,2 p. May 1951. 1.9 F761R
- 75644 FOBES, E. W. Skidding and bunching tractor. U. S. Forest Serv. Forest Prod. Lab. Impr. Harvesting Methods. Equip. Survey Notes. Rpt. 1637-42,1 p. May 1951. 1.9 F761R
- Modification of the "dozer" blade on logging tractors.
- 75645 FÖYN, P. Value of motor saw. (In Norwegian.) Skogelæren 38:99. June 15,1951. 99.81 Sk5
- 75646 GOLUBEV, V. F. A choker with two rings. (In Russian.) Lesn. Promysh. 10(12):14. Dec.1950. 99.82 L56
- For hauling logs.
- 75647 HEBBLETHWAITE, C. H. C. Sharpening sawing chains with a saw gulleting machine. Austral. Council Sci. & Indus. Res. Forest Prod. News Lct. 184:6-7. Jan./Feb.1951. 99.9 Au722F

75648 HOUTZAGERS, G. Mechanization in forestry. (In Dutch.) Landbode 5(21):1. May 26, 1951. 12 L234 Netherlands.

75649 JOHNSON, W. C. Tie loading machine used with success 21/2 years. Cross Tie B. 32(8):14,16,18,20. Aug. 1951. 99.82 C87

75650 KAZIMIRCHIK, P. Use of interchangeable collecting cables. (In Russian.) Lesn. Promysh. 10(12): 13. Dec. 1950. 99.82 L56
In log hauling.

75651 KORUNOV, M. M., and SHCHENNIKOV, P. M. Study of traction of KT-12 tractors during various methods of log hauling. (In Russian.) Lesn. Promysh. 10(12):6-7. Dec. 1950. 99.82 L56

75652 OLEKSENKO, A. R. Steam-driven automobile is needed in the logging industry. (In Russian.) Lesn. Promysh. 10(12):10-11. Dec. 1950. 99.82 L56

75653 SUCHKOV, A. Mechanization of log loading in Karelo-Finnish SSR. (In Russian.) Lesn. Promysh. 10(12):13-14. Dec. 1950. 99.82 L56

75654 SYCHEV, L. E., and KURIN, N. V. Hauling equipment for highway transportation of logs. (In Russian.) Lesn. Promysh. 10(12):7-10. Dec. 1950. 99.82 L56

75655 THEBIS, R. Schlepper helfen im wald. Tech. f. Bauern u. Gärt. Ausg. A 3:80-81. Feb. 10, 1951. 58.8 T223

Logging

75656 BENSON, A. W. B. Logging waste in eastern Canada. Timber Canada 11(12):31-33. Aug. 1951. 99.81 T487

75657 BERGESTAD, F. A simple gadget that may be of use in debarking while the sap is up. (In Norwegian.) Skogteieren 38:94. June 15, 1951. 99.81 Sk5

75658 CHERNIAK, KH. KH. Hauling of [felled] trees with tops. (In Russian.) Lesn. Khoz. 4:59. Jan. 1951. 99.8 L5622

75659 KANTZER, C. J. Short log operations Pacific County, Washington. Wash. Inst. Forest Prod. New Wood-Use Ser. C. 12,8 p. July 1951. 99.9 W278N

75660 KISHCHENKO, T. I. Overground log hauling with TL-3 winch. (In Russian.) Lesn. Promysh. 10(12): 11-12. Dec. 1950. 99.82 L56

75661 KORUNOV, M. M. On the amount of waste in the Ural pine plantations during transportation of whole [felled] trees. (In Russian.) Lesn. Khoz. 4:57-58. Jan. 1951. 99.8 L5622

75662 LABZOVSKI, G. A. Work on log transportation roads—on time sheet. (In Russian.) Lesn. Promysh. 10(12):27. Dec. 1950. 99.82 L56
Work management.

75663 METZ, Die leistungsentwicklung in der zweimannrotte. Forstl. Mitt. 4:25-26,45-46. Feb. 5, Mar. 5, 1951. 99.8 F7725

75664 MORIPEN, O. Objectives of forest technicians. (In Norwegian.) Skogteieren 38:32-33. Feb. 15, 1951. 99.81 Sk5

Instruction in cutting and classification of lumber.

75665 ORESHKIN, S. I., and BARYSHNIKOV, A. Transport of whole felled trees. (In Russian.) Lesn. Promysh. 10(12):3-5. Dec. 1950. 99.82 L56

75666 PERSHIN, A. A. On bark removal from Amur velvet tree [Gynura]. (In Russian.) Lesn. Khoz. 4(2):88-89. Feb. 1951. 99.8 L5622

75667 RASCH, O. A. Transportation problems in forestry. (In Norwegian.) Norsk Skogindus. 5:188-189. June 1951. 99.82 N81

75668 RODE, O. A Swiss cable system. (In Norwegian.) Skogteieren 38:28-29. Feb. 15, 1951. 99.81 Sk5
For log transportation.

75669 THIELMANN, K. Um die rohholzanfuhr; sind rückung und abfuhr des rohholzes durch den waldbesitzer zweckmässig? Holz-Zentbl. 77:512-513. Apr. 10, 1951. 99.81 H742

Sawmills

75670 BERMAN, I. The saw mill man's insurance problem. Ala. Lumberman 3(4):18-19,24. Apr. 1951. 99.81 AL1

75671 CAMPBELL, J. C. Diesel engines and sawmills. South. Lumberman 183(2289):76. Aug. 15, 1951. 99.81 So82

75672 CLAYTON, A. L. Rural electricity is vital to lumber mill. Rur. Electr. 9(11):27. Aug. 1951. 335.8 N21

75673 DARWIN, W. N., and THURMOND, A. K. Good management key to successful sawmilling. 2. Lumber Production costs. Forest Farmer 10(8):6,11. May 1951. 99.8 F7692

75674 DARWIN, W. N., and THURMOND, A. K. Good management key to successful sawmilling. 3. Sawmill profits and production costs. Forest Farmer 10(9):6,15. June 1951. 99.8 F7692

75675 DARWIN, W. N., and THURMOND, A. K. Good management key to successful sawmilling. 4. Sawmill profits and lumber values. Forest Farmer 10(10): 6,15. July 1951. 99.8 F7692

75676 FRANKSSON, R., ed. Praktisk sågverkshandbok [Practical sawmillers handbook]. Stockholm, Svensk Trävaru-tidning, 1950. 522 p. 99.76 F85

75677 HORDERN, R. H. Sawmilling practice. 7. Sawmill layout. Wood [London] 16:274-276. July 1951. 99.82 W855

75678 PIÉPAPE, C. DE. L'aménagement des grumes et l'évacuation des produits sciés dans une scierie moderne en Autriche. Rev. du Bois 6(7/8):6-8. July/Aug. 1951. 99.82 R32

75679 SHILLINGLAW, A. W. Development of sawmilling in Victoria. Austral. Timber J. 17:186,189-190, 192,194,196,198,200,202,205-206. Apr. 1951. 99.81 Au7

75680 TELFORD, C. J. Instructions on sawing hardwood logs and edging and trimming hardwood lumber for grade and value recovery. U. S. Forest Serv. Forest Prod. Lab. Rpt. R899-27,6 p. Feb. 1951. 1.9 F761R

Processing and Woodworking

75681 FESSEL, F. Probleme beim holzbiegen. Holz als Roh- u. Werkstoff 9:56-62. Ref. Feb. 1951. 99.81 H74

75682 HUNN, M. Mahogany by hand. Canad. Woodworker 51(7):34,52. July 1951. 99.82 C162

75683 HYLER, J. E. Woodworking knife and cutter application. XVIII. South. Lumberman 183(2289):63-64,66. Aug. 15, 1951. 99.81 So82

75684 KIVIMAA, E. Cutting force in woodworking. Finland. Valtion Tek. Tutkimuslaitos. Julkaisu 18,101 p. Ref. 1950. 330.9 F49

75685 LANGER, E. F. J. Der verspannungsmachine in de houtbewerking; leerboek [Vises in wood working; textbook]. Amsterdam, Van Manthem & De Does, 1950? 228 p. 99.77 L26

Seasoning, Conditioning and Finishing

75686 CAMPREDON, J. L'équilibre d'humidité du bois. Bois 68(8):1,3. Apr. 25/30, 1951. 99.82 B632

75687 GRATZL, A. Le séchage des bois à haute température. Rev. du Bois 6(7/8):19-22. July/Aug. 1951. 99.82 R32

75688 LEYVA ALVARADO, M. Secado a intemperie de maderas de pino. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:97-100. 1950. 99.9 C7622

75689 LEYVA ALVARADO, M. Venteos "rajaduras" superficiales y en las puntas. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:101-102. 1950. 99.9 C7622

75690 MCMILLEN, J. M. The seasoning of hickory lumber. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1794,7 p. May 1951. 1.9 F761R

75691 PECK, E. C. Air-drying of lumber. South. Lumberman 183(2288):45-46,48-50,52-55. Aug. 1, 1951. 99.81 So82

75692 PRINCE, R. E. Finishes for wood. Paint Indus. Mag. 66(7):9-10,12,19,21,23-25. July 1951. 306.8 D84

75693 RIETZ, R. C. What are some of the advantages and disadvantages of package-loaded kiln trucks? U. S. Forest Serv. Forest Prod. Lab. News & Views This Kiln Drying Business. Rpt. D1769-8,1 p. Jan. 1951. 1.9 F761R

75694 STEVENS, W. C. The seasoning of wood at temperatures below [i. e. above] the boiling point of water. Wood [London] 16:260-262. July 1951. 99.82 W855

75695 RIETZ, R. C. What is the cause of case-hardening in lumber and how can it be relieved? U. S. Forest Serv. Forest Prod. Lab. News & Views This Kiln Drying Business. Rpt. D1769-9,2 p. May 1951. 1.9 F761R

75696 TIEMANN, H. D. The kiln-drying of lumber. 32. Resistance meters. South. Lumberman 183(2289):60-62. Aug. 15, 1951. 99.81 So82

75697 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on wood finishing subjects. U. S. Forest Serv. Forest Prod. Lab. Rpt. R454,16 p. Feb. 1951. 1.9 F761R

75698 VILLIÈRE, A. Au Canada; tour d'horizon sur les problèmes de séchage. Rev. du Bois 6(7/8):16-18. July/Aug. 1951. 99.82 R32

Wood Preservation and Damage

- 75699 ANDRUS, S. R. Pole barn solves farmer's problem. Wood Preserv. News 29:77,81-82. June 1951. 300.8 W853
- 75700 BECKER, A. Holzschutz gegen bauholzerstörer. Landwirt. Z. der Nord-Rheinprov. 118:410. May 12, 1951. 18 L2344
- Molds and insect pests.
- 75701 BENNETT, R. G., and BINNS, E. J. Preservatives for transmission poles. (Excerpts.) Chem. Trade J. & Chem. Engin. 129:139-140. July 20, 1951. 382 C422
- 75702 BLEW, J. O., JR. Comparison of wood preservatives in Mississippi post study (1951 progress report). U. S. Forest Serv. Forest Prod. Lab. Rpt. R1757, 11 p. Apr. 1951. 1.9 F761R
- 75703 BLEW, J. O., JR. Comparison of wood preservatives in stake tests (1951 progress report). U. S. Forest Serv. Forest Prod. Lab. Rpt. D1761, 7 p. May 1951. 1.9 F761R
- 75704 BRUNN, G. Boric acid timber treatment is introduced to New Zealand. Austral. Timber J. 17:207-208. Apr. 1951. 99.81 Au7
- Used in Beilschmiedia tawa wood.
- 75705 HARROW, K. M. Impregnation of tawa (Beilschmiedia tawa Benth. and Hook. f.) with boric acid by diffusion. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32(4):28-38. Jan. 1951. 514 N48B
- 75706 HARROW, K. M. Leachability of some water-soluble wood preservatives. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32(6):33-40. Ref. May 1951. 514 N48B
- 75707 HARROW, K. M. Note on the soil moisture content used with the Leutritz technique for testing toxicity of wood preservatives against fungi. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32(4):39-40. Jan. 1951. 514 N48B
- 75708 HARROW, K. M. Preservative treatment of Pinus radiata D. Don by pressure impregnation with cold aqueous solution. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32:8-15. Mar. 1951. 514 N48B
- 75709 HARROW, K. M. Preservative treatment of tawa (Beilschmiedia tawa Benth. and Hook. f.) by pressure impregnation. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32:44-48. Mar. 1951. 514 N48B
- 75710 KNÜPPEL, F. C. Holzschutz in landwirtschaft und gartenbau. Tech. f. Bauern u. Gärt. Ausg. A 3:241-242. Apr. 25, 1951. 58.8 T223
- 75711 MCCASKIE, G. T. Treated wood as used by a public utility. Wood Preserv. News 29:72-74, 82-83. June 1951. 300.8 W853
- 75712 NARAYANAMURTI, D., and others. Studies on coal tar creosote as a wood preservative. II. First interim report on creosotes of Indian origin. Indian Forest B. New Ser. Comp. Wood & Wood Preserv. 144, 43 p. Ref. 1950. 99.9 In22B
- V. Ranganathan, R. Singh, T. R. Chandrasekhar, and A. Banerjee, joint authors.
- 75713 RIETZ, R. C. Salvaging cross ties in the flooded areas. Cross Tie B. 32(8):11-12. Aug. 1951. 99.82 C87
- How to avoid losses due to decay infection.
- 75714 SARDO, W. H., JR. Food container life extended by using wood preservatives. Wooden Box & Crate 13(3):26-29. May/June 1951. 99.82 W857
- 75715 SCHULZE, B., and THEDEN, G. Versuche mit einigen schutzstoffen gegen das verblauen von werkholz. Holz als Roh- u. Werkstoff 9:53-55. Feb. 1951. 99.81 H74
- 75716 SPILLER, D. Toxicity of arsenious oxide, sodium fluoride, zinc chloride, and some other materials, to the common house borer, Anobium punctatum De Geer. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32(3):1-7. Nov. 1950. 514 N48B
- 75717 STACEY, W. A. Aluminized fence posts. Wood Preserv. News 29:75-76. June 1951. 300.8 W853
- 75718 SUOLAHTI, O. Über untersuchungen betreffend holzfaule und holzschutz. Karstenia 1:74-76. 1950. 451 K14
- 75719 TINTO, J. C. Conservación de maderas. II. Mensajero Agr. 57/58:28. Jan./Feb. 1951. 9.8 M52
- 75720 VAKIN, A. T. Results of contests for new anti-septics and methods of wood preservation. (In Russian.) Lesn. Promysh. 10(12):19-20. Dec. 1950. 99.82 L56

FOREST PRODUCTS

- 75721 ALARCÓN M., A. Importancia del control que debe llevarse en la elaboración de productos labrados a hacha provenientes de maderas blandas. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:83-84. 1950. 99.9 C7622

- 75722 BEHM, H. W. Das holz unserer waldbäume im leben des menschen. Unser Wald 3(8):13,16; (11):10-11; 4(1):16-17. Aug., Nov. 1950, Jan. 1951. 99.8 Un7
- 75723 CANADA. DEPT. OF RESOURCES AND DEVELOPMENT. FORESTRY BR. FOREST PRODUCTS LABORATORIES DIV. Ottawa Laboratory-Vancouver Laboratory program of work, 1951-52. Ottawa, 1951. 73 p. 99.9 P94
- 75724 CONVENCION NACIONAL DE PRODUCTORES DE MADERAS DE PINO. Memoria, 4, 1950. Chihuahua, Mexico, 1950. 120 p. 99.9 C7622
- Published by the Asociación Nacional de Productores de Maderas de Pino
- 75725 HALL, W. T. The Timber Development Association. Arbor 1:98-100. 1951. 99.8 Ar17
- Scotland.
- 75726 HOFMANN, W. Holz als baustoff im mühlenbau. Müllerei 4:444-445, 461-462. (Cont.) June 30-July 7, 1951. 298.9 M91
- 75727 LÜNEBURG, O. Holzerzeugung ausserhalb des waldes. Unser Wald 3(6):12-13. June 1950. 99.8 Un7
- 75728 MERCIER, R. Comment mieux adapter la production des scieurs aux besoins des utilisateurs? Rev. du Bois 6(7/8):13-15. July/Aug. 1951. 99.82 R32
- 75729 MERRICK, G. D. Wood used in manufacture, 1948. U. S. Forest Serv. Forest Resource Rpt. 2, 66 p. May 1951. 1 F76Frr
- 75730 MOHAMMAD, S. A note on decorative timbers of Pakistan and economy in their use. Pakistan J. Forestry 1:144-147. Apr. 1951. 99.8 P17
- 75731 THOMSON, A. G. Uses for home-grown timber. Farmer & Stock-Breeder 65(3221):75. July 17, 1951. 10 F228
- 75732 VAROSSIEAU, W. W. Forest products research and industry in the United States. 2. Wood [London] 16:268-269. July 1951. 99.82 W855

Lumber and Rough Products

- 75733 CÁMARA NACIONAL DE LAS INDUSTRIAS FORESTALES. DELEGACION EN DURANGO. Estudio demostrativo de las ventajas de que los ferrocarriles utilizan durmientes aserrados en vez de labrados a hacha. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:63. 1950. 99.9 C7622
- 75734 HOLOPAINEN, V. Kivihien ja halkojen kilpailu suomessa vuosina 1927-1938. Competition between coal and firewood in Finland in 1927-1938. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 38(3), 71 p. Ref. 1950. 99.9 F493
- English summary.
- 75735 MANG, J. Zum rundholzverbrauch im bergbau. Unser Wald 3(7):23. July 1950. 99.8 Un7
- 75736 PÉREZ ARBELÁEZ, E. Traviesas de ferrocarriles en Colombia. Montes 7:123-125. Mar./Apr. 1951. 99.8 M763
- 75737 SCOTT, M. H. An unusually severe test for locally produced wooden shingles. So. African Forestry Assoc. J. 20:78-80. Apr. 1951. 99.9 So82

Building Construction

- 75738 KINZEY, B. Y., JR. Wood box columns and their design. Va. Polytech. Inst. Engin. Expt. Sta. Ser. 79, 24 p. Ref. July 1951. 290.9 V812

Veneers, Plywood and Adhesives

- 75739 BAILEY, N. Veneer and plywood. 11. Wood Working Digest 53:147-148, 150, 152, 154-155. Aug. 1951. 99.82 W87
- 75740 BERGIN, E. G. Polyvinyl resin emulsion wood-working glues. Canad. Woodworker 51(7):28-29, 54. July 1951. 99.82 C162
- 75741 BOCK, E. Prüfung von holzleimen. Holz als Roh- u. Werkstoff 9:62-71. Ref. Feb. 1951. 99.81 H74
- 75742 BOOTH, F. L. Plywood at the carnivals high-lights color, design. Veneers & Plywood 45(8):36-39. Aug. 1951. 99.82 V55
- 75743 CLARK, L. E., JR. Gluing as a factor affecting finishing. Wood Working Digest 53:121-125. Aug. 1951. 99.82 W87
- 75744 DIXON, H. F. Wood adhesives. 3. Canad. Woodworker 51(6):36, 70-71. Ref. June 1951. 99.82 C162
- 75745 EICKNER, H. W., and BLOMQUIST, R. F. Adhesives for bonding wood to metal. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1768, 15 p. Ref. Feb. 1951. 1.9 F761R

75746 EICKNER, H. W. A study of methods for preparing clad 24S-T3 aluminum-alloy sheet surfaces for adhesive bonding. III. Effect of cleaning method on resistance of bonded joints to salt-water spray. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1813-A, 6 p. Dec. 1950. 1.9 F761R

U. S. Air Force-Navy-Civil Subcommittee on Aircraft Design Criteria cooperating.

75747 ELLWOOD, E. L. The kiln drying and reconditioning of rotary peeled "ash" eucalypt veneer. Austral. Council Sci. & Indus. Res. Forest Prod. News Let. 182:1-2. Apr./May 1950. 99.9 Au722F

75748 GORDON, A., and HIGGINS, H. G. Glues from hydrochloric acid casein. Austral. Council Sci. & Indus. Res. Forest Prod. News Let. 182:4. Apr./May 1950. 99.9 Au722F

75749 GRAHAM, P. H. Honeycomb core gives best weight-strength ratio. Veneers & Plywood 45(8):14-16. Aug. 1951. 99.82 V55

75750 GREBER, J. M., LEHMANN, P. E., and WERTH, A. V. D. Die tierischen leime; geschichte, herstellung, untersuchung, verwendung und patentübersicht. Heidelberg, Strassenbau, Chemie und Technik Verlagsgesellschaft, 1950. 165 p. Ref. 309 G795

75751 KRPAN, J. The yield of beechwood rotary logs. (In Croatian.) Sumarski List 75:121-142. Mar./Apr. 1951. 99.8 Su6

English summary.

For plywood.

75752 MCCOLLAM, J. G. Finishing problems created by below-standard veneers. Veneers & Plywood 45(8):32-33. Aug. 1951. 99.82 V55

75753 PECK, E. C., and SELBO, M. L. Comparison of redwood and flat-grained yellow-poplar for cores in furniture panels. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1785, 10 p. Dec. 1950. 1.9 F761R

75754 PERRY, T. D. Gluing technique for wood. 7. Assembly joints. Wood Working Digest 53:75-78, 80-83. Aug. 1951. 99.82 W87

75755 PERRY, T. D. Pioneer plywood products. Wood Prod. 56(6):31-36. June 1951. 99.82 W856

75756 PERRY, T. D. Pioneer plywoods. Canad. Woodworker 51(7):26-27, 58-59. July 1951. 99.82 C162

75757 RITTER, E. J. Anwendungsbeispiele der hochfrequenztechnik in der deutschen holzindustrie. Holz-Zentbl. 77:497. Apr. 7, 1951. 99.81 H742

75758 SACHT, H. J. Moderne maschinen für die furnierherstellung. Holz als Roh- u. Werkstoff 9:20-26. Ref. Jan. 1951. 99.81 H74

75759 SEIDEL, G. A. A modern plywood plant. Wood Working Digest 53:133-136, 138, 140-143. Aug. 1951. 99.82 W87

75760 SMITH, M. Why not promote natural veneers? 1. The manufacturing aspect. Veneers & Plywood 45(8):22-24. (Cont.) Aug. 1951. 99.82 V55

75761 STANLEY, G. W., JR. Machining, handling and control of gluing. South. Lumberman 183(2288):57-58, 60. Aug. 1, 1951. 99.81 So82

75762 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on glue, glued products, and veneer. U. S. Forest Serv. Forest Prod. Lab. Rpt. R513, 18 p. May 1951. 1.9 F761R

75763 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. The manufacture of veneer. U. S. Forest Serv. Forest Prod. Lab. Rpt. R285, rev., 7 p. May 1951. 1.9 F761R

75764 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Veneer cutting and drying properties; pecan. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1766-5, 4 p. May 1951. 1.9 F761R

75765 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Veneer cutting and drying properties; western larch. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1766-4, 4 p. Apr. 1951. 1.9 F761R

75766 WINLUND, E. S. Improving radio frequency edge-gluing. Wood Working Digest 53(7):59-62, 64, 66, 68-73; (8):43-46, 48, 50, 52, 54-61. July-Aug. 1951. 99.82 W87

75767 WRIGHT, G. W. Waste wood boards and corestock; estimate of the possible fields for development and economics of manufacture in Australia. Austral. Council Sci. & Indus. Res. Forest Prod. News Let. 184:1-4. Jan./Feb. 1951. 99.9 Au722F

Furniture

75768 CONNELLY, H. H. New techniques for the modern furniture manufacturer. 2. Wood Working Digest 53:63-66, 68. Aug. 1951. 99.82 W87

75769 LEITCH, A. All-Canadian furniture now out of the woods. Canad. Woodworker 51(7):24-25, 56. July 1951. 99.82 C162

Containers

75770 BORSODORFF. West-Berliner kistenindustrie im wiederaufstieg. Holz-Zentbl. 77:481-482. Apr. 3, 1951. 99.81 H742

75771 COZZO, D. Las maderas para cajoneria. Chacra 21(249):30. Aug. 1951. 9 C34

75772 LENS, G. Barrel staves of chestnut. (In Italian.) Terra e Sole 107:259-260. July 1951. 16 T273

75773 MESQUITA, G. S. DE. Contribution to the study of the possibility of making packing boxes with Angolan timbers. (In Portuguese.) Agron. Angolana 4:141-157. 1950. 24 Ag83

English summary.

75774 WAGNER, J. B. Crozing and chamfering barrels. Barrel & Box & Packages 56(7):6-7. July 1951. 99.82 B27

Pulp and Paper

75775 AASETH, A. L. Prices obtained for pulp, cellulose and paper exported during the years 1922-1950. (In Norwegian.) Skogbrukeren 26:145-146. June 1, 1951. 99.8 Sk54

75776 ALANDER, P. The relationship between different cooking degree numbers and some factors influencing this relationship. (In Swedish.) Papperi ja Puu. B 33:229-231. Ref. July 15, 1951. 302.8 P1991

75777 AMERICAN PAPER AND PULP ASSOCIATION. The pulp and paper industry. In Glover, J. G., and Cornell, W. B., eds. The development of American industries, Ed. 3, p. 519-542. New York, Prentice-Hall, 1951. 277.12 G51

Includes pulpwood.

75778 ARMSTRONG, G. S., & CO. The pulp, paper and board industry. New York, 1951. 82 p. (An Engineering Interpretation of the Economic and Financial Aspects of American Industry, v. 9) 302 Ar5

75779 CHAMPION PAPER AND FIBRE CO. Annual report, 58, fiscal year ended March 31, 1951. Hamilton, Ohio, 1951. 24 p. 302.9 C35

75780 DAVID, P. A. Canton and pacol, two promising sources of pulp for the manufacture of kraft paper and newsprint in the Philippines. Philippine Agr. 34:54-58. July/Sept. 1950. 25 P542

75781 ELNAES, H. The timber top-log end-slip? (In Norwegian.) Skogeieren 38:24-25. Feb. 15, 1951. 99.81 Sk5

75782 HOWARD, E. J. Sulphur reactions in sulphite cooking. II. Pulp & Paper Mag. Canada 52(8):91-97. July 1951. 302.8 P96

* Spruce wood.

75783 HUNT, L. G., and PHELPS, J. M. Paper pulp. Gt. Brit. Colon. Devlpmt. Corp. Colon. Devlpmt. 1(5):31-33. Spring 1951. 280.9 G7933C

Wood sources in British colonies.

75784 KILPPER, W. Eignungsvergleich zwischen baumwolle- und leinenhadern und holzzellstoffen. Papier 5:251-256. (Cont.) June 30, 1951. 302.8 P1934

75785 LEMAIRE, C. Impressions suédoises. Bois 68(8):1, 3. Apr. 25/30, 1951. 99.82 B632

Chiefly pulpwood situation.

75786 MANION, J. P. French pulp and paper supply is critically low this year. Foreign Trade 10:107. July 28, 1951. 286.8 C162

Includes statistics of wood pulp.

75787 PEDRO, S. DE. La celulosa de agotados de madera de castaño. Spain. Inst. Forest. de Invest. y Exper. B. 21(53), 12 p. 1950. 99.9 Sp1

75788 PERO, H. Hot air drying of pulp. (In Finnish.) Papperi ja Puu. B 33:232-235. July 15, 1951. 302.8 P1991

English summary.

75789 RISI, J. L'utilisation des essences feuillues dans la fabrication des pâtes et papiers. Forêt et Conserv. 3:191-194, 196-201. Ref. Apr. 1951. 99.8 F792

75790 SAJA, F. Poplar and paper. (In Italian.) Cron. Econ. 99:19-23. Mar. 1951. 280.8 C882

Use of poplar wood for paper manufacture.

75791 SHERMAN, W. A. Use of sulphite waste liquor as road binder. Paper Mill News 74(32):10, 12, 14, 16, 20, 22. Aug. 11, 1951. 302.8 P195

75792 TURCOTTE, L. P. The pulp situation. Pulp & Paper 25(9):44. Aug. 1951. 302.8 P11

- 75793 VINCENT, R. Non-paper cellulose: rayon, cellophane, plastics, etc. Pulp & Paper 25(7):134,136, 138,140. June 30,1951. 302.8 P11
- 75794 WARDROP, A. B., and DADSWELL, H. E. Structure and properties of wood fibres. (Abs.) World's Paper Trade Rev. 136:230,232. July 26,1951. 302.8 W89
- 75795 WATSON, C. A. The sources of wood dirt in unbleached pulp. Tappi 34:311-313. July 1951. 302.8 T162
- 75796 WEST, C. J. Papermaking materials. II. Bast fibers. Inst. Paper Chem. Bibliog. Ser. 176,74 p. Aug. 1950. 241.4 Ap5
- 75797 WEST, C. J. Pulping processes. III. Ammonia, magnesium, and sodium bases for sulfite pulping. Inst. Paper Chem. Bibliog. Ser. 174,97 p. Jan.1950. 241.4 Ap5

Chemical Products and Distillates

- 75798 BEGLINGER, E. Distillation of resinous wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R496,rev.,7 p. May 1951. 1.9 F761R
- 75799 HILBERT, F. L. Spruce extract; an analysis and prediction made 30 years ago proves true. Leather & Shoes 122(4):8,32. July 28,1951. 303.8 H53
- For tanning.
- 75800 LEWIS, H. C. Distillation of wood and coal by the fluidized powder process. Res. Engin. 1:5-6,17-19. May 1951. 470 R312
- 75801 MACDONALD, J. F. Argentina's quebracho industry; its resources dwindling—but still supply for 150 years. Leather & Shoes 122(3):12,46-48. July 21,1951. 303.8 H53
- 75802 NATAL. UNIVERSITY. WATTLE RESEARCH INSTITUTE. Report for 1950 (third year). Pietermaritzburg,1951. 35 p. 99.9 N192
- Acacia decurrens mollis.

Naval Stores

- 75803 CLEMENTS, R. W. Field supervision important when using bark chipping and acid. AT-FA Journal 13(10):13,16. July 1951. 309.8 Am3
- 75804 DONNELL, B. Turpentine in Honduras. Nav. Stores Rev. 61(17):14. July 28,1951. 99.81 N22
- 75805 MIROV, N. T. Composition of gum turpentine of pines: a report on Pinus echinata, P. rigida, and P. ponderosa from Utah. Amer. Pharm. Assoc. J. Sci. Ed. 40:410-413. Aug.1951. 396.9 Am33J
- 75806 STRANGE, J. D. Increase use of chemical stimulation. Forest Farmer 10(9):10. June 1951. 99.8 F7692
- 75807 STRANGE, J. D. Selective cupping practice pays. Forest Farmer 10(8):8. May 1951. 99.8 F7692
- 75808 STRANGE, J. D. Use of chemical stimulation increases, conservation program inspectors report. AT-FA Journal 13(10):10-11. July 1951. 309.8 Am3

Other Forest Products

- 75809 CABRITA, H. Portuguese "gold." (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 13:57-58. Jan.1951. 309.9 J96
- Cork.
- 75810 CAMPREDON, J. Le bois, matériau isolant. Bois 68(13):1,3. July 10/15,1951. 99.82 B632
- 75811 COMPANÍA MADERERA DE DURANGO. Industrialización de los últimos residuos resultantes del aserrado. Conv. Nac. de Prod. de Maderas de Pino. Mem. 4:35-36. 1950. 99.9 C7622
- Hardboard and distillates.
- 75812 DELISLE, R. Ne recherchez pas le côté branchu. Forêt et Conserv. 3:233. Apr.1951. 99.8 F792
- Tapping Acer saccharum.
- 75813 FERNÁNDEZ R., J. No solo es factible sino conveniente producir nuestros árboles de Navidad. Mensajero Forest. 9(80):10-11. Feb.1951. 99.8 M522
- 75814 GONÇALVES, P. A. Pines for Christmas trees. (In Portuguese.) Rev. Agron. [Porto Alegre] 15(169/173): 24. Jan./Apr.1951. 9.2 R325
- Various types of Coniferae used.
- 75815 GORDON, W. A. The Christmas tree market. Forest Treas. 7(2):13-14. Spring 1951. 99.9 C993
- 75816 HOHF, J. P. Board materials from sawdust and shavings. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1665-21,2 p. May 1951. 1.9 F761R

- 75817 KOLESNIKOV, S. N., and others. Production of briquettes from wood waste. (In Russian.) Lesn. Promysh. 10(12):20-22. Dec.1950. 99.82 L56
- S. E. Mel'nikov, N. G. Sheshukov, and A. V. Ktorov, joint authors.
- 75818 MARTINS, C. M. A. Economic policy about the United States. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 13:59-63. Jan.1951. 309.9 J96
- English summary, p. xi-xiv. U. S. market for Portuguese cork.
- 75819 ROTTIER, J. M. The walking tree farm. Timber Prod. Assoc. Mon. B. 6(9):12-13. May 1951. 99.9 T482
- A farm in Minnesota supplies basswood [Tilia] for artificial limbs.
- 75820 SIMONS, E. Redwood bark fiber insulation—its properties and application. Refrig. Engin. 59:782-787, 816. Ref. Aug.1951. 295.9 Am32J
- 75821 TAVARES, F. DE S. Portuguese-French cork trade. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 13:99-102. Feb.1951. 309.9 J96
- French text, p. 7-10 at end.
- 75822 WEIGEL, A. S. Developments in spreader-firing wet wood. Amer. Soc. Mech. Engin. Trans. 73:845-848. Aug.1951. 291.9 Am3T

WOOD TECHNOLOGY

- 75823 ARMSTRONG, F. H. Resistance to wear of musine [Croton megalocarpon] as flooring. Wood [London] 16:258-259. July 1951. 99.82 W855
- 75824 BAILEY, N. Know your wood: poplar. Wood Working Digest 53:93-95. Aug.1951. 99.82 W87
- 75825 ENKVIST, T., and KAHILA, S. Katalytisk framställning av smörjolja ur tallolja och talloljebeck (catalytic production of lubricating oil from crude tall oil and tall oil pitch). Teollisuuden Keskuslab. Tiedonantoja 77, 23 p. Ref. 1951. 330.9 T26
- English summary.
- 75826 ERDMANN, Holz oder kunststoff? Was sind kunststoffe? Holz-Zentbl. 77:471. Apr.3,1951. 99.81 H742
- 75827 GIORDANO, G. Il legno e le sue caratteristiche [Wood and its characteristics]. Milano, Hoepli, 1951. 760 p. (Tecnologia del Legno) 99.79 T22
- 75828 GUILLEMONAT, A. Le bois, matière première de la chimie moderne. Ed. 2. Paris, Dunod, 1950. 135 p. (Études de Synthèse et de Documentation, l'Actualité Technique) 99.79 G942
- 75829 JOHNSTON, D. R. Structure drawings to "specimen woods." 1. Indian laurel [Terminalia tomentosa], "Queensland walnut" [Endiandra palmerstonii], western red cedar [Thuja plicata], sapele [Entandrophragma cylindricum]. Wood [London] 16:264. July 1951. 99.82 W855
- 75830 LAMB, G. N. Foreign woods; origin, use, properties and nomenclature. Wood Prod. 56(6):42-43. June 1951. 99.82 W856
- 75831 LINDGREN, B. O. Group B in lignin. Acta Chem. Scand. 5:616-620. Ref. 1951. 385 Ac82
- 75832 LINDGREN, B. O. Treatment of spruce [Picea abies] lignin with sulphite solutions at pH 4-9. Acta Chem. Scand. 5:603-615. Ref. 1951. 385 Ac82
- 75833 MOURANCHE, R. Note sur les bois de Fagus et de Nothofagus. Rev. Internatl. de Bot. Appl. d'Agr. Trop. 31:84-90. Ref. Jan./Feb.1951. 26 R323
- 75834 OLSSON, G., and BRANDBERG, Å. On the identification of rosin acids from wood tar. (In Swedish.) Svensk Kem. Tidskr. 63:73-90. Ref. 1951. 385 Sv22
- English summary.
- 75835 STEWART, C. M., and others. The selection and preparation of a reproducible wood sample for chemical studies. (Abs.) World's Paper Trade Rev. 136:235. July 26,1951. 302.8 W89
- D. H. Foster, W. E. Cohen, R. T. Leslie, and A. J. Watson, joint authors.
- 75836 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on the growth, structure, and identification of wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R177,21 p. Feb.1951.
- 75837 ZAITSEVA, A. F., and NIKITIN, N. I. Water hydrolysis of oak wood. (In Russian.) Zhur. Prikl. Khim. 24:392-403. Ref. Apr.1951. 385 Z64

Properties and Structure

- 75838 BISSET, I. J. W. Why does wood shrink? Austral. Council Sci. & Indus. Res. Forest Prod. News Let. 184:5-6. Jan./Feb. 1951. 99.9 Au722F
- 75839 BJØRNSTAD, E. Knekningsproblemet [The breaking problem]. Oslo, Eckardt, 1950. 56 p. 290 B552 Staves.
- 75840 CAMPREDON, J. La veine rouge des résineux. Bois 68(11):1,3. June 10/15, 1951. 99.82 B632
- 75841 CHATTAWAY, M. M. What wood is this? Austral. Council Sci. & Indus. Res. Forest Prod. News Let. 182:3-4. Apr./May 1950. 99.9 Au722F
- 75842 KEYLWERTH, R. Spalten, spaltbeanspruchung und quereigenschaften des holzes. Holz als Roh- u. Werkstoff 9:1-7. Jan. 1951. 99.81 H74
- 75843 KRAEMER, J. H. The effects of three factors upon the cross-breaking strength and stiffness of red pine. Ind. Agr. Expt. Sta. B. 560, 20 p. Ref. June 1951. 100 In2P
- 75844 MÖRSDORF, J. Das Holz; eine roh- und werkstoffkunde der holzverarbeitenden berufe. Berlin, Duncker & Humblot, 1950. 187 p. 99.79 M83
- 75845 RUNKEL, R. O. H. Zur kenntnis des thermo-plastischen verhaltens von holz. I. Holz als Roh- u. Werkstoff 9:41-53. Ref. Feb. 1951. 99.81 H74
- 75846 SCOTT, M. H., and DU PLESSIS, C. P. The qualities of the wood of *Pinus taeda* grown in South Africa. So. African Forestry Assoc. J. 20:19-30. Apr. 1951. 99.9 So82
- 75847 SIIMES, F. E., and JOHANSSON, P. E. Nau-lattuihin palkkeihin käytetyn sahatavaran laadun vaikutuksesta palkkien lujuusominaisuuksiin. On the influence of the quality of sawn timber on the strength properties of nailed I-beams. Finland. Valtion Tek. Tutkimuslaitos. Tiedoitus 67, 14 p. 1950. 330.9 F49T
English summary.
- 75848 SUSMEL, L. Dimensions et proportions des éléments histologiques dans le bois de *Picea excelsa* Link. (In Italian.) Italia Forest. e Mont. 6:67-75. Ref. Mar./Apr. 1951. 99.8 It12
French summary.
- 75849 THUNELL, B. Fortschritte bei der z. a. sp. anungsforschung von holz. Holz als Roh- u. Werkstoff 9:11-20. Ref. Jan. 1951. 99.81 H74
- 75850 WACEK, A. V., and SCHROTH, D. Über die analyse eines tropenholzes (*Entandrophragma utile*) und die bestimmung des ligningehalts von hölzern. Holz als Roh- u. Werkstoff 9:7-11. Ref. Jan. 1951. 99.81 H74
- 75851 WOOD, L. W. Formulas for columns with side loads and eccentricity. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1782, 17 p. Nov. 1950. 1.9 F761R
- 75852 WOOD, L. W. Variation of strength properties in woods used for structural purposes. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1780, 11 p. Dec. 1950. 1.9 F761R
- 75853 WUOLIJOKI, J. R. Zur schwingungstheorie des kragbalkens unter besonderer berücksichtigung des schubmoduls. Finland. Valtion Tek. Tutkimuslaitos. Julkaisu 20, 10 p. 1950. 330.9 F49
English summary.

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 75854 BYERLY, T. C. Improvement of livestock through breeding. Canad. Soc. Anim. Prod. East. Sect. Rpt. Proc. 15:26-32. 1950. 49.9 Ea72
- 75855 CHAPMAN, L. T. Improving livestock by breeding. Family Herald & Wk. Star 82(24):7, 17. June 14, 1951. 7 F21
- 75856 FISCHER, H. Einiges über missbildungen und erbliden in der haustierzucht. Tierzucht 5:16-17. Jan. 1951. 49 T443
- 75857 GENNARI, G. Practical considerations on the artificial insemination of livestock. (In Italian.) Avvenire Agr. 59:148-149. June 1951. 16 Av9
- 75858 KÖNIG. Die allgäuer tierzucht im jahre 1950. Allgäuer Bauernbl. 19:349-350. June 28, 1951. 18 AL53
- 75859 LISKUN, E. F. Achievements in Soviet animal husbandry. Agr. Econ. 2(6):27, 31. Feb./Mar. 1951. 281.8 Ag832
Genetics.

- 75860 PAPP, E. Inseminación artificial. Agr. Trop. 6(7):23-30. July 15, 1950. 26 Ag8
- 75861 PHILLIPS, R. W. Livestock and the conservation of natural resources. (In Portuguese.) Rev. Agron. [Porto Alegre] 15(169/173):29-33. Jan./Apr. 1951. 9.2 R325
Livestock breeding for best adaptation and use of pasture resources.
- 75862 PINCUS, G. Recent experimental studies in mammalian reproduction. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:63-66. Ref. May 1951. 44.9 N4833
- 75863 POMEROY, R. W. General principles of animal breeding: pedigree and inbreeding. Brit. Farmer 36:13. June 30, 1951. 281.8 B77
- 75864 QUITTET, E. Limitations of artificial insemination. (In Portuguese.) Agr. e Pecuaria 32(330):26, 28-29. Mar. 1951. 9.2 Ag89
- 75865 RIVIERE, H. A. Pre-natal influence on stock colors. Canad. Cattlemen 14(5):29. May 1951. 49 C16
- 75866 ROTTER, G. Mehr breitenarbeit bei der förderung der tierzucht. Tierzucht 5:1-2. Jan. 1951. 49 T443
- 75867 SANCHEZ BELDA, A. Reseña de animales. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 12, 11 p. July 1950. 15 H68
- 75868 SCHILLING, E. Sind kryptorchide tiere zuchttauglich? Deut. Kleintier-Züchter 6(2):10-11. Jan. 20, 1951. 49 Su22
- 75869 SIMONPIETRI, R. H. Las hormonas en la inseminación artificial. Chacra 21(249):19. Aug. 1951. 9 C34
- 75870 STEWART, A. M. New ideas in animal breeding. Westralian Farmers Co-op. Gaz., Stud Stock Sup., May 1951:12-13, 15-17, 19, 21, 23, 25, 27. 280.28 W522
Genetics.
- 75871 WEIR, J. A. The art and science of animal breeding. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:52-56. 1950. 49.9 C166

FEEDS AND FEEDING

- 75872 ACKERSON, C. W. Old beans and new; the road of progress in soybeans for livestock feeding. Feed Age 1(5):16-18, 54. May 1951. 389.78 F327
- 75873 ALMQUIST, H. J. Nutrition. Annu. Rev. Biochem. 20:305-342. Ref. 1951. 381 An7
Has particular reference to domestic animals.
- 75874 ARCHIBALD, J. G., and others. Quality in roughages. I. Factors which influence hay composition and quality. J. Dairy Sci. 34:656-668. Ref. July 1951. 44.8 J822
J. Bart, M. L. Blaisdell, and A. F. Spelman, joint authors.
- 75875 BATTISTELLI, E. Ensiling of forages. (In Italian.) Cron. Econ. 99:41-42. Mar. 1951. 280.8 C882
- 75876 BECHTEL, H. E. The fabulous antibiotics—life accelerators. Grain & Feed Rev. 40(12):18, 20, 55-56. Aug. 1951. 280.28 C78
Includes the animal protein factor and vitamin B12 in animal nutrition.
Similar title in Feedstuffs 23(32):18-22. Aug. 11, 1951. 286.81 F322
- 75877 BELTRANDO, J. Propos sur l'ensilage; le silo-cage. B. des Engrais 329:49-52. Mar. 1951. 57.8 B87
- 75878 BERESFORD, R. Can you feed for gain-no margin? Successful Farming 49(8):44-45, 113-115. Aug. 1951. 6 Su12
- 75879 BIGNOLI, D. P. New methods for the utilization of feeds. (In Portuguese.) Agr. e Pecuaria 22(331):64, 66. Apr. 1951. 9.2 Ag89
- 75880 BIRD, H. R. Antibiotic growth stimulants. Science 114(2951):3. July 20, 1951. 470 Sc12
For livestock.
- 75881 BOHSTEDT, G. Feeding potatoes to farm animals. Badger Common 'Tater 4:11-14. May 1951. 75.8 B14
- 75882 BOHSTEDT, G. Some new developments in livestock and dairy feeding. Grain & Feed J. Consolidated 107:25-26. July 11, 1951. 298.8 G762
Also in Grain & Feed Rev. 40(12):16, 57. Aug. 1951. 280.28 C78
- 75883 BOYER, M. E. Nutrition has important role in veterinary medicine. Fort Dodge Bio-chem. Rev. 22(1):3-5. July 1951. 41.8 F772
- 75884 BREIREM, K. Whey as feed. (In Norwegian.) Meieriposten 40:428-434. (Cont.) June 16, 1951. 44.8 M47

- 75885 BRÜGGEMANN, H. Vom kot zur kost. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1026. July 12, 1951. 18 L2346
Animal protein factor.
- 75886 CHAMPEVAL, A. Alimentation du bétail; le choix d'une méthode vraiment rationnelle. Voix des Colons 33(1609):1. May 21, 1951. 24 V85
- 75887 COMBERG, G. Die winterfütterung. Tierzucht 5:9-11, 14. Jan. 1951. 49 T443
- 75888 CONLON, J. You gain by replacing roots by sugar beet. Beet Grower 5:125-126. July 1951. 66.8 B392
Silage is recommended for by-products used as feed.
- 75889 CORRIE, F. E. Feeding farm animals. 45-46. Fert. Feed. Stuffs & Farm Supplies J. 37:433-434, 467-468. July 11-25, 1951. 57.8 F413
- 75890 CROMBIE, B. Introducing fodder beet—it will replace the mangel crop. Beet Grower 5:80-85. July 1951. 66.8 B392
Compared with sugar beets as feed for stock.
- 75891 DALE, N. C. Making and preserving grass silage. Susquehanna-Wyo. Farm & Home News 4(5):5. June 1951. 6 Su82
- 75892 EBERLI, O. Ueber die säuerung von pflanzen-säften. Grüne 79:635-638. June 8, 1951. 17 Sch9
- 75893 EICHBERG, J. Soybean lecithin for feeding. Soybean Digest 11(9):18-19. July 1951. 60.38 So9
- 75894 ESKUCHEN, Elweissfutter süßlupine. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1031-1032. July 12, 1951. 18 L2346
Nutritive value.
- 75895 FAILLY, H. Cultivateurs! C'est le moment d'ensiler vos trèfles. Paysan d'Ille-et-Vilaine 4(84):4. May 1951. 14 P293
- 75896 FARIAS, J. A. DE. Agave in animal nutrition and for the manufacture of celotex and cellulose. (In Portuguese.) Seleç. Agr. 6(61):82, 84. May 1951. 9.2 Se4
- 75897 FREITAS, H. DE. The feeding of herds in periods of drought. (In Portuguese.) Seleç. Agr. 6(61):41-43. May 1951. 9.2 Se4
- 75898 FREITAS, H. DE. Problems of animal nutrition (In Portuguese.) Seleç. Agr. 6(60):47-48. Apr. 1951. 9.2 Se4
- 75899 GEHRKE, C. W., and others. The quantitative determination of chromic oxide in feeds and feces; an improved method applicable in digestibility studies with farm animals. Mo. Agr. Expt. Sta. Res. B. 469, 16 p. Dec. 1950. 100 M693
D. T. Mayer, E. E. Pickett, and C. V. Runyon, joint authors.
- 75900 GEUZE, M. A. Once again: chopped silage. (In Dutch.) Zeeuwisch Landtbl. 39(2078):4. July 7, 1951. 12 Z2
- 75901 GIESECKE, F. Mineralstoffe als fütterungs-sicherungs-zusätze. Hannoversche Land- u. Forstwirt. Ztg. 103:1137-1138. Dec. 16, 1950. 18 H194
- 75902 GILCH. Unkräuter auf grünland minderwertig? Deut. Kleintier-Züchter 6(2):9-10. Jan. 20, 1951. 49 Su22
- 75903 GROOT, H. DE. Ensiling and the weather. (In Dutch.) Overijsselsch Landtbl. 33(1604):5. May 12, 1951. 12 Ov2
- 75904 HART, G. H. Nutrition in relation to disease. Grain & Feed J. Consolidated 107:27-31. July 11, 1951. 298.8 G762
Livestock.
- 75905 HERZIG, J., ŠKORPIK, P., and NAKLÁDAL, J. The digestibility and feeding value of the clover-and-grass hay. (In Czech.) Českoslov. Akad. Zeměděl. Sborn. 23: 266-275. Mar. 1951. 19.5 C332C
English summary.
- 75906 HOLDER, R. The fishery by-product. Feed Age 1(2):45-48. Feb. 1951. 389.78 F327
- 75907 HORNICH, H. Ist milch wirklich das billigste futtermittel? Pflug 4:109-110. May 1951. 19 P48
- 75908 JORNLIN, F. M. Urea, its use in ruminant feeds. Grain & Feed J. Consolidated 107(2):30-31. July 25, 1951. 298.8 G762
- 75909 KARON, M. L. Cottonseed nutrition investigations at the Southern Regional Research Laboratory. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p. 23-27. New Orleans, 1951. 1.9321 S2P942
Includes discussion.
Investigations with cottonseed meals.
- 75910 KLEIN, F. Die nährstoffe des tierkörpers. Deut. Kleintier-Züchter 6(3):6-7. Feb. 5, 1951. 49 Su22
- 75911 KNOTT, C. B. Preserving forage crops with sulfur dioxide. Dairymen's Price Rptr. 33(8):1, 7. Aug. 1951. 280.28 D14
- 75912 KRINGSTAD, H., and ULVESLI, O. Ensilage of grain malting waste. (In Norwegian.) Norsk Landbr. 17:260-262. July 6, 1951. 11 N8122
- 75913 KROGH, R. Laboratory experiments with use of formic acid in the preparation of alfalfa silage. (In Danish.) Nord. Jordbrforsk. 1949/50:275-282. 1951. 11 N752
- 75914 KUMMER, H. Bezeichnung und wertbeurteilung der kleien, bollmehle, futtermehle und nachmehle. Württemb. Wchnbl. f. Landwirt. 118:604-605. July 28, 1951. 18 W96
Value as feed.
- 75915 LA BORDE, F. DE. Un nouveau système d'ensilage: le procédé Frigieri. B. des Engrais 329: 53-54. Mar. 1951. 57.8 B87
- 75916 LEE, B. Antibiotics in animal nutrition. Cent. Exch. Messenger 6(4):31. July 1951. 280.28 C33
- 75917 LEIBOFF, R. O. Ensilage de maiz, sorgo y alfalfa. Cent. Region. Pampeano de Invest. Agropecuarias Mem. de la Reunión de Plantas Forrajeras 3:185-192. 1950. 60.9 P41
Includes discussion.
- 75918 LONNEMARK, H. Preparation of silage from forage plants is made in many different ways in USA; some impressions from studies in the States of New York and Michigan. (In Swedish.) Lantmannen 35:601-602. Aug. 4, 1951. 11 L234
- 75919 MCKEEHEN, J. E. Making and preserving grass silage. Lackawanna-Wayne Farm & Home News 3(7):13. June 1951. 6 L11
- 75920 MANCHESTER UNIVERSITY. AGRICULTURAL ECONOMICS DEPT. Costs of silage production 1950; results of an investigation in the North-Western Province. Manchester. U. Agr. Econ. Dept. B. 62/EC33, 14 p. June 1951. 10 V66
- 75921 MANGOLD, E. Richtlinien zur methodik der verdaulichkeitsprüfung der futtermittel an landwirtschaftlichen nutztieren. Arch. f. Tierernähr. 1:188-191. Nov./Dec. 1950. 389.78 Ar22
- 75922 MASCAGNI, O. Feeding of livestock. (In Italian.) Agr. Tosc. 6:171-183, 222-225. (Cont.) May-June 1951. 16 Ag827
- 75923 MATURANA, A. Ensilage. Esnea 38(1628):4. June 24, 1951. 44.8 Es5
- 75924 MEXICO. CENTRO NACIONAL DE AGRONOMIA. La utilización de la pulpa seca del café como alimento para el ganado en los países tropicales de América. Campo [Tacuba] 19(710):72-73. Apr. 30, 1951. 8 C157
- 75925 MOON, F. E., and RAAFAT, M. A. Some biochemical aspects of bracken 'poisoning' in the ruminant animal. II. The significance of the cyanogenetic principle of bracken. J. Sci. Food & Agr. 2:327-336. Ref. July 1951. 382 Sol2
- 75926 MORRISON, F. B. Mineral and protein requirements. Flour & Feed 52(3):26. Aug. 1951. 298.8 F66
Of livestock.
- 75927 NEHRING, K. Die bewertung der futtermittel (Lässt sich die stärkewerttheorie auf die fütterung der verschiedenen tierarten übertragen?). Arch. f. Tierernähr. 1:177-187. Ref. Nov./Dec. 1950. 389.78 Ar22
- 75928 NEHRING, K., and SCHUTTE, J. Über die zusammensetzung und den futterwert von laub und reisig. Arch. f. Tierernähr. 1:151-176. Ref. Nov./Dec. 1950. 389.78 Ar22
- 75929 O'DONOHUE, B. Five-minute balanced rations. East African Agr. J. 16:188-189. Apr. 1951. 24 Ea74
Feed formulas.
- 75930 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. DEPT. OF ANIMAL HUSBANDRY. Feeding and breeding tests with sheep, swine, and beef cattle; progress report: 1950-51. Reported at 25th Annual Livestock Feeders' Day. April 21, 1951. Okla. Agr. Expt. Sta. Misc. P. MP-22, 96 p. June 1951. 100 Ok4
- 75931 PARKER, R. Animal nutrition research. Ala. Farmer 30(7):6, 10, 12. Apr. 1951. 276.8 AL1
- 75932 PATERSON, R. Grass silage in England. Hoard's Dairyman 96:614. Aug. 10, 1951. 44.8 H65
- 75933 PATISSIER, J. L'ensilage des fourrages verts. Potasse 25:102-104. July/Aug. 1951. 57.8 P84
- 75934 PEIXOTO, A. M. Sweet and acid silage. II. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:155-159. May/June 1951. 9.2 R324

- 75935 PERUCHON, J. Les microbes et les aliments. Réveil Agr. 60:97-99,119. (Cont.) Apr.1-15,1951. 14 R322
Installments discuss the animal protein factor and fish meal and fish solubles.
- 75936 PROCK, W., and NOWAK, E. Hat fita-ferment gegenüber futterkalk sonderwirkungen? Pflug 4:103-106. May 1951. 19 P48
A feed supplement for livestock.
- 75937 PROCK, W., and NOWAK, E. Überprüfung des Falavigna-silivverfahrens durch 9 grossversuche. Pflug 4:125-129. June 1951. 19 P48
- 75938 RICCIARELLI, U. Incidents in the feeding of livestock. (In Italian.) Agr. Ferrarese 54:198. Sept.30, 1950. 16 Ag87
- 75939 SANTA MARÍA LEDOCHOWSKI, J. Utilización de la urea en la alimentación del ganado. Agricultura [Madrid] 20:282-285. June 1951. 15 Ag84
- 75940 SCHAEFER, H. C. From green fields to pink cheeks; a story about dehydrated alfalfa in modern day nutrition. Feed Age 1(4):36-42. Apr.1951. 389.78 F327
- 75941 SCHOONENS, J. G. Ensilage of fish. (In Dutch.) Visserijwereld 10(27):17-18. July 6,1951. 414.8 V82
- 75942 SCHWALLER, A. Förderung der qualitätsmast, eine dringende notwendigkeit. Grüne 79:294-299. Mar. 16,1951. 17 Sch9
Switzerland.
- 75943 SPISNI, D. On the chemical composition and nutritive value of soya. (In Italian.) Clin. Vet. 74:161-185. June 1951. 41.8 C61
- 75944 STUBBS, J. R. Silage feeding. Farm Mech. 3:241-243. June 1951. 58.8 B772
- 75945 TURK, K. L. Corn gluten feed. Flour & Feed 52(3):12,14-15. Aug.1951. 298.8 F66
- 75946 TYSON, R. P. Pasture silage and portable silos. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:15-20. Feb.1,1951. 23 T182T
- 75947 UNDERWOOD, E. J. Feeding in relation to animal health and production. Westralian Farmers Co-op. Gaz., Stud Stock Sup., May 1951:7,9,11. 280.28 W522
Discusses feeding for fertility.
- 75948 VALDINOCI, M. Proper feeding of livestock. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(49):8. July 7,1951. 281.8 Ag3
- 75949 WALKER, A. H. What is a good pasture? Cattleman 38(3):188,190. Aug.1951. 49 C29
- 75950 WIESER, G. Unkräuter-verwertung. Deut. Kleintier-Züchter 6(7):11. (Cont.) Apr.5,1951. 49 Su22
Feed.
- 75951 WILDER, O. H. M. The need for animal proteins in present-day feeds. Butchers' Advocate 130(5):8-11. Aug.1,1951. 286.85 B97
- 75952 WORDEN, A. N. Drugs in animal feeding. Fert. Feed. Stuffs & Farm Supplies J. 37:438-439,461-463. (Cont.) July 11-25,1951. 57.8 F413
Antibiotics and synthetic sex hormones.

VETERINARY MEDICINE

- 75953 ACKART, W. B., and MURRAY, T. J. A medium for the rapid cultivation of Mycobacterium avium. J. Bact. 62:75-79. Ref. July 1951. 448.3 J82
- 75954 ALTENBERN, R. A., and HOUSEWRIGHT, R. D. Alanine synthesis and carbohydrate oxidation by smooth Brucella abortus. J. Bact. 62:97-105. Ref. July 1951. 448.3 J82
- 75955 AMERICAN SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS. Outline for a course in first aid for and control of small animals for use during the war emergency, compiled by W. W. McSpadden, director of education. New York,1951. 22 p. 40 Am30
- 75956 ATTINA, S. Autonomy of the veterinary service. (In Italian.) Prog. Vet. 6:373-374. (Concl.) July 1,1951. 41.8 P942
- 75957 BEDSON, S. P., and others. Virus and rickettsial diseases. London,Arnold,1950. 382 p. 448.2 B39
A. W. Downie, F. C. MacCallum, and C. H. Stuart-Harris, joint authors.
Human and animal.
- 75958 BRION, A. Précis de jurisprudence vétérinaire, v. 1. Ed. 2. Paris,Vigot,1950. 383 p. 41.5 B77
- 75959 BROUWER, F. I. Dierkunde [Zoology]. Ed. 18, rev. Groningen,Wolters,1950. 103 p. (Handleiding bij het Lager Land en Tuinbouwonderwijs) 444 B792
- 75960 CAPORALE, G. Some diagnostic notes on leptospirosis of the dog, cow, horse, and pig. (In Italian.) Croce Azzurra 1:319-327. Nov./Dec.1950. 41.8 C87
- 75961 CASTELLA BERTRAN, E. Administración de medicamentos al ganado. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 5/6,20 p. Mar.1951. 15 H68
- 75962 CLARKSON, M. R. Protecting the livestock of the United States against foreign diseases. Conn. Dairymen's Assoc. Rpt. Proc. 70:47-60. 1951. 44.9 C769
Includes discussion.
- 75963 CODO, V. La temperatura de los animales. Asoc. Rur. del Uruguay. Rev. 78(6):8-9. June 1951. 9.9 As5
- 75964 CONTE, J. La fenotiazina en el parasitismo intestinal. Agr. Trop. 6(7):59-60. July 15,1950. 26 Ag8
In livestock.
- 75965 DATTA, S. Problem of foot and mouth disease in India. Indian Vet. J. 27:403-411. May 1951. 41.8 In2
- 75966 DUCKWORTH, C. U. Progress in fight against aftosa mexicana. Calif. Cattleman,Aug. 1951:21-22. 43.8 C12
- 75967 ELBERG, S., and others. Studies on the immunization of guinea pigs and mice to brucella [suus] infection by means of the "native antigen." J. Immunol. 67:1-13. Ref. July 1951. 448.8 J8232
M. Herzberg, P. Schneider, S. J. Silverman, and K. F. Meyer, joint authors.
- 75968 ENDRES, K. Der rauschbrand oder flug. Auf der Alpe 7:52-54. (Cont.) July 1951. 18 Au3
In livestock.
- 75969 FE SERRA, J. El carbunco bacteridiano en Mallorca. Balearic Isl. Diputación Prov. B. de Agr. 75:6. Dec.1950. 15 B19
- 75970 FENGER, P. Huspattedyrenes bygning og livsvirksomhed; kortfattet laerebog for landbrugsskoler [Anatomy and physiology of domestic mammals; short text book for agricultural schools]. Ed. 6. København, Danske Forlag,1950. 137 p. 444 F35
- 75971 FRENKEL, H. S., and MANSJOER, M. Artificial cultivation of foot-and-mouth disease virus for vaccine production. (In Indonesian.) Hemera Zoa 57:774-778. Dec.1950. 41.8 V51
- 75972 FRONTINI, C. A. Raquitismo y osteomalacia. Res 19:26089-26090. July 5,1951. 286.85 R31
- 75973 GILCH. Vergiftungen durch gebeiztes getreide. Deut. Kleintier-Züchter 6(6):7-8. Mar.20,1951. 49 Su22
- 75974 GRANT, R. Precautions against the introduction of stock diseases. Past. Rev. 61:500-501. May 16, 1951. 23 Au75
- 75975 HAGAN, W. A., and BRUNER, D. W. The infectious diseases of domestic animals, with special reference to etiology, diagnosis, and biologic therapy. Ed. 2. Ithaca,Comstock,1951. 920 p. 41 H123I
- 75976 HANNUM, T. E. Response of veterinarians to the strong vocational interest blank for men. Iowa Acad. Sci. Proc. 57:381-384. 1950. 500 In93
- 75977 HANSARD, S. L., COMAR, C. L., and PLUM-LEE, M. P. Radioisotope procedures with farm animals. II. Nucleonics 9(2):38-45. Ref. Aug.1951. 334.8 N88
- 75978 HARRIS, L. E. The druggist vs. the veterinarian. Norden News 25(4):8,20. July/Aug.1951. 41.8 N75
- 75979 HEICKEN, K. Über die stalldesinfektion bei tuberkulose. Berlin. u. Münch. Tierärztl. Wchnschr. 3:94-97. May 1951. 41.8 B45
- 75980 HEINSOHN DE BRIGARD, J. Diferencias básicas entre la fiebre aftosa y la estomatitis vesiculosa. Agr. Trop. 7(6):19-22. June 1951. 26 Ag8
- 75981 HENKELS, P., and EGGERS, H. Indikation und stellung des Rivanols in der heutigen tierärztlichen allgemeinen gelenk-, sehnenscheiden- und schleimbeutel-chirurgie. Monatsh. f. Vetmed. 6:229-232. Ref. June 15, 1951. 41.8 M742
- 75982 HESSE, N. C. W. New medicines, especially for big livestock. (In Dutch.) Tijdschr. v. Diergeneesk. 76:510-527. July 15,1951. 41.8 T431
- 75983 KENDRICK, J. W. Treatment of tibial and radial fractures in large animals. Cornell Vet. 41:219-230. Ref. July 1951. 41.8 C81
- 75984 KIRKSEY, G. Foot and mouth situation. Mont. Stockgrower 23(5):68-69. May 15,1951. 49 M76
- 75985 KNOWLES, A. T., KNOWLES, J. O., and KNOWLES, R. P. Oxygen therapy in surgical and medical procedures in small animals. Vet. Med. 46:339-346. Ref. Sept.1951. 41.8 M69
- 75986 KRAUME. Zur frage der tierärztlichen institute; staatliche veterinäruntersuchungsämter—tier-gesundheitsämter der landwirtschaftskammern. Deut. Tierärztl. Wchnschr. 58:217-220. July 15,1951. 41.8 D482

75987 LARSH, J. E., JR. Host-parasite relationships in cestode infections, with emphasis on host resistance. *J. Parasitol.* 37:343-352. Ref. Aug. 1951. 448.8 J824 Includes domestic animals.

75988 LENNETTE, E. H., and others. Q fever in California. V-VI, VIII-X. *Amer. J. Hyg.* 54:1-49. Ref. July 1951. 449.8 Am3

V, Serologic survey of sheep, goats and cattle in three epidemiologic categories, from several geographic areas, by E. H. Lennette, B. H. Dean, F. R. Abinanti, W. H. Clark, J. F. Winn, and M. A. Holmes; VI, Description of an epidemic occurring at Davis, California, in 1948, by W. H. Clark, A. S. Bogucki, E. H. Lennette, B. H. Dean, and J. R. Walker; VIII, An epidemic of Q fever in a small rural community in northern California, by W. H. Clark, M. S. Romer, M. A. Holmes, H. H. Welsh, E. H. Lennette, and F. R. Abinanti; IX, An outbreak aboard a ship transporting goats, by W. H. Clark, E. H. Lennette, and M. S. Romer; X, Recovery of *Coxiella burnetii* from the air of premises harboring infected goats, by E. H. Lennette, and H. H. Welsh.

75989 MCCLYMONT, G. L. Volatile fatty acid metabolism of ruminants, with particular reference to the lactating bovine mammary gland and the composition of milk fat. *Austral. J. Agr. Res.* 2:158-180. Ref. Apr. 1951. 23 Au783

75990 MANDIA, J. W. Serological group II of the proteolytic *Clostridia*. *J. Immunol.* 67:49-55. July 1951. 448.8 J8232

75991 MEYER, K. F. What is known about immunity to brucellosis. U. S. Livestock Sanit. Assoc. Proc. (1950)54:87-97. Ref. 1951. 49.9 Un3R

75992 MINGLE, C. K. Brucellosis of livestock. *Amer. J. Pub. Health* 41:923-927. Aug. 1951. 449.9 Am3J

75993 NATIONAL BRUCELOSIS COMMITTEE. Procedures for control and eradication of brucellosis. U. S. D. A. PA-172,6 p.-folder. June 1951. 1 Ag84Pro

75994 NICHOLS, R. E. The importance of disease control in animals. *Vet. Sci. News* 5:1-4. Feb. 15, 1951. 41.8 V6492

75995 NOBREGA, P. Toxoplasmosis, a disease of animals transmissible to man. (In Portuguese.) *Biológico* 17:79-83. May 1951. 442.8 B529

75996 NOVELO, A. M., JR. Actividad de la aureomicina sobre el *Bacillus anthracis* y su comparación con otros antibióticos. *Rev. Mex. de Med. Vet. y Zootec.* 5:118-129. Ref. Sept./Dec. 1950. 41.8 R3217

75997 OLIVET, T. Vaccines and vaccinations. (In Portuguese.) *Agr. e Pecuaria* 32(330):34,72. Mar. 1951. 9.2 Ag89

Veterinary medicine.

75998 OWENS, W. A. Development of a test of aptitude for veterinary medicine. *Iowa Acad. Sci. Proc.* 57:417-423. 1950. 500 Io93

75999 PACI, C. Constitution and constitutional types in livestock. (In Italian.) *Humus* 7(5):7-10. May 1951. 16 H88

76000 PAPP, E. Fiebre aftosa (Glosopeda). *Agr. Trop.* 6(8):33-42. Aug. 15, 1950. 26 Ag8

76001 PILZ, T. La vitamina B 12 y su importancia en medicina veterinaria. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 375:13. June 14, 1951. 9.9 G15B

76002 PISTOR, W. J. Ringworm on livestock. *Ariz. Agr. Col. Ext. C.* 173,4 p. Nov. 1950. 275.29 Ar42

76003 POJER, G. Immunité, immunisation, prémunition et trypanosomiase animale. *Belgium. Min. des Colon. B. Agr. du Congo Belge* 42:369-380. June 1951. 24 K83

76004 POULIN, L. P. La science vétérinaire. *Digeste de l'Eleveur* 5(8):23-24. Apr. 1951. 49 D56

76005 PRIER, J. E. The in vitro effect of several antibiotics against *Vibrio fetus*. *Vet. Med.* 46:358-359. Sept. 1951. 41.8 M69

76006 RAMON, G. Die Grundlagen der Immunisierungs- und Impfmethode; allgemeine und kritische Betrachtungen. *Monatsh. f. Vetmed.* 6:259-262. (Concl.) Ref. July 1, 1951. 41.8 M742

76007 RATERA, E. L. Plantas tóxicas argentinas; consideraciones generales sobre el romerillo o mio-mio (*Baccharis coridifolia*, D. C.). *Soc. Rur. de Rosario. Rev.* 30(349/350):47-48. Ref. Mar./Apr. 1951. 9 So14

Toxicity to animals.

76008 REAGAN, R. L., and BRUECKNER, A. L. Transmission of a strain of rabies virus to the large brown bat (*Eptesicus fuscus*) and to the cave bat (*Myotis lucifugus*). *Cornell Vet.* 41:295-298. July 1951. 41.8 C81

76009 REMLINGER, P., and BAILLY, J. Action de l'aureomycine sur le virus rabique. 2. *Inst. Pasteur. Ann.* 81:83-84. July 1951. 448.3 An75

76010 RENOUX, G. La lutte contre les brucelloses à travers l'activité du Centre de Recherches de Montpellier sur la fièvre ondulante. *Off. Internatl. des Epiz.* B. 35:378-389. Ref. July/Aug. 1951. 41.8 Of2

76011 RIEGO, T. Mision social del veterinario español. *Badajoz. Diputación Prov. B. de Inform. Agr. y Ganad.* 9(83):17-19. Jan. 1951. 15 B14

76012 ROLSHAUSEN, FREIHERR VON. Schädlicher einfluss unterirdischer wasseradern auf tiere. *Tierzüchter* 3:374. July 5, 1951. 49 T445

76013 ROSERO S., C. Cuerpos extraños en el esófago. *Manabí, Ecuador. Consorcio de Cent. Agr. B.* 12(65):24-25. Jan./Mar. 1951. 9.5 M31

Relates to domestic animals.

76014 ROSSETTI, G. Veterinarians in Somaliland. (In Italian.) *Africa* 5:207-208. Sept. 1950. 280.8 Af2

76015 ROUSSELOT, R., and GIRARD, H. Données nouvelles sur les rickettsioses des ruminants. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(1):382-398. Ref. 1945, pub. 1950. 515 C762C

76016 RUIZ MARTINEZ, C. La fiebre aftosa a través del Office Internacional de Epizootias. *Colombia. U. Nac. Facul. de Med. Vet. y de Zootec. Rev.* 20:294-300. Jan./June 1951. 41.8 R3214

76017 RUIZ MARTINEZ, C. La medicina veterinaria en la edad media; la medicina entre los Arabes. *Asoc. Rur. del Uruguay. Rev.* 78(6):26-32. June 1951. 9.9 As5

76018 SALVATORE, D., and GIOVANNI, D. Toxicity and nontoxicity of *Ferula communis*. (In Italian.) *Zoo-profilassi* 6:223-226, 229-240. June 1951. 41.8 Z72

English summary.

Includes discussion.

76019 SCHANG, P. J. Comentarios acerca de la 5ª reunión del Office International des Epizooties, sobre inmunización anti-aftosa. *Gac. Vet.* 13:78-86. Mar./Apr. 1951. 41.8 G112

76020 SINGH, G. B. Some observations on the treatment of complicated fractures with the aid of good surgical technique, modern antibiotics and unpadded plaster cast. *Indian Vet. J.* 27:463-464. May 1951. 41.8 In2

Cattle, dogs and poultry.

76021 SOUTH CAROLINA. CLEMSON AGRICULTURAL COLLEGE. EXTENSION SERV. Prevention and control of brucellosis (Bang's disease). *Clemson Agr. Col. S. C. Ext. C.* 361,20 p. July 1951. 275.29 So8E

76022 STARR, L. E. Public health and the veterinarian. *Ga. Vet.* 3(3):13-14. May/June 1951. 41.8 G29

Case of human rabies.

76023 STUTZ, L. Ueber die bedeutung der Salmonella panama (s.p.) für die tierärztliche mikrobiologie. *Lebensmitteltierarzt* 2:74-75. May 1951. 41.8 L49

76024 TEUNISSEN, G. H. B. Thallium poisoning of small livestock. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:534-537. July 15, 1951. 41.8 T431

76025 U. S. BUR. OF ANIMAL INDUSTRY. Information concerning the study and practice of veterinary medicine. *Washington, 1951.* 2 p. 1.972 A2In32

76026 VAITSMAN, J. Penicillin in the treatment of some animal diseases. (In Portuguese.) *Seleç. Agr.* 6(60):31-32. Apr. 1951. 9.2 Se4

76027 VEGA DÍAZ, E. DE LA. Aspectos histológicos del aparato digestivo de la alpaca. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:163-179. Dec. 1950. 41.9 Un37

76028 VIANELLO, G. Tyrothricin, an antibiotic for external use, in veterinary medicine. (In Italian.) *Humus* 7(5):30. May 1951. 16 H88

76029 VILLENEUVE, P. N'attendez pas que la mort soit victorieuse. *B. des Agr.* 47(7):49. July 1951. 7 B872

Livestock disease control.

76030 WAEL, J. DE. Chemical diagnosis of thallium poisoning. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:537-539. July 15, 1951. 41.8 T431

76031 WATT, I. G. Diseases transmitted from animals to man. *New Zeal. J. Agr.* 82:357,359,361,363-364. (Concl.) Apr. 16, 1951. 23 N48J

76032 YOHE, R. Weapons against brucellosis. *Prairie Farmer, Mich. Ed.* 123(15):22-23. Aug. 4, 1951. 6 P883A

76033 ZAVAGLI, V. Organización y veterinaria de Italia en relación con la lucha contra la fiebre aftosa. *Colombia. U. Nac. Facul. de Med. Vet. y de Zootec. Rev.* 20:290-293. Jan./June 1951. 41.8 R3214

MISCELLANEOUS

- 76034 BAIER, W., and SEEBAUER, K. Forensische fragen um das fortpflanzungsgeschehen der haustiere. Berlin. u. Münch. Tierärztl. Wchnschr. 5:85-89. May 1951. 41.8 B45
- 76035 CANADIAN NATIONAL LIVE STOCK RECORD BOARD. Minutes, annual meeting, 1951. Toronto? 1951. 29 p. 49.9 C163M
- 76036 CANADIAN SOCIETY OF ANIMAL PRODUCTION. EASTERN SECT. Report of proceedings of the fifteenth annual general meeting, Charlottetown, P. E. I., June 27, 28, and 29, 1950. Charlottetown, 1950. 32 p. 49.9 Ea72
- 76037 CANADIAN SOCIETY OF ANIMAL PRODUCTION. WESTERN SECT. Report of proceedings of the nineteenth annual meeting, University of Saskatchewan, Saskatoon, June 8 and 9, 1950. Saskatoon, 1950. 62 p. 49.9 C166
- 76038 DOMKE, E. Gedanken eines aussenseiters zur tierhaltung. Tierzüchter 3:357-360. July 5, 1951. 49 T445
- 76039 DRAPER, J. L. The auction sale is the payoff. (Excerpts.) Livestock Wk. 5(30):11,26-28. May 31, 1951. 49 L753
- 76040 FIELD-FISHER, T. G. Animals and the law. London, Stevens, 1950. 104 p. (This is the Law) 40 F452
- 76041 FRANCE. HAUT-COMMISSARIAT EN INDOCHINE. SERV. DU CONSEILLER AU PLAN. BUR. CENTRAL DE L'ELEVAGE. De la recherche zootechnique en Indochine. Saigon, Impr. Française d'Outre-Mer, 1950. 479 p. 40 F843
- 76042 GARRIGUS, W. P. Introductory animal science. Philadelphia, Lippincott, 1951. 503 p. 40 G192
- 76043 GILCH. Warum torfstreu? Deut. Kleintierzüchter 6(1):4-5. Jan. 5, 1951. 49 Su22
- 76044 GONZALEZ MESA, R. Un evento nacional con motivo de la X Exposición Nacional de Ganadería de Rancho Boyeros. Acción Agr. [Habana] 1(4):19-20. Apr. 1951. 8 Ac22
- Cuba.
- 76045 HELIAU, M. L'utilisation des ampoules fluorescentes solaires dans l'élevage. Digeste de l'Eleveur 5(6):19-20, 31. Feb. 1951. 49 D56
- 76046 HIGGS, C. The great Yorkshire show reviewed. Country Life [London] 110:192-193. July 20, 1951. 80 C83
- Livestock.
- 76047 HULETT, D. Training a judging team. Cattleman 38(3):159-160, 162, 166, 168-169. Aug. 1951. 49 C29
- 76048 HURD, A. Reflections on the Royal Show. Country Life [London] 110:121-122. July 13, 1951. 80 C83
- Livestock.
- 76049 KILDEE, H. H., and KAYS, D. J. Two famous judges say develop your ability to judge livestock. Breeder's Gaz. 116(8):9, 48. Aug. 1951. 49 B74
- 76050 KNÖBL, G. Torfstreu, deren vorteile und verwendung. Kärntner Bauer 101:269-270. May 15, 1951. 19 K14
- As litter and in composts.
- 76051 KUNZ, R. Four year old law has raised the standards of Nebraska slaughter-house operations. Nebr. Cattleman 7(9):16-17. May 1951. 43.8 N27
- 76052 KVAERNER, G. The State show at Momarken. (In Norwegian.) Norsk Landbr. 17:276-279. July 20, 1951. 11 N8122
- Livestock.
- 76053 LEONARD, N. L. C. The 1951 Palermo Show; a triumph of organisation in the face of many difficulties. Rev. River Plate 110(3080):19-20. July 10, 1951. 286.8 R32
- Cattle, sheep and swine.
- 76054 LETTRE, J. P. Toujours le registre du troupeau. Digeste de l'Eleveur 5(6):9-11. Feb. 1951. 49 D56
- 76055 MCDIARMID, A. The occurrence of agglutinins for Br. abortus in the blood of wild deer in the south of England. Vet. Rec. 63:469-470. July 14, 1951. 41.8 V641
- 76056 MESSERSCHMIDT. Tierzucht und DLG-schau. Deut. Landwirt. Presse 74:134. May 19, 1951. 18 D482
- 76057 MULET DURAN, M. Aves o gatos? Balearic Isl. Diputación Prov. B. de Agr. 76:4-5. Jan. 1951. 15 B19
- Abnormalities in animals.
- 76058 NEWELL, P. F. Production trends in the Cotton Belt. Breeder-Stockman 13(3):38-39. Aug. 1951. 49 V81
- Livestock.
- 76059 NORDENBORG, M. O. There are signs of life. (In Swedish.) Mjölpropagandan 28:129-130. May 1958. 44.8 M692
- Animal husbandry in Sweden.
- 76060 OBEE, H. Die tiere auf der 41. Wanderausstellung in Hamburg 1951. Neue Mitt. f. die Landwirt. 6:307-311. May 19, 1951. 18 N39
- 76061 OERTZEN, H. U. VON. Die landestierschau des Saarlandes. Tierzüchter 3:369-371. July 5, 1951. 49 T445
- 76062 PALACIOS ALBIÑANA, J. La ganadería y su origen. B. de Divulg. Ganad. [Ciudad Real] 6(58/60):22-23. Jan./Mar. 1951. 49.9 Sp14
- 76063 PROULX, J. R. Gaspillage et cruauté. Digeste de l'Eleveur 5(6):24-27. Feb. 1951. 49 D56
- 76064 PRUNIER, R. Conséquences économiques possibles de l'élevage de certains animaux domestiques et du déplacement d'animaux sauvages en dehors de leur habitat usuel. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(1):376-381. 1945, pub. 1950. 515 C762C
- 76065 ROOS, M. J. This and that on the growth of baby pigs, calves and chicken. (In Dutch.) Pluimveeteelt 4(14):5. July 6, 1951. 47.8 P722
- 76066 STEWART, J. Animal husbandry research in the Gold Coast. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(1):403-406. 1945, pub. 1950. 515 C762C
- 76067 U. S. BUR. OF ANIMAL INDUSTRY. Publications on fur farming, rabbits, and laboratory animals. Washington, 1950. 8 p.-folder. (List No. 9) 1 P96Lf
- 76068 WICKERSHAM, T. How practical are 4-H livestock projects? Successful Farming 49(8):62, 64. Aug. 1951. 6 Su12
- 76069 WILKENS. Danemark mit den augen eines züchters gesehen. Übersicht 2(2):4-8. Apr. 1951. 18 Ub3
- Various types of livestock raising.

CATTLE

Breeds and Breeding

- 76070 AMERICAN JERSEY CATTLE CLUB. Herd improvement through breeding programs. 1-3. Jersey B. 70:1042-1043, 1091-1092, 1094-1096, 1128-1129, 1167-1169, 1208-1209. July 25-Aug. 25, 1951. 43.8 J48
- Panel discussion.
- 76071 ANDERSON, A. Aberdeen-Angus ganado negro, que por su excelencia, se va introduciendo más y más en las vastas praderas norteamericanas. Hacienda 46(8):52, 54. Aug. 1951. 6 H11
- 76072 ANDREASEN, A., ed. Vejledning i pengeregnskab for kvaegavlforeninger [Guide in money accounting for cattle breeding associations]. Aarhus, Amtstidendes Bogtrykkeri, 1950. 30 p. 30.6 An22
- 76073 ARNOLD, F. J. What's the proved sire program worth? Holstein-Friesian World 48:1830-1831, 1839. Aug. 18, 1951. H742
- 76074 ASDELL, S. A. La desnutrición en el animal, puede traer su esterilidad. Rev. Ganad. [Habana] 11(7):18-20. July 1951. 49 R321
- Cattle.
- 76075 AYRSHIRE CATTLE HERD BOOK SOCIETY OF AUSTRALASIA. The Ayrshire herd book of Australasia, v. 42. Melbourne, Hearne, 1950. 286 p. 43.9 Ay76
- 76076 BARON, D. Where weighing bulls paid off. Farmer's Mag. 48(6):46. June 1951. 7 C165
- 76077 BAUGHMAN, J. L. Climate, cattle, and crossbreeding; beef and milk production in the Tropics and subtropics, with a bibliography on various phases of the problem. Tex. J. Sci. 3:253-304. Ref. June 30, 1951. 470 T31
- 76078 BOGGS, H. H. Retracing old paths trod by Hereford immortals. Amer. Hereford J. 42(5):383-384, 388, 392, 394, 398, 400, 402, 406, 408, 414. July 1, 1951. 43.8 Am32
- 76079 BONADONNA, T. The bull center of the "L. Spallanzani" Institute at Milan. (In Italian.) Campagna Milan. 19:2-3; 20:2-3. (Concl.) Oct. 15-31, 1950. 16 C153
- For artificial insemination.
- 76080 BONADONNA, T. Inseminazione artificiale et production laitière. Ann. de la Nutr. et de l'Aliment. 5:87-111. 1951. 389.8 An73
- 76081 BONADONNA, T. Limited fertility and sterility in cattle. II. (In Italian.) Agricoltore [Milano] (n.s.) 32(26):1-2. June 30, 1951. 16 Ag862
- 76082 BRACE, C. C. Wisconsin spring herd classification. Holstein-Friesian World 48:1985-1987, 1991, 1998-1999. Aug. 18, 1951. 43.8 H742

76083 BREMNER, J. My visit to Jersey; a travelogue. Canad. Jersey Breeder 6(5):8-9,44-49. May 1951.

43.8 C165

Observations on Jersey cattle.

76084 BRIQUET JUNIOR, R. Inheritance of coat in Holstein cattle. (In Portuguese.) Brazil. Min. de Agr. B. 35(7/12):21-25. July/Dec. 1946, pub. 1950. 9.2 Ag83 English summary.

76085 BROWN, B. Survey of breeders discloses eight basic reasons why people buy Holsteins. Holstein-Friesian World 48:1583-1584. July 21, 1951. 43.8 H742

76086 CHAMBERS, D., WHATLEY, J. A., and STEPHENS, D. Growth of Hereford heifers of different types. Okla. Agr. Expt. Sta. Misc. P. MP-22:33-35. June 1951. 100 Ok4

76087 CHASE, J. P. Seven plans for progress (with Polled Herefords). Polled Hereford World 5(6):13,153. June 1951. 43.8 P76

76088 CHITTENDEN, D. W. Achievements of the past, challenge for the future. Polled Hereford World 5(6):82 d-82 e. June 1951. 43.8 P76

Work of American Polled Hereford Association.

76089 CHITTENDEN, D. W. Registering and transferring Polled Herefords. Polled Hereford World 5(6):14-16. June 1951. 43.8 P76

76090 COLORADO. AGRICULTURAL EXPERIMENT STATION. Beef breeding research in Colorado. Progress report. Fort Collins? 1950. 8 p. 43.9 C71

76091 CONNORS, P. Milking Shorthorns. Milking Shorthorn J. 32(8):1,46. Aug. 1951. 43.8 M59

76092 DOMINGUES, O. The question of which is the best breed. (In Portuguese.) Seleg. Agr. 6(60):11-14. Apr. 1951. 9.2 Se4

On the various cattle breeds.

76093 DRUMM, G. M. A great transmitting sire puts California State Polytechnic College herd on the map. Holstein-Friesian World 48:1882-1883. Aug. 18, 1951. 43.8 H742

76094 EASTERBROOKS, H. L., and others. Fertility and bacterial content of diluted bull semen treated with various concentrations of dihydrostreptomycin sulfate. Amer. J. Vet. Res. 12:191-193. Ref. July 1951. 41.8 Am3A

P. Heller, M. Lieberman, W. N. Plastring, and E. L. Jungherr, joint authors.

76095 EBERHARDT, H. Hat die künstliche besamung erfolg? Bauern Ztg. 4(20):11-12. May 18, 1951. 18 B324

Cattle.

76096 EBERHARDT, H. Kampf gegen die zuchtschäden in Baden! Die künstliche besamung im zusammenhang mit fruchtbarkeit und gesundheit in unseren kuhställen. Bauern Ztg. 4(21):6; (22):5-6. (Concl.) May 25-June 1, 1951. 18 B324

Cattle.

76097 FABBRI, R. Contribution to bull purchasing. (In Italian.) Agr. Ferrarese 54:264-266. Dec. 31, 1950. 16 Ag87

76098 FAVERA, R. DALLA. Holstein-Friesian and fat content. (In Italian.) Mondo Agr. 2(17):6. Apr. 29, 1951. 16 M74

76099 FIELD, F. Why Herefords! (Excerpts.) Amer. Hereford J. 42(8):44. Aug. 15, 1951. 43.8 Am32

76100 FOWLER, S. H. Characteristics of the modern Shorthorn. Ala. Farmer 30(7):3,13,15. Apr. 1951. 276.8 AL1

76101 FRIESCH RUNDVEE-STAMBOEK. Friesch Rundvee-Stamboek 1948. (Friesian cattle herdbook 1948), v. 113. Leeuwarden, Miedema, 1951. unpagd. 43.9 F91

76102 GARAVINI, G. The triumph of a breed. (In Italian.) Agr. Tosc. 6:217-218. June 1951. 16 Ag827

The Chianina breed of cattle.

76103 GAUNT, S. N. Ayrshire breeders build stud. Hoard's Dairyman 96:578-579. July 25, 1951. 44.8 H65

76104 GAZTAMBE ARRILLAGA, C. The Jersey cow in Costa Rica. Jersey B. 70:1047. July 25, 1951. 43.8 J48

76105 GEDDES, H. J. Breeding in U.S.A. Austral. Dairy Rev. 19(7):9. July 2, 1951. 44.8 Au73

Cattle.

76106 GHEDINA, C. Bovine sterility; trichomoniasis and early abortion. (In Italian.) Seme 2:179-180. Aug. 1950. 16 Se5

76107 GHEDINA, C. Freshening of cattle. (In Italian.) Seme 2:164-165. July 1950. 16 Se5

76108 GREVE S., G. La actual tendencia en los Overos Colorados. Agr. Austral 19:89-93. Mar. 1951. 9.3 Ag842

76109 HALDANE, J. B. S. Breeding mainly females. Westralian Farmers Co-op Gaz. 20:381-382. June 1951. 280.28 W522

Cattle.

76110 HANSEN, E. N. Selection, feeding and management of the dairy bull. Holstein-Friesian World 48:1832-1833, 1996-1997. Aug. 18, 1951. 43.8 H742

76111 HARING, F. Betrachtungen zur einzüchtung dänischen Rotviehs in die Harzviehzucht. Tierzucht 5: 6-9. Jan. 1951. 49 T443

76112 HARRIS, J. Why Ayrshires are in favour as a leading milk breed. Canad. Ayrshire Rev. 32:33. June 1951. 43.8 Ay72

76113 HARRISON, E. S. Rags to riches & riches to rags; a penetrating analysis of the relationship of the individual breeder and the artificial breeding associations. Holstein-Friesian World 48:1825-1826, 1999. Aug. 18, 1951. 43.8 H742

76114 HART, D. The tall corn country; Oxford's bull buying committee sees good Holsteins in Mid-West States. Holstein-Friesian J. 14(4):18-19, 38. July 1951. 43.8 H743

76115 IRELAND. DEPT. OF AGRICULTURE. Breeding and feeding of cattle for beef. Ireland. Dept. Agr. L. 26, 9 p. Sept. 1950. 10.5 Ir42

76116 JESSUP, R. V. Some questions and answers on artificial breeding. Calif. Dairyman 31(13):11-12. July 28, 1951. 44.8 C12

Cattle.

76117 JOHNSON, A. R. Objective: continued improvement and progress. Polled Hereford World 5(6):12. June 1951. 43.8 P76

Polled Herefords.

76118 JOHNSON, J. B. Range bulls—their efficiency of gains. Pacific Stockman 17(8):7, 22. Aug. 1951. 286.85 W52

76119 KEITH, T. B., JOHNSON, R. F., and HICKMAN, C. W. Improvement of beef cattle for economic characters. Idaho. Agr. Col. Idaho Agr. Sci. 36(3):1-2. Third Q. 1951. 276 Id13N

76120 KETTERING, D. G. A bull or A. B. A. [Artificial Breeding Association]. Mich. Milk Messenger 33(4):6. Aug. 1951. 44.8 M582

Relative costs.

76121 KNUDSEN, A. F. American experiments with crossing of various dairy cattle breeds. (In Danish.) Dansk Landbr. 70:343-344. July 26, 1951. 280.28 V91

76122 KÖRPRICH, M. Erbforschung in der tierzucht—hier bezüglich milchmengenleistung und fettprozentgehalt. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 11/12:18-21. 1951. 49 B32

76123 LABEN, R. C., and HERMAN, H. A. Genetic factors affecting milk production in a selected Holstein-Friesian herd. Mo. Agr. Expt. Sta. Res. B. 459, 71 p. Ref. Sept. 1950. 100 M693

76124 LANGLET, J. Der töchter-mütter-vergleich und seine verwendung in der rinderzucht. Tierzüchter 3:385-387. July 20, 1951. 49 T445

76125 LAURENT, R. L'élevage marocain en pleine progression. Inform. Marocaine 546:1, 4. June 30, 1951. 281.8 In3

Cattle breeding.

76126 LECLERC, M. Les Canadiens en 1950. Digeste de l'Eleveur 5(6):21-23. Feb. 1951. 49 D56

76127 LECLERC, M. Une année de progrès; message aux éleveurs de bovins Canadiens. Digeste de l'Eleveur 5(8):18-20. Apr. 1951. 49 D56

76128 LETARD, E. Influence de l'hérédité et du milieu dans la production laitière. Ann. de la Nutr. et de l'Aliment. 5:55-69. Ref. 1951. 389.8 An73

Includes discussion.

76129 MCCANN, L. P. Type—is it changing? Cattleman 38(3):27, 54, 56, 58, 60. Aug. 1951. 49 C29

Hereford steers.

76130 MCCARTHY, D. Hereford champions. Cattleman 38(3):28-29, 124, 126. Aug. 1951. 49 C29

76131 MCDONALD, R. J. The problem of the shy breeder. Holstein-Friesian J. 14(5):15-17, 50, 66-67. Aug. 1951. 43.8 H743

Chiefly functioning of reproductive organs in cow.

76132 MACLAREN, T. British breeds of livestock. VII. The Aberdeen-Angus. Brit. Agr. B. 4:69-74. July 1951. 10 B776

76133 MARSON, T. B. The Scotch Shorthorn; its history and development. Shorthorn News [Queenstown] 11:3, 5, 7. Mar. 1951. 43.8 Sh85

76134 MASOERO, P. Control of the lactic-butter aptitude in cattle. (In Italian.) Cron. Econ. 100:13-16. Apr. 1951. 280.8 C882

- 76135 MATSUSHIMA, J. Meat from Red Poll steers. Red Poll News 15(3):26-28. May/June 1951. 43.8 R245
- 76136 MERCURI, S. Livestock problems; an interesting question: is the Friesian or Pezzata Nera cattle breed definitely superior to the Brown Swiss? (In Italian.) Agr. Ital. 2:211-215. Apr. 15, 1951. 16 Ag822
- 76137 MERKEL, H. Die rinderbesamung—international gesehen. Übersicht 2(3):31-34. July 1951. 18 Ub3
- 76138 MESCHINI, C. II National Concourse of selected cattle of the Romagnola breed, Forlì, June 9-10, 1951. (In Italian.) Mondo Agr. 2(24):4. June 17, 1951. 16 M74
- 76139 MICHEL, C., J. M. La inseminación artificial en el mejoramiento del ganado lechero en Monterrey, N. L. Agronomía [Monterrey] 16:5-8. May/June 1951. 8 Ag828
- 76140 MILLER, L. D. The Aberdeen-Angus story: blacks multiply across the Western States. West. Live Stock 36(11):17,75,79. June 1951. 49 W523
- 76141 NASCIMENTO, C. B. The function of artificial insemination in the control of herds. (In Portuguese.) Agr. e Pecuária 22(331):54,72. Apr. 1951. 9.2 Ag89
- 76142 NEW ZEALAND. DAIRY BOARD. Sire survey and merit register. Ed. 7. With a foreword on herd improvement work in New Zealand. Wellington, 1951. 299 p. 43.9 N487
- Production records up to the end of the 1949-50 season.
- 76143 PONS FLORIT, J. Mejora en el ganado vacuno. Balearic Isl. Diputación Prov. B. de Agr. 75:8-9. Dec. 1950. 15 B19
- 76144 PRATA, J. M. The Gir in various Brazilian regions. (In Portuguese.) Soc. Coop. da Indús. Pecuária do Pará. B. 18(76):23-24. July/Dec. 1950. 280.2409 So1
- 76145 PULLIAM, A. L. Denmark's new model cow. Hoard's Dairyman 96:612. Aug. 10, 1951. 44.8 H65
- Breeding.
- 76146 RICE, V. A. A new yardstick for [dairy] bulls. Holstein-Friesian World 48:1828-1829. Aug. 18, 1951. 43.8 H742
- 76147 ROYAL DUBLIN SOCIETY. The Kerry cattle herd book, v. 44. Dublin, 1951. 163 p. 43.9 R812
- 76148 RUFIN, G. Le bétail bovin "pie rouge de l'Est." France. Min. de l'Agr. B. Tech. d'Inform. 59:309-320. May 1951. 14 F844B
- 76149 ST. PIERRE, L. N. L'insémination artificielle; résultats—facteurs de succès. Digeste de l'Éleveur 5(8):15-17. Apr. 1951. 49 D56
- Cattle.
- 76150 SCHÄFER. Die hauptkörnungen im Landkreis Memmingen ein grosser erfolg. Allgäuer Bauernbl. 19:338. June 21, 1951. 18 AL53
- Cattle.
- 76151 SEATH, D. M. Should we use beef bulls on dairy cows? Hoard's Dairyman 96:565,569. July 25, 1951. 44.8 H65
- In artificial insemination.
- 76152 STANTON, B. Dairy farming in the Ayrshire homeland. Ayrshire Digest 37:381,386,391,431. July 15, 1951. 43.8 Ay7
- 76153 STEWART, J. H. Iowa's 1951 herd classification. Holstein-Friesian World 48:1806-1807,1810-1811, 2010-2011,2014-2015. Aug. 4-18, 1951. 43.8 H742
- 76154 STEWART, J. L. The West African Shorthorn cattle; their value to Africa as trypanosomiasis-resistant animals. Vet. Rec. 63:454-457. Ref. July 7, 1951. 41.8 V641
- 76155 STOCKKLAUSNER. Leistungsschau der rinderzucht. I. Die höhenrinder. Neue Mitt. f. die Landwirt. 6:443-444. July 7, 1951. 18 N39
- 76156 STONE, F. C. Beef breeds in Western Australia. Westralian Farmers Co-op. Gaz., Stud Stock Sup., May 1951:28-29. 280.28 W522
- 76157 SZABUNIEWICZ, M. Contribution à l'étude sur les avantages de l'élevage du zébu (Bos indicus) dans les pays tropicaux. Belgium. Min. des Colon. B. Agr. du Congo Belge 42:347-368. June 1951. 24 K83
- 76158 TARVER, D. One man's vision; Judge O. H. Nelson looked into the future some 70 years ago and what he saw led him to send thousands of Hereford bulls into a campaign of conquest—Hereford monopoly in area he pioneered a tribute to their success. Amer. Hereford J. 42(5):656,660,662,664-665,668,670. July 1, 1951. 43.8 Am32
- 76159 TAVEGGIA, T. Recent livestock experiences and the farming crisis. (In Italian.) B. dell'Agr. 85(12):2. June 15, 1951. 16 B87
- Cattle breeding, disease control, and other problems in Italian cattle farming.
- 76160 TRIMBERGER, G. W. Fall or spring freshening? Guernsey Breeders' J. [Peterborough] 82:1158-1160, 1176-1177. Aug. 15, 1951. 43.8 G93
- 76161 TURK, K. L. Brown Swiss visited in homeland. Dairymen's League News 35(16):6-7.14. Aug. 7, 1951. 44.8 D1432
- 76162 VERA PÉREZ, L. Limitativos para la aclimatación del ganado de razas europeas a los Trópicos. Tierra [México] 6:294-298. May 1951. 8 T445
- Cattle breeds.
- 76163 WEYMANN, H. Praktische erfahrungen in der sterilitätsbekämpfung der rinder und anwendung der technischen besamung im kampf gegen die deckinfektion. Monatsh. f. Vetmed. 6:235-238. June 15, 1951. 41.8 M742
- 76164 WHAT is a Red Poll cow? Red Poll News 15(3):9,50-54. May/June 1951. 43.8 R245
- 76165 WILKENS. Was können wir von den Dänen lernen. Übersicht 2(3):3-5. July 1951. 18 Ub3
- Cattle and swine breeding.
- 76166 WINDECKER, C. Blueprint for beef production; an expression of ideas on what purebred breeders can do to enhance the value of their product for commercial customers. Amer. Hereford J. 42(5):100-101,885. July 1, 1951. 43.8 Am32
- 76167 WOLFF, C. G. R. Finland's great Ayrshire producers. Ayrshire Digest 37:383,396. July 15, 1951. 43.8 Ay7
- 76168 YUILL, W. J. Consistent Waroin Jersey herd. Austral. Farm & Home 60(6):74,76,79. June 1, 1951. 23 Au7
- 76169 ZETTLER. Die niederungsrinder in Nordbaden. Bad. Landwirt. Wchnbl. 118:286-288. May 12, 1951. 18 B142

Feeds and Feeding

- 76170 ADLER, E. Heartbreak land sees the dawn of a new era; how controlled grazing can produce prime beef for meat-hungry consumers. Veldtrust 12(3):2-3,26. Mar. 1951. 56.8 V54
- 76171 BAILEY, J. W. Don't be stingy with salt. Guernsey Breeders' J. [Peterborough] 82:1040-1041. Aug. 1, 1951. 43.8 G93
- 76172 BELTRÁN MONFERRER, J. M. Fomento y mejora del ganado vacuno. IV-V. B. de Divulg. Ganad. [Ciudad Real] 5(55/57):27-32; 6(58/60):16-21. Oct./Dec. 1950-Jan./Mar. 1951. 49.9 Sp14
- Chiefly feeding.
- 76173 BLOSSER, T. H. How grinding affects feed utilization by dairy cattle. Grain & Feed J. Consolidated 107(3):19-20. Aug. 8, 1951. 298.8 G762
- 76174 BONA, T. Importance of pasturing. (In Italian.) Seme 2:175-176. Aug. 1950. 16 Se5
- 76175 BRÜGGEMANN, H. Heu als grundlage der milchviehfütterung. Unser Milchvieh 3(5):2-3. In Molk.-Ztg. 5(18). May 4, 1951. 44.8 M735
- 76176 CAMPBELL, R. S., GILL, J., and SMITH, L. Steers gain on forest range in South Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 463,2 p. Apr. 1951. 100 M69In
- 76177 CRANDALL, W. T. Fit cows to freshen in good condition. Dairymen's League News 35(17):6-7,13. Aug. 21, 1951. 44.8 D1432
- Feeding.
- 76178 CULLITY, M., and MILLER, I. The influence of grazing green oats on the butterfat content of milk. J. Agr. West. Austral. (ser.2):27:394-407. Dec. 1950. 23 W52J
- 76179 DARLOW, A. E., and others. Supplements for fattening two- and three-year-old steers on grass. Okla. Agr. Expt. Sta. B. B-372,15 p. Aug. 1951. 100 Ok4
- W. D. Campbell, V. G. Heller, J. C. Hillier, R. W. Mac-Vicar, O. B. Ross, D. F. Stephens, and B. R. Taylor, joint authors.
- 76180 DELAGE, J., and LEROY, J. L'alimentation. Bétail & Basse-Cour 6(spec.no.):45,47-49,51,53. 1951. 49 B462
- Dairy cattle.
- 76181 DIJKSTRA, N. D. Vergelijkende voederproef met A.I.V.-zuur-silage geneutraliseerd met bieten of met basen. A comparative feeding trial with A.I.V.-acid-silage neutralized by mangolds or by bases. Netherlands. Dir. van de Landb. Verslagen van Landbk.Onderz. 57(1), 28 p. Ref. 1950. 105.2 V51V
- English summary.
- Cattle.
- 76182 DOBERT. Muss der fettgehalt nach dem weideaustrieb sinken? Unser Milchvieh 3(4):2-3. In Molk.-Ztg. 5(14). Apr. 5, 1951. 44.8 M735

- 76183 FABIANI, F. Serious nutritional deficiencies of cattle in mountain pasture. (In Italian.) *Seme* 2:140-141. June 1950. 16 Se5
- 76184 FERGUSON, J. Do we need a new yardstick? *Polled Hereford World* 5(6):17,149. June 1951. 43.8 P76
Rate of gain, etc.
- 76185 FERRARI, E. Feeding of dairy cattle in relation to forage production of the irrigated Lombardy Plain. (In Italian.) *Campagna Milan*. 21:2-3. (Cont.) Nov. 15, 1950. 16 C153
Nutritive value of hays and grasses.
- 76186 GEDDES, H. J. Calves do markedly better when rotationally grazed. *Austral. Dairy Rev.* 19(5):9. May 1, 1951. 44.8 Au73
- 76187 GEDDES, H. J. Weaning calves unusually early. *Austral. Dairy Rev.* 19(6):9. June 1, 1951. 44.8 Au73
- 76188 GHEDINA, C. On the mountain pasturing of cattle. (In Italian.) *Seme* 2:127-128. June 1950. 16 Se5
- 76189 GMELIN. Die grünfütterung beginnt! *Bad. Landwirt. Wchnbl.* 118:247-248. Apr. 21, 1951. 18 B142
For cattle.
- 76190 HARS DORF, FREIHERR VON. Die leistungsbewertung der hauptfütterflächen. *Neue Mitt. f. die Landwirt.* 6:369-370. June 2, 1951. 18 N39
Milk production.
- 76191 HEDLER, L. Der einfluss der fütterung auf die verdauungsvorgänge bei kälbern. *Bavaria. Landesanst. f. Tierzucht in Grub. Mitt.* 7/8:21-25. 1950. 49 B32
- 76192 JENSEN, G. Fôrplaner for storfe [Forage plans for cattle]. Ed. 2. Oslo, Fabritius, 1950. 147 p. 389.7 J45
- 76193 KITCHEN, J. B., JR., PAISLEY, E. H., and BENDER, C. B. Are New Jersey dairymen feeding too much grain to their dairy cows? *N. J. Agr. Expt. Sta. B.* 758,8 p. June 1951. 100 N46S
- 76194 KÖNEKAMP, A. H. Leistungsvermögen reiner weidewirtschaften. *Deut. Landwirt. Presse* 74:133. May 19, 1951. 18 D482
Milk and beef production.
- 76195 LINDOW, C. W., and others. A new approach to calf nutrition. *Guernsey Breeders' J.* [Peterborough] 82:1163-1164, 1177. Aug. 15, 1951. 43.8 G93
W. L. Brickson, E. B. Hart, C. F. Huffman, and C. M. McCrary, joint authors.
- 76196 LONG, R. A., and others. A study of various substitutes for corn and cottonseed cake for fattening beef calves. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:85-89. June 1951. 100 Ok4
L. S. Pope, A. E. Darlow, R. W. MacVicar, O. B. Ross, and W. D. Campbell, joint authors.
- 76197 LOOSLI, J. K., MORRISON, F. B., and MAYNARD, L. A. Urea in dairy rations. *Feedstuffs* 23(32):30-31. Aug. 11, 1951. 286.81 F322
- 76198 LOOSLI, J. K. What about fat in dairy feeds? *Feed Age* 1(2):35-37. Feb. 1951. 389.78 F327
- 76199 MOORE, L. A. New values in good hay and silage for dairy cows. *Guernsey Breeders' J.* [Peterborough] 82:1005-1007, 1018-1019. Aug. 1, 1951. 43.8 G93
- 76200 MULDER, H. W. The pasture feeding of dairy cattle. (In Dutch.) *Boer en Tuinder* 5(228):13. June 2, 1951. 12 B632
- 76201 NELSON, A. B., and others. Do beef cattle need additional trace minerals in southeast Oklahoma? *Okla. Agr. Expt. Sta. Misc. P.* MP-22:62-64. June 1951. 100 Ok4
J. A. Nance, W. D. Gallup, and O. B. Ross, joint authors.
- 76202 NELSON, A. B., and others. The effect of level of wintering upon the production of two-year-old steers marketed off grass. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:35-39. June 1951. 100 Ok4
R. A. Long, O. B. Ross, A. E. Darlow, and W. C. Campbell, joint authors.
- 76203 NELSON, A. B., and others. Methods of wintering two-year-old steers. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:82-83. June 1951. 100 Ok4
R. A. Long, O. B. Ross, A. E. Darlow, and W. D. Campbell, joint authors.
- 76204 NELSON, A. B., and others. Methods of wintering weanling steer calves. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:83-85. June 1951. 100 Ok4
R. A. Long, O. B. Ross, A. E. Darlow, and W. D. Campbell, joint authors.
- 76205 NELSON, A. B., and others. Reproduction and lactation performance of range cows fed various levels of phosphorus. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:42-49. June 1951. 100 Ok4
W. D. Gallup, O. B. Ross, and J. A. Nance, joint authors.
- 76206 NELSON, A. B., and others. The use of salt as a means of regulating cottonseed meal consumption by pregnant cows. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:14-16. June 1951. 100 Ok4
W. J. Van Arsdell, R. W. MacVicar, W. D. Campbell, A. E. Darlow, and O. B. Ross, joint authors.
- 76207 NELSON, A. B., and others. The value of 20-, 30-, and 40-percent protein supplements for wintering heifer calves. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:89-92. June 1951. 100 Ok4
O. G. Daniel, O. B. Ross, A. E. Darlow, R. W. MacVicar, and W. D. Campbell, joint authors.
- 76208 NERI, C. Feeding of pregnant cows. (In Italian.) *Seme* 2:261-263. Nov. 1950. 16 Se5
- 76209 NERI, C. Practical questions: mineral nutrition in dairy cattle. (In Italian.) *Seme* 2:230-232. Oct. 1950. 16 Se5
- 76210 PACI, C. The significance of certain saline substances and their reciprocal relations in feeding of the dairy cow. II. (In Italian.) *Mondo del Latte* 6:336,339-340,343,345. June 1951. 44.8 M74
Minerals in feeds.
- 76211 PATTERSON, H. D. The analysis of change-over trials. *J. Agr. Sci.* 40:375-380. Oct. 1950, pub. June 1951. 10 J822
Dairy cattle feeding experiments.
- 76212 POPE, L. S., and others. Protein and mineral supplements for wintering two-year-old steers on native grass. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:67-72. June 1951. 100 Ok4
D. F. Stephens, A. E. Darlow, and R. W. MacVicar, joint authors.
- 76213 POPE, L. S., and others. The use of urea in rations for cattle and sheep. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:59-62. June 1951. 100 Ok4
C. K. Whitehair, M. C. Bell, P. W. Tidwell, M. C. Bonner, and W. D. Gallup, joint authors.
- 76214 PULLEN, J. B. Creep feeding calves. *Live-stock Wk.* 5(30):10. May 31, 1951. 49 L753
- 76215 REEVES, F. A report from the Corn Belt. *Cattleman* 38(3):191-192. Aug. 1951. 49 C29
On cattle feedlots.
- 76216 RICHTER, F. Die eignung von kälber-keim-mehl als kraftfutter bei der ernährung des kalbes. *Bavaria. Landesanst. f. Tierzucht in Grub. Mitt.* 11/12:22-24. 1951. 49 B32
- 76217 RICHTER, F. Die wirkung des "Ergona" -auf-zuchtpräparates "Vitasol" beim kalb. *Bavaria. Landesanst. f. Tierzucht in Grub. Mitt.* 9/10:28-29. 1951. 49 B32
- 76218 ROSS, O. B., and others. Methods of management for a commercial cow herd. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:9-14. June 1951. 100 Ok4
W. J. Van Arsdell, A. B. Nelson, R. W. MacVicar, W. D. Campbell, and A. E. Darlow, joint authors.
Feeding methods included.
- 76219 ROSS, O. B., and others. Relation of nutrition and age of first calving to lifetime performance of beef cows. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:49-56. June 1951. 100 Ok4
A. E. Darlow, R. W. MacVicar, O. O. Thomas, and D. F. Stephens, joint authors.
- 76220 ROSS, O. B., and others. The relative value of alfalfa hay and cottonseed cake for winter feed in a commercial cow herd. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:5-9. June 1951. 100 Ok4
W. J. Van Arsdell, A. B. Nelson, R. W. MacVicar, W. D. Campbell, and A. E. Darlow, joint authors.
- 76221 ROSS, O. B., and others. Systems of management and supplements for fattening three-year-old steers on grass. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:26-29. June 1951. 100 Ok4
D. Stephens, R. W. MacVicar, and L. S. Pope, joint authors.
- 76222 ROSS, O. B., and others. Yearly gains of replacement heifers wintered on 20-, 30-, and 40-percent protein supplements. *Okla. Agr. Expt. Sta. Misc. P.* MP-22:64-67. June 1951. 100 Ok4
A. E. Darlow, A. B. Nelson, O. G. Daniel, R. W. MacVicar, and W. D. Campbell, joint authors.
- 76223 RUSOFF, L. L. Antibiotic feed supplement (aureomycin) for dairy calves. *J. Dairy Sci.* 34:652-655. Ref. July 1951. 44.8 J822
- 76224 SELONKE, P. Feeding salt on the range. *Cattleman* 38(3):72. Aug. 1951. 49 C29
- 76225 SHAW, A. O. By-product feeds for dairy cattle. *Grain & Feed J. Consolidated* 107(2):35-37. July 25, 1951. 298.8 G762

- 76226 STROHM, J. A ton of beef from an acre of corn; Indiana farmers are getting sensationally cheap and fast gains on steers by the use of silage with Purdue University's home-mixed supplement added. *Country Gent.* 121(8):22,70-72. Aug. 1951. 6 C833
- 76227 TALLARICO, G. Influence of fodder on the quality of milk secretion. 3. (In Italian.) *Mondo del Latte* 1951:272,275-276. May 1951. 44.8 M74
English summary.
- 76228 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Roughages in dairy farming, by R. E. Hodgson and M. E. Bliss. Washington, 1951. 4 p. 1.941 R2R11
- 76229 VILLENEUVE, P. Pour une meilleure alimentation des veaux. *B. des Agr.* 47(6):69. June 1951. 7 B872
- 76230 VOGEL, H. Die fütterung des milchviehs in Bayern. *Bavaria. Landesanst. f. Tierzucht in Grub. Mitt.* 11(12:8-15. (Cont.) 1951. 49 B32
- 76231 VOGEL, H. Fütterungsversuch zur ermittlung der aufnahme von kohlenensäuregärfutter durch milchkühe. *Bavaria. Landesanst. f. Tierzucht in Grub. Mitt.* 9/10:26-27. 1951. 49 B32
- 76232 VOGEL, H. Die sommerstallfütterung des milchviehs. *Bavaria. Landesanst. f. Tierzucht in Grub. Mitt.* 7/8:12-21. 1950. 49 B32
- 76233 WHITING, F. The utilization by livestock of the by-products from special crops. *Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc.* 19:28-31. 1950. 49.9 C166
Peavine silage and hay and beet top silage for beef cattle and lambs.
- 76234 WILSON, C. Why good type; type may be thought of as those characteristics which make an animal useful for a certain desired purpose. *Jersey B.* 70:1046, 1077-1079. July 25, 1951. 43.8 J48
Dairy cattle.
- 76235 WINCHESTER, C. F. Identical twin steers aid in nutrition studies. *Feed Age* 1(2):25-28,65-66. Feb. 1951. 389.78 F327
- 76236 WOOLFOLK, E. J. Crested wheatgrass grazing values. *Mont. Stockgrower* 23(5):62-66. May 15, 1951. 49 M76
Range reseeding, and value for beef cattle.
- 76237 WRIGHT, B. Different [cottonseed] meal types and roughages tried; feeding tests at Texas Tech. *Sowest. Crop & Stock* 5(6):9,77. June 1951. 6 So8942
Cattle feeding tests.
- 76238 ZIMMERMANN, Die wasserversorgung des weideviehs. *Unser Milchvieh* 3(5):5-6. *In* *Molk.-Ztg.* 5(18). May 4, 1951. 44.8 M735
- 76239 ZORN, W. Grenzen der vollmilcheinsparung bei der kälberaufzucht. *Bavaria. Landesanst. f. Tierzucht in Grub. Mitt.* 9/10:30. 1951. 49 B32
- 76240 ZORN, W. Kann man höhere fettprozentage in der milch auch erfüttern? *Bavaria. Landesanst. f. Tierzucht in Grub. Mitt.* 7/8:3-12. 1950. 49 B32
- Veterinary Medicine**
- 76241 ALCAIDE, A. R. Pulse rate, respiration, and body temperature of native cattle. *Philippine Agr.* 34:46-48. July/Sept. 1950. 25 P542
- 76242 BACHNER. Geburtsgewicht der höhenfleckvieh-kälber. *Tierzüchter* 3:368-369. July 5, 1951. 49 T445
- 76243 BAILEY, J. W. About pinkeye in cattle. *Hoard's Dairyman* 96:590. July 25, 1951. 44.8 H65
- 76244 BAILEY, J. W. Bloat treatment. *Guernsey Breeders' J.* [Peterborough] 32:1019. Aug. 1, 1951. 43.8 G93
- 76245 BAILEY, J. W. When you buy livestock. *Hoard's Dairyman* 96:601. Aug. 10, 1951. 44.8 H65
Diseases to watch for in purchasing cattle.
- 76246 BENNECKE, J. Erfolge mit penicillin gegen kälbersterben. *Tierzüchter* 3:401. July 20, 1951. 49 T445
- 76247 BERTHELON, M. Maladies vénériennes et production du lait. *Ann. de la Nutr. et de l'Aliment.* 5:323-335. Ref. 1951. 389.8 An73
Includes discussion.
- 76248 BORRELLI, G. On complications in cases of uterine inversion and prolapse following parturition in cattle. (In Italian.) *Croce Azzurra* 1:334-337. Nov./Dec. 1950. 41.8 C87
- 76249 BOWLING, G. A. Long-lived cows—a breed asset. *Ayrshire Digest* 37:452,488. Aug. 15, 1951. 43.8 Ay7
- 76250 BRIEGER, E. M., and others. Nature and infectivity of granular forms of the bovine tubercle bacillus. *Nature* [London] 168:96-98. Ref. July 21, 1951. 472 N21
J. A. R. Miles, V. E. Cosslett, and R. W. Horne, joint authors.
- 76251 BROWN, J. M. An investigation of the cause, prevention and treatment of cattle disorders in the Swan River area of Manitoba. *Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc.* 19:15. 1950. 49.9 C166
- 76252 BUENO, P. Should cattle be vaccinated with BCG? (In Portuguese.) *Biológico* 17:83-85. May 1951. 44.8 B529
- 76253 BURG, W. B. V. D. The tuberculosis control plan for cattle. (In Dutch.) *Overijsselsch Landtbl.* 33(1604):7. May 12, 1951. 12 Ov2
- 76254 CARCAMO, R., and DIEGO, A. I. DE. Comparación de los títulos aglutinantes antibrucélicos provocados por la aplicación de la vacuna a gérmenes vivos de la cepa 19 con los de otras dos vacunas a gérmenes muertos. *Gac. Vet.* 13:62-64. Mar./Apr. 1951. 41.8 G112
Tests with cattle.
- 76255 CARNEIRO, G. G. Sex ratio at the time of birth in Zebu calves in the central region of São Francisco, Minas Gerais. (In Portuguese.) *B. de Indús. Anim.* (n.s.) 11(3/4):27-30. Dec. 1950. 49R324
- 76256 CHANDRASEKHARIAH, H. R. Fascioliasis in buffaloes. *Indian Vet. J.* 27:457-458. May 1951. 41.8 In2
- 76257 CRUA, A. Sobre la técnica del aislamiento del *Actinomyces* [i.e. *Spherophorus*] *necrophorus*. *Colombia. U. Nac. Facul. de Med. Vet. y de Zootec. Rev.* 20:301-304. Jan./June 1951. 41.8 R3214
Cause of necrobacillosis of calves.
- 76258 DATTA, S., and DHANDA, M. R. The latest methods evolved for the control of rinderpest and the problem of its eradication from India. *Indian Vet. J.* 27:416-422. May 1951. 41.8 In2
- 76259 DAVIS, W. Proxy mothers—science's aim. *All-Pets Mag.* 22(7):72-74. July 1951. 48.8 AL5
Ova transplantation, chiefly in cattle.
- 76260 EHRlich, C. Wie steht es mit der verbreitung des seuchenhaften verkalbens in Westfalen und mit den bekämpfungsaussichten? *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:1025-1026. July 12, 1951. 18 L2346
- 76261 EICKMANN. Milchverkauf ab hof. *Landwirt. Z. der Nord-Rheinprov.* 118:405. May 12, 1951. 18 L2344
Provisions for disease control of the herd.
- 76262 EKTOV, V. A. Post-embryonic linear growth of skeleton in cattle at various levels of nutrition. (In Russian.) *Zhur. Obshch. Biol.* 12:122-134. Mar./Apr. 1951. 44.8 Z6
- 76263 ELLIS, D., and FRUTON, J. S. On the proteolytic enzymes of animal tissues. IX. Calf thymus tripeptidase. *J. Biol. Chem.* 191:153-159. July 1951. 381 J824
- 76264 ELMER, L. Kälberkrankheiten. *Grüne* 79:8-10. Jan. 5, 1951. 17 Sch9
- 76265 FABIANI, F. Microbes do not mean enemies of man. (In Italian.) *Seme* 2:189-190. Aug. 1950. 16 Se5
Bacteria in rumen of cattle.
- 76266 FONTANELLI, E. *Vibrio foetus* abortion in cattle. (In Italian.) *Zooprofilassi* 6:248-252. Ref. June 1951. 41.8 Z72
- 76267 GASSNER, F. X. Applied endocrinology in veterinary medicine. *Norden News* 25(4):6-7, 21. July/Aug. 1951. 41.8 N75
Disorders in cattle.
- 76268 GHEDINA, C. Parturition of the cow. (In Italian.) *Seme* 2:247-250. Nov. 1950. 16 Se5
- 76269 GILMAN, H. L. Bovine brucellosis. *N. Y. Agr. Col. Cornell Ext. B.* 818,20 p. June 1951. 275.29 N48E
- 76270 GILMAN, H. L. Use of the ring test in the diagnosis of bovine brucellosis. *N. Y. State Assoc. Milk Sanit. Annu. Rpt.* 27:51-53,55-56,58-61. May 1951. 1.9 N4833
- 76271 GÖTZE, R. Zur bekämpfung der euteren- und inneren des rindes. II-III. *Deut. Tierärztl. Wchnschr.* 58:198-205,213-215. July 1-15, 1951. 41.8 D482
- 76272 GREEN, R. J. Trichomoniasis—a breeding disease of cattle. *Tasmania. Dept. Agr. Tasmanian J. Agr.* 22:143-145. May 1951. 23 T182T
- 76273 GÜNTERT, A. Die bekämpfung von stallseuchen durch schaffung von genossenschafts- oder gemeinschaftsweiden. *Grüne* 79:439-440. Apr. 20, 1951. 17 Sch9
- 76274 HANCOCK, J. Studies in monozygotic cattle twins. IV. Uniformity trials: grazing behaviour. *New Zeal. J. Sci. & Technol. A, Agr. Res. Sect.* 32(4):22-59. 1950. 514 N48A
- 76275 HARSHFIELD, G. S. Sporadic bovine encephalitis, a new cattle disease in South Dakota. *S. Dak. Stockgrower* 5(3):4-5. Apr. 15, 1951. 49 So84
- 76276 HASKELL, W. H. Mastitis in the dairy cow. *Holstein-Friesian World* 48:1585,1640. July 21, 1951. 43.8 H742

- 76277 HEDSTROM, H., and ISAKSSON, A. Epizootic enteritis in cattle in Sweden. *Cornell Vet.* 41:251-253. July 1951. 41.8 C81
- 76278 HERRICK, J. B. Intra-uterine antibiotic therapy. *Haver-Glover Messenger* 31(7/8):12-13. July/Aug. 1951. 41.8 H29
- Cattle.
- 76279 HOUDINIÈRE, A., and THIEULIN, G. Troubles physiologiques de la sécrétion lactée; laits physiologiques anormaux. *Ann. de la Nutr. et de l'Aliment.* 5:297-321. Ref. 1951. 389.8 An73
- Includes discussion.
- 76280 HULSE, E. C., and LANCASTER, J. E. The treatment with nisin of chronic bovine mastitis caused by *Str. uberis* and *staphylococci*. *Vet. Rec.* 63:477-480. July 21, 1951. 41.8 V641
- 76281 IRELAND. DEPT. OF AGRICULTURE. Phosphorus deficiency in cattle (aphosphorosis). *Ireland. Dept. Agr. L.* 44,3 p. Sept. 1950. 10.5 Ir42
- 76282 JARDIM, W. R., PEIXOTO, A. M., and SILVEIRA FILHO, S. Contribution to the study of Flemish cattle. I. (In Portuguese.) *B. de Indús. Anim. (n.s.)* 11 (3/4):41-51. Dec. 1950. 49 R324
- Period of gestation, weight at birth, and increase in weight of calves.
- 76283 JOHNSON, S. D., BRUNER, D. W., and MURPHY, J. M. Infection of the bovine udder with paracolon bacteria. *Cornell Vet.* 41:283-288. July 1951. 41.8 C81
- 76284 KEITH, R. K. The occurrence of *Ascaris vitulorum* Goetze 1782 in calves in Australia. *Austral. Vet. J.* 27(6):129. Ref. June 1951. 41.8 Au72
- 76285 KIBLER, H. H., and BRODY, S. Environmental physiology with special reference to domestic animals. XIII. Influence of increasing temperature, 40° to 105° F, on heat production and cardiorespiratory activities in Brown Swiss and Brahman cows and heifers. *Mo. Agr. Expt. Sta. Res. B.* 473,16 p. Apr. 1951. 100 M693
- 76286 KIRCHGASSNER, A. Die art an der volks-wurzel; ist das deutsche volk auf dem wege, seine bauern und ihre harte arbeit zu vergessen? II. *Bauern Ztg.* 4(28):2. July 13, 1951. 18 B324
- Problems of controlling tuberculosis in cattle.
- 76287 LAGERLOF, N. Control of infectious udder inflammation. I-II. (In Swedish.) *Mjölklpropaganda* 28: 126-127, 152-153. May-June/July 1951. 44.8 M692
- 76288 LAUB, A. Einige ergebnisse der milchdrüsen-bewertung bei kälbern. *Bavaria. Landesanst. f. Tier-zucht in Grub. Mitt.* 9/10:15-20. 1951. 49 B32
- 76289 MCENERNEY, P. J. Accidental poisoning of dairy calves by benzene hexachloride. *Cornell Vet.* 41: 292-295. July 1951. 41.8 C81
- 76290 MCENTEE, K., HANSEL, W., and OLAFSON, P. The production of hyperkeratosis (X-disease) by feeding fractions of a processed concentrate. *Cornell Vet.* 41: 237-239. July 1951. 41.8 C81
- 76291 MCINTOSH, R. A. *Vibrio foetus* abortion. *Shorthorn News [Waterloo]* 12(2):8. June 1951. 43.8 Sh85
- 76292 MAGNANI, M. Temporary or permanent "un-workability" of milk produced by cows having mastitis also cured with antibiotics. (In Italian.) *Latte* 25:245-246. June 1951. 44.8 L35
- 76293 MARTIN, J. G. Report of parenteral use of bacitracin in cattle. *Vet. Med.* 46:371-372. Sept. 1951. 41.8 M69
- In treatment of bacterial infections.
- 76294 MATTICK, A. T. R. Les infections chroniques de la mamelle, leurs conséquences sur la production et la composition du lait. *Ann. de la Nutr. et de l'Aliment.* 5:361-369. 1951. 389.8 An73
- 76295 MEHTA, M. L., and BHATIA, H. M. Penicillin (oilwax) in the treatment of bovine mastitis. *Indian Vet. J.* 27:459-461. May 1951. 41.8 In2
- 76296 MINGLE, C. K. Bovine tuberculosis. *Amer. J. Pub. Health* 41:928-930. Aug. 1951. 449.9 Am3J
- 76297 MORRIS, E. O. The life cycle of *Actinomyces bovis*. *J. Hyg.* 49:46-51. Ref. Mar. 1951. 449.8 J84
- 76298 MORRISON, H. B. The influence of estrus on weight of dairy heifers. *J. Dairy Sci.* 34:623-625. July 1951. 44.8 J822
- 76299 NICHOLS, A. L'élimination des cornes des bovins Canadiens. *Digeste de l'Eleveur* 5(6):28-29. Feb. 1951. 49 D56
- 76300 OLDS, D., and SEATH, D. M. Repeatability of the estrous cycle length in dairy cattle. *J. Dairy Sci.* 34: 626-632. Ref. July 1951. 44.8 J822
- 76301 OVEJERO DEL AGUA, S. *Corynebacterium renale* (Migula) (pyélonéphrite bovine). *Off. Internatl. des Epiz. B.* 35:332-336. July/Aug. 1951. 41.8 Of2
- 76302 PATIÑO PATIÑO, A. La disionia hemática compleja como factor causal de la paresia puerperal ("fiebre de leche") y de la acetoneia (ketosis) de las vacas. *Colombia. U. Nac. Facul. de Med. Vet. y de Zootec. Rev.* 20:304-307. Ref. Jan./June 1951. 41.8 R3214
- 76303 PATTERSON, C. M. Mastitis and its control. *Tex. Agr. Col. Ext. C.* 292,8 p. Mar. 1951. 275.29 T312C
- In dairy cattle.
- 76304 PAULSON, S., and others. Biophysical and physiological investigations on cartilage and other mesenchymal tissues. III. The diffusion rate of various substances in normal bovine Nucleus pulposus. *Biochim. et Biophys. Acta* 7:207-213. Ref. July 1951. 381 B522
- B. Sylven, C. Hirsch, and O. Snellman, joint authors.
- 76305 PIJUÁN, M. Ausencia de bazo en ganado vacuno. *B. de Zootec.* 7:58. Feb. 1, 1951. 41.9 So16
- 76306 PISTOR, W. J. Calf losses. *Ariz. Agr. Col. Ext. C.* 174,3 p. Nov. 1950. 275.29 Ar42
- 76307 PISTOR, W. J. Foot rot in cattle. *Ariz. Agr. Col. Ext. C.* 175,2 p., Nov. 1950. 275.29 Ar42
- 76308 PISTOR, W. J. Mastitis (garget). *Ariz. Agr. Col. Ext. C.* 176,6 p. Nov. 1950. 275.29 Ar42
- In cattle.
- 76309 PLATA GUERRERO, R. Los problemas de patología pecuaria que obstaculizan el desarrollo de la ganadería en los climas tropicales del Hemisferio Occidental. *Colombia. U. Nac. Facul. de Med. Vet. y de Zootec. Rev.* 20:285-289. Ref. Jan./June 1951. 41.8 R3214
- Cattle.
- 76310 PONS MUZZO, J. Las proteínas del suero en los animales domésticos. I. Proteinemia de la vaca. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:45-60. Ref. Dec. 1950. 41.9 Un37
- English summary.
- 76311 PUNTRIANO, G. Hormonal hypothesis of prepartum and postpartum acetoneia in dairy cattle. III. *Vet. Med.* 46:333-338. Ref. Sept. 1951. 41.8 M69
- 76312 QUITTET, P. L. Les groupes sanguins chez les bovins et les ovins; leur détection; applications zootecniques. *France. Min. de l'Agr. P. Tech. d'Inform.* 59: 339-343. May 1951. 14 F844B
- 76313 RAGSDALE, A. C., and others. Environmental physiology with special reference to domestic animals. XII. Influence of increasing of temperature 40° to 105° F on milk production in Brown Swiss cows, and on feed and water consumption and body weight in Brown Swiss and Brahman cows and heifers. *Mo. Agr. Expt. Sta. Res. B.* 471,24 p. Feb. 1951. 100 M693
- H. J. Thompson, D. M. Worstell and S. Brody, joint authors.
- 76314 RAMIREZ S., C. A. Edad que debe tener la vaca mestiza de primer parto. *Agrario* 15(422):16,26. Mar. 1951. 9.3 Ag85
- 76315 RAO, M. M., and SINGH, G. B. A case of facial fibrous tumour in a bullock. *Indian Vet. J.* 27:453-454. May 1951. 41.8 In2
- 76316 ROSSI, P. Prophylaxie et traitement des mammites. *Ann. de la Nutr. et de l'Aliment.* 5:337-360. Ref. 1951. 389.8 An73
- Includes discussion.
- 76317 RUSSELL, W. O., and LOQUVAM, G. S. Squamous carcinoma of the conjunctiva and cornea of bovines ("cancer eye") of cattle. (Abs.) *Amer. J. Path.* 27:727-728. July/Aug. 1951. 448.8 Am39
- Includes discussion.
- 76318 SALUNKE, B. K. Methylated spirit in yoke gall. *Indian Vet. J.* 27:461-462. May 1951. 41.8 In2
- Cattle.
- 76319 SANDERSON, N. V., and others. A brucellosis survey in Brant County, Ontario. *Canad. J. Pub. Health* 42(7):295-298. July 1951. 449.8 P984
- R. H. Karn, W. R. LeGrow, and O. C. Raymond, joint authors.
- Milk tests.
- 76320 SANTIVANEZ M., J., and others. La prueba A. B. R. y la suero-aglutinación en el diagnóstico de la brucelosis bovina. *U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev.* 5:5-14. Dec. 1950. 41.9 Un37
- M. Moro Sommo, R. Vallenaz, and E. Gómez Sánchez, joint authors.
- English summary.

- 76321 SCHALM, O. W. Mastitis control; proper management of herd most important in successful program. Calif. Agr. [Calif. Sta.] 5(6):11. June 1951. 100 C12Cag
- 76322 SCHÄRINGER. Über die klauenpflege der rinder. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 9/10:20-23. 1951. 49 B32
- 76323 SCHMIDT, S. Combating foot-and-mouth disease; results of vaccine research. Dan. Foreign Off. J. 2:23-24. 1951. 286.8 D22
- 76324 SCHWARTZ, W. Fibrosarkom in der brusthöhle einer kuh. Deut. Tierärztl. Wchnschr. 58:183. June 15, 1951. 41.8 D482
- 76325 SEEKLES, L. A note on the treatment of ketosis in milk cows with ammonium lactate. Vet. Rec. 63:494. July 28, 1951. 41.8 V641
- 76326 SEELEY, H. W. The physiology and nutrition of Streptococcus uberis. J. Bact. 62:107-115. Ref. July 1951. 448.3 J82
Includes material on bovine mastitis.
- 76327 SELLERS, A. F., and ROEPKE, M. H. Studies of electrolytes in body fluids of dairy cattle. I. Effects of water diuresis on renal excretion of several elements. Amer. J. Vet. Res. 12:183-186. Ref. July 1951. 41.8 Am3A
- 76328 SINGH, G. B. A case of omasal fitula in a bullock. Indian Vet. J. 27:449-452. May 1951. 41.8 In2
- 76329 SLIJPER, E. J. On the hump of the zebu and zebu-crosses. Hemera Zoa 58:6-47. Ref. Jan./Feb. 1951. 41.8 V51
- 76330 SMITH, J. V. State livestock disease control. Conn. Dairymen's Assoc. Rpt. Proc. 70:12-16. 1951. 44.9 C769
- 76331 SOLTYS, M. A. Johne's disease in north-west England. Vet. Rec. 63:492-493. July 28, 1951. 41.8 V641
- 76332 SPARAPANI, G. C. Coccidiosis of cattle. (In Italian.) Agr. Ital. 2:289-290. June 1, 1951. 16 Ag822
- 76333 STABLEFORTH, A. W. La penicilina en el tambo. Chacra 21(249):23. Aug. 1951. 9 C34
- 76334 STEWART, J. Control of epizootic disease in the Gold Coast. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(1):399-400. 1945, pub. 1950. 515 C762C
- Rinderpest and pleuropneumonia in cattle.
- 76335 SWANSON, L. E. Liver fluke disease. Fort Dodge Bio-chem. Rev. 21(4):8-9. Winter 1951. 41.8 F772
- Fasciola hepatica and other spp. in cattle.
- 76336 SZABO, L. Problems of infectious pathology associated with infertility in cattle. (In Danish.) Nord. Vetmed. 3:597-608. Ref. July 1951. 41.8 N813
English summary.
- Vaginal and uterine infections.
- 76337 TABLEMAN, H. G. Terramycin ointment: an effective aid in the treatment of bovine mastitis. Vet. Med. 46:373. Sept. 1951. 41.8 M69
- 76338 TERPSTRA, A. Udder inflammations. (In Dutch.) Landboude 5(21):11. May 26, 1951. 12 L234
- 76339 THEILE. Neue massnahmen zur tuberkulose-, abortus-Bang- und trichomonaden-bekämpfung. Tierzucht 5:3-4. Jan. 1951. 49 T443
- Cattle.
- 76340 TURNER, C. W. Anatomy of the udder. V. (Sect. 1-2) The vascular system. Guernsey Breeders' J. [Peterborough] 82:873-875, 890, 1009-1011, 1034-1035, 1037. July 18-Aug. 1, 1951. 43.8 G93
- 76341 VAN DRIMMELEN, G. C. The Brucella ring test for milk of individual cows and its value for determining their status of infection. Onderstepoort J. Vet. Res. 25:39-49. Ref. Jan. 1951. 41.8 On1
- 76342 VIANELLO, G. Gastritis caused by punctures of foreign bodies in cattle (traumatic gastritis). (In Italian.) Humus 7(5):27-28. May 1951. 16 H88
- 76343 WAECHTER, R. P. Tuberculosis and brucellosis control in a rural municipality. Saskatchewan Assoc. Rur. Munic. Rpt. Proc. 46:33-36. 1951. 281.9 Sa72
- Cattle.
- 76344 WASHKO, F. V. Trembles, milk sickness traced to the white snakeroot plant [Eupatorium rugosum]. Polled Hereford World 5(6):26. June 1951. 43.8 P76
- 76345 WHITEHAIR, C. K., and others. A nervous disturbance in cattle caused by a toxic substance associated with mature Bermuda grass. Okla. Agr. Expt. Sta. Misc. P. MP-22:57-59. June 1951. 100 Ok4
H. C. Young, Jr., M. E. Gibson, and G. E. Short, joint authors.
- 76346 WHITTLESTON, W. G. Studies on milk ejection in the dairy cow. The effect of stimulus on the release of the "milk ejection" hormone. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 32(5):1-20. Ref. Feb. 1951. 514 N48A
- 76347 WITTER, J. F. Herd health. Maine Milk Prod. 10(10):1, 4. July 1951. 44.8 M28
Brucellosis control.
- 76348 ZINK, A., DEMELLO, G. C., and BURKHART, R. L. Listeriosis—field and laboratory studies, and aureomycin activity. Amer. J. Vet. Res. 12:194-198. Ref. July 1951. 41.8 Am3A
Field outbreak in cattle.

Miscellaneous

- 76349 ALVES, N. G. Meat cattle. (In Portuguese.) Agr. e Pecuaria 22(331):6-7. Apr. 1951. 9.2 Ag89
- 76350 ARMSTRONG, J. T. Better Dairying Competition. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:21-28. Feb. 1, 1951. 23 T182T
- 76351 ARMSTRONG, J. T. Grade herd recording; annual report, 1949-50. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:182-190. May 1951. 23 T182T
Number of herds and cows and average yield per cow.
- 76352 BEARDSLEY, J. P. Type and production. Jersey B. 70:1126-1127. Aug. 10, 1951. 43.8 J48
Dairy cattle.
- 76353 BENDER. Milchleistungsprüfung und auswertung der jahresergebnisse. Bad. Landwirt. Wchnbl. 118:265. Apr. 28, 1951. 18 B142
- 76354 BERRY, J. C. Qualified—so what?; suggesting a practical and easy way to evaluate ROP records and prepare sire indexes. Holstein-Friesian J. 14(4):17. July 1951. 43.8 H743
- 76355 BERRY, J. C. Testing dairy cattle for production. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:47-48. 1950. 49.9 C166
- 76356 BIEGERT, H. Das höhenfleckvieh auf der DLG-ausstellung Hamburg 1951. Tierzüchter 3:387-389. July 20, 1951. 49 T445
- 76357 BLANCO BLANCO, A. Más sobre la ley que prohíbe la matanza de vaquillas. Agr. Austral 19:94-95. Mar. 1951. 9.3 Ag842
Chile.
- 76358 BRIQUET JUNIOR, R. Forecasting the annual production of a dairy cow. (In Portuguese.) Selec. Agr. 6(62):53-54. June 1951. 9.2 Se4
- 76359 BROWN, J. Master cattleman tells how to raise better calves. Breeder's Gaz. 116(8):8, 34. Aug. 1951. 49 B74
- 76360 CANADA. DEPT. OF AGRICULTURE. PRODUCTION SERV. The Canadian record of performance for purebred dairy cattle; regulations, standards and records of cows qualified for certification, 1948-1949. Ottawa, 1951. 6 v. (Its Report 41) 43.9 C16
Includes Ayrshire, Canadian, Guernsey, Holstein-Friesian, Jersey, Brown Swiss, Red Poll, and Shorthorn.
- 76361 CLEMONS, G. M. La valeur de l'enregistrement. Digeste de l'Eleveur 5(6):7-8. Feb. 1951. 49 D56
Cattle.
- 76362 CRANDALL, W. T. Conditions affecting production of dairy cows. Dairymen's League News 35(15):6. July 24, 1951. 44.8 D1432
- 76363 CRISEMAN, Rendement de la production lactée; normes alimentaires de la vache laitière. (Abs.) Cahiers de Méd. Vet. 20:44-45. Mar./Apr. 1951. 41.8 C11
- 76364 CULLITY, M. Dairy herd improvement scheme; grade herd recording. J. Agr. West. Austral. (ser. 2) 27:357-385. Dec. 1950. 23 W52J
- 76365 DARLOW, A. E., and others. A test to determine the response of cattle of different "types." Okla. Agr. Expt. Sta. Misc. P. MP-22:22-26. June 1951. 100 Ok4
O. B. Ross, J. M. Halbert, and W. D. Campbell, joint authors.
- 76366 DICK, I. D. Some results on the accuracy of milk sampling over a complete lactation and the daily variability in milk yields. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 32:25-29. June 1950, pub. Jan. 1951. 514 N48A
- 76367 DOWDALL, R. C. Steer roping. Gaucho style West. Horseman 16(8):6-7, 32-33. Aug. 1951. 42.8 W522
- 76368 FARLEY, F. W. The auction way is a good way. Polled Hereford World 5(6):42. June 1951. 43.8 P76
Polled Herefords.

76369 FARLEY, F. W. The finished-fat steer is the ultimate goal. Polled Hereford World 5(6):28. June 1951. 43.8 P76

76370 FLAMIGNI, A. Le gros bétail au Mayumbe. Cour. Agr. 16(10):1-2. (Cont.) May 9, 1951. 24 C83 Cattle care.

76371 GOUGLER, P. D. What is the best type steer? Prog. Farmer, Tex. Ed. 66(8):24,77. Aug. 1951. 6 T311

76372 GT. BRIT. MILK MARKETING BOARD. National milk records; report for the year ended 1st October 1950, England & Wales. Thames Ditton, Surrey, 1951. 134 p. 43.9 G792

76373 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Circumstances affecting the composition of milk. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 29,4 p. Apr. 1951. 10 G79La

Effects of breeding, milking, and other factors.

76374 HAAVE, K. The State-county exhibition in Lillestrøm. (In Norwegian.) Norsk Landbr. 17:295-296. Aug. 3, 1951. 11 N8122

Bulls.

76375 HECKER. Die melklehrerausbildung an der Bayer. Landesanstalt für Tierzucht in Grub. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 9/10:7-10. 1951. 49 B32

76376 HILLIER, R. Selección de la vaca lechera. Ceres [Valladolid] Sup. Inform. 16(439):10. June 15, 1951. 15 C33 Suppl

76377 HOLLAND, C. A. Increasing dairying efficiency. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:5-14. Feb. 1, 1951. 23 T182T

Planning work on the dairy farm.

76378 LAUB, A. Wie kann das gegenseitige belecken der Kälber am einfachsten verhindert werden? Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 11/12:31-33. 1951. 49 B32

76379 MANNIGEL, R. Die bedeutung der milchleistungsprüfung für eine einwandfreie milcherzeugungstaktik. Tierzucht 5:4-6. Jan. 1951. 49 T443

76380 MOLDENHAUER, H. Der viehwirtschaftsberater im bereich der ortvereinungen. Tierzucht 5:2-3. Jan. 1951. 49 T443

76381 MOSLE, H. B. Let the \$ sign be your guide! Ayrshire Digest 37:445,493,495. Aug. 15, 1951. 43.8 Ay7 Successful dairy farming.

76382 NEWELL, P. How to grow beef in the Delta. Prog. Farmer, Miss.-Ark.-La. Ed. 66(8):17,68. Aug. 1951. 6 So81

76383 OBRITZHAUSER, W. Wie erreiche ich einen höheren fettprozentgehalt der milch? Pflug 4:99-101. May 1951. 19 P48

Breeding, feeding, and care.

76384 OUELLET, A. L'élimination dans les troupeaux laitiers. Digeste de l'Eleveur 5(8):7-9. Apr. 1951. 49 D56

76385 PARSONS, M. S. When should you cull low producing cows? Hoard's Dairyman 96:576-577. July 25, 1951. 44.8 H65

76386 PERRY, E. J. Wanted: more long-lived cows. Guernsey Breeders' J. [Peterborough] 82:1166-1167. Aug. 15, 1951. 43.8 G93

Culling.

76387 PETERS, H. F. Wintering range calves. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:22-23. 1950. 49.9 C166

76388 PICCOLI, G. Considerations on cattle exhibited at the Verona Fair. (In Italian.) Agr. delle Venezie 5:210-214. Apr. 1951. 16 Ag826

76389 PULVER, W. Wood chips as bedding. Pa. Forests 36(346):18-20. Winter 1951. 99.8 F763

For dairy cattle.

76390 RICH, L. H. Dairy lifetime records and production leaders in Utah. Utah. State Agr. Col. Ext. B. 236,22 p. n.d. 275.29 Utl

76391 RIEDER, J. Zur diskussion über offenställe. Grüne 79:555-568. May 18, 1951. 17 Sch9

For dairy cattle in Switzerland.

76392 ROHLFE. Jubiläumsschau der Osnabrücker Herdbuchgesellschaft. Tierzüchter 3:396-398. July 20, 1951. 49 T445

Cattle.

76393 ROUX, P. Une stratégie zootechnique de la production du lait en France. Ann. de la Nutr. et de l'Aliment. 5:71-85. 1951. 389.8 An73

Includes discussion.

76394 SCHAFER, H. Milchmenge oder fettgehalt? Milchwissenschaft 6:228-231. July 1951. 44.8 M5933

English summary.

Dairy cattle production.

76395 SCHNEIDER, V. What we have learned from eight years of fast milking. Successful Farming 49(8):42,104,106-107. Aug. 1951. 6 Su12

76396 SMITH, D. M. Red Bluff, the sale that grading made. Calif. Cattleman, Aug. 1951:6-7. 43.8 C12

76397 TRIMBERGER, G. W. What is a great cow? Ayrshire Digest 37:444,510. Aug. 15, 1951. 43.8 Ay7

76398 ZEZZOS, R. Cattle in story and legend. (In Italian.) Allevatore 7(30):7. July 29, 1951. 49 AL55

76399 ZORN, W. Die natürlichen Grundlagen einer erfolgreichen Viehwirtschaft. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 11/12:3-7. 1951. 49 B32

76400 ZORN, W. Die Steigerung der Milchfetterzeugung durch Haltungsmassnahmen. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 9/10:3-7. 1951. 49 B32

DOGS AND CATS

Breeds and Breeding

76401 DUBUIS, E. M. Science and your Cocker—the road to better Cockers. Wagging Tail 6:8-12,14. June 1951. 48.8 W12

Genetics.

76402 DUNKELS, J. The Boxer handbook. London, Nicholson & Watson, 1951. 118 p. (The Dog Lovers' Library) 48 D92

76403 GORDON, D. M. The Boxer; a complete presentation, with illustrations, of the origin, development, breeding, showing, training, kenneling, feeding, and general care of this breed of dog. Ed. 4. Chicago, Judy Pub., 1951. 175 p. 48 G65

Page 93 to 174 by W. Judy.

76404 GORDON, J. F. The Staffordshire Bull Terrier handbook. London, Nicholson & Watson, 1951. 116 p. (The Dog Lovers' Library) 48 G652

76405 GREENE, C. B. Let there be a revolution.

Cocker Spaniel Visitor 13(5):13-15. May 1951. 48.8 C64 Cocker Spaniel shows and judging.

76406 KLUB FÜR TERRIER. Zuchtbuch des Klub für Terrier e. V. Sitz Frankfurt am Main i. VDH, v. 40 (1949). Frankfurt am Main, Kern & Birner, 1951. 368 p. 48.9 K69

76407 LAUDER, P. Siamese cats. London, Williams & Norgate, 1950. 96 p. 48 L36

76408 MOUTTE, P. Chiens anglais, chiens français. Réveil Agr. 60:217-218. July 15, 1951. 14 R322

76409 SOYA-JENSEN, E. Airedale-terrieren [Airedale Terrier]. Ed. 2. København, Clausen, 1950. 54 p. 48 So9A

76410 STEFFENS, H. Erbwert und erscheinungsbild. Deut. Kleintier-Züchter 6(2):8-9. Jan. 20, 1951. 49 Su22 Dogs.

76411 STEFFENS, H. Der kurzhaarige deutsche Vorstehhund. Deut. Kleintier-Züchter 6(3):1-2. Feb. 5, 1951. 49 Su22

76412 STEFFENS, H. Der Setter. Deut. Kleintier-Züchter 6(10):1-3. May 20, 1951. 49 Su22

76413 VERSTEEG, H. Nos chiens: le Terre-Neuve. Cour. Hort. 13:208. Apr. 1951. 80 C834

Feeds and Feeding

76414 MILK as a food [for dogs]. Bloodlines 34(4):3, 13. May/June 1951. 48.8 B62

76415 RICKETTS, V. L. Feeding problems. All-Pets Mag. 22(6):38-40. June 1951. 48.8 AL5 Dogs.

76416 ROSENTHAL, H. L., and ALLISON, J. B. Some effects of caloric intake on nitrogen balance in dogs. J. Nutr. 44:423-431. Ref. July 10, 1951. 389.8 J82

Veterinary Medicine

76417 ADOLPH, E. F. Responses to hypothermia in several species of infant mammals. Amer. J. Physiol. 166:75-91. Ref. July 1, 1951. 447.8 Am3 Includes cats and hamsters.

76418 ALEXANDER, W. F. The use of cortisone in the treatment of severe burn in a dog. Sowest Vet. 4(3):10-12. Mar. 1951. 41.8 So82

76419 ALLEN, W. F. Effects of sectioning pyramidal or extrapyramidal tracts on positive and negative conditioned reflexes in dogs. Amer. J. Physiol. 166:176-184. Ref. July 1, 1951. 447.8 Am3

76420 BAMBERGER, J. W., and MARTIN, W. E. Effect of size of infective dose, partial ileectomy, and time on intensity of experimental infections of Euphalor-chis californiensis Martin, 1950 (Trematoda) in the cat. J. Parasitol. 37:387-391. Ref. Aug. 1951. 448.8 J824

- 76421 BELCHER, J. Leptospirosis infection in the dog (a review of symptoms and treatment). *Vet. Sci. News* 5: 11-15. Feb. 15, 1951. 41.8 V6492
- 76422 BENTOLILA, L., and RABASA, S. L. Spontaneous animal allergy; report of a case [in a dog]. *Ann. Allergy* 9:477-480. July/Aug. 1951. 448.8 An72
- 76423 BRANDER, G. C. Ecto-parasites of the dog. *Vet. Rec.* 63:465-469. July 14, 1951. 41.8 V641
Includes discussion.
Lice (*Trichodectes canis* and *Linognathus setosus*), fleas (*Ctenocephalides canis*), mange mites (*Sarcoptes scabiei* suis, *Otodectes cynotis*, and *Demodex canis*), and ticks (*Ixodes ricinus*, *I. hexagonus*, *I. canisuga*, and *Haemaphysalis cinnabarina*).
- 76424 BRECHER, G., and CRONKITE, E. P. Lesions of the alimentary tract of dogs exposed to whole body X-radiation of 300 to 3,000 R. (Abs.) *Amer. J. Path.* 27: 676-677. July/Aug. 1951. 448.8 Am39
Includes discussion.
- 76425 CHENNELLS, M., FLOYD, W. F., and WRIGHT, S. The action of di-isopropylfluorophosphate on the central nervous system of the cat. *J. Physiol.* 114: 107-118. June 29, 1951. 447.8 J82
- 76426 DOUGLAS, W. W., and others. Distribution of histamine and substance 'P' in the wall of the digestive tract of the dog. *J. Physiol.* 114:14 P. June 29, 1951. 447.8 J82
W. Feldberg, W. D. M. Paton, and M. Schachter, joint authors.
- 76427 EDDS, G. T. Heartworm infection. *Fort Dodge Bio-chem. Rev.* 22(1):6-7. July 1951. 41.8 F772
In dogs.
- 76428 EGGLETON, M. G., and HABIB, Y. A. Urinary excretion of ferrocyanide in the cat. *J. Physiol.* 114:199-207. Ref. June 29, 1951. 447.8 J82
- 76429 FARLEY, T. Distemper. *Fur-Fish-Game* 46 (7):54-55. July 1951. 410 F962
Dogs.
- 76430 GONZAGA, A. C., and GABUTEN, A. R. A study on the intravenous use of formalin as a hemostatic in dogs. *Indian Vet. J.* 27:411-416. May 1951. 41.8 In2
- 76431 GUNTER, R. The absolute threshold for vision in the cat. *J. Physiol.* 114:8-15. June 29, 1951. 447.8 J82
- 76432 HOERLEIN, B. F. Further studies on the chemical treatment of soil infected with larvae of the dog hookworm (*Ancylostoma caninum*). *Vet. Med.* 46:350-355. Sept. 1951. 41.8 M69
- 76433 KAZZAZ, D. S., and TABBARA, R. The effect of Repodral (Fuadin) on the electrocardiogram of the dog. *Amer. J. Trop. Med.* 31:510-513. July 1951. 448.8 Am33
- 76434 KENNEY, R. A., NEIL, E., and SCHWEITZER, A. Carotid sinus reflexes and cardiac output in dogs. *J. Physiol.* 114:27-40. Ref. June 29, 1951. 447.8 J82
- 76435 KOROL, K. Therapeutische versuche mit dem hundespulwurm T 124. *Ochsenfurt am Main, Weltz*, 1950. 31 p. 436 K842
- 76436 LABLANC, R. H. Anomaly of the cat. *Iowa Acad. Sci. Proc.* 57:465-466. 1950. 500 I093
- 76437 LANGHAM, M. Secretion and rate of flow of the aqueous humour in the cat. *J. Physiol.* 114:13 P. June 29, 1951. 447.8 J82
- 76438 LOWRY, R. K. Dogs: to spay or not to spay. *All-Pets Mag.* 22(6):37, 41-42. June 1951. 48.8 AL5
- 76439 LUCAM, F., and GORET, P. Ovoculture du virus de l'hépatite contagieuse du chien (fox encephalitis) adapté au Furet. *Acad. des Sci. Compt. Rend.* 233:277-279. July 16, 1951. 505 P21
- 76440 MASINI, A., and NOVELLI, A. Observations on the effects produced by electric shock in puppies. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:1135-1136. July 1950. 442.8 So12
- 76441 MASINI, A., and TRASINO, M. On the hypophysis of puppies given electric shock. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:1136-1137. July 1950. 442.8 So12
- 76442 MASINI, A., and NOVELLI, A. On the presence of renal changes in puppies given electric shock. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:1132-1133. July 1950. 442.8 So12
- 76443 MASINI, A., and TRASINO, M. On the thymus of puppies given electric shock. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:1137-1138. July 1950. 442.8 So12
- 76444 MORSE, E. V. The epizootiology of canine leptospirosis. *Vet. Sci. News* 5:9-11. Ref. Feb. 15, 1951. 41.8 V6492
- 76445 MULLIGAN, R. M., and FRANCIS, K. C. Weights of thyroid and parathyroid glands of normal male dogs. *Anat. Rec.* 110:139-143. June 1951. 447.8 An1
- 76446 NOVELLI, A., and MASINI, A. Observations on the thyroid gland in puppies given electric shock. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:1133-1135. July 1950. 442.8 So12
- 76447 OJHA, K. N., and WOOD, D. R. Gastric secretion in spayed female cats and the effect of stilboestrol. *J. Physiol.* 114:8 P. June 29, 1951. 447.8 J82
- 76448 PETTY, W. V. A new preparation for the treatment of canine dermatoses. *Vet. Med.* 46:363, 376. Sept. 1951. 41.8 M69
- 76449 PRÉVOT, A. R., and others. Recherches bactériologiques sur une infection purulente d'allure actinomycosique chez le chat. *Inst. Pasteur. Ann.* 81:85-88. July 1951. 448.3 An75
P. Goret, L. Joubert, P. Tardieux, and N. Aladame, joint authors.
- 76450 REICHMUTH, W. Ueber die toxischkeit der rattenvertilgungsmittel Muritan und Rumetan für hunde; bemerkungen zur arbeit von G. Ballhaus und D. Krause. *Deut. Tierärztl. Wchnschr.* 58:220-221. July 15, 1951. 41.8 D482
- 76451 RIGDON, R. H., and SWANN, H. G. Pathologic lesions in adrenal glands of dogs after fulminating anoxia. (Abs.) *Amer. J. Path.* 27:723-724. July/Aug. 1951. 448.8 Am39
Includes discussion.
- 76452 SCHEIN, H. W. Anuria and dysuria in the male cat. *Vet. Med.* 46:372-373. Sept. 1951. 41.8 M69
- 76453 SCHOOP, G. Otitis externa, eine blastomykose? *Deut. Tierärztl. Wchnschr.* 58:216-217. July 15, 1951. 41.8 D482
In a dog.
- 76454 SINGH, G. B. Pus in the antrum of a dog. *Indian Vet. J.* 27:452-453. May 1951. 41.8 In2
- 76455 WILKINSON, G. T. A case of recent uterine rupture in a cat. *Vet. Rec.* 63:470-471. July 14, 1951. 41.8 V641
- 76456 WOTTON, R. M., and MARTIN, A., JR. The reaction of the lung in the cat toward oil droplets in the circulation. *Anat. Rec.* 110:267-273. June 1951. 447.8 An1
- 76457 WOTTON, R. M., and VILLAGE, P. A. The transfer function of certain cells in the wall of the Graafian follicle as revealed by their reaction to previously stained fat in the cat. *Anat. Rec.* 110:121-127. Ref. June 1951. 447.8 An1

Miscellaneous

- 76458 CASTAING, J. Chasses et chiens d'arrêt. *Chasse, Chiens et Vénérerie* 12(1):12-13. Feb. 1951. 48.8 C43
- 76459 FARLEY, T. How to pick a pup. *Fur-Fish-Game* 46(7):40-41. July 1951. 410 F962
- 76460 GRAY, A. W. The law on sheep killing dogs. *Breeder's Gaz.* 116(8):18. Aug. 1951. 49 B74
- 76461 GROENEWALD, A. Do you know your best friend? (In Afrikaans.) *Landbouweekblad* 33(1663):9. May 30, 1951. 24 L232
Dogs.
- 76462 LOWRY, R. K. Stay home, puppy raisers! *All-Pets Mag.* 22(7):41-42. July 1951. 48.8 AL5
- 76463 MALASCH, G. Gebrauchshunde und ihre Ausbildung. *Deut. Kleintier-Züchter* 6(6):1-2. Mar. 20, 1951. 49 Su22
Also in *Kleintierzüchter Tierbörse* 5(9):1-2. Mar. 20, 1951. 49 K672
- 76464 MONTEIRO, M. Why the dog barks, whines, and howls during the night, and how to cure this evil. (In Portuguese.) *Fauna [São Paulo]* 10(3):27-29. Mar. 1951. 410 F272
- 76465 MOUTTE, P. Chien ou chienne? *Révell Agr.* 60:202-203. July 1, 1951. 14 R322
For hunting.
- 76466 MOUTTE, P. Chiens de race et quelques défauts. *Révell Agr.* 60:106-107. Apr. 1, 1951. 14 R322
- 76467 O'NEILL, G. Successful cat show management. *All-Pets Mag.* 22(7):44, 46, 49. July 1951. 48.8 AL5
- 76468 PARKER, E., and SMITH, A. C. The dog-lover's week-end book. London, Seeley, 1950. 399 p. (The Week-end Library) 48 P22
- 76469 SMITH, C. E. Two bad predators; the farmer's dog, and his cat. *Fur-Fish-Game* 46(6):40-41. June 1951. 410 F962
- 76470 STETSON, J. Gun dogs: to show or not to show. *Field & Stream* 56(4):103-104. Aug. 1951. 410 F45
- 76471 TROY, W. N. Are cats the PCO's biggest competitor? *Pest Control* 19(7):14, 16. July 1951. 449.8 Ex8
Cats as public menace.

76472 UZÉ, M. Le chien dans la nature, dans l'histoire & dans l'art. Paris, Editions de Varenne, 1951. 64 p. 48 Uz3

FUR ANIMALS - PEN RAISED

Breeds and Breeding

76473 GLADFELTER, M. R., and others. Will Aleutians answer the trade's demand for a dark blue mink? Amer. Fur Breeder 24(6):17,44-47. June 1951. 410 Am33

W. S. Cox, E. O. Weisman, and M. Dederer, joint authors.

76474 MCNICHOL, H. L. Sperm search in mink. Fur-Fish-Game 46(7):42-43. July 1951. 410 F962

76475 PANGBORN, S. W. Basic breeding principles and genetics in herd improvement. Natl. Chinchilla Breeder 7(6):15-16,34,36-37. Aug. 1951. 412.628 N21

76476 REICHERT, E. Die waschbärzucht der letzten 20 Jahre. Deut. Pelztierzüchter 25:18-19. Jan. 25, 1951. 412.628 D48

76477 ROBERTS, W. L. Recent experiments prove diethylstilbestrol will make female mink sterile. Pelletteries du Québec 16(5/6):14-15. May/June 1951. 412.628 P36

From poultry waste.

76478 STUBBLEFIELD, J. W. New program in artificial insemination. Natl. Chinchilla Breeder 7(6):29. Aug. 1951. 412.628 N21

76479 WOOD, A. E. The relationships of the chinchilla; an introduction to the classification of chinchillas in the animal world. Natl. Chinchilla Breeder 7(6):11,38. Aug. 1951. 412.628 N21

Feeds and Feeding

76480 GIROLAMO, A. DE. Feeding of nutria. (In Italian.) Bari U. Facoltà di Agr. Ann. 7:87-106. 1950. 105.4 B232

76481 THIERSTEIN, O. The importance of yeast cultures in feeding. Amer. Fur Breeder 24(7):10-11,30-32. July 1951. 410 Am33

Mink rations.

Veterinary Medicine

76482 BAKER, G. A., and GORHAM, J. R. A technique for bleeding ferrets and mink. Cornell Vet. 41:235-236. July 1951. 41.8 C81

76483 DECHANT, C. J. Practical treatment of "slobbers" or malocclusion. Natl. Chinchilla Breeder 7(6):12-13. Aug. 1951. 412.628 N21

76484 ENIGK, K. Zur biologie und bekämpfung des harnblasenwurmes [Capillaria plica] des Silberfuchses. Deut. Pelztierzüchter 25:128-129. July 25, 1951. 412.628 D48

76485 GORHAM, J. R., and BAKER, G. A. Vitamin E tends to prevent yellow fat. Black Fox Mag. & Mod. Mink Breeder 35(3):14,25. July 1951. 410 B56

Minks.

76486 GUNN, C. K. Bone growth in foxes. Natl. Fur News 23(7):12-13,25-27. Aug. 1951. 412.628 R59

76487 HARRIS, L. E., BASSETT, C. F., and WILKE, C. F. Control of fox parasites. Natl. Fur News 23(7):9. (Cont.) Aug. 1951. 412.628 R59

76488 HURD, R. Chinchilla fits. Fur Trade J. Canada 28(11):19-21. July 1951. 410 F965

Caused by thiamine and mineral deficiencies, and intestinal irritation.

76489 KENNEDY, A. H. Fatty degenerative conditions affecting mink. (Sum.) Fur Trade J. Canada 28(11):14,25. July 1951. 410 F965

76490 TRONSLIEN, K. On the molting and fur development of mink. (In Norwegian.) Norsk Pelsdyrb. 25:306-307. June 20, 1951. 412.628 N812

Miscellaneous

76491 AMERICAN NATIONAL FUR BREEDERS ASSOCIATION. WASHINGTON COMMITTEE. Report. Amer. Natl. Fur & Mkt. J. 30:5,13. Aug. 1951. 412.629 Am3M

76492 BACHMANN, E. So this is nutria! Frontiers 15:140-141,154. June 1951. 410 F92

76493 DAHL, M. N. Let's give the fox a break. Natl. Fur News 23(7):16-17,25. Aug. 1951. 412.628 R59

Care.

76494 GEORGE, W. H. Comments on grading and inspection. Natl. Chinchilla Breeder 7(6):7,38-39. Aug. 1951. 412.628 N21

76495 LANDON, H. I. Mink markets need a strong foundation. Amer. Fur Breeder 24(8):14,36-37. Aug. 1951. 410 Am33

Also, with title "Vitamins, vaccines and merchandising," in Natl. Fur News 23(7):18,22. Aug. 1951. 412.628 R59

76496 MONSMA, L. E. Fur animals. (In Afrikaans.) S. A. P. A. Poultry B. 15(165):9,11. June 1951. 47.8 So89

76497 STEPHENSON, R. G. Important need will be filled by [fur farm] research fund. Black Fox Mag. & Mod. Mink Breeder 35(2):9,19. June 1951. 410 B56

76498 WALTER, H. H. Auch waschbaren sind rentabel. Österr. Kleintierzüchter 11/12:974. June 1951. 49 Os7

76499 ZIESKE, R. Gegenwärtige aussichten der chinchillazucht in Deutschland. Deut. Pelztierzüchter 25:125-128. (Cont.) July 25, 1951. 412.628 D48

HORSES AND MULES

Breeds and Breeding

76500 BILKE. Vom Marbacher Normannen, von bodenständigkeit hengstwahl und rassefragen. Tierzüchter 3:389-393. July 20, 1951. 49 T445

76501 COCHRAN, K. The C.T.B.A. [California Thoroughbred Breeders Association] its history. Thoroughbred Calif. 12:418,436,438. (Cont.) May 1951. 42.8 T393

76502 CZARNOCKI, J., DOMANSKI, A., and PRAWO-CHENSKI, R. Typ pogrubionego konia roboczego w Lowickiem. The type of draft horse in Lowicz District. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. E 5,239-254. Ref. 1950. 512 L96Ae

English summary.

76503 ESTES, J. A. Average-earnings index; the broodmare sires of 1950 ranked by average earnings. Blood-Horse 62:392-393. Aug. 18, 1951. 42.8 T392

76504 ESTES, J. A. Male lines: random comment on the decline of dynasties. Blood-Horse 62:86-87,108. July 14, 1951. 42.8 T392

76505 ESTES, J. A. Sires in Great Britain, 1950, ranked by average earnings. Blood-Horse 62:428-429, 432. Aug. 25, 1951. 42.8 T392

76506 HATLEY, G. Appaloosa gain national and state recognition. Canad. Cattlemen 14(5):32. May 1951. 49 C16

76507 JORDÃO, L. P., CAMARGO, M. X. DE, and GOUVEIA, P. F. Reproductive efficiency of the Mangalarga stock at the Coudelaria Paulista. (In Portuguese.) B. de Indús. Anim. (n.s.) 11(3/4):52-80. Ref. Dec. 1950. 49 R324

English summary.

76508 KENNEDY, F. The Appaloosa in Canada and its history. Canad. Cattlemen 14(5):32-33. May 1951. 49 C16

76509 KENNEDY, F. The light horse of today; like the famous pickles, there are nearly 57 varieties. Canad. Cattlemen 14(5):6,40-41. May 1951. 49 C16

76510 KENNEDY, F. Shetland Ponies. Canad. Cattlemen 14(5):7. May 1951. 49 C16

76511 KENNEDY, F. Tennessee Walking Horses. Canad. Cattlemen 14(5):12-13. May 1951. 49 C16

76512 LÖWE. Parade der deutschen pferdezucht. I. Kaltblutpferde, ponies und kleinpferde. Neue Mitt. f. die Landwirt. 6:459-461. July 14, 1951. 18 N39

76513 MALIEPAARD, C. H. J., ed. Trekpaarden [Draft horses]. Amsterdam, Contact, 1950. 68 p. 42 M292

76514 MOOIMAN, J. The Persian and Arabian horse. So. African Saddle Horse 2(8):11. (Cont.) July 1951. 42.8 So8

76515 NORTON, D. M. A brief history of the Palomino. Horse Lover 15(6):26-27,65. Apr./May 1951. 42.8 H7852

76516 NORTON, D. M. Palominos in B. C. Canad. Cattlemen 14(5):34-35. May 1951. 49 C16

76517 NYE, N. C. Thoroughbred blood and its influence on the breeding of Quarter horses. Horse Lover 15(6):14-15,60. Apr./May 1951. 42.8 H7852

76518 PECKINPAH, R. L. Outstanding Appaloosa bloodlines. 4. Horse Lover 15(6):22-23,64. Apr./May 1951. 42.8 H7852

76519 WILSON, L. Improve with the Arabian. Canad. Cattlemen 14(5):10-11. May 1951. 49 C16

Veterinary Medicine

- 76520 ALICE, F. J. Equine encephalomyelitis [eastern type] in Bahia: study of three isolated strains. (In Portuguese.) *Rev. Bras. de Biol.* 11:125-144. Ref. June 1951. 442.8 R326
English summary.
- 76521 BEIJERS, J. A. Clinical observations on auricular fibrillation in horses and cattle. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:540-552. July 15, 1951. 41.8 T431
- 76522 BOUGHTON, D. C. Phenothiazine controls strongyles. *Md. Horse* 16(8):22-25. Aug. 1951. 42.8 M36
- 76523 BRION, A. Sur le mécanisme de l'immunisation de la jument mulassière par son produit. Lésions utéro-placentaires. *Acad. des Sci. Compt. Rend.* 232: 2158-2159. June 4, 1951. 505 P21
- 76524 BRITTON, J. W. Care of the foaling mare. *Horse Lover* 15(6):54. Apr./May 1951. 42.8 H7852
- 76525 BRUNER, D. W. Notes on genital infection in the mare. *Cornell Vet.* 41:247-250. July 1951. 41.8 C81
- 76526 FRIEDRICHS, E. Betrachtungen über die Bornasche krankheit der einhufer. Berlin. u. Münch. Tierärztl. Wchnschr. 5:89-94. May 1951. 41.8 B45
- 76527 GLYNN, L. L. Vet's corner. *West. Horseman* 16(8):22-23. Aug. 1951. 42.8 W522
Trimming horses' hoofs.
- 76528 HALLENBORG, T. Myoglobinuria in horses. (In Swedish.) *Nord. Vetmed.* 3:642-645. July 1951. 41.8 N813
English summary.
- 76529 HARTWIGK, H. Ist eine vereinfachung der komplementbindung bei der serologischen untersuchung von blutproben auf rotz, beschälseuche, brucellose und tuberkulose möglich? *Monatsh. f. Vetmed.* 6:249-251. July 1, 1951. 41.8 M742
Glanders, dourine, bovine brucellosis and tuberculosis.
- 76530 HENDERSON, J. Use of the Kirschner splint in reduction of metatarsal fracture in a filly. *Sowest. Vet.* 4(3):37. Mar. 1951. 41.8 So82
- 76531 KINTNER, J. H. Grayson Foundation and equine influenza. *Blood-Horse* 62:296-297, 314. Aug. 4, 1951. 42.8 T392
- 76532 KUMMER, H. Vergiftungen bei pferden durch adonis in luzerneheu. *Bad. Landwirt. Wchnbl.* 118:340. June 2, 1951. 18 B142
- 76533 LEONHARDT, H. Beitrag zu den begleitumständen der bornaschen krankheit. *Monatsh. f. Vetmed.* 6: 257-259. Ref. July 1, 1951. 41.8 M742
Horses.
- 76534 LEONHARDT, H. Inkazeration eines ovariums im foramen epiploicum als "kolik"-ursache. Berlin. u. Münch. Tierärztl. Wchnschr. 5:99-100. May 1951. 41.8 B45
In a mare.
- 76535 LI ROSI, N. El electrocardiograma normal en el equino Pura Sangre de Carrera. *Gac. Vet.* 13:55-61. Mar./Apr. 1951. 41.8 G112
- 76536 QUINLAN, J., VAN RENSBURG, S. W. J., and STEYN, H. P. The oestrous cycle of the mare when maintained under stabled conditions with restricted exercise at Onderstepoort. *Onderstepoort J. Vet. Res.* 25:105-119. Ref. Jan. 1951. 41.8 On1
- 76537 RAADSHOOVEN, F. H. VAN. Strongylosis of the horse. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:591-598. July 15, 1951. 41.8 T431
- 76538 ROBERTSON, R. H. Unusual fractures in race ponies. *Roy. Army Vet. Corps. J.* 22:62-63. June 1951. 41.8 G79
- 76539 SORIA, G. E. Un caso típico de gabarro cartilaginoso. *Chacra* 21(249):20-21. Aug. 1951. 9 C34
- 76540 STENBERG, L. Better give than take. (In Swedish.) *Labor [Helsingfors]* 35(1):13-15; (2):6-7; (4):2, 4-5. Feb. 5-May 23, 1951. 20 L11
Diseases of horses in Finland.
- 76541 TAEGLE, B. Preparturient non-infectious mastitis. *Sowest. Vet.* 4(3):37. Mar. 1951. 41.8 So82
In a mare.
- 76542 THIJE, J. H. TEN. Importance of the biopsic method in sterility examination. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:599-603. July 15, 1951. 41.8 T431
Of mares and cattle.
- 76543 TOYGARLI, S. A. Über je zwei fälle von präputium- und peniskarzinom beim pferd. *Monatsh. f. Vetmed.* 6:256-257. July 1, 1951. 41.8 M742
- 76544 ULLBERG, S. Employment of procaine penicillin in horse and dog. (In Swedish.) *Nord. Vetmed.* 3: 575-596. July 1951. 41.8 N813
English summary.

76545 U. S. BUR. OF ANIMAL INDUSTRY. Report on infectious equine encephalomyelitis in the United States in 1950, by B. T. Simms. Washington, 1951. 4 p. 1.9 An5Rep

76546 WRIGHT, N. Hereditary diseases of horses. *Canad. Cattlemen* 14(5):16-17, 20-21, 24-25, 28. May 1951. 49 C16

76547 ZILJ, W. J. VAN. Electrocardiographic observations on auricular fibrillation in horse. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:553-555. July 15, 1951. 41.8 T431

Miscellaneous

76548 ALBURQUERQUE, F. El caballo, una riqueza fabulosa y facil. Madrid, Hernando, 1950. 262 p. (La Riqueza en la Mano [v.15]) 42 AL12

76549 ARÁN, S. El caballo de tiro en España. *Cult. Mod.* 34:130-132. Apr. 1951. 15 C89

76550 BIMBERG, E. L. Horse shows in Europe. *Rider & Driver* 103(10):6. July/Aug. 1951. 42.8 R43

76551 CAJAL, A. Que tipo de caballo conviene para las distintas zonas del país? *Chacra* 21(248):12-13. July 1951. 9 C34
Argentina.

76552 CARSON, B. L. Equine art on the postage stamp. X-XI. *Natl. Horseman* 87(8):48; (9):20. Aug.-Sept. 1951. 42.8 N21

76553 COLENBRANDER. The draft horse at Uthill. (In Dutch.) *Nieuwe Veldbode* 17:651. July 12, 1951. 12 V542N

76554 DOPF, K. Der widerspenstige schimmel. *Kärntner Bauer* 101:275-276. May 15, 1951. 19 K14
Treatment of the horse.

76555 JENNINGS, F. The eternal cycle. *Thoroughbred Calif.* 12:422-424, 426. May 1951. 42.8 T393
Care and breeding.

76556 KENNEDY, F. There's a place for the heavy horse. *Canad. Cattlemen* 14(5):31. May 1951. 49 C16

76557 KNOLL, C. G. Washington "shows the way"; horse breeders of the Evergreen State have encouraged youngsters engaged in 4-H Club horse projects. *Horse Lover* 15(6):35, 61. Apr./May 1951. 42.8 H7852

76558 KONING, H. The draft horse at Uthill. (In Dutch.) *Groninger Landtbl.* 29(25):13. June 23, 1951. 12 G892

76559 LEEUWEN, A. VAN. The use of horses for tilling purposes in Indonesia. (In Dutch.) *Hemera Zoa* 57:743-764. Ref. Dec. 1950. 41.8 V51
English summary.

76560 LEVY, G. M., JR. Identification of horses. *Harness Horse* 16:2850. Aug. 15, 1951. 42.8 H22

76561 LEWIS, G. H. Stable and horse ranch "schools"; youngsters have a golden opportunity to learn while they earn, but there's hard work attached. *Horse Lover* 15(6):20-21. Apr./May 1951. 42.8 H7852

76562 LILIENCRANTZ, H. T. California horses in the "days of the dons"; life was easy, but early settlers of the Golden State took great pride in training and riding their fine saddle stock. *Horse Lover* 15(6):40-41, 63. Apr./May 1951. 42.8 H7852

76563 NIELSEN, K. Om heste [On horses]. Faaborg, 1950. 48 p. 42 N552
In literature.

76564 NORDEN, C. Is that a hack or a three-gaited horse? *So. African Saddle Horse* 2(7):4-5. Apr. 1951. 42.8 So8

76565 RHETT, B. Your horse, madam! *So. African Saddle Horse* 2(7):12-13. Apr. 1951. 42.8 So8

76566 SALAZAR, Z. Mulos castellanos y romos. *Badajoz. Diputación Prov. B. de Inform. Agr. y Ganad.* 9(85):14-21. Mar. 1951. 15 B14

76567 SCHULZE-DIECKHOFF, A. Die DLG-pferdeausstellung in Hamburg. *Tierzüchter* 3:360-364. July 5, 1951. 49 T445

76568 SCOTT, I. H-H-H-H horses; for better horsemen tomorrow, boost 4-H Club horse projects today. *Horse Lover* 15(6):34-35, 62. Apr./May 1951. 42.8 H7852

76569 SPROULE, J. Modern horse training by natural reaction. *Canad. Cattlemen* 14(5):18-19, 22-23. May 1951. 49 C16

76570 STEWART, F. R. Cutting horses. *Nebr. Cattlemen* 7(10):44, 46; (11):28-29. June-July 1951. 43.8 N27

76571 WALL, J. F. The horse and mule in the Army; a brief history. *Md. Horse* 16(8):17-18. Aug. 1951. 42.8 M36

76572 ZWAGERMAN, C. A horse traction center? (In Dutch.) *Nieuwe Veldbode* 17:649-651. July 12, 1951. 12 V542N

LABORATORY ANIMALS, SMALL

Breeds and Breeding

76573 HAAS, 3 Jahre goldhamster-spekulation. Deut. Kleintier-Züchter 6(6):7. Mar.20,1951. 49 Su22
Also in Kleintierzüchter Tierbörse 5(9):7. Mar.20, 1951. 49 K672

76574 REYNOLDS, H. W. The Golden hamster in England. 2-3. All-Pets Mag. 22(6):65,68; (7):66,68. June-July 1951. 48.8 AL5

Veterinary Medicine

76575 ADOLPH, E. F., and LAWROW, J. W. Acclimatization to cold air; hypothermia and heat production in the Golden hamster. Amer. J. Physiol. 166:62-74. Ref. July 1,1951. 447.8 Am3

Miscellaneous

76576 HALEY, J. Cannibalism in hamsters. Amer. Small Stock Farmer 35(9):10-11. June 1951. 48.8 J82

76577 MARIOTH. Ist meerschweinchenzucht rentabel? Deut. Kleintier-Züchter 6(3):7. Feb.5,1951. 49 Su22

76578 SODERBERG, P. M. The case for the cavy. All-Pets Mag. 22(6):66,68. June 1951. 48.8 AL5

POULTRY

Breeds and Breeding

76579 ALARCÓN GONZÁLEZ, J. Inseminación artificial de gallinas y guajolotes. Tierra [México] 6:244-246. Apr.1951. 8 T445

76580 ANIMAL HEALTH TRUST. POULTRY RESEARCH STATION. The report giving the results of artificial insemination carried out at the Lancashire Production and Progeny Trials. Poultry Field 4(4):12-13,16-18. July 5,1951. 47.8 P8655

Report by R. F. Gordon and J. G. Phillips.
Also in Poultry [London] 108:507;109:8,45,62,80. June. 26-July 3, July 17-31, 1951. 47.8 P869

76581 BARTH, R. Der zuchtstand der Brünner kröpfer. Kleintierzüchter Tierbörse 5(7):5-6. Mar.1, 1951. 49 K672

76582 BOGER, A. T., JR. The Flarry Eye Greys. Grit & Steel 53(5):22-23. Sept.1951. 47.8 G88

76583 BROWN, M. W. Buff Orpingtons. The early days of this breed in America. A breed for both fancy and utility. Poultry Press 37(17):8. June 21,1951. 47.8 P8643

76584 BUSS, E. G. A new single pen system for pedigree breeding of turkeys. Colo. Farm & Home Res. [Colo. Sta.] 1(4):6-7. Nov./Dec.1950. 100 C712Co

76585 DIETZE, A. Wo stehen wir in der zucht der gesäumten Wyandotten? Kleintierzüchter Tierbörse 5(2):3-4. Jan.10,1951. 49 K672

76586 DRESSE, O. La tête du cravaté tunisien. Cour Hort. 13:206. Apr.1951. 80 C834

Pigeon.
76587 FREDEEN, H. T., and STOTHART, J. G. The duration of fertility of semen from White Wyandotte and New Hampshire males when inseminated into both breeds of females. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:62. 1950. 49.9 C166

76588 FREDEEN, H. T., and STOTHART, J. G. Inheritance of hatchability in chickens; studies of inheritance of fertility and hatchability in the White Wyandotte. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:57-61. 1950. 49.9 C166

76589 FUNK, R. B. Practical tips for breeding Tipplers. 4. Amer. Pigeon J. 40:230-231. Aug.1951. 47.8 Am35

76590 FUNKE, E. Die Schmöllner trommeltaube. Deut. Kleintier-Züchter 6(4):3. Feb.20,1951. 49 Su22

76591 GARGEN, G. Development of the English Pouter. Amer. Pigeon J. 40:203. July 1951. 47.8 Am35

76592 GORDON, R. F., and PHILLIPS, J. G. Poultry production and progeny trials; report of the results of the artificial insemination. Vet. Rec. 63:503-507. Aug.4, 1951. 41.8 V641

76593 HANEGER, B. Die bedeutung der geflügelherdbuchzucht für die landesgeflügelhaltung. Deut. Wirtgeflügelzucht. 3:401-403. May 26,1951. 47.8 D483

76594 HEINDL, F. Helle Sussex-eine dankbare hühnerrasse. Osterr. Kleintierzüchter 5/6:915. 49 Os7

76595 HENDERSON, E. W. Variation in hatching power between strains of the Dark Cornish and the single comb White Leghorn breeds. Mich. Agr. Expt. Sta. Q. B. 33:401-405. May 1951. 100 M58S

76596 HILGER, R. Hessenkröpfer. Kleintierzüchter Tierbörse 5(7):4-5. Mar.1,1951. 49 K672

76597 HOELSCHER, H. Die erhaltung der zucht-familie; eine entgegnung zu dem aufsatz von W. Menne in nr. 25 und 26. Deut. Wirtgeflügelzucht. 3:388-390. May 19,1951. 47.8 D483

76598 HOLLE MÜLLER, H. V. South American poultry breeds. (In Portuguese.) Fazenda 46(7):37,57. July 1951. 6 H11P

76599 HUTCHINGS, R. S. Light on colour breeding. 3-4. Poultry World 89:175,198. Aug.23-30,1951. 47.8 P8682

76600 HUTT, F. B. Lethal action of the gene for extension of black pigment in the fowl. Genetics 36:213-234. Ref. May 1951. 442.8 G28

76601 HUTTON, J. The Wyandottes. All-Pets Mag. 22(7):59,61. July 1951. 48.8 AL5

Bantams.
76602 JEROME, F. N. O. A. C. [Ontario Agricultural College] experiments to produce an improved broiler through breeding. Canad. Poultry Rev. 75(8):12-14,26. Aug.1951. 47.8 C16

76603 KRONENBERG, W. Gestreifte Italiener im wandel der zeiten. Kleintierzüchter Tierbörse 5(7):1-2. Mar.1,1951. 49 K672

76604 LINDEN, Z. Geflügelzucht und -haltung in Hannover. Deut. Wirtgeflügelzucht. 3:400. May 26,1951. 47.8 D483

76605 LLOYD-THOMAS, W. When bachelor ganders get troublesome. Mod. Poultry Keeping 65:66. July 18, 1951. 47.8 Eg3

76606 MACKLIN, H. P. More on the Show Homer. Amer. Pigeon J. 40:214-215. July 1951. 47.8 Am35

76607 MACKLIN, H. P. Pigeon portraits: discussion of Archangels and Gimples. Amer. Pigeon J. 40:232-233. Aug.1951. 47.8 Am35

76608 MATHWIG, H. Eine lanze für den Posener farbenkopf. Kleintierzüchter Tierbörse 5(6):1-2. Feb. 20,1951. 49 K672

76609 MATOS, G. Lo que se hace en avicultura y lo que debería hacerse: razas de gallinas. III. Mensajero Agr. 57/58:41,46. Jan./Feb.1951. 9.8 M52

76610 MAYSON, T. Strains of Rollers or just Rollers? All-Pets Mag. 22(6):61,63. June 1951. 48.8 AL5

76611 METCALF, E. E. The "White Ace"-partner of the White American. Poultry Indus. [Boston] 56(2):20-21. Aug.1951. 47.8 N44

76612 MONDONÉDO, J. R. Production of broilers from New Hampshire, Los Baños Cantonese, and single comb White Leghorn breeds of poultry. Philippine Agr. 34:49-53. July/Sept.1950. 25 P542

76613 NAETHER, C. Bleeding Hearts. All-Pets Mag. 22(7):62,65. July 1951. 48.8 AL5

Pigeons.
76614 PENSOM, W. H. Birmingham Roller flying in England. Amer. Pigeon J. 40:196-197. July 1951. 47.8 Am35

76615 PENSOM, W. H. The true Birmingham Roller. So. African Poultry, Pigeon & Bird Mag. 78(473):22. June 1951. 47.8 So83

76616 RADFORD, F. W. The Rose Comb Bantam. All-Pets Mag. 22(6):58,60. June 1951. 48.8 AL5

76617 RETZBACH, G. Cröllwitzputen-schwarz-weiss. Deut. Wirtgeflügelzucht. 3:313. Apr.7,1951. 47.8 D483

76618 RÖMPERT. Die Landesverbandsschau in Heidelberg-Kirchheim; ein voller erfolg der nordbadi-schen rassegeflügelzüchter. Kleintierzüchter Tierbörse 5(2):1-2. Jan.10,1951. 49 K672

76619 RÜBENSTRUNK. Abnormitäten unter den hühnerrassen: Augsbürger doppelkämme. Deut. Kleintier-Züchter 6(10):9-10. May 20,1951. 49 Su22

76620 RÜBENSTRUNK. Sachsenhühner. Deut. Kleintier-Züchter 6(1):8-9. Jan.5,1951. 49 Su22

76621 SAMAT, M. Les dessous de l'aviculture officielle. Réveil Agr. 60:216. July 15,1951. 14 R322

Poultry breeding societies.
76622 SAMAT, M. La Marandaise (actuellement). Réveil Agr. 60:169. June 1,1951. 14 R322

76623 SANDOVAL, M. A. Growth and maturity of the first-generation progeny of New Hampshire and S. C. White Leghorn chickens imported from the United States. Philippine Agr. 34:26-33. July/Sept.1950. 25 P542

76624 SCHAFER, N. F. H. My experience with Spangled Swallows. Amer. Pigeon J. 40:228-229. Aug. 1951. 47.8 Am35

76625 SCHEIDING, C. Der blickpunkt (eine kritische stellungnahme zu Zwerghuhnfragen). Geflügelhof 14:315-316. May 11,1951. 47.8 G276

- 76626 SCHEIDLER, S. Arbeiten in der werkstatt des Brieftaubenzüchters. Österr. Kleintierzüchter 7/8:933-934. Apr.1951. 49 Os7
- 76627 SCHEIDLER, S. Hochzeit im Brieftaubenschlag. Österr. Kleintierzüchter 5/6:917. (Concl.) Mar. 1951. 49 Os7
- 76628 SKOGLUND, W. C. Another broiler breed—"Durhams." N. H. Breeder & Broiler Grower 14(2):41. July/Sept.1951. 47.8 N45
- 76629 STEINER, D. Die Cayuga-ente. Geflügelhof 14:368-369. June 1,1951. 47.8 G276
- 76630 STRANSKY, E. Einiges über zwerg-Rhodeländer und zwerg-Hampshire. Österr. Kleintierzüchter 7/8:99-100. Apr.1951. 49 Os7
- 76631 VEENSTRA, J. A. Brahmas. (In Dutch.) Pels en Pluim 6(14):5. July 13,1951. 47.8 P36
- 76632 VRIES, DE. The New Hampshire. (In Dutch.) Pluimveeteelt 4(14):4. July 6,1951. 47.8 P722
- 76633 VRIES, DE. Rhode Island Reds on the farms. (In Dutch.) Pels en Pluim 6(13):1-2. June 29,1951. 47.8 P36
- 76634 WEINMILLER, L. Züchtungslehre für geflügelzüchter. Ed. 2, revised by A. Mehner. Geflügelzucht Bucherei 2,60 p. Ref. 1950. 47.8 G277
- 76635 WENZ, E. Unsere russischen Orloff. Kleintierzüchter Tierbörse 5(3):4. Jan.20,1951. 49 K672
- 76636 WÜEST, J. Aussehen und nutzeigenschaften von entenrassen, die heute in der Schweiz gehalten werden. Geflügelhof 14:363-364. June 1,1951. 47.8 G276
- Feeds and Feeding
- 76637 BARCELO GARCIA DE PAREDES, A. La alimentación mineral en avicultura. Balearic Isl. Diputación Prov. B. de Agr. 80:5. May 1951. 15 B19
- 76638 BASANTA, E. A. La influencia de las vitaminas en la alimentación aviar. Agr. Austral 19:115-117. Mar. 1951. 9.3 Ag842
- 76639 BEARSE, G. E. Value of oats in poultry rations. Washcoegg 29(1):6,15. June 1951. 47.8 W27
- 76640 BEARSE, G. E. Which grains and how much for poultry? Coop. Poultryman 16(7):26-27,39. July 1951. 47.8 C782
- 76641 BERG, L. R. Antibiotics in feeds for broilers. (Abs.) Poultry Indus. [Boston] 56(2):14-15. Aug.1951. 47.8 N44
- 76642 BOBBY, F. C. Trial shows need for vitamin A in diet of laying pullets. New Zeal. J. Agr. 82:311,313-314. Apr.16,1951. 23 N48J
- 76643 BRIGGS, G. M. New nutrition standards for poultry. Feed Age 1(5):36-40. May 1951. 389.78 F327
- 76644 BROOKE, D. Fattening them by $\frac{1}{2}$ by $\frac{1}{2}$. Farmers Wk. [London] 35(2):67. July 13,1951. 10 F2226
- Feeding poultry.
- 76645 BUTTNER, E. E. Pigeon feeding experiments. So. African Poultry, Pigeon & Bird Mag. 78(473):26. (Cont.) June 1951. 47.8 S883
- Green feed.
- 76646 CACIOPPO, F. On the behavior of pigeons fed on a diet lacking in Al, Fe, I, and Mn. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:1345-1347. Aug.1950. 442.8 S012
- 76647 CALDWELL, B. The "F" factor measures production efficiency. Broiler Growing 2(8):16,47. Aug. 1951. 47.8 B782
- Feed conversion divided by average live weight is the ratio named the "F" factor.
- 76648 CARVER, J. S. Turkey feeding and management. Washcoegg 29(2):6,18-19. July 1951. 47.8 W27
- 76649 COMBS, G. F. Broiler nutrition. East. Feed Merchant 2(8):14,50-51. Aug.1951. 389.78 Ea7
- 76650 COMBS, G. F. Green manganous oxide as a source of manganese for poultry. Feedstuffs 23(32):54-55. Aug.11,1951. 286.81 F322
- 76651 COUCH, J. R. Unidentified factors in chick nutrition. Feed Age 1(7):18-21,40. July 1951. 389.78 F327
- 76652 DAVIES, A. C. Suggestions and solutions to overcome the high cost of production. Victorian Poultry J. 37(11):33,35. (Cont.) June 1,1951. 47.8 V662
- Chiefly feeding.
- 76653 DEMERS, J. M. Travaux de nutrition chez le canard domestique (Pékin blanc). Rev. d'Oka 25:61-119. Ref. May/June 1951. 7 Ok1
- 76654 DRIGGERS, C. You can reduce that chicken feed bill by mixing your own ingredients. IV. Mixing your own feed. Fla. Poultry & Dairy J. 17(8):2-3,6,10. Aug. 1951. 47.8 F66
- 76655 FANGAUF, R. Richtlinien für die hähnchenmast. Landfrauenarbeit 16:123-124. Apr.21,1951. 18 L2347
- 76656 GARATTONI, E. How to feed the chickens. (In Italian.) Spezia Agr. 6(6):2. June 1,1951. 16 Sp3
- 76657 GILCH. Grünfütter für geflügel. Deut. Wirtgeflügelzucht. 3:373-374. May 12,1951. 47.8 D483
- 76658 HIRSCHFELD, W. K. APF tests with chickens. (In Dutch.) Tijdschr. v. Diergeneesk. 76:580-583. July 15,1951. 41.8 T431
- 76659 HOGSETT, H. Is feeding chickens becoming a lost art? Natl. Rabbit Raiser & Poultry Grower 18(8):20, 30-31. Apr.1951. 40.28 R11
- 76660 HOOVER, S. R., JASEWICZ, L. B., and PORGES, N. Vitamin B₁₂ in activated sewage sludge. Science 114:213. Aug.24,1951. 470 Sci2
- For poultry feeding.
- 76661 HUNTER, J. E. Two decades of successful poultry feeding. Grain & Feed J. Consolidated 107(2):27-29. July 25,1951. 298.8 G762
- 76662 LAVEZZINI, V. Feeding of poultry. (In Italian.) Avvenire Agr. 59:122-132. May 1951. 16 Av9
- 76663 LEHMANN, I. Anweisungen zur hähnchenmast nach göttinger fütterungsversuchen. Deut. Wirtgeflügelzucht. 3:421-422. June 2,1951. 47.8 D483
- 76664 LIVET, L. L'alimentation des poules. Paysan Franç. 27(403):8. July 1951. 14 P29
- 76665 MARTEL, F., GAUDRY, R., and GINGRAS, R. Remplacement partiel de l'arginine par la pentahomoserine, dans la ration du poulet. Rev. Canad. de Biol. 10: 246-248. Aug.1951. 442.8 R325
- 76666 MILLER, M. W. Give poults a faster start. Washcoegg 29(1):10,16. June 1951. 47.8 W27
- Feeding.
- 76667 NICKERL, A. In der fütterung liegt die rentabilität der geflügelzucht. Österr. Kleintierzüchter 7/8: 930. Apr.1951. 49 Os7
- 76668 NORRIS, L. C. The B-group vitamins. (Excerpts.) Grain & Feed J. Consolidated 107(3):21-23. Aug.8,1951. 298.8 G762
- In chick nutrition.
- 76669 PATRICK, H. Vitamin B₁₂ and antibiotics in turkey poult nutrition. Poultry Sci. 30:549-551. July 1951. 47.8 Am33P
- 76670 PETERSEN, C. F. Growing turkeys larger, faster with high-efficiency feeds. Idaho. Agr. Col. Idaho Agr. Sci. 36(3):7. Third Q.1951. 276 Id13N
- 76671 PLONSKY, J. C. Bacitracin in poultry nutrition. Flour & Feed 52(3):34. Aug.1951. 298.8 F66
- 76672 ROCHA, E. G. DA. Feeding of poultry. (In Portuguese.) Seleç. Agr. 6(62):25-31. June 1951. 9.2 Se4
- 76673 RÖMER, R. R. Nicht so teuer und doch richtig füttern! Deut. Wirtgeflügelzucht. 3:374-376. May 12, 1951. 47.8 D483
- 76674 SCHULZE, E. Auslaufpflege tut not! Deut. Wirtgeflügelzucht. 3:404,406. May 26,1951. 47.8 D483
- 76675 SLINGER, S. J. O. A. C. [Ontario Agricultural College] poult nutrition experiments. (Abs.) Canad. Poultry Rev. 75(8):24. Aug.1951. 47.8 C16
- Veterinary Medicine
- 76676 ATANASIU, P., and GAREAU, G. Essais sur l'évolution des anticorps dans la maladie de Newcastle après la vaccination. Inst. Pasteur. Ann. 80:674-677. Ref. June 1951. 448.3 An75
- 76677 BECKER, E. R., SCHWINK, T. M., and BRODINE, C. E. The distribution of sparing and protective factors in plasma fractions of ducks recovered from lophurae malaria. J. Infect. Dis. 89:16-25. July/Aug. 1951. 448.8 J821
- In chicks.
- 76678 BECKER, E. R., SCHWINK, T. M., and PRATHER, R. M., JR. Hemagglutinin-inhibiting property of duck plasma exhibited in agglutination reactions involving duck erythrocytes and plasma of chicks recovered from lophurae malaria. J. Infect. Dis. 89:95-102. Ref. July/Aug.1951. 448.8 J821
- 76679 BECKER, E. R. Mortality in relation to age in young white Pekin ducks with blood-induced Plasmodium lophurae infection. Iowa Acad. Sci. Proc. 57:435-438. 1950. 500 Io93
- 76680 BLANCO, A., and SÁNCHEZ BOTIJA, C. Étude de diverses souches de virus de la peste aviaire par les réactions d'hémoagglutination et d'inhibition. Off. Internat. des Epiz. B. 35:250-254. May/June 1951. 41.8 Of2
- 76681 BLANCO, A., and SÁNCHEZ BOTIJA, C. L'immunisation collective dans la peste aviaire. Off. Internat. des Epiz. B. 35:259-265. May/June 1951. 41.8 Of2

- 76682 BLANCO, A., and SÁNCHEZ BOTIJA, C. Investigation sur les souches de virus isolées au cours de l'épizootie de peste aviaire en Espagne. Off. Internatl. des Epiz. B. 35:255-258. May/June 1951. 41.8 M2
- 76683 BOER, E. DE, and DONKER-VOET, J. Newcastle disease; an investigation into the qualities of a remedy recommended against virus diseases. (In Dutch.) *Hemera Zoa* 57:765-773. Dec.1950. 41.8 V51
English summary.
- 76684 BRYAN, W. R., and others. Biological activity of the agent of chicken tumor I (Rous) in citrate buffers of various molar concentrations. *U. S. Natl. Cancer Inst. J.* 11:929-937. Apr.1951. 176.662 J82
- M. E. Maver, J. B. Moloney, D. Calnan, C. L. White, and M. T. Wood, joint authors.
- 76685 COFFIN, G. S. Active immunization of birds against malaria. *J. Infect. Dis.* 89:1-7. Ref. July/Aug. 1951. 448.8 J821
- 76686 COFFIN, G. S. Passive immunization of birds against malaria. *J. Infect. Dis.* 89:8-15. Ref. July/Aug. 1951. 448.8 J821
- 76687 COMMON, R. H., CHAPMAN, D. G., and MAW, W. A. The effect of gonadal hormones on the nucleic acid content of liver and serum in the immature pullet, and the difference between the nucleic acid content of the livers of sexually mature pullets and cockerels. *Canad. J. Zool.* 29:265-275. Ref. Aug.1951. 470 C16D
- 76688 CORRÊA, O. Subcutaneous acariasis of poultry; determination of *Laminosioptes cysticola* (Vizioli, 1868) in Rio Grande do Sul. (In Portuguese.) *Rev. Agron. [Porto Alegre]* 15(169/173):18-19. Jan./Apr.1951. 9.2 R325
- 76689 CSAPO, A., and HERRMANN, H. Quantitative changes in contractile proteins of chick skeletal muscle during and after embryonic development. *Amer. J. Physiol.* 165:701-710. June 1,1951. 447.8 Am3
- 76690 FABRICANT, J., and LEVINE, P. P. The persistence of infectious bronchitis virus in eggs and tracheal exudates of infected chickens. *Cornell Vet.* 41:240-246. Ref. July 1951. 41.8 C81
- 76691 FANGAUF, K. W. Beobachtungen über das auftreten von drehflügeln. *Deut. Wirtgeflügelzucht.* 3:379. May 12,1951. 47.8 D483
- 76692 FAVRET, E. A., and MUSSO, E. Mutación somática en gallina. *Cien. e Invest.* 7:234-235. May 1951. 475 C482
- 76693 FINSTERBUSCH, C. A. Spurs—what they mean to a cock. *Grit & Stet* 53(5):26-33. Sept.1951. 47.8 G88
- 76694 GHEDINA, C. Infectious and contagious diseases of poultry. (In Italian.) *Seme* 2:221-222. Oct.1950. 16 Se5
Italy.
- 76695 GOODING, P. H. Poultry sanitation and health. *Clemson Agr. Col. S. C. Ext. C.* 147, rev., 30 p. May 1951. 275.29 So8E
- 76696 GORDEUK, S., JR., BRESSLER, G. O., and GLANTZ, P. J. The effect of age of bird and degree of exposure in the development of immunity to cecal coccidiosis in chicks. *Poultry Sci.* 30:503-508. Ref. July 1951. 47.8 Am33P
- 76697 GORRIE, C. J. R. Common causes of deaths in chicken rearing. *Stock & Land* 41(25):7. June 20,1951. 49 St63
- 76698 HAIG, D. A. Fowl-pox vaccination in South Africa with egg-propagated fowl and pigeon-pox viruses. *Onderstepoort J. Vet. Res.* 25:17-29. Ref. Jan.1951. 41.8 On1
- 76699 HORTON-SMITH, C., and LONG, P. L. Enheptin-T in the treatment of histomoniasis (blackhead) in turkeys. *Vet. Rec.* 63:507. Aug.4,1951. 41.8 V641
- 76700 IRONS, J. V., SULLIVAN, T. D., and ROWEN, J. Outbreak of psittacosis (ornithosis) from working with turkeys or chickens. *Amer. J. Pub. Health* 41:931-937. Ref. Aug.1951. 449.9 Am3J
- 76701 JOHNSON, E. P. The effect of 4-aminopteroyl-glutamic acid (aminopterin), a folic acid antagonist on experimentally produced avian leukosis. *Vet. Med.* 46:312-314. Aug.1951. 41.8 M69
- 76702 KEIDEL, H. J. W. The application of some chemotherapeutics for coccidiosis of hens. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:527-533. July 15,1951. 41.8 T431
- 76703 KIRCHER, W. H. Better poultry from pills. *Agr. Econ.* 2(6):19-20. Feb./Mar.1951. 281.8 Ag832
Use of stilbestrol.
- 76704 LEVINE, P. P. Warn your poultrymen on blue comb. *East. Feed Merchant* 2(8):21. Aug.1951. 389.78 Ea7
- 76705 MCIVER, W. L. Treatment of scaly leg in household poultry. *New Zeal. J. Agr.* 82:343. Apr.16, 1951. 23 N48J
- 76706 MCNEIL, E., and HINSHAW, W. R. Procedures for conducting the agglutination test for detection of *Salmonella* carriers in turkey flocks. *Vet. Med.* 46:360-362. Sept.1951. 41.8 M69
- 76707 MARKHAM, F. S., BOTTORFF, C. A., and COX, H. R. The conjunctival application of Newcastle disease vaccine (intranasal type) in parentally immune and susceptible chicks. *Cornell Vet.* 41:267-282. Ref. July 1951. 41.8 C81
- 76708 MARTHEDAL, H. E. Experimental serological and cultural studies on *S. typhi murium*. (In Danish.) *Nord. Vetmed.* 3:617-641. Ref. July 1951. 41.8 N813
English summary.
Poultry.
- 76709 MASTERSON, F. H. Top specialists discuss seven diseases. *Hatchery & Feed* 25(8):22-23. Aug. 1951. 47.8 H28
- 76710 MOREHOUSE, N. F., and MCGUIRE, W. C. Experiments on the chemotherapy of blackhead in turkeys. *Iowa Acad. Sci. Proc.* 57:475-482. Ref. 1950. 500 Io93
- 76711 PETERSEN, N. Wie verhütet und bekämpft man geflügel-mangelkrankheiten? *Kleintierzüchter Tierbörse* 5(3):2. Jan.20,1951. 49 K672
- 76712 PETERSON, O. H., and KERR, K. B. Intranasal Newcastle disease virus vaccination of baby chicks infected with *Ascaridia galli*. *Iowa Acad. Sci. Proc.* 57:483-489. Ref. 1950. 500 Io93
- 76713 RIZZOLI, C. Studies on the nature and distribution of lipids in the liver and muscle of newly hatched *Gallus gallus*. (In Italian.) *Soc. Ital. di Biol. Sper. B.* 26:1103-1106. July 1950. 442.8 So12
- 76714 ROF CODINA, J. Caponaje químico de los pollos y gallos. *Balearic Isl. Diputación Prov. B. de Agr.* 75:7. Dec.1950. 15 B19
- 76715 RÖGER, W. Nochmals "chemische kapaune." *Deut. Wirtgeflügelzucht.* 3:330. Apr.14,1951. 47.8 D483
- 76716 SCHENCK, D. M., and others. Early immunological response of chickens vaccinated with hamster-adapted embryo-propagated Newcastle disease virus. *Cornell Vet.* 41:288-291. July 1951. 41.8 C81
R. L. Reagan, H. O. Lineweaver, and A. L. Brueckner, joint authors.
- 76717 SMITH, C. H. Cause and effect of blackhead. *Poultry World* 89:60. July 19,1951. 47.8 P8682
- 76718 STAUBER, L. A., WALKER, H. A., and RICHARDSON, A. P. The in vitro agglutination of erythrocyte-free avian plasmodia [*P. lophurae* and *P. cathemerium*]. *J. Infect. Dis.* 89:31-34. Ref. July/Aug.1951. 448.8 J821
- 76719 STOLL, R. Sur la différenciation sexuelle de l'embryon de poulet. *Arch. d'Anat. Micros. et de Morph. Expt.* 39:415-425. Ref. 1950. 444.8 Ar21
Includes discussion.
- 76720 VIANELLO, G. Protection of chicks against pullorum disease. (In Italian.) *Humus* 7(4):27-28. Apr. 1951. 16 H88
- 76721 VIANELLO, G. Recent progress in the vaccination of poultry against pseudo fowl pest and cholera. (In Italian.) *Campagna Milan.* 17:1-2. Sept.15,1950. 16 C153
- 76722 WALBERT, E. Weisse kückenruhr (Bacterium pullorum). *Geflügelhof* 14:316. May 11,1951. 47.8 G276
Prevention.
- 76723 WANDERER, E. Bacterium pullorum—weisse kückenruhr! *Österr. Kleintierzüchter* 11/12:962-963. June 1951. 49 Os7
- 76724 WATERS, N. F. Mortality from lymphomatosis and other causes among inbred lines of White Leghorns. *Poultry Sci.* 30:531-545. Ref. July 1951. 47.8 Am33P
- 76725 WILLIER, B. H. Specializations in the response of pigment cells to sex hormones as exemplified in the fowl. *Arch. d'Anat. Micros. et de Morph. Expt.* 39:451-466. Ref. 1950. 444.8 Ar21
Includes discussion.
Feathering.
- 76726 WILLIER, B. H. Sterile gonads and the problem of the origin of germ cells in the chick embryo. *Arch. d'Anat. Micros. et de Morph. Expt.* 39:269-273. 1950. 444.8 Ar21
Includes discussion.
- 76727 WILSON, J. E. The control of salmonellosis in poultry with special reference to fumigation of incubators. *Vet. Rec.* 63:501-503. Ref. Aug.4,1951. 41.8 V641
- 76728 WOLFF, E. Le rôle des hormones embryonnaires dans la différenciation sexuelle des oiseaux. *Arch. d'Anat. Micros. et de Morph. Expt.* 39:426-450. Ref. 1950. 444.8 Ar21
Includes discussion.

Miscellaneous

- 76729 ALBURQUERQUE, F. El gallinero como mina de oro. Ed. 2. Madrid, Hernando, 1950. 294 p. (La Riqueza en la Mano [v.1]) 47 AL16
- 76730 ANDERSON, M. F. Turkey farming in Zululand. S. A. P. A. Poultry B. 15(165):31-32. June 1951. 47.8 So89
- 76731 BAILEY, V. D., and CISNEROS, G. Pollitos y cómo criarlos. Crédito Rur. (ser. 2)11:17-24. June 1951. 284.28 C863
- 76732 BARCELO GARCIA DE PAREDES, A. La muda de las gallinas. Balearic Isl. Diputación Prov. B. de Agr. 76:3. Jan. 1951. 15 B19
- 76733 BARTON, O. A. La gallina y sus hábitos. Agr. Austral 19:204-206. May 1951. 9.3 Ag842
- 76734 BECKER, H. 19. rheinische hühnerleistungsprüfung. Landwirt. Z. der Nord-Rheinprov. 118:385. May 5, 1951. 18 L2344
- 76735 BECKER, H. Schlussbericht der hühnerleistungsprüfung Grosshüttenhof. Deut. Wirtgeflügelzucht. 3:325-326. Apr. 14, 1951. 47.8 D483
- 76736 BEEKMAN, J. H. De hoenderwereld; geïllustreerd handboekje voor de verzorging en verpleging der voornaamste hoenderassen [The poultry world; illustrated handbook for the care and maintenance of the most important poultry breeds]. Ed. 7, rev. De Bilt, Van Belkum, 1950? 172 p. 47 B392
- 76737 BEIGL, B. Einiges über die 1. Internationale und 20. Schweizer Taubenausstellung Romanshorn. Österr. Kleintierzüchter 5/6:917; 7/8:934. Mar.-Apr. 1951. 49 Os7
- 76738 BENNION, N. L. How's your turkey management? Your range hazards can be reduced by good equipment. Norbest Turkey News 15(11):1,3. May 1951. 47.38 N75
- 76739 BLOCK, L. Die mauser beim wassergeflügel. Landfrauenarbeit 28:223-224. July 14, 1951. 18 L2347
- Ducks and geese.
- 76740 BRIDGES, W. W. Make baby chicks pay. Grain Prod. News 4(2):11-12. July 1951. 286.81 G764
- Care.
- 76741 BRIQUET JUNIOR, R. Cock eggs. (In Portuguese.) Selec. Agr. 6(60):15-16. Apr. 1951. 9.2 Se4
- Discusses the impossibility of the phenomenon.
- 76742 CECIL, L. If straw is cheap why not try the hen-yard system? Mod. Poultry Keeping 65:94-95. July 25, 1951. 47.8 Eg3
- 76743 DIANI, A. Problems and aspects of poultry raising. (In Italian.) Lotte Contadine 2(8):4. May 10, 1951. 16 L91
- 76744 DOSSIN, C. O. Las pollas que comienzan a poner requieren cuidados especiales. Agr. Austral 19:201-203. May 1951. 9.3 Ag842
- 76745 DRESSE, O. De la Belgique geographie avicole. III. La province de Namur. Cour. Hort. 13:349. July 1951. 80 C834
- 76746 ECHARRI LOIDI, J. M. Incubación natural. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 14, 16 p. Aug. 1950. 15 H68
- Also in Badajoz. Diputación Prov. B. de Inform. Agr. y Ganad. 9(84):14-21. Feb. 1951. 15 B14
- 76747 ESSO. Poultry keeping and the farmer. London, 1950. 72 p. 47 Es7
- 76748 FABIANI, F. Production and feeding of hens. (In Italian.) Seme 2:183-185. Aug. 1950. 16 Se5
- 76749 FABIANI, F. The turkey. (In Italian.) Seme 2:147-148. July 1950. 16 Se5
- 76750 FANGAUF, R. Geflügelfibel für kleintierhalter und landwirte; eine anleitung zur erhöhten eiererzeugung auf wirtschaftseigener futtergrundlage. Ed. 3. Radebeul, Neumann, 1950. 40 p. 47 F21G
- 76751 FISCHER, W. Das ende des wiener taubensportes? Österr. Kleintierzüchter 11/12:964-965. June 1951. 49 Os7
- 76752 FROOME, S. Raising turkeys. J. Agr. West. Austral. (ser. 2)27:325-352. Dec. 1950. 23 W52J
- 76753 FUNK, E. M., and FORWARD, J. Effect of humidity and turning of eggs before incubation on hatching results. Mo. Agr. Expt. Sta. B. 554, 24 p. May 1951. 100 M693
- 76754 GLEICHAUF, R. Entwurf eines familienleistungsblattes für herdbuchgeflügelzüchter. Deut. Wirtgeflügelzucht. 3:386-387. May 19, 1951. 47.8 D483
- 76755 GONZALEZ SILVA, E. J. El pato criollo, colaborador del chacarero. Chacra 21(249):54-55. Aug. 1951. 9 C34
- Care.
- 76756 GORDEUK, A. Georgia [broiler] production climbs rapidly. Broiler Growing 2(8):12, 42-46. Aug. 1951. 47.8 B782
- 76757 HALBROOK, E. R. Built-up litter proves its worth. (Excerpts.) Poultry Herald 63(8):6-8. Sept. 1951. 47.8 P862
- 76758 HALE, M. Bad feathering and cannibalism. 1-4. Poultry World 89:128, 148, 170, 190. Aug. 9-30, 1951. 47.8 P8682
- 76759 HANNAS, R. R. Get year 'round production; early pullets just starting to lay play important part. Amer. Poultry J. 82(7):6. July/Aug. 1951. 47.8 Am32
- 76760 HENSCHHEL, U. Masthähnchen. Deut. Wirtgeflügelzucht. 3:314. Apr. 7, 1951. 47.8 D483
- 76761 HEUVEL, C. V. D. Attend to your business! (In Dutch.) Pluimveeteelt 4(14):1-2. July 6, 1951. 47.8 P722
- Poultry management.
- 76762 HOWES, H. Poultry notes. Estate Mag. 51:242-244. June 1951. 10 Es8
- Includes incubation of turkey eggs.
- 76763 INGRAM, C. Looking ahead—the all-pullet flock. La. Agr. Col. Ext. P. 1091, 4 p. June 1951. 275.29 L93Ep
- Formerly Leaflet 15.
- 76764 INSKO, W. M., JR., LOWRY, S. J., and CALDWELL, L. M. The all-pullet flock vs. the hen flock. Poultry Indus. [Boston] 56(2):9-10. Aug. 1951. 47.8 N44
- 76765 ISAAC, E. Lul'ofut la-zoreki ha mishpahah [Chicken keeping for the family]. Tel Aviv, Hadash, 1950. 14 p. 47 Is1
- 76766 JEFFERY, J. W. E. Care of chickens. Australas. Poultry World 22(11):25. June 5, 1951. 47.8 Au72
- 76767 JOHNSON, E. P. How do glycols fit into your health program? Broiler Growing 2(8):13, 22-23. Aug. 1951. 47.8 B782
- Triethylene glycol in poultry house sanitation.
- 76768 JULL, M. A. Test pullet breeders the first year. N. H. Breeder & Broiler Grower 14(2):20-21. July/Sept. 1951. 47.8 N45
- 76769 KEIMER, W. Als praktikant in Schweden. Geflügelhof 14:383-384. June 8, 1951. 47.8 G276
- Poultry industry in Sweden.
- 76770 KIRKPATRICK, N., and GULLIFORD, J. H. Egg Laying Competition at Hawkesbury Agricultural College, Richmond; forty-ninth year's results, 1950-51. Agr. Gaz. N. S. Wales 62:267-271. May 1, 1951. 23 N472
- 76771 LANG, 10. geflügelherdenleistungsprüfung 1950-51 des landes hessen. Deut. Wirtgeflügelzucht. 3:377-378. May 12, 1951. 47.8 D483
- 76772 LEGHIS, L. M. La production des oisons. Paysan Franc. 26(401):9-10. May 1951. 14 P29
- 76773 LIVET, L. De quelques déficiences des jeunes. Paysan Franc. 26(401):8. May 1951. 14 P29
- Poultry care.
- 76774 LOPEZ PALAZON, J. Avicultura agrícola. Cam. Ofic. Sind. Agr. de la Prov. de Murcia. B. 99:3-6. Jan. 1951. 15 M93
- 76775 MCARDLE, A. A. Rats—a menace in the poultry yard. So. Austral. Dept. Agr. J. 54:430. Apr. 1951. 23 So84
- Prevention and control.
- 76776 MCHENRY, S. L. Now is the right time to cull. N. H. Breeder & Broiler Grower 14(2):14-15. July/Sept. 1951. 47.8 N45
- 76777 MARCHESONI, G. Autumn in the henhouse. (In Italian.) Seme 2:245-246. Nov. 1950. 16 Se5
- 76778 MARCHESONI, G. The henhouse in the summer months. (In Italian.) Seme 2:155. July 1950. 16 Se5
- 76779 MARCHESONI, G. Molting. (In Italian.) Seme 2:209. Sept. 1950. 16 Se5
- 76780 MASTERSON, F. H. Incubation clinic clicks. Hatchery & Feed 25(8):19, 54. Aug. 1951. 47.8 H28
- 76781 MATSUMOTO, K., and VIEIRA, U. L. Apartment poultry keeping; how to raise hens in the middle of the city. (In Portuguese.) Chacaras e Quintais 83:704-708; 84:46-50. June 15-July 15, 1951. 9.2 C34
- 76782 MOORE, J. S. Young turkeys in summer. Fla. Grower 59(7):43-44. July 1951. 80 F6622
- 76783 MOROCCO. SERV. DE L'ELEVAGE. L'aviculture et l'élevage des animaux de basse-cour au Maroc. Casablanca, 1950. 104 p. 47 M82
- Poultry and rabbits.
- 76784 MOYER, D. D. Is built-up litter the answer? Poultry Tribune 57(8):5, 18-19. Aug. 1951. 47.8 P8642

76785 NIELSEN, O., ed. Fjerakraeholderens dagbog [Diary of the poultry farmer]. Odense, 1951. 40 p. 47 N55

76786 POWELL-OWEN, W. Twenty eggs a month. Poultry World 89:82-83. July 26, 1951. 47.8 P8682

76787 PRIES, W. Die tauben auf der 32. Nationalen in Dusseldorf. Kleintierzüchter Tierbörse 5(6):6. (Concl.) Feb. 20, 1951. 49 K672

76788 RAE, W. J., and O'NEIL, J. R. How the University of Saskatchewan serves the poultry industry. Agr. Inst. Rev. 6(3):17-20. May 1951. 7 Ag8 Poultry research.

76789 REDDAWAY, G. E. Poultry in the Eastern Counties. Gt. Brit. Min. Agr. Agriculture 58:167-173. July 1951. 10 G79J

76790 REDDITT, J. R. The profit in commercial broilers. 3. Poultry Herald 63(7):5,7-8. July/Aug. 1951. 47.8 P862

76791 REGO, H. T. Fighting cocks in Brazil. (In Portuguese.) Chacaras e Quintais 83:752-754. June 15, 1951. 9.2 C34

76792 REYMERS. Ist das durcheinander schon da? Kleintierzüchter Tierbörse 5(3):6-7. Jan. 20, 1951. 49 K672

Poultry judging.

76793 ROMER, R. R. Geflügel, geflügelzuchtindustrie u. a. auf der 41. wanderausstellung der Deutschen Landwirtschafts-Gesellschaft in Hamburg vom 27.5. bis 3.6. 1951. Eier-, Wild-, Geflügel- u. Honig-Markt 3(59):1-3. June 28, 1951. 280.38 E13

76794 ROMIJN, C. Climate and poultry. (In Dutch.) Tijdschr. v. Diergeneesk. 76:584-589. July 15, 1951. 41.8 T431

76795 ROSA, M. DE. The guinea hen. (In Italian.) Gior. di Agr. 61:219. July 15, 1951. 16 It1G

76796 RUPPEN, K. Frühlingsarbeiten im geflügelhof. Geflügelhof 14:348-349. May 25, 1951. 47.8 G276

76797 SANDY, M. Modern processes of poultry raising. I-II. (In Portuguese.) Agr. e Pecuaria 32(330):6; (331):12-13. Mar.-Apr. 1951. 9.2 Ag89 I. Incubation. II. Living conditions.

76798 SCHWEIZER, P. Die japanische geschlechtsbestimmungsmethode. Geflügelhof 14:303-304. May 4, 1951. 47.8 G276

76799 SEEGER, K. C. How they manage broilers in Delaware. Canad. Poultry Rev. 75(8):20-22, 25. Aug. 1951. 47.8 C16

76800 SHAW, R. B. Small scale table poultry production. Poultry Field 4(7):6-8, 17. Aug. 16, 1951. 47.8 P8655

76801 SMITH, R. M. C-O-T [Chicken-of-Tomorrow] "royalty" raised like commoners; entries were given about the same care that any good grower would give a commercial flock. Broiler Growing 2(7):11, 31-32. July 1951. 47.8 B782

76802 STRATTON, C. L. Panel discussions help solve these poultrymen's problems. N. H. Breeder & Broiler Grower 14(2):18-19, 35. July/Sept. 1951. 47.8 N45

Discussions by H. Elliott, H. Tufts, and others. Housing, litter, and self-feeders.

76803 THIEL, H. Die geflügelhaltung im hohen Norden. Deut. Wirtgeflügelzucht. 3:391. May 19, 1951. 47.8 D483

Sweden.

76804 THIEL, O. Legeleistung der hennen und eierzeugung. Deut. Wirtgeflügelzucht. 3:417-419. June 2, 1951. 47.8 D483

76805 THORMÄHLEN, E. Bewegliche külenaufzucht—billig und gesund! Landfrauenarbeit 19:148. May 12, 1951. 18 L2347

76806 TOMEY, A. In the heat of the moment. Farmers Wk. [London] 35:71. July 6, 1951. 10 F2226 Poultry care in hot weather.

76807 TOMEY, A. The pendulum swings back. Farmers Wk. [London] 35(3):61. July 20, 1951. 10 F2226 Poultry production in Great Britain.

76808 TORRES HERRERO, J. DE. Algo sobre paticultura. Ceres [Valladolid] 16:37, 39, 41. June 1, 1951. 15 C33

76809 VONDELL, J. H. Spot that cull! Everybodys Poultry Mag. 56(7):11. July/Aug. 1951. 47.8 F213P

76810 WALFORD, S. M. Hatchability concerns broiler growers too. Broiler Growing 2(8):14, 39-41. Aug. 1951. 47.8 B782

76811 WEINMILLER, L., and KLEIN, E. Die beurteilung des geflügels. Ed. 2, completely revised by K. Mantel and W. Woith. Geflügelzucht Bucherei 5, 111 p. Ref. 1950. 47.8 G277

76812 WIJK, P. J. Bedrijfspluimveehouderij [Commercial poultry keeping]. Ed. 3. Zwolle, Tjeenk Willink, 1951. 194 p. (Leidraad voor het Land- en Tuinbouwonderwijs. Ser. B, No. 22) 12 L62B

76813 WOOD, F. L. Egg production hinges on the summer care of pullets. Canad. Poultry Rev. 75(8):7-8. Aug. 1951. 47.8 C16

RABBITS

Breeds and Breeding

76814 ALEXANDER, B. G. M. The Himalayan-Rex—for show, fur and food. Fur & Feather 114:470. July 26, 1951. 49 F96

76815 ALLWOOD, M. D. The present-day Angora. Brit. Rabbit Council. Brit. Rabbits 1951:80-81. 40.29 B77

76816 APPLIGATE, F. R. The Illinois State Rabbit Breeders Association. Small Stock Mag. 35(8):4-5. Aug. 1951. 48.8 P442

76817 ATACK, W. The ever-popular Dutch rabbit. Brit. Rabbit Council. Brit. Rabbits 1951:88-89. 40.29 B77

76818 AYRES, E. W. The Silver Fox rabbit. Brit. Rabbit Council. Brit. Rabbits 1951:83. 40.29 B77

76819 BANFIELD, C. The English. Brit. Rabbits Council. Brit. Rabbits 1951:90-92. 40.29 B77

76820 BARKER, B. R. Seal and Sable Rex. Brit. Rabbit Council. Brit. Rabbits 1951:117, 119. 40.29 B77

76821 BRITISH RABBIT COUNCIL. British rabbits, 1951; year book. Farnborough, 1951? 179 p. 40.29 B77 Includes standards and descriptions of the breeds.

76822 BRUHNS, R. Englische Scheckenkaninchen. Deut. Kleintier-Züchter 6(3):5. Feb. 5, 1951. 49 Su22

76823 DONALD, M. N. An old timer writes about pure-breds vs. mongrels. Amer. Small Stock Farmer 35(8):12. May 1951. 48.8 J82 Rabbits.

76824 DOSCHER, A. Das Schwarzsilber-kaninchen und seine zucht. Kleintierzüchter Tierbörse 5(7):9-10. Mar. 1, 1951. 49 K672

76825 EASLY, N. L. The importance of quality in wool production. Angora Rabbit Mag. 6(8):1, 11. July 1951. 40.28 An42

76826 EBERHARD, J. B. Über stallungen und fütterung der deutschen riesen. Deut. Kleintier-Züchter 6(6):3. Mar. 20, 1951. 49 Su22

Also in Kleintierzüchter Tierbörse 5(9):3. Mar. 20, 1951. 49 K672

76827 ESSER, P. Unsere gross-Chinchilla. Deut. Kleintier-Züchter 6(10):3. May 20, 1951. 49 Su22

76828 FRIJU. Blaue und Weisse Wiener-kaninchen. Jung-Züchter 1:3. In Kleintierzüchter Tierbörse 5(2). Jan. 10, 1951. 49 K672

76829 GARRETT, D. The Satin rabbit. Brit. Rabbit Council. Brit. Rabbits 1951:101-102. 40.29 B77

76830 GAUDY, C. A. El Gigante de Flandes. Chacra 21(249):62. Aug. 1951. 9 C34

76831 GOODCHILD, C. Rex breeds. Brit. Rabbit Council. Brit. Rabbits 1951:104-107. 40.29 B77

76832 HINCHCLIFFE, M. Havana Rex v. the rest. Brit. Rabbit Council. Brit. Rabbits 1951:115-116. 40.29 B77

76833 HORST, J. G. Abermals französische Angoras in Österreich. Österr. Kleintierzüchter 5/6:921. Mar. 1951. 49 Os7

76834 HYDER, A. E. Advice to Rex beginners. Brit. Rabbit Council. Brit. Rabbits 1951:107-108. 40.29 B77

76835 HYDER, A. E. Colour makes the Castor. Brit. Rabbit Council. Brit. Rabbits 1951:110-111. 40.29 B77

76836 JAGSCH, E. Blaue Wiener auf schauen. Deut. Kleintier-Züchter 6(1):1-2. Jan. 5, 1951. 49 Su22

76837 KEDDIG, K. Planderei um die angorazucht. Deut. Kleintier-Züchter 6(10):4. (Cont.) May 20, 1951. 49 Su22

76838 KLEIN, W. Riesen-zucht am scheidewege. Deut. Kleintier-Züchter 6(4):7. Feb. 20, 1951. 49 Su22

76839 LAIBLER, J. Zusammenstellung der zucht-paare. Österr. Kleintierzüchter 7/8:936. Apr. 1951. 49 Os7 Rabbits.

76840 LINKE-CRAWFORD, E. Die kennzeichnung unserer Angora-kaninchen und die richtige zuchtbuchführung. Österr. Kleintierzüchter 5/6:922; 7/8:937. Mar.-Apr. 1951. 49 Os7

76841 MALLEY, J. H. The Siberian rabbit. Brit. Rabbit Council. Brit. Rabbits 1951:102-103. 40.29 B77

76842 MEARA, T. S. New Zealand White. Brit. Rabbit Council. Brit. Rabbits 1951:98-99. 40.29 B77

- 76843 MEHLER, A. Kaninchen-herdbuchzucht. Deut. Kleintier-Züchter 6(6):4. Mar.20,1951. 49 Su22
- 76844 NESTMANN, A. Ueber meine erfahrungen in der Angorakaninchenzucht; pflege und gewinnung der angorawolle. Kleintierzüchter Tierbörse 5(2):5-6;(3):7-8;(6):8. Jan.10-20, Feb.20,1951. 49 K672
- 76845 NIEHAUS, H., and STUTE, K. Fütterungsver-suche mit topinambürkraut an Angora- und Kleinsilber-kaninchen. Deut. Kleintier-Züchter 6(10):7-8. May 20, 1951. 49 Su22
- 76846 NIELEBOCK, E. W. Wie erzüchtet man rassige luxkaninchen? Kleintierzüchter Tierbörse 5(6):7-8. Feb.20,1951. 49 K672
- 76847 PAUSCHENWEIN, J. Das belegen der häs. Österr. Kleintierzüchter 5/6:919-920. Mar.1951. 49 Os7
- 76848 POUNCY, A. J. The New Zealand Red. Brit. Rabbit Council. Brit. Rabbits 1951:97-98. 40.29 B77
- 76849 POUNCY, A. J. Smoke Pearl Rex. Brit. Rabbit Council. Brit. Rabbits 1951:120-121. 40.29 B77
- 76850 RAWLINS, B. W. The Netherland Dwarf rabbit. Brit. Rabbit Council. Brit. Rabbits 1951:96-97. 40.29 B77
- 76851 REYNOLDS, O. R. Picking Champagnes for mating. Small Stock Mag. 35(8):14-15. Aug.1951. 48.8 P442
- 76852 ROBINSON, R. Some thoughts on inbreeding. Brit. Rabbit Council. Brit. Rabbits 1951:60-63. 40.29 B77
- 76853 SCHMALZ, K. Der werdegang des M. F. - kaninchens. Deut. Kleintier-Züchter 6(4):6-7. Feb.20, 1951. 49 Su22
- 76854 SLEZAK, F. Unsere rassekaninchen im lichte der volkswirtschaft. Österr. Kleintierzüchter 5/6:919. Mar.1951. 49 Os7
- 76855 SMITH, E. Chinchillas for the beginner. Brit. Rabbit Council. Brit. Rabbits 1951:85-86. 40.29 B77
- 76856 SMITH, H. F. Ermine Rex. Brit. Rabbit Council. Brit. Rabbits 1951:111,113-114. 40.29 B77
- 76857 WILSON, R. Lilac links. Brit. Rabbit Council. Brit. Rabbits 1951:94-96. 40.29 B77
- Breed club.
- 76858 WOODGATE, F. G. Through thirty years. Brit. Rabbit Council. Brit. Rabbits 1951:57-59. 40.29 B77
- History of breeds.
- Feeds and Feeding**
- 76859 DÖSCHER, A. Fütterung tragender und säugender häsinnen. Deut. Kleintier-Züchter 6(6):4. Mar.20,1951. 49 Su22
- 76860 DUPERTHUIS, V. Au clapier: les vitamines. Rustica 24:655-656. July 15,1951. 14 R92
- 76861 NICKISCH, K. Die verdaulichkeit einiger futtermittel beim kaninchen (runkelsamen, lindenblätter, raps-, lein-, senfkuchen- und spitzklettenschrot). Arch. f. Tierernähr. 1:73-83. Sept./Oct.1950. 389.78 Ar22
- 76862 PERUCHON, J. Commen: obtenir des lapins de 2 kgs. en 2 mois. Rev. Agr. de l'Afrique du Nord 49:495. June 29,1951. 80 R326
- Veterinary Medicine**
- 76863 BENDALL, J. R. The shortening of rabbit muscles during rigor mortis: its relation to the break-down of adenosine triphosphate and creatine phosphate and to muscular contraction. J. Physiol. 114:71-88. Ref. June 29,1951. 447.8 J82
- 76864 FIELD, E. J., GRAYSON, J., and ROGERS, A. F. Observations on the blood flow in the spinal cord of the rabbit. J. Physiol. 114:56-70. Ref. June 29,1951. 447.8 J82
- 76865 GATZ, A. J., and HOUCHIN, O. B. Studies on the heart of vitamin E deficient rabbits. Anat. Rec. 110: 249-265. Ref. June 1951. 447.8 An1
- 76866 HOLTON, P., and PERRY, W. L. M. On the transmitter responsible for antidromic vasodilatation in the rabbit's ear. J. Physiol. 114:240-251. Ref. June 29, 1951. 447.8 J82
- 76867 HOUT, A. VAN. La déviation du dos, de la croupe et des oreilles chez le lapin. Cour. Hort. 13:350-351. July 1951. 80 C834
- 76868 LUND, E. E. Ear mange in domestic rabbits. Calif. Rabbit News 12(3):3-7. June 1951. 40.28 C12
- 76869 MANGOLD, E. Die futter-durchgangszeiten beim kaninchen. Arch. f. Tierernähr. 1:136-147. Ref. Nov./Dec.1950. 389.78 Ar22
- 76870 NESENI, R. Versuche über die wirkung des wachstumshormons der thymusdrüse und der hypophyse bei kaninchen. Arch. f. Tierernähr. 1:129-135. Ref. Nov./Dec.1950. 389.78 Ar22
- 76871 SANDFORD, J. C. How the rabbit chews its cud; the rediscovered history of coprophagy. Fur & Feather 114:487,496. Aug.2,1951 49 F96
- 76872 SIDNEY, E. M. Diseases of the rabbit. Brit. Rabbit Council. Brit. Rabbits 1951:63-65. 40.29 B77
- 76873 TEMPLETON, G. S. Mucoid enteritis. Calif. Rabbit News 12(2):17. May 1951. 40.28 C12
- 76874 WOOD, A. Concerning ears. Brit. Rabbit Council. Brit. Rabbits 1951:75-76. 40.29 B77
- Miscellaneous**
- 76875 ARAGON LEIVA, P. Crfa y explotación del conejo doméstico. Tierra [Mexico] 6:424-425. July 1951. 8 T445
- 76876 BEARD, J. W. Rabbits for all. Brit. Rabbit Council. Brit. Rabbits 1951:68-69. 40.29 B77
- Care.
- 76877 BENEDICT, P. F. The [rabbit] exhibitor and the national convention. Small Stock Mag. 35(8):33. Aug. 1951. 48.8 P442
- 76878 BLAKE, R. The fancy's shop window. Brit. Rabbit Council. Brit. Rabbits 1951:71-72. 40.29 B77
- Shows and sales.
- 76879 BRYANT, J. An answer. Natl. Rabbit Raiser & Poultry Grower 18(8):7-8,10. Apr.1951. 40.28 R11
- Rabbit industry.
- 76880 GAUDY, C. A. Preparación de conejos para exposición. Chacra 21(248):50-51. July 1951. 9 C34
- 76881 GREENE, E. P. Importance of proper nest boxes. Small Stock Mag. 35(8):22-23. Aug.1951. 48.8 P442
- Rabbits.
- 76882 KILBY, D. C. Rabbit keeping is such fun. Brit. Rabbit Council. Brit. Rabbits 1951:73-74. 40.29 B77
- 76883 KREPPELT, G. Erhöhung des fellwertes. Deut. Kleintier-Züchter 6(4):5-6. Feb.20,1951. 49 Su22
- 76884 OLSON, E. M. The domestic rabbit industry discussed by an old timer. Calif. Rabbit News 12(4):13. July 1951. 40.28 C12
- 76885 PAPP M., E., and HEINSOHN DE BRIGARD, J. La crfa del conejo. Agr. Trop. 6(9):17-26. Sept. 1950. 26 Ag8
- 76886 RICHARDSON, E. C. The poor man's pig. Brit. Rabbit Council. Brit. Rabbits 1951:78-79. 40.29 B77
- Home production of rabbits for meat.
- 76887 SWARTZ, F. Judging pelts and rabbits. Small Stock Mag. 35(8):5. Aug.1951. 48.8 P442
- 76888 WALLACE, A. M. Mayo studies rabbit problems. Fla. Grower 59(8):13,15. Aug.1951. 80 F6622
- 76889 WEBB, F. A. Rabbits balance budget. Fla. Grower 59(7):37. July 1951. 80 F6622
- SHEEP AND GOATS**
- Breeds and Breeding**
- 76890 ALLIX, J. Les races françaises et la produc-tion laitière; amélioration de la qualité du lait. Ann. de la Nutr. et de l'Aliment. 5:113-134. 1951. 389.8 An73
- Includes discussion.
- Sheep, goats, and cattle breeds.
- 76891 BADENHORST, D. F. Is the Merino infertile? Wolboer 45:28-29. Apr.1951. 45.8 W83
- 76892 BATEMAN, J. V. Sire indexes. Better Goat-keeping 6:1387-1389. May 1951. 40.18 B46
- 76893 BLACKSHAW, A. W., and EMMENS, C. W. The interaction of pH, osmotic pressure and electrolyte con-centration on the motility of ram, bull and human sperma-tozoa. J. Physiol. 114:16-26. June 29,1951. 447.8 J82
- 76894 ENGELHARD, J. La race ovine Berrichonne du Cher. Rustica 24:506. June 3,1951. 14 R92
- 76895 KELLY, C. R. An Australian looks at British sheep. Farmer & Stock-Breeder 65(3221):73-74. July 17,1951. 10 F228
- British breeds.
- 76896 LALLOUR, M. Les grandes races ovines françaises. Mouton 6:25-26. Mar.1951. 45.8 M86
- 76897 MCNAB, J. F. The breeding of Merino sheep; hints for beginners. Past. Rev. 61:506-507. May 16,1951. 23 Au75
- 76898 MARSH, E. E. What is a good ram? Natl. Wool Grower 41(8):13-16. Aug.1951. 45.8 N21N
- Of various breeds.
- 76899 NICHOLS, J. E. Survey of hill sheep breeding methods and practices. In Scotland. Hill Farm Research Committee. Hill farm research; report, p.94-121. Edinburgh,Dept. of Agriculture,1951. 32 Sco3
- 76900 NORMAND, G., and FOUCAULT, E. Les gran-des races françaises d'herbage. I-II. Mouton 6:1-2. Jan. 1951. 45.8 M86
- Contents: I. Le mouton de l'Avranchin, by G. Normand; II. Le mouton du Cotentin; III. Le mouton Bleu du Maine, by E. Foucault.

76901 OXFORD DOWN SHEEP BREEDERS' ASSOCIATION. The flock book of the Oxford Down sheep, v. 63. Northampton, Stanton, 1951. 93, 46 p. 45.9 Cx2F

76902 RILOVA, F. La selección en el ganado lanar. Agr. Burgales 18(198):1-2. June 1951. 15 Ag86

76903 ROBINSON, J. F. Survey of Scottish Blackface sheep. In Scotland. Hill Farm Research Committee. Hill farm research; report, p.122-125. Edinburgh, Dept. of Agriculture, 1951. 32 Sco3

76904 RUDOLPH, H. Milch und wolle des ostfriesischen milchschafes. Deut. Kleintier-Züchter 6(6):11-12; (7):7-8. Mar.20-Apr.5, 1951. 49 Su22

76905 SCRUGGS, C. G. Livestock breeders at work. Prog. Farmer, Tex. Ed. 66(8):17, 71. Aug. 1951. 6 T311 Sheep breeding.

76906 STRANSKY, E. Steuerung der nutzenanlagen in der ziegenzucht. Österr. Kleintierzüchter 11/12:971-972. June 1951. 49 Os7

76907 THOMPSON, D. S. Fat lamb production; report on breed trial conducted at Wynyard, 1950. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:156-168. May 1951. 23 T182T

76908 TORTORELLI, N. The sheep breed Gentile del Tavoliere di Puglia. (In Italian.) Bari U. Facoltà di Agr. Ann. 7:119-136. 1950. 105.4 B232

76909 VAN HORN, J. L., and others. Reproduction of range ewes increased by adequate feeding. Mont. Wool Grower 20(8):6-7, 22. Aug. 1951. 45.8 M762

W. H. Burkitt, F. S. Willson, and A. E. Flower, joint authors.

76910 ZETTL, J. Das Karakulschaf. Österr. Kleintierzüchter 11/12:972-973. (Cont.) June 1951. 49 Os7

76911 ZETTL, J. Letaleffekte bei Karakuls. Österr. Kleintierzüchter 11/12:973. June 1951. 49 Os7

Feeds and Feeding

76912 ARCHIBALD, J. G. Feeding the dairy goat. Better Goatkeeping 6:1370-1372. Apr. 1951. 40.18 B46

76913 BOWSTEAD, J. E. Effect of feeding cobalt to range lambs. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:16-17. 1950. 49.9 C166

76914 CRAPLET, C. Nécessité de l'alimentation rationnelle des moutons. Mouton 6:27-29. Mar. 1951. 45.8 M86

76915 JONES, B. J. New seeding technique developed in Solano County makes summer planting possible; trefoil pasture producing as many pounds of lamb per acre as Ladino in Solano test; also popular in pasture mixtures. Calif. Wool Grower 27(30):5. July 24, 1951. 45.8 C12

76916 MCCLYMONT, G. L., HAWKINS, C. J., and COLEMAN, J. M. Intensive feeding of growing lambs; relative values of wheat and lucerne chaffs. Agr. Gaz. N. S. Wales 62:265-266. May 1, 1951. 23 N472

76917 MELDRUM, G. K., GREEN, R. J., and THOMPSON, D. S. East Coast sheep weaner trials, 1950. Tasmania, Dept. Agr. Tasmanian J. Agr. 22:72-84. Feb. 1, 1951. 23 T182T

76918 SLEN, S. B. The influence of level of protein in the ration of mature ewes upon lamb production. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:24-27. 1950. 49.9 C166

76919 SLØGEDAL, H. Samdrift med sau på fjellbeite [Cooperative management of sheep on mountain pastures]. Norsk Sau- og Geitelslag. Småskr. 6, 101 p. 1950. 45.9 N812

76920 SMITH, S. E., KOCH, B. A., and TURK, K. L. The response of cobalt-deficient lambs to liver extract and vitamin B12. J. Nutr. 44:455-464. Ref. July 10, 1951. 389.8 J82

76921 THIEULLOY, E. DE. Le maïs dans l'alimentation du bétail. Rustica 24:538. June 10, 1951. 14 R92 Sheep.

76922 WALTERS, L. E., ROSS, O. B., and GALLUP, W. D. The availability of phosphorus in forage. Okla. Agr. Expt. Sta. Misc. P. MP-22:29-33. June 1951. 100 Ok4

Feeding experiments with sheep.

76923 WILLEY, N. B., JONES, J. H., and LYERLY, P. J. Lamb feeding trials in the El Paso Valley, 1947-49; a comparison of high protein cottonseed products, and of ground and unground sorghum grain. Tex. Agr. Expt. Sta. B. 733, 15 p. Apr. 1951. 100 T31S

Veterinary Medicine

76924 ALEXANDER, R. A., and HAIG, D. A. The use of egg-attenuated bluetongue virus in the production of a polyvalent vaccine for sheep. A. Propagation of the virus in sheep. Onderstepoort J. Vet. Res. 25:3-15. Jan. 1951. 41.8 On1

76925 ALTENKIRCH. Schafhaltung und katarrhalischer Tierzucht 5:14-16. Jan. 1951. 49 T443

76926 BARWELL, C. F., and BISHOP, L. W. J. Virus of enzootic abortion in ewes: antigenic relationship with viruses of the Psittacosis group. Nature [London] 167: 998. June 16, 1951. 472 N21

76927 BELL, J. M., SPINKS, J. W. T., and STEELE, R. Cobalt metabolism studies with lambs. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:42-46. Ref. 1950. 49.9 C166

76928 BREIREM, K. Investigations of cobalt and copper deficiency in sheep. (In Norwegian.) Norsk Landbr. 17:288-292. Aug. 3, 1951. 11 N8122

A discussion of experiments carried out in Australia.

76929 BURCH, G. R. Recent developments of interest in two sheep diseases. Natl. Wool Grower 41(8):29-31. Aug. 1951. 45.8 N21N

Thysanosome actinoides and enterotoxemia.

76930 CASE, A. A. Shepherd's clinic; lameness.

Sheep Breeder 71(8):6, 8. Aug. 1951. 45.8 Am31

76931 CLARK, R., and others. Studies on the alimentary tract of the Merino sheep in South Africa. XVIII-XXIII. Onderstepoort J. Vet. Res. 25:51-103. Ref. Jan. 1951. 41.8 On1

XVIII, The effect of fasting on the activity of the ruminal flora of sheep and cattle, by J. I. Quin, W. Oyaert, and R. Clark; XIX, The influence of sulphanilamide on the activity of the ruminal flora of sheep and cattle, by W. Oyaert, J. I. Quin, and R. Clark; XX, The failure of the rumen musculature to respond to carbamylcholine chloride when paralysed by potassium cyanide, by R. Clark; XXI, The toxicity of urea to sheep under different conditions, by R. Clark, W. Oyaert, and J. I. Quin; XXII, The effect of the pH of the ruminal contents on ruminal motility, by R. Clark and W. A. Lombard; XXIII, The effect of supplementing poor quality grass hay with molasses and nitrogenous salts [urea and sodium nitrate], by R. Clark and J. I. Quin.

76932 COLE, V. G. Main features of worm infestation in 1950. Muster (n.s.):1-8. Apr. 20, 1951. 45.8 M97 Sheep in New South Wales.

76933 COLE, V. G. Review of animal health problems of 1950. Muster 5:389, 391. (Cont.) Feb. 1, 1951. 45.8 M97 Chiefly blowflies on sheep, in New South Wales.

76934 COLE, V. G. Worm parasites of sheep, 1950. Muster 5:459, 461. (Cont.) Mar. 15, 1951. 45.8 M97 In New South Wales.

76935 CUBA, A., COPAIRA, M., and VEGA DIAZ, E. DE LA. Algunos valores hematológicos en ovinos de la altura. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 5:123-134. Ref. Dec. 1950. 41.9 Un37 English summary.

76936 DUNCAN, D. L., and PHILLIPSON, A. T. The development of motor responses in the stomach of the foetal sheep. J. Expt. Biol. 28:32-40. Ref. Mar. 1951. 442.8 B77

76937 EIKELBOOM, H. On the shape of the udder of our goats. (In Dutch.) Geitenhouder 14(7):2-3. July 1951. 40.18 G27

76938 EWER, T. K., and SINCLAIR, D. P. Internal parasitism in Canterbury sheep. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 32(5):35-48. Feb. 1951. 514 N48A

76939 FETHERS, G. Footrot control. Past. Rev. 61: 502-503. May 16, 1951. 23 Au75 In sheep.

76940 FILMER, D. B., and MCCLURE, T. J. Absorption of anti-nematode antibodies from ewe's colostrum by the new-born lamb. Nature [London] 168:170-171. July 28, 1951. 472 N21

76941 FRIDKIN, A. Pleuroneumonía purulenta de los lanares. Res 19:26094. July 5, 1951. 286.85 R31

76942 GILCH. Die behandlung der trächtigen ziegen. Kleintierzüchter Tierbörse 5(6):9. Feb. 20, 1951. 49 K672

76943 GRAY, F. V., PILGRIM, A. F., and WELLER, R. A. Fermentation in the rumen of the sheep. I-II. J. Expt. Biol. 28:74-90. Ref. Mar. 1951. 442.8 B77

I, The production of volatile fatty acids and methane during the fermentation of wheat hay and lucerne hay in vitro by micro-organisms from the rumen, p.74-82; II, The production and absorption of volatile fatty acids during the fermentation of wheat hay and lucerne hay in the rumen, by F. F. Gray and A. F. Pilgrim, p.83-90.

76944 GREEN, R. J. Current sheep losses in northern Tasmania. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:58-61. Feb. 1, 1951. 23 T182T

76945 GUZMAN, L. G. La cría de caprinos. Res 19:26053-26054. June 21, 1951. 286.85 R31 Chiefly on diseases.

- 76946 HANCOCK, J. Congenital photosensitivity in Southdown sheep, a new sub-lethal factor in sheep. *New Zeal. J. Sci. & Technol. A, Agr. Res. Sect.* 32:16-24. Ref. June 1950, pub. Jan. 1951. 514 N48A
- 76947 HIENZSCH, B. Verbesserung der methodik der verdauungsversuche bei ziegen und schafen. *Arch. f. Tierernähr.* 1:148-150. Nov./Dec. 1950. 389.78 Ar22
- 76948 HOFFMANN, J. A. Vergiftung von drei ziegen durch Andromeda (Pteris) floribunda. *Berlin. u. Münch. Tierärztl. Wchnschr.* 5:97-99. Ref. May 1951. 41.8 B45
- 76949 KLINGER, M. Are you kidding? Better Goat-keeping 6:1353-1356. Mar. 1951. 40.18 B46
- 76950 LAURENCE, G. B., and others. The influence of nutritional level on verminosis in Merino lambs. *Onderstepoort J. Vet. Res.* 25:121-132. Jan. 1951. 41.8 Onl
- J. W. Groenewald, J. I. Quin, R. Clark, R. J. Ortlepp, and S. W. Bosman, joint authors.
- 76951 LEWIS, D. The metabolism of nitrate and nitrite in the sheep. 2. *Biochem. J.* 49:149-153. Ref. July 1951. 382 B52
- 76952 MCEWEN, A. D., LITTLEJOHN, A. I., and FOGGIE, A. Enzootic abortion in ewes. *Vet. Rec.* 63:489-492. July 28, 1951. 41.8 V641
- 76953 MCLEAN, J. V. New light thrown on footrot, its cause and treatment. *Calif. Wool Grower* 27(29):6-7. July 17, 1951. 45.8 C12
- 76954 PAPANDREA, E. New observations on therapy of gastro-intestinal strongylosis in sheep and goats. (In Italian.) *Zooprofilassi* 6:243-247. Ref. June 1951. 41.8 Z72
- English summary.
- 76955 PELOSI, A. Probable causes of poisoning in sheep through Leguminosae attacked by fungi. (In Italian.) *Bari U. Facoltà di Agr. Ann.* 7:157-160. 1950. 105.4 B232
- 76956 REID, R. L. Studies on the carbohydrate metabolism of sheep. III-IV. *Austral. J. Agr. Res.* 2:132-157. Ref. Apr. 1951. 23 Au783
- III, The blood glucose during insulin hypoglycaemia; IV, Hypoglycaemic signs and their relationship to blood glucose.
- 76957 SCHAMBYE, P. Volatile acids and glucose in portal blood of sheep. I. *Nord. Vetmed.* 3:555-574. Ref. July 1951. 41.8 N813
- 76958 SOUTHCOOT, W. H. Suspected tetrachloroethylene poisoning of sheep. *Austral. Vet. J.* 27(6):130-131. June 1951. 41.8 Au72
- 76959 SPENCE, T. Control of sheep scab in Britain. *Austral. Vet. J.* 27(6):136-146. Ref. June 1951. 41.8 Au72
- Due to *Psoroptes equi ovis*. Includes discussion.
- 76960 TAYLOR, A. W. Varieties of *Mycobacterium johnei* [i.e. paratuberculosis] isolated from sheep. *J. Path. & Bact.* 63:333-336. Apr. 1951. 448.8 J82
- 76961 WARD, G. W. Tetanus in sheep. *Westralian Farmers Co-op. Gaz., Stud Stock Sup.* May 1951:58-59, 61-64. 280.28 W522
- 76962 WHITLOCK, J. H. The evaluation of animal growth. *Cornell Vet.* 41:254-266. July 1951. 41.8 C81
- Tests with sheep.
- 76963 WHITLOCK, J. H. The relationship of the available natural milk supply to the production of the trichostrongylidosis in sheep. *Cornell Vet.* 41:299-311. July 1951. 41.8 C81
- Miscellaneous**
- 76964 AULT, C. N. La caída de la lana. *Agrario* 15(422):29-30. Mar. 1951. 9.3 Ag85
- 76965 AUSTRALIA. BUR. OF AGRICULTURAL ECONOMICS. Sheep distribution in Victoria, 1935-36 and 1946-47. Editor: L. G. Ashton. Canberra, 1951. 20 p. 45 Au78
- 76966 BROWN, C. J., and RAY, M. L. Animal with the golden hoof; here is the complete story of how to grow sheep from the time ewes are bred until the wool and lambs are sold. *Prog. Farmer, Miss.-Ark.-La. Ed.* 66(8):19, 72. Aug. 1951. 6 So81
- 76967 CIANI, G. Change or die. (Echos of the National Congress on Sheep Breeding, L'Aquila, Sept. 16-18, 1950.). (In Italian.) *Croce Azzurra* 1:346-351. Nov./Dec. 1950. 41.8 C87
- Sheep transhumance industry.
- 76968 COLBY, B. E., and COWAN, W. A. Sheep production. *Mass. U. Agr. Ext. L.* 179, rev., 47 p. June 1951. 275.29 M381L
- 76969 CREPIN, P. Les expositions caprines en 1950. *Mouton* 6:9-10. Jan. 1951. 45.8 M86
- 76970 FERGUSON, W. Blackface wool; how producers could contribute in raising the standard of the Blackface clip. *Blackface Sheep* 4:16-17, 20. Apr. 1951. 45.8 B56
- 76971 HARTMANN, K. Bessere aufzucht der ziegen-lämmer. *Deut. Kleintier-Züchter* 6(10):6. May 20, 1951. 49 Su22
- 76972 HEFELE, E. Euterpflege und richtiges melken. *Deut. Kleintier-Züchter* 6(3):3. Feb. 5, 1951. 49 Su22
- Goats.
- 76973 MCLEOD, D. High country. IV. *Lincoln Col. Rur. Educ. B.* 6:66-69. June 1951. 109 C162
- Installment deals with sheep farms.
- 76974 MARTEL, H. Le mouton dans l'oeuvre de Rabelais. *Mouton* 6:3-4. Jan. 1951. 45.8 M86
- 76975 NORDBY, J. E. Some problems in meat and wool improvement balance. *Natl. Wool Grower* 41(8):17, 20, 23-24. Aug. 1951. 45.8 N21N
- 76976 PAETZ, M. Milchfehler bei der ziege. *Kleintierzüchter Tierbörse* 5(3):9-10. Jan. 20, 1951. 49 K672
- 76977 PFISTER, L. Sheep in Peru. *Natl. Wool Grower* 41(8):12. Aug. 1951. 45.8 N21N
- 76978 RINOLDI, L. Why wool does not felt during growth. (In Italian.) *Laniera* 65:481. June 1951. 45.8 B63
- 76979 TRUCKENBRODT, A. O. Die schafe auf der DLG-schau in Hamburg; eine kritische betrachtung. *Tierzüchter* 3:365-368. July 5, 1951. 49 T445
- 76980 ZELLER, P. Notes sur l'élevage ovin dans les zones demi-arides des Etats-Unis. *Mouton* 6:39-41. Apr. 1951. 45.8 M86
- SWINE**
- Breeds and Breeding**
- 76981 BOUCHER, H. 1950 Hampshire bloodline trends. *Amer. Hampshire Herdsman* 26(6):30-34. June 1951. 46.8 Am33
- 76982 BOUCHER, H. Today's Hampshire family strains. *Amer. Hampshire Herdsman* 26(6):42-44, 46, 48, 50, 52, 54, 56, 58. June 1951. 46.8 Am33
- Boars.
- 76983 BRANIGAN, V. Great Berkshire traditions in Missouri. *Berkshire News* 16(10):9, 24. Aug. 1951. 46.8 B454
- 76984 CLAY, H. W. The story of P. E. Island Yorkshires. *Canad. Soc. Anim. Prod. East. Sect. Rpt. Proc.* 15:20-25. 1950. 49.9 Ea72
- 76985 COOLLEY, J. Why Berkshires? *Berkshire News* 16(10):10, 23. Aug. 1951. 46.8 B454
- 76986 ELLING, C. Breeding good OICs. *OIC News* 17(4):4, 9. Apr. 1951. 46.8 O11
- 76987 FERRIN, E. F. Watch your speedometer. *Chester White J.* 41(7):8. July 1951. 46.8 W582
- Breeding.
- 76988 HEITMAN, H., JR. Improving swine production. *Chester White J.* 41(7):11. July 1951. 46.8 W582
- For meat.
- 76989 HERNANDEZ, E. Care and handling of boars. (In Portuguese.) *Agr. e Pecuaria* 22(331):42-43. Apr. 1951. 9.2 Ag89
- 76990 HOGREVE, F. Reiseeindrücke aus Dänemark. "Dänische schweinezüchter prüfen röntgendurchleuchtung als hilfsmittel zur selektion." *Tierzüchter* 3:364-365. July 5, 1951. 49 T445
- 76991 HOLLSTEIN, D. There is plenty of room at the top; beginners in Hampshire breeding can share in privileges, responsibilities and rewards. *Amer. Hampshire Herdsman* 26(6):36, 38-40. June 1951. 46.8 Am33
- 76992 JORDAN, A. W. Let's talk herd boars. *Chester White J.* 41(7):24. July 1951. 46.8 W582
- 76993 LEWIS, L. H. Improving profits from hogs; one and two litters per sow per year compared. *Fla. Grower* 59(7):44. July 1951. 80 F6622
- 76994 MENEUGH, H. Progress in the purebred industry. *Poland China World* 38(7):12-14. Aug. 1951. 46.8 Sw62
- 76995 MESCHINI, C. Rosy swine. (In Italian.) *Terra e Sole* 107:263-264. July 1951. 16 T273
- Large White breed.
- 76996 NIELSEN, J. Some investigations made within Danish pigbreeding. (In Danish.) *Nord. Jordbrforsk.* 1949/50:254-274. Ref. 1951. 11 N752
- English summary.

- 76997 PICAZO JR., E. Consanguinidad en la crfa de cerdos. *Tierra* [Mexico] 6:413-415. July 1951. 8 T445
- 76998 STOTHART, J. G., and FREDEEN, H. T. Selection on the basis of performance in swine. *Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc.* 19:49-51. 1950. 49.9 C166
- 76999 STOTHART, J. G., and FREDEEN, H. T. The swine breeding research program at Lacombe. *Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc.* 19:10-14. 1950. 49.9 C166
- 77000 WHATLEY, J. A., and others. The performance of inbred lines of hogs in crosses. *Okla. Agr. Expt. Sta. Misc. P. MP-22:16-20.* June 1951. 100 Ok4
- J. C. Hillier, J. V. Whiteman, and D. Chambers, joint authors.
- 77001 WILLHOYTE, B. Helpful hints to the beginning breeder. *Amer. Hampshire Herdsman* 26(6):18-20. June 1951. 46.8 Am33
- Feeds and Feeding**
- 77002 ASDONK, T. Gefährdete schweinemast? *Landwirt. Z. der Nord-Rheinprov.* 118:572. June 30, 1951. 18 L2344
- 77003 BOTKIN, M. P., and others. APF supplements for growing and fattening pigs. *Okla. Agr. Expt. Sta. Misc. P. MP-22:20-22.* June 1951. 100 Ok4
- A. B. Watts, J. A. Whatley, and O. B. Ross, joint authors.
- Vitamin B12, and aureomycin.
- 77004 BOWLAND, J. P. Animal protein factor tests with swine. *Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc.* 19:36-41. 1950. 49.9 C166
- 77005 BRÜGGEMANN, H. Grünfütter und weidegang erhöhen wirtschaftlichkeit und gesundheitszustand in der schweinezucht. *Tierzüchter* 3:371-373. July 5, 1951. 49 T445
- 77006 BÜNGER, H., and others. Mastversuch zur feststellung des futterverzehr und des nährstoffverbrauchs bei leichten und schweren schweinen. *Arch. f. Tierernähr.* 1:65-72. Sept./Oct. 1950. 389.78 Ar22
- E. Friedrich, O. Hülsen, and K. Hülsen, joint authors.
- 77007 CATRON, D. V., and others. Effect of different levels of aureomycin with and without vitamin B12 on growing-fattening swine. *Antibiotics & Chemother.* 1:31-40. Apr. 1951. 396.8 An8
- H. M. Maddock, V. C. Speer, and R. L. Vohs, joint authors.
- 77008 COLUMBUS, A. Die variabilität der biologischen eiweisswertigkeit unter verschiedenen bedingungen, nach stoffwechselversuchen an wachsenden schweinen. *Arch. f. Tierernähr.* 1:84-128. (Concl.) Ref. Sept./Oct. 1950. 389.78 Ar22
- 77009 DAVIDSON, H., and BARNES, H. Feeding your swine. *Hog Breeder* 26(8):6-7, 18-19. Aug. 1951. 46.8 H672
- Includes formulas.
- 77010 FABIANI, F. Fattening of swine. (In Italian.) *Seme* 2:252-253. Nov. 1950. 16 Se5
- 77011 GOBBLE, J. L. Corn and cob meal for gilts. *Chester White J.* 41(7):16. July 1951. 46.8 W582
- 77012 HEIDEBRECHT, A. A., and others. The effect of antibiotics, combinations of antibiotics and vitamin B12, and sulfathalidine on unthrifty pigs. *Okla. Agr. Expt. Sta. Misc. P. MP-22:77-79.* June 1951. 100 Ok4
- O. B. Ross, C. K. Whitehair, R. W. MacVicar, and W. M. Smith, joint authors.
- 77013 HEIDEBRECHT, A. A., and others. Reproduction and lactation performance of sows fed B-vitamins and aureomycin. *Okla. Agr. Expt. Sta. Misc. P. MP-22:75-77.* June 1951. 100 Ok4
- O. B. Ross, C. K. Whitehair, R. W. MacVicar, and W. M. Smith, joint authors.
- 77014 HEIDEBRECHT, A. A., and others. The value of adding aureomycin to a good ration for growing pigs. *Okla. Agr. Expt. Sta. Misc. P. MP-22:79-81.* June 1951. 100 Ok4
- O. B. Ross, C. K. Whitehair, and R. W. MacVicar, joint authors.
- 77015 HEINSOHN DE BRIGARD, J. Engorde de cerdos. *Agr. Trop.* 7(5):17-20. May 15, 1951. 26 Ag8
- 77016 HILLIER, J. C., and others. The effect of the energy content of the ration and rate of gain on certain characteristics of the pork carcass. *Okla. Agr. Expt. Sta. Misc. P. MP-22:92-96.* June 1951. 100 Ok4
- J. A. Whatley, J. V. Whiteman, and D. I. Gard, joint authors.
- 77017 KRIDER, J. L. Nutritional needs of swine. *Feedstuffs* 23(29):20-21. Ref. July 21, 1951. 286.81 F322
- 77018 KÜHLE. Die fütterung hochtragender und säugender sauen. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:1031. July 12, 1951. 18 L2346
- 77019 LANSDALE, D. Feeding before farrowing. *Mod. Poultry Keeping* 65:99. July 25, 1951. 47.8 Eg3
- 77020 MAN, T. J. DE. Feeding tests with whey paste. (In Dutch.) *Nederland. Zuivelbond. Off. Orgaan* 43:304-305. June 20, 1951. 44.9 AL3
- Swine and calves.
- 77021 PARTANEN, J. Kuoriton maidon osittaisesta korvaamisesta soijarouhe-maapähkinäkakkuseoksella sikojen ruokinnassa. On the partial replacement of skim milk by a mixture of soybean oil meal and peanut oil cake. Finland. Maatalouden Koetöiminnan Keskusvaliokunta. Valtion Maatalouskoet. Julkaisu. 135, 12 p. Ref. 1950. 20 F495
- English summary.
- In swine feeding.
- 77022 PARTANEN, J. Sikatalouskoeasemalla tehtyjen eri sikakantoja vertailevien kokeiden tulokset v:ita 1948. The Finnish pig testing results for the year 1948. Finland. Maatalouden Koetöiminnan Keskusvaliokunta. Valtion Maatalouskoet. Tiedonantoja 221, 16 p. 1950. 20 F495T
- English summary.
- Nutrition.
- 77023 POIJARVI, I., PARTANEN, J., and PAKARINEN, S. Uusi ruokintakoe heran rehuarvon selvittämiseksi sikojen ruokinnassa. On the nutritive value of whey in feeding of pigs. Finland. Maatalouden Koetöiminnan Keskusvaliokunta. Valtion Maatalouskoet. Julkaisu. 133, 18 p. Ref. 1950. 20 F495
- English summary.
- 77024 POMEROY, R. W. The right food—at the right time. *Farmers Wk. [London]* 35(2):57. July 13, 1951. 10 F2226
- In pig management.
- 77025 RICHARDS, K. L. An interesting pig feeding trial. *Countryman [Nicosia]* 5(6):16-17. June 1951. 25 C83
- 77026 RICHARDSON, D., and others. Vitamin B12 requirement of male weanling pigs. *J. Nutr.* 44:371-379. July 10, 1951. 389.8 J82
- D. V. Catron, L. A. Underkofler, H. M. Maddock, and W. C. Friedland, joint authors.
- 77027 RICHTER, F. Die eignung von milocorn für die schweinemast im vergleich zum mais. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 7/8:36-38. 1950. 49 B32
- 77028 RICHTER, F. Das masthilfsmittel "Sagin" und seine wirkung in der schweinemast. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 7/8:33-35. 1950. 49 B32
- 77029 RICHTER, F. Das masthilfsmittel "Turil" und seine wirkung in der schweinemast. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 7/8:29-31. 1950. 49 B32
- 77030 RICHTER, F. Vergleichende fütterungsver-suche mit dorschmehl und extrahiertem fischmehl bei schweinen. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 7/8:35-36. 1950. 49 B32
- 77031 RICHTER, F. Die wirkung des "Ergona"-auf-zuchtpräparates "Vitasol" beim schwein. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 7/8:31-33. 1950. 49 B32
- 77032 VAN DER VYVER, B. J. The feeding of bacon pigs. *Farming So. Africa* 26:121-124. Apr. 1951. 24 So842
- 77033 VAN HOUWELING, C. D. Feeding for more pigs. *Breeder's Gaz.* 116(8):12. Aug. 1951. 49 B74
- 77034 WHITEHAIR, C. K., REBER, E., and MAC-VICAR, R. W. Supplements for all plant rations for swine. *Okla. Agr. Expt. Sta. Misc. P. MP-22:39-42.* June 1951. 100 Ok4
- 77035 WILLMAN, J. P. Trace mineral supplements for fattening pigs fed in dry lot. *Feed Age* 1(7):31-33. July 1951. 389.78 F327
- 77036 ZORN, W., and HECKELBACHER. Wie verwerte ich die überschüssigen kartoffeln in der schweinemast am besten? Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 11/12:24-27. 1951. 49 B32
- Veterinary Medicine**
- 77037 BAILEY, J. W. Those new swine diseases. *Hoard's Dairyman* 96:626. Aug. 10, 1951. 44.8 H65
- 77038 BARKER, W. L. A cytochemical study of lipids in sows' ovaries during the estrous cycle. *Endocrinology* 48:772-785. Ref. June 1951. 448.8 En2

- 77039 BEAMER, P. D. Be on guard for necrotic rhinitis, it is contagious and incurable. *Berkshire News* 16(10):11,23. Aug.1951. 46.8 B454
- 77040 BOLEY, L. E., and others. Studies on porcine enteritis. II. Experimental therapy with sulfathalidine, sulfamethazine, sodium arsanilate, and bacitracin in a natural outbreak of swine dysentery. *Cornell Vet.* 41:231-235. July 1951. 41.8 C81
- G. T. Woods, R. D. Hatch, and R. Graham, joint authors.
- 77041 BORRELLI, G. Modern operative technique in the castration of the hog. (In Italian.) *Croce Azzurra* 1: 328-333. Nov./Dec.1950. 41.8 C87
- 77042 BULLARD, J. F. Gastric ulcer in a large boar. *Amer. Vet. Med. Assoc. J.* 119:129. Aug.1951. 41.8 Am3
- 77043 CAVIER, R., and SAVEL, J. Sur la composition chimique de l'ascaris du porc, *Ascaris lumbricoides* Linné 1758. *Soc. de Chim. Biol. B.* 33:447-454. Ref. 1951. 383 Sol
- 77044 CAVIER, R., and SAVEL, J. Sur la composition chimique du liquide coelomique de l'ascaris du porc, *Ascaris lumbricoides*, Linné 1758. *Soc. de Chim. Biol. B.* 33:455-460. Ref. 1951. 383 Sol
- 77045 COHEN, H. K. Transmissible gastroenteritis in swine. *Vet. Sci. News* 5:15-18. Feb.15,1951. 41.8 V6492
- 77046 GLASSER, K. Forschungsfortschritte seit dem kriege bei den wichtigsten aufzuchtkrankheiten des schweines. Kritische darstellung des standes ihrer lehre. *Deut. Tierärztl. Wchnschr.* 58:222-225. (Concl.) Ref. July 15,1951. 41.8 D482
- 77047 GORDON, W. A. M. The isolation of *Salmonella dublin* from an outbreak of dysentery in pigs. *Vet. Rec.* 63:481. July 21,1951. 41.8 V641
- 77048 HEIDEBRECHT, A. A., and others. The effect of various levels of penicillin upon growth of pigs. *Okla. Agr. Expt. Sta. Misc. P. MP-22:72-75.* June 1951. 100 Ok4
- O. B. Ross, C. K. Whitehair, and R. W. MacVicar, joint authors.
- 77049 HELMBOLDT, C. F., JACOBS, R. E., and CASE, L. I. An outbreak of porcine listeriosis. *Vet. Med.* 46:347-349. Ref. Sept.1951. 41.8 M69
- 77050 JANSEN, J., and DORSEN, C. A. VAN. Streptococcal meningeal encephalitis in pigs. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:590. July 15,1951. 41.8 T431
- 77051 KRANEVELD, F. C., ERBER, M., and MANSJOER, M. Salmonella bearers in clinically sound pigs in Java; also an investigation of the aerobical bacterial flora of the mesenteric lymph nodes in these animals. (In Dutch.) *Hemera Zoa* 58:48-73. Ref. Jan./Feb.1951. 41.8 V51
- English summary.
- 77052 MCINTOSH, R. A. Infectious rhinitis of swine. *Canad. Swine* 13(2):3-4. June 1951. 46.8 C16
- 77053 MOLINA, A. S. Peste porcina. *Res* 19:26087-26088. July 5,1951. 286.85 R31
- 77054 NEUMANN-KLEINPAUL, K., and SANDER, W. Elektrokardiographische untersuchungen in herztodbeständen. *Monatsh. f. Vetmed.* 6:169-175,186-191. Ref. May 1-15,1951. 41.8 M742
- Swine.
- 77055 PICAZO JR., E. Vacunación de los cerdos. *Tierra [Mexico]* 6:441. July 1951. 8 T445
- For cholera and hemorrhagic septicemia.
- 77056 PILET, E., and VERGE, J. La méningo-encéphalomyélite enzootique du porc (maladie de Teschen). *Off. Internatl. des Epiz. B.* 35:337-377. Ref. July/Aug. 1951. 41.8 Of2
- 77057 PILLINGER, D. B. Nutritional deficiency diseases in pigs. *Austral. Dairy Rev.* 19(6):23-24. (Cont.) June 1,1951. 44.8 Au73
- 77058 PLANK, G. M. VAN DER. Relationship between breeding, feeding and control of diseases especially in swine. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:570-579. July 15,1951. 41.8 T431
- 77059 ROBINSON, M. Field observations on the use of acetylarsan and stovarsol in the treatment of swine dysentery. *Austral. Vet. J.* 27(6):132-135. June 1951. 41.8 Au72
- 77060 SORIA, G. E. Prevención de la peste porcina. *Agr. Austral* 19:96-97. Mar.1951. 9.3 Ag842
- 77061 SPEER, V. C., and others. Growth response of swine fed penicillin. *Antibiotics & Chemother.* 1:41-46. Ref. Apr.1951. 396.8 An8
- H. M. Maddock, P. W. W. Cuff, and D. V. Catron, joint authors.
- 77062 TERPSTRA, J. I. Penicillin dosage for swine. (In Dutch.) *Tijdschr. v. Diergeneesk.* 76:489-490. July 1, 1951. 41.8 T431
- 77063 WILLIAMSON, R. L. Swine pox (clinical observations). *Fort Dodge Bio-chem. Rev.* 21(4):10. Winter 1951. 41.8 F772

Miscellaneous

- 77064 BERTHON, A. Toujours les établissements classés. *Porc* 22(4):11-12. Apr./May 1951. 46.8 P822
- 77065 BLOOMFIELD, H. You can find "meat type" hogs right in your herd; Ohio growers are learning that the best-doers in the feed lot yield the least fat, and make the best prices. *Country Gent.* 121(8):27,53-54,56. Aug.1951. 6 C833
- 77066 BOEGER. Schweineaufzucht- und mastversuch. *Landwirt. Z. der Nord-Rheinprov.* 118:384. May 5,1951. 18 L2344
- 77067 BROWN, D. W. Showing at the fair. *Chester White J.* 41(7):3-4. July 1951. 46.8 W582
- 77068 BRUNNERT, J. Westfälische schweine seit 60 jahren auf DLG-Ausstellungen. *Neue Mitt. f. die Landwirt.* 6:365-366. June 2,1951. 18 N39
- 77069 CORBAT, A. F. Crianza e inverne del cerdo. *Rev. SanCor* 9(103):26-27. May 1951. 280.28 R322
- 77070 DENNLER DE LA TOUR, G. Zootecnia; los Suidos y Tayasuidos. *Asoc. Argentina Criadores de Cerdos. Rev.* 30(346):27-29,31-32. June 1951. 46.9 As5
- Wild swine from all parts of the world.
- From review, Diana.
- 77071 DINGERDISSEN. Billigere schweinehaltung im sommer. *Landwirtsbl. Weser-Ems* 98:451-452. May 24, 1951. 18 L2345
- 77072 ECKHOFF. Die knochenstärke des schweines und ihre beziehung zur fleisch-fett-bildung. *Tierzüchter* 3:393-396. July 20,1951. 49 T445
- 77073 FITZGERALD, A. D. Swine production in Louisiana. *La. Agr. Col. Ext. P.* 1089,28 p. June 1951. 275.29 L93Ep
- 77074 HEINSOHN DE BRIGARD, J. Rayos infrarrojos en la cría de cerdos. *Agr. Trop.* 7(6):28-29. June 1951. 26 Ag8
- 77075 HOLLSTEIN, D. What do you expect of your fieldman? *Amer. Hampshire Herdsman* 26(6):199-201. June 1951. 46.8 Am33
- 77076 JORDAN, A. Your exhibit. *Berkshire News* 16 (10):6,28-29. Aug.1951. 46.8 B454
- Showing swine.
- 77077 KILDEE, H. H. Want to be a swine show judge? *Amer. Hampshire Herdsman* 26(6):64,66-68. June 1951. 46.8 Am33
- 77078 LEGEAR, D. H. Proper care cuts pig losses. *Co. Agent & Vo-Ag Teacher* 7(8):22. Aug.1951. 275.28 N213
- 77079 LIPPOLD, G. It is easy to sell Hampshires. *Amer. Hampshire Herdsman* 26(6):24,26-27,60-61. June 1951. 46.8 Am33
- 77080 MASSACHUSETTS UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Pointers for pork profits, by B. E. Colby, W. A. Cowan, and N. Hale. *Amherst?* 1951. 11 p. 275.2 M38Poi
- 77081 NEWLAND, H. W. Looking back on the farrowing. *Chester White J.* 41(7):10. July 1951. 46.8 W582
- 77082 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Stepping up bacon production. XIII. Good rearing means more profit. *North. Ireland. Min. Agr. Mon. Rpt.* 26:71-75. July 1951. 256.13 Ag82M
- 77083 PICAZO JR., E. Por qué se pierde el 40% de lechones antes del destete. *Tierra [México]* 6:218-220, 251. Apr.1951. 8 T445
- 77084 PLAGER, C. If I were a hog producer. *Chester White J.* 41(7):7-8. July 1951. 46.8 W582
- Shows, carcass contests, and breed promotion.
- Also in *Amer. Hampshire Herdsman* 26(6):14,16,92-93. June 1951. 46.8 Am33
- 77085 ROHRIG, F. Grundsätzliche fehler in der ferkelaufzucht. *Bad. Landwirt. Wchnbl.* 118:310. May 19, 1951. 18 B142
- 77086 SIMPSON, R. 1,000 pigs on the North Atlantic shore. *Farmer & Stock-Breeder* 65(3220):96-97. July 10,1951. 10 F228
- Management and housing.
- 77087 TORRENS PASTOR, A. Zoometria del cerdo mallorquin. *Balearic Isl. Diputación Prov. B. de Agr.* 75: 10. Dec.1950. 15 B19
- 77088 WICHMANN, H. Das schwein. Hannover, Landbuch-Verlag,1950. 152 p. Ref. 46 W63

- 77089 WOLFF, W. Die ausbildung zum schweine-zuchtmeister. Tierzucht 5:17-19. Jan.1951. 49 T443
 77090 ZELLER, J. H. Better meat-type hogs. Feed Age 1(4):32-35,54. Apr.1951. 389.78 F327
 Breeding, feeding, and marketing.

ENTOMOLOGY

GENERAL

- 77091 ANSARI, M. A. R. Arthropods collected from birds of the Punjab. Indian J. Ent. 11:215-219. Dec.1949, pub.Feb.1951. 420 In23
 Mites, ticks, and insects.
 77092 BASU, B. C. Veterinary entomology in India. (Extr.) Indian Vet. J. 27:438-441. May 1951. 41.8 In2
 Insects as vectors of animal disease, and control of pests.
 77093 BAUDOIN, R. Le réflexe d'hydranapheuxis chez les insectes du bord des eaux. B. Biol. de la France et de la Belg. 85:88-104. Ref. First Q.1951. 473 B87
 Behavior of Aepophilus bonnai, and other insects, with respect to the surface-tension meniscus.
 77094 BERTRAND, H. Les insectes aquatiques. B. Franç. de Piscicult. 23:89-104. (Cont.) Jan./Mar.1951. 414.8 B87
 77095 BROWN, F. M. Simple statistics for the taxonomist. I. Lepidopterists' News 5:4-6. 1951. 421 L554
 77096 CASPERS, H. Biotische untersuchungen über die strandarthropoden im bulgarischen küstenbereich des Schwarzen Meeres. (Untersuchungen über die bulgarische küstentierwelt (3)). Hydrobiologia 3:131-193. Ref. Apr.1,1951. 410 H992
 "Die Chironomidenfauna der algenüberzüge in der spülzone, p. 163-164.
 Includes chilopods, insects, and arachnids.
 77097 CLEMENT, P. Préservation des collections d'insectes contre les insectes, les moisissures et les fermentations en pays tropicaux—et in quibusdam aliis. Entomologiste 7:15-18. Jan./Feb.1951. 421 En814
 77098 CODY, J. Entomological illustrations and techniques. (Abs.) N. Y. Ent. Soc. J. 59:120. June 1951. 420 N48J
 77099 CONDRILLIER, G. Contribution à la faune entomologique de la forêt de la Sainte-Baume. Entomologiste 7:18-28. Jan./Feb.1951. 421 En814
 77100 DAMMERMAN, K. W. Original spelling and emendation in nomenclature. Tijdschr. v. Ent. 93:198-205. 1950, pub. Mar. 20, 1951. 421 T21
 77101 DONOHUE, H. Teaching entomology to seventh grade children. (Abs.) N. Y. Ent. Soc. J. 59:118. June 1951. 420 N48J
 77102 HANA, K. Dieren in onze landschappen [Animals in our landscape]. Ed. 2, rev. Amsterdam, Meulenhoff, 1950. 207 p. 411.2 H19
 Includes insects.
 77103 HENKE, K., and RÖNSCH, G. Über bildungs-gleichheiten in der entwicklung epidermaler organe und die entstehung des nervensystems im flügel der insekten. Naturwissenschaften 38:335-336. July 15, 1951. 474 N213
 77104 HESSBERG, VON. Obstblütenbestäubung. Imkerfreund 6:152-153. May 1951. 424.8 Im43
 77105 HINCKS, W. D. Some insects from Dovedale, Derbyshire. Soc. Brit. Ent. J. 3:279-281. Apr. 26, 1951. 420 En85J
 1, Beetles associated with Polyporus squamosus (Huds.) Fr.; 2, Gasteruption jaculator (L.); 3, Some parasitic Hymenoptera.
 77106 ILLINGWORTH, F. Insects in the Arctic. Co-op. Home Mag. 56(7):11. July 1951. 280.28 W563
 77107 KIMMINS, D. E. The 3rd Danish Expedition to Central Asia. Zoological results 4. Odonata, Ephemeroptera and Neuroptera (insecta) from Afghanistan. Dansk. Nathist. For Vidensk. Meddel. 112:235-241. 1950. 502 D232
 77108 LEECH, H. B. Carbon tetrachloride is dangerous. Lepidopterists' News 5:6. 1951. 421 L554
 77109 LOHMANDER, H. Vermin in Småland. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. Natur i Småland, p.168-173. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
 Insects.
 77110 NAERLAND, G. Om snyltarplaga hos småfe [On the pest trouble of small livestock]. Norsk Sau- og Geitelslag. Smaskr. 1,69 p. 1950. 45.9 N812
 77111 NEVILLE, D. The beauty of insects—and snails. My Gard. 42:427-430. Apr.1951. 80 M995

- 77112 PALM, T. On the insect fauna of Gästrikland. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. Natur i Gästrikland, p.97-101. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432
 77113 PEETERS, J. F. Les cynips et leurs travaux. Cour. Hort. 13:204-205. Apr.1951. 80 C834
 77114 ROSS, W. A. Formation of the Entomological Society of Canada. N. Y. Ent. Soc. J. 59:74. June 1951. 420 N48J
 77115 SANDERSON, I. T. The human minority. Sat. Evening Post 224(7):40,80-82. Aug.18,1951. 110 Sa8
 Includes discussion of insect population.
 77116 SHENEFELT, R. D., and MEDLER, J. T. Should a "law of recency" be added to the International Code of Zoological Nomenclature? Science 114:154-156. Aug.10,1951. 470 Sci2
 77117 SNODGRASS, R. E. Anatomy and morphology. N. Y. Ent. Soc. J. 59:71-73. June 1951. 420 N48J
 Definition of terms.
 77118 STANLEY, J. The autotrophon: an apparatus for rearing insects under controlled conditions with automatic time-controlled withdrawal of samples. Ecology 32:413-442. July 1951. 410 Ec7
 77119 STRAWINSKI, K. Owady przenoszące wirusy roślin spotykane na terenie województwa lubelskiego. Insects that are vectors of the virus diseases of plants found in the area of the province Lublin. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. I 5,251-275. Ref. 1950. 512 L96Ae
 English summary.
 77120 THOMPSON, J. A. Greenhouse pests and control. Oreg. Orchid Soc. B. 5(6):2-3. June 1951. 80 Or34
 77121 WIGGLESWORTH, V. B. Metamorphosis in insects. Roy. Ent. Soc. London. Proc. Ser. C: J. Mtg. 15: 78-82. Ref. 1950/51. 420 L84Pc
 77122 WILLIAMS, C. M. Biochemical mechanisms in insect growth and metamorphosis. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 10:546-552. Ref. June 1951. 442.9 F31P

GENERAL - ECONOMIC

- 77123 ACHARD. Lutte contre les ennemis de la betterave. Agriculture [Paris] 15:153,155-157. June 1951. 14 Ag823
 Insects and diseases.
 77124 ARANT, F. S. Insect pests. In The peanut; a symposium, p.210-261. Ref. Washington, Natl. Fert. Assoc., 1951. 77 P313
 77125 ARCHIMOWITSCH, K. Plagas del tomate en el año 1950. Siembra [La Paz] 7(5):21-22. May 1951. 9.1 Si1
 Insects.
 77126 ARMER, W. Livestock pests; external parasites. Ariz. Agr. Col. Ext. C. 185,14 p. Mar.1951. 275.29 Ar42
 77127 AYOUTANTIS, A., and KORTZAS, C. L'importance des dégâts occasionnés à la viticulture par diverses causes. Off. Internatl. du Vin. B. 24(244):105-111. June 1951. 390.8 B87
 Pests and diseases.
 77128 AYOUTANTIS, A. J., and PELECASSIS, E. D. Rapport sommaire sur les insectes et autres animaux nuisibles observés en Grèce en 1948 et 1949. Inst. Phytopath. Benaki. ann. 4:8-10. 1950. 464.9 At4
 77129 BALDASSARI, T. Barium polysulfide. (In Italian.) Agr. Ferrarese 54:246-247. Nov.30,1950. 16 Ag87
 As insecticide and fungicide.
 77130 BELLAVITE, F. Preparation of sprays. (In Italian.) Informatore Agr. 7(9):5. May 1,1951. 281.8 In32
 For insect and disease control.
 77131 BENLLOCH, M. La lucha contra las plagas. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 3,8 p. Feb.1951. 15 H68
 Insect and disease control.
 77132 BERZAGHI, M. Control pests. (In Portuguese.) Rev. dos Mercados 2(5):76-78. Jan.1951. 286.8 R328
 Insects.
 77133 BESEMER, A. F. H. The assay of spray materials and their use. (In Dutch.) Tijdschr. v. Ent. 93: T5-T6. 1950, pub. Mar. 20, 1951. 421 T21
 77134 BISHOPP, F. C. Delaney hearings debate: do we need pest-control chemicals? II. Amer. Fert. & Allied Chem. 114(7):26-30. July 1951. 57.8 Am3
 77135 BLACKALLER V., A. Plagas del maíz en Mexico. III. Tierra [Mexico] 6:426-429. July 1951. 8 T445
 Insects.

- 77136 BODENHEIMER, F. S. Citrus entomology in the Middle East, with special references to Egypt, Iran, Irak, Palestine, Syria, Turkey. 's-Gravenhage, Junk, 1951. 663 p. 423 B636
- 77137 BORGHESE, G. Disinfestation in Italy. (In Italian.) *Rass. Chim.* 2(5):19-20. Ref. Nov./Dec.1950. 385 R18
Control of stored food pests.
- 77138 BOVIEN, P., and THOMSEN, M. Haveplant-ernes skadedyr og deres bekaempelse [Pests of garden plants and their control]. Ed. 3, rev. København, Bangs, 1950. 346 p. 423 P663
- 77139 BREAKEY, E. P. Bulbs and their bugs. Northwest Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:8-12. 1950. 81 N818
- 77140 BROWN, A. W. A. Insect control by chemicals. New York, Wiley, 1951. 817 p. 423 B813
- 77141 CAMERON, A. E. Citrus problems, systemic insecticide offers possibilities of single control of a wide range of insect pests. *Citrus News* 27:67,77. May 1951. 80 C494
- 77142 CANIZO, J. DEL. Las plagas y enfermedades de los frutales en el vivero. *Siembra [La Paz]* 7(5):9-12. May 1951. 9.1 S11
- 77143 CHANDLER, S. C. Peach insects of Illinois and their control. *Ill. Nat. Hist. Survey Div. C.* 43,63 p. Ref. 1950. 410.9 IL6C
- 77144 COLAMARIA, F. Disinfestation of wheat soils. (In Italian.) *Agr. Ferrarese* 54:222-225. Oct.31,1950. 16 Ag87
- 77145 CONNECTICUT UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Spray guide, 1951, for peaches and other stone fruits, by F. D. Johanson, P. Garman, and E. M. Stoddard. Storrs? 1950? 3 p. 275.29 C76Pe
- 77146 COUNT, R. D. Introducing your enemies. *Fuchsia Fan* 11(6):6-7. June 1951. 96.532 F952
Chiefly insects.
- 77147 CUILLÉ, J., and DAUDIN, J. Activité résiduelle de quelques insecticides de contact. *Rev. de Path. Vég. et d'Ent. Agr. de France* 29:226-235. Ref. Dec.1950. 464.9 S01
- 77148 DANIELS, L. B. Pests controlled by using DDT. *Colo. Potato Grower* 29:1,6. July 1951. 75.8 C71
- 77149 DAVID, W. A. L. Insecticidal-action studies with bisdimethylaminophosphorous anhydride containing 32 phosphorus. *Ann. Appl. Biol.* 38:508-524. Ref. June 1951. 442.8 An72
- 77150 DUCOURTIAL, P. L'ennemi menace vos cultures; insecticides de contact. *B. des Engrais* 329:54-56. Mar.1951. 57.8 B87
- 77151 DUCOURTIAL, P. La protection des pommes de terre. *B. des Engrais* 331:93-94. May 1951. 57.8 B87
- 77152 EASTER, S. Worldwide losses due to insects in stored foods. (Abs.) *N. Y. Ent. Soc. J.* 59:119. June 1951. 420 N48J
- 77153 ENNS, W. R. Cotton insects and their control in Missouri. *Mo. Agr. Expt. Sta. B.* 545,15 p. Jan.1951. 100 M693
- 77154 FABRIZIUS, P. Hospital for sick insects. *Sci. Digest* 30(3):72-75. Sept.1951. 470 Sci27
University of California Insect Clinic.
- 77155 FARMER, S. F. The battle between scientist and pest; research workers from all over the world meet to discuss cheaper safer and more effective ways of crop protection. *Power Farmer* 7:88-89. Aug.1951. 58.8 P872
- 77156 FJELDDALEN, J., and GJAERUM, H. B. Kjemiske midler mot skadedyr og soppsjukdommer [Chemical preparations against insects and fungus diseases]. *Norway. Stat. Plantevern. Flygeskr.* 41,12 p. Feb.1951. 86 N83F
- 77157 FRANKLIN, H. J. Cranberry insects in Massachusetts. II-VII. *Mass. Agr. Expt. Sta. B.* 445,88 p. Oct.1950. 100 M38H
- 77158 FRANSEN, J. J. On the development of insect control in forestry. IV. (In Dutch.) *Nederland. Heide-maatsch. Tijdschr.* 62:179-183. June 1951. 12 N282
- 77159 FROST, M. H., JR. Cotton and insects. *Crop Comments* 4(7):1,8. May 1951. 57.8 C88
Arizona.
- 77160 FÜRST, H. Fortschritte in der chemie der schädlingbekämpfungs- und pflanzenschutzmittel. *Chem. Tech.* 3:117-122. (Concl.) Ref. Apr.1951. 384 C4283
Insecticides and fungicides.
- 77161 GOLDING, F. D. The insect pests of Nigerian crops and stock. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(1):244-247. 1945, pub.1950. 515 C762C
- 77162 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. External parasites of poultry. *Gt. Brit. Min. Agr. & Fisheries. Anim. Health L.* 26,9 p. June 1951. 41.9 G792A
- 77163 HARRISON R. A. Tests with some insecticides on DDT-resistant houseflies. *New Zeal. J. Sci. & Technol. B, Gen. Res. Sect.* 32(6):5-11. May 1951. 514 N48B
- 77164 HARTLEY, G. S., and others. Studies on commercial octamethylpyrophosphoramide (Schradan). I-II. *J. Sci. Food & Agr.* 2:303-314. Ref. July 1951. 382 S012
I, Composition and analysis, by G. S. Hartley, D. F. Heath, J. M. Hulme, D. W. Pound, and M. Whittaker; II, Determination of toxic residues, by A. David, G. S. Hartley, D. F. Heath, and D. W. Pound.
- Insecticide.
- 77165 HASSELBACH, R. Zur schädlingbekämpfung im weinbau. *Weinbau* 6:361-362. June 17,1951. 390.8 W432
Insects and diseases.
- 77166 HAWKES, J. G. Organización y planeamiento para el mejoramiento de la papa. II. *Agr. Trop.* 7(6):11-16. June 1951. 26 Ag8
Pest and disease control in Colombia.
- 77167 HAYES, W. J., JR., FERGUSON, F. F., and CASS, J. S. The toxicology of dieldrin and its bearing on field use of the compound. *Amer. J. Trop. Med.* 31:519-522. July 1951. 448.8 Am33
- 77168 HEDDERGOTT, H. Neue wege in der schädlingbekämpfung. *Tech. f. Bauern u. Gärt. Ausg. A* 3:239-240. Apr.25,1951. 58.8 T223
- 77169 HEERDT, W. Der heutige stand der schädlingbekämpfung mit hochwirksamen gasen in nahrungsmittelbetrieben. *Mühle* 88:301-302. May 10,1951. 298.8 M89
- 77170 HELDRETH, H. E. Use care with insecticides. *Calif. Citrog.* 36:424-425. Aug.1951. 80 C125
- 77171 HOLMSTRÖM, S. Farm costs for economic poisons etc. (In Swedish.) *Lantmannen* 35:568-570. July 21,1951. 11 L234
- 77172 HORBER, E. Aktuelle fragen der schädlingbekämpfung im ackerbau. *Grüne* 79:411-425. Apr.13, 1951. 17 Sch9
Injurious insects in Switzerland.
- 77173 HÜTER, L. Der heutige stand der getreide-entwesung mit chemischen mitteln. *Müllerei* 4(29):20-22. July 21,1951. 298.8 M91
Control of insects and molds.
- Also in *Mühle* 88:456-457. July 12,1951. 298.8 M89
- 77174 INSECTICIDE manufacture in Germany. *Mfg. Chem.* 22:273-275. July 1951. 396.8 M31
- 77175 JAIVENOS, M. Les causes des brûlures provoquées par les traitements antiparasitaires. *Fruit Belge* 19:73-79. May 1951. 80 F9493
Fruit injuries.
- 77176 JANCKE, O. Beiträge zur innertherapeutischen schädlingbekämpfung. III. *Z. f. Pflanzenpath. u. Pflanzenschutz* 58:179-185. May/June 1951. 464.8 Z3
- 77177 JANNONE, G. Collective antiparasitic control. (In Italian.) *Humus* 7(5):25-26. May 1951. 16 H88
Plant insect and disease control in Italy.
- 77178 JARAMILLO MADARIAGA, G. Propiedades insecticidas de la semilla del mamey. *Agr. Trop.* 6(11):29-31. Nov.1950. 26 Ag8
- 77179 JOST, W. Forstmann, schütze deinen wald vor insekten, treibe vogelschutz! *Forstl. Mitt.* 4:34,63-64. Feb.20, Apr.5,1951. 99.8 F7725
- 77180 KELSHEIMER, E. G. Stock your insecticides now, shortages of benzene and chlorine will affect production. *Fla. Grower* 59(8):16. Aug.1951. 80 F6622
- 77181 KNOWLTON, G. F., and ANDERSON, E. M. Controlling insects in vegetable gardens. *Utah. State Agr. Col. Ext. B.* 233,8 p. May 1951. 275.29 Utl
- 77182 KOSTAL, E. Relationship of insects to plant disease from the plant-protection viewpoint. (Abs.) *N. Y. Ent. Soc. J.* 59:123. June 1951. 420 N48J
- 77183 KOTTE, W. Neuzeitliche schädlingbekämpfung im hausgarten. *Landfrauenarbeit* 24:191-192. June 16, 1951. 18 L2347
Germany.
- 77184 LAMB, K. P. The assessment of mothproofing efficiency. *New Zeal. J. Sci. & Technol. B, Gen. Res. Sect.* 32(4):8-14. Ref. Jan.1951. 514 N48B
- 77185 LEBANON. SERV. DES RECHERCHES AGRICOLES. Nouvelles études sur divers insectes nuisibles aux cultures. *Beyrouth, 1951.* various paging. 423 L495
- 77186 LEGHIS, L. M. Les esters phosphoriques. *Paysan Franç.* 26(401):20. May 1951. 14 P29
Insecticides for fruit trees.

- 77187 MARDZHANIAN, G. M. A few data concerning the insecticidal characteristics of DDT and benzene hexachloride. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:243-251. 1950. 20 Er4
- 77188 MARTYN, E. J. The present position with pasture pests in Tasmania. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:141-143. May 1951. 23 T182T
- 77189 MARYLAND. INSPECTION AND REGULATORY SERV. Insecticide and fungicide issue. Md. Insp. & Regulat. Serv. Off. Rpt. 218,96 p. Apr. 1951. 276 M36Q
- 77190 MASCETTI V., G. El empleo del gamexano. Scientia 18:35-37. Ref. Mar. 1951. 475 Sci25
- 77191 MAYNÉ, R., and DONIS, C. Insectes et champignons xylophages congolais. Belgium. Min. des Colon. B. Agr. du Congo Belge 42:319-345. June 1951. 24 K83
- 77192 MELIS, A. Organizing the control of insects injurious to fruit trees. (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:349-376. 1949, pub. 1950. 93.09 C769 English summary.
- 77193 MENON, P. B., GUPTA, C. M. S., and BASU, B. C. Studies on the feeding of insecticides for the control of ectoparasites. Indian Vet. J. 27:430-437. May 1951. 41.8 In2
- Control of Menopon, Gonlocotes, and Argas persicus on poultry.
- 77194 MIEGE, J. Contribution à l'étude des parasites du cotonnier en Côte d'Ivoire. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(1):259-297. 1945, pub. 1950. 515 C762C
- Insects.
- 77195 MORRIS, R. F. The importance of insect control in a forest management program. Canad. Ent. 83: 176-181. July 1951. 421 C16
- 77196 MUACEVIC, G. Sur les insecticides nouveaux. (In Croatian.) Arh. za Kem. 22:283-286. Ref. Apr. 1951. 385 Ar32
- 77197 MÜLLER-KÖGLER, E. Schädlingsbekämpfung in mühlen unter besonderer berücksichtigung neuerer amerikanischer verfahren. Getreide u. Mehl 1:37-42. (Cont.) Ref. May 1951. 298.8 G332
- 77198 NEW INSECTICIDE is selective—it kills only bad bugs; when Isopestox [bis-isopropylaminofluorophosphine oxide] is applied to the roots of a plant, the sap stream will carry it to the feeding places of damaging insects. Chem. Engin. 58(7):164-165. July 1951. 381 EL2
- 77199 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Insect pests of tobacco. N. S. Wales. Dept. Agr. Insect Pest L. 102,4 p. 1951. 423.92 N47
- Listroderes obliquus, cutworms, Gnorimoschema operculella, G. heliopa, camel grub (Plusia spp.), and Heliothis armigera.
- 77200 NISHIO, E., and HASEGAWA, K. Effects of DDT and BHC powders. (In Japanese.) Jap. J. Plant Protect. 20:47-53. Feb. 1951. 421 J27
- 77201 NISHIYAMA, K., and NAGAEI, K. Experimental report on the new fumigates "methylbromide." (In Japanese.) Jap. J. Plant Protect. 23:29-34. May 1951. 421 J27
- 77202 OWENS, P. N. Los insecticidas: historia y desarrollo. Ofic. Sanit. Panamer. B. 31:28-38. July 1951. 449.9 P192B
- English summary.
- 77203 LES PARASITES des crucifères oléagineuses. Sol 59:250-258. 1951. 14 So4
- Insect pests.
- 77204 PARNEIX, P. Pour protéger vos cultures. Motorisation Agr. 6:247,249,251,253. Apr. 1951. 58.8 M85
- Spraying of fruit trees.
- 77205 PHILIPP, W. Kahle bäume im sommer. Bad. Landwirt. Wchnbl. 118:398. June 30, 1951. 18 B142
- Insect injuries to fruit.
- 77206 POST, R. L., MCCALLEY, R. W., and MUNRO, J. A. Insect control and yields from insecticidal plots, 1950. N. Dak. Agr. Expt. Sta. Bimon. B. 13:150-153. Mar./Apr. 1951. 100 N13B
- 77207 POTTER, C. Specific and selective action of insecticides. Westralian Farmers Co-op Gaz. 20:301,303-304. May 1951. 280.28 W522
- 77208 RANDLE, S. B. Agricultural insecticides and fungicides, 1950. N. J. Agr. Expt. Sta. Insp. Ser. 43,19 p. July 1951. 100 N46S
- 77209 RATKOVICH, M. Primera lista de insectos tucumanos utiles. Tucumán. Estac. Expt. Agr. P. Misc. 5,33 p. Sept. 1950. 102.5 T79P
- 77210 RICHARDS, D. New insecticide formula shows great promise. Calif. Dairyman 31(14):19. Aug. 11, 1951. 44.8 C12
- Combination of synthetic insecticides with pyrethrins in a formula registered under the trade name Warrior Chief.
- 77211 RISBEC, J. Etat actuel des recherches entomologiques agricoles dans la région correspondant au secteur soudanais de recherches agronomiques. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(1): 317-375. 1945, pub. 1950. 515 C762C
- 77212 ROBLES G., L. Fórmulas insecticidas, acaricidas y rodenticidas. Agronomia [Monterey] 15:5; 16: 2-4. Mar./Apr.-May/June 1951. 8 Ag828
- 77213 RODRIGUEZ, J. G., and ARMSTRONG, W. D. Kentucky spray and dust schedules for commercial fruit plantings, 1951-52. Ky. Agr. Col. Ext. C. 487,40 p. Mar. 1951. 275.29 K415
- 77214 RONEY, J. N. Cotton insect control. Ariz. Agr. Col. Ext. C. 179,7 p. Feb. 1951. 275.29 Ar42
- 77215 ROSSI, M. Pesticide treatments. (In Italian.) Molini d'Italia 2:258-259. June 1951. 298.8 M73
- English summary.
- Control of stored wheat pests.
- 77216 RUI, D. Summer spraying of fruit trees. (In Italian.) Terra e Sole 107:255-256. July 1951. 16 T273
- Insect control.
- 77217 RUIZ CASTRO, A. Ampelophages des racines et des souches de vigne, étudiés dans le vignoble espagnol. Off. Internatl. du Vin. B. 24(244):67-79. June 1951. 390.8 B87
- Phylloxera vitifoliae, Vesperus xatarti, Ceratitis capitata and Pseudococcus citri.
- 77218 RUIZ CASTRO, A. Dégâts causés au vignoble espagnol par les insectes et autres animaux. Off. Internatl. du Vin. B. 24(244):79-87. June 1951. 390.8 B87
- 77219 RUIZ CASTRO, A. La lucha contra las plagas del viñedo (su estado actual en España). Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:111-162. Ref. 1949, pub. 1950. 464.9 M26
- Insects.
- 77220 RUIZ CASTRO, A. La pyrale [Sparganothis piliferana], l'altise [Haltica lytri ampelophaga], le cigarier [Byctiscus betulae] et l'érianase [Eriophyes vitis] dans le vignoble espagnol. Off. Internatl. du Vin. B. 24(244):62-66. June 1951. 390.8 B87
- 77221 SAINT SAENZ, C. Hay que respetar los insectos. Selec. Rur. 6:101-104. Apr./June 1951. 9.9 Se4
- Beneficial insects and insects as pests.
- 77222 SALFI, M. Faunistic investigations on the Pollino massif. (In Italian.) Ricerca Sci. 21:79-84. Jan. 1951. 475 It1
- English summary.
- Includes insects.
- 77223 SEMBIANTI, R. Disinfestation of warehouses and products. (In Italian.) Seme 2:129-130. June 1950. 16 Se5
- 77224 SIMMONS, S. W. Health hazards of economic poisons and related substances. Amer. J. Trop. Med. 31: 514-518. Ref. July 1951. 448.8 Am33
- Insecticides, fungicides, rodenticides.
- 77225 SKERRETT, E. J., STRINGER, A., and WOODCOCK, D. The insecticidal action of DDT. Biochem. J. 49:xxviii-xxix. July 1951. 382 B52
- 77226 SMITH, F. F., and FULTON, R. A. Another organic insecticide [octamethyl pyrophosphoramide]. South. Florist & Nurseryman 64(17):84-87. July 20, 1951. 80 So86
- Includes application as an aerosol.
- 77227 STEINER, H. Schädlinge in haus, hof und garten. 2-3. Kosmos 47:92-94,133-135. Feb.-Mar. 1951. 474 K842
- 77228 STEINER, P. Die synthetischen kontaktinsektizide und ihre bedeutung für die schädlingsebekämpfung im zuckerrübenbau. Zucker 4:2-6. Jan. 1, 1951. 65.8 Z82
- 77229 TENHET, J. N., and BARE, C. O. Control of insects in stored and manufactured tobacco. U. S. D. A. C. 869,32 p. Ref. June 1951. 1 Ag84C
- Supersedes U. S. Dept. of Agriculture Circular 635.
- 77230 TIRELLI, M. New methods of controlling destructive insects. (In Italian.) Terra e Sole 107:265. July 1951. 16 T273
- 77231 TIRELLI, M. On the use of benzene hexachloride in the control of parasites of tobacco. (In Italian.) Tabacco 55:164-167. May 1951. 69.8 T115
- 77232 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant-quarantine import restrictions of Japan. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 470, rev., 5 p. June 8, 1951. 1.9 F73

- 77233 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant-quarantine import restrictions of the Republic of Chile. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 511, rev., 10 p. June 8, 1951. 1.9 F73
- 77234 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions on fresh fruit of selected foreign countries, by R. Faxon. Washington, 1951? 4 p. 1.967 F3P69
- 77235 U. S. INDUSTRIAL CHEMICALS. Controlling insects on the dairy farm. New York, 1950. 8 p. 423 Un35
- 77236 VANIEV, A. D. Experiment in controlling agricultural pests with an insecticide which penetrates into the tissues of plants. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(3):43-48. 1951. 20 Ak1
Use of preparation NIUIF-100 for wheat pests.
- 77237 WAGNER, E. Durch schaden wird man klug. Unser Wald 3(8):10-12. Aug. 1950. 99.8 Un7
Insect pests.
- 77238 WALLS, L. P. Trypanocides: a review. Chem. & Indus. 28:606-610. Ref. July 14, 1951. 382 M31C
Includes insects as vectors of trypanosomes.
- 77239 WEBSTER, R. L. Changes in tree fruit spray practices. West. Fruit Grower 5(8):19-20. Aug. 1951. 95.8 G762
- 77240 WEMMERT, N. New methods for controlling insects in fall rape. (In Swedish.) Lantmannen 35:597-598. Aug. 4, 1951. 11 L234
Biological control.
- 77241 WETTINGER, W. Wer schädigt feld und speicher? Bad. Landwirt. Wechnl. 118:415. July 7, 1951. 18 B142
Pests and diseases.
- 77242 WIGGLESWORTH, V. B. Insects and human affairs. Calif. Citrog. 36:439, 462, 464. Sept. 1951. 80 C125
- 77243 WILHELMI, G., and DOMENJOZ, R. Therapeutische möglichkeiten bei der parathion-vergiftung. Arch. Internatl. de Pharmodyn. et de Thé. 86:321-334. Ref. May 1, 1951. 448.8 Ar226
- 77244 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Insect control; recommendations for Wisconsin in 1951. Wis. Agr. Col. Ext. Stencil C. 287, rev., 16 p. Jan. 1951. 275.29 W75B
- 77245 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Spraying farm orchards. Wis. Agr. Col. Ext. Stencil C. 157, rev., 4 p. Mar. 1951. 275.29 W75B
- ### APICULTURE AND APIS MELLIFERA
- 77246 ADRIAN MOSTAJO, J. Conocimientos básicos para iniciarse en apicultura. Serv. Coop. Interamer. de Prod. de Aliment. Ser. Inform. Téc. 54, 8 p. May 1950. 9.8 Se6
Colony management chiefly.
- 77247 ALBER, M. A. Cubital-mathematik und asymmetrie-studien. Arch. f. Bienenk. 27:1-20. 1950. 424.8 Ar2
Study of bee wing venation.
- 77248 ALVAREZ, A. Espionaje en la colmena. Agr. Austral 19:165-166. Apr. 1951. 9.3 Ag842
- 77249 AMARAL, E. The role of bees in pollination. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:179-184. May/June 1951. 9.2 R324
Apis mellifera.
- 77250 AMOS, J. M. The effect of honey bees on the pollination of crimson clover. Amer. Bee J. 91:331-333. Aug. 1951. 424.8 Am3
- 77251 ANDERSEN, A. P. Wax melting. (In Danish.) Nord. Bitidskr. 3:46-47. 1951. 424.8 N752
Equipment.
- 77252 ARMBRUSTER, L. Berichte; von alter und neuer amerikanischer bienentechnik. Arch. f. Bienenk. 27:86-91. 1950. 424.8 Ar2
- 77253 ARMBRUSTER, L. Br. Adam Kehrle als imker und züchter. Arch. f. Bienenk. 27:62-72. 1950. 424.8 Ar2
- 77254 ARMBRUSTER, L. Grenzen der rassenzucht? Arch. f. Bienenk. 27:46-54. 1950. 424.8 Ar2
- 77255 ARMBRUSTER, L. Imkerel in der deutschen Schweiz. Arch. f. Bienenk. 27:92-94. 1950. 424.8 Ar2
- 77256 ARMBRUSTER, L. Das leidige zusetzen. Arch. f. Bienenk. 27:54-60. 1950. 424.8 Ar2
Queen introduction.
- 77257 ARMBRUSTER, L. Die nutzzüchtungsfragen brachten den umschwung. Arch. f. Bienenk. 27:76-79. 1950. 424.8 Ar2
- 77258 ARMBRUSTER, L. Über amerikanische und europäische bienenüberwinterung. Arch. f. Bienenk. 27:60-62. 1950. 424.8 Ar2
- 77259 ARMBRUSTER, L. Wie verschickt man bienen am besten. Arch. f. Bienenk. 27:79-83. 1950. 424.8 Ar2
- 77260 AURACHER, C. Novemberausflug einer königin. Sudwestdeut. Imker 3:157. June 1951. 424.8 Su25
- 77261 BÄR, F. Meine erfahrungen mit der Carnika-abiene in der 3-etager-Freudensteinbeute. Carnika-Züchterring 3:53-54. Apr. 1951. 424.8 C21
- 77262 BAUCKHAGE, F. Die mehrfelderwirtschaft. III-VI. Bienenwarte 4:78-79, 90, 102-103, 127-128. Apr. 10-May 10, June 10, 1951. 424.8 B4722
- 77263 BENAVIDES, J. Diccionario de terminología apícola. Gac. del Colmenar 12(144):11-12. (Cont.) Mar. 1951. 424.8 G11
- 77264 BERTRAM, T. Warum leistungszucht. Bienenwarte 4:92-93. (Concl.) Apr. 25, 1951. 424.8 B4722
- 77265 BERTRAM, T. Wertarbeit. Bienenwarte 4:107-108. May 10, 1951. 424.8 B4722
Breeding.
- 77266 BINDSEIL. Die bedeutung des waldes für die bienen. Hess. Biene 86:265-266. Mar. 1951. 424.8 B476
- 77267 BISCHOFF. 12 wochen tracht? Hess. Biene 86:258-259. Mar. 1951. 424.8 B476
- 77268 BISHOP, P. Wiring frames. Gleanings Bee Cult. 79:476-477. Aug. 1951. 424.8 G47
- 77269 BOHART, G. E., and KNOWLTON, G. F. Honey bees for higher yields of alfalfa seed in Utah. Utah. State Agr. Col. Ext. B. 238, 6 p.-folder. May 1951. 275.29 Ut1
- 77270 BRÖKER, W. Ein beitrag über die fütterung mit pollenersatzmitteln. Hess. Biene 86:259. Mar. 1951. 424.8 B476
- 77271 BÜDEL, A. Soll eine bienenwohnung luftdurchlässig sein? Arch. f. Bienenk. 27:29-32. 1950. 424.8 Ar2
- 77272 BUSCHICK, W. Hie biologie—dort normung. Bienenwarte 4:91-92. Apr. 25, 1951. 424.8 B4722
Honeycombs.
- 77273 CAILLAS, A. Les paquets d'abeilles. Union Synd. des Apic. Picards. B. 2:184-187. 1951. 424.9 Un3
- 77274 CARM, A. S. Beekeeper co-ops should be in large cities. Beekeepers' Mag. 14(5):7-8. May 1951. 424.8 M58
- 77275 CLEMONS, A. A. The wintering of bees. Agr. Gaz. N. S. Wales 62:259-261, 271. May 1, 1951. 23 N472
- 77276 CLIFTON, P. Life of a queen bee. Farmer & Stock-Breeder 65(3221):85. July 17, 1951. 10 F228
- 77277 COGSWELL, A. B. D.D.T. and the bee. Beekeepers' Mag. 14(5):18. May 1951. 424.8 M58
- 77278 CROCE, M. La labor de las abejas puede reducir los elevados costos de producción de la fruta. Uruguay. Inst. Nac. de Colon. B. 2(15, sup.):1-3. Apr. 1951. 282.29 Ur8
Pollination.
- 77279 DECKER, A. Das abdeckelpult. Sudwestdeut. Imker 3:164. June 1951. 424.8 Su25
- 77280 DENGGE, O. Ein beitrag zur lösung des honigtauratsels. Carnika-Züchterring 3:19-21, 37-38, 77-78. Feb.-Mar., May 1951. 424.8 C21
- 77281 DENZ, J. Imkerpraxis im Alpenvorland. Imkerfreund 6:156-157. (Cont.) May 1951. 424.8 Im43
- 77282 DREHER, K. Königinnenzucht und rassenfrage. Sudwestdeut. Imker 3:96-97. Apr. 1951. 424.8 Su25
- 77283 DREHER, K. Königinnenzucht—weshalb und wie? Hess. Biene 87:60-62. (Cont.) June 1951. 424.8 B476
- 77284 DREHER, K., and BRÖCKER, W. Versuche zur herbstfütterung der bienen. Arch. f. Bienenk. 27:21-28. Ref. 1950. 424.8 Ar2
- 77285 THE DUBLIN hive. Irish Beekeeper 5:25-30, 43. Feb. 1951. 424.8 Ir42
Includes drawings and specifications.
- 77286 DÜRMINGER, A. Mein begattungs-knirps. Carnika-Züchterring 3:56-57. Apr. 1951. 424.8 C21
- 77287 ECKERT, J. E. Beekeeping in Hawaii. Gleanings Bee Cult. 79:468-472, 509. (Cont.) Aug. 1951. 424.8 G47
- 77288 EHEMANN, W. Einfache und naturgemäße königinnenzucht. Sudwestdeut. Imker 3:126-127. May 1951. 424.8 Su25
- 77289 FAHLBECK, E. Producing and extracting honey. Gleanings Bee Cult. 79:457-459. Aug. 1951. 424.8 G47
- 77290 FELSING, E. Bienenpflege und magazin. Bienenwarte 4:115-116. May 25, 1951. 424.8 B4722
- 77291 FELSING, E. Unbegattete königinnen—milbenübertragung kaum möglich! Carnika-Züchterring 3:5-6. (Concl.) Jan. 1951. 424.8 C21

- 77292 FICHTNER, J. Die durchlenzung der bienen. Hess. Biene 86:234. Feb. 1951. 424.8 B476
- 77293 FISCHER, F. Der hauptreinigungsfug unserer bienen. Deut. Kleintier-Züchter 6(2):7. (Cont.) Jan. 20, 1951. 49 Su22
- 77294 FISCHLEIN, K. Königinnenzucht im weiselrichtigen volk. Hess. Biene 87:62-63. June 1951. 424.8 B476
- 77295 FORSTER, K. A. Arztlicherseits: über die wirkung des bienengiftes! Sudwestdeut. Imker 3:161. June 1951. 424.8 Su25
- 77296 FRANKE, W. Über die orientierung der bienen. Sudwestdeut. Imker 3:153-155. June 1951. 424.8 Su25
- 77297 FRESE, H. Die fluglochbeobachtung, ein wesentlicher faktor einer geregelten imkerei. Hess. Biene 86:234-235; 87:9-10, 67-68. Feb., Apr., June 1951. 424.8 B476
- 77298 GETTERT, L. Die frühzucht von königinnen. Hess. Biene 86:263-264. Mar. 1951. 424.8 B476
- 77299 GIESEN, J. Die biene als sinnbild der unsterblichkeit. Arch. f. Bienenk. 27:45-46. 1950. 424.8 Ar2
- 77300 GIORANI, G. Some notes on Swedish apiculture. (In Italian.) Apic. d'Italia 18:51-54. Mar. 1951. 424.8 Ap372
- 77301 GOETZE, G., ed. Monographie der Carnica-biene. Imme 2:123-186. Nov. 1950. 424.8 Im6
Includes contributions by W. Bentele, J. Bretschko, E. Leissner, A. Redl, S. Schmid, H. Peschetz, and J. Wrisnig.
- 77302 GOLZ, G. Imkernachwuchs. Hess. Biene 86:217-218. Jan. 1951. 424.8 B476
- 77303 GONTARSKI, H. Faulbrutgefahr. Hess. Biene 86:216-217. Jan. 1951. 424.8 B476
- 77304 GONTARSKI, H. Planvolle bienenzüchtung über den weg der genetischen zuchtwert-ermittlung. Sudwestdeut. Imker 3:86-89. Apr. 1951. 424.8 Su25
- 77305 GONTARSKI, H. Zwischenstaatliche milben-seuchenbesprechung in bad Dürkheim am 30. März 1951. Sudwestdeut. Imker 3:118-119. May 1951. 424.8 Su25
- 77306 GOODERHAM, C. B. Les abeilles en paquets. Abeille et l'Erable (ser. 2) 20:59. (Concl.) Apr. 1951. 424.8 Ab32
- 77307 GOODERHAM, C. B. Le rucher: aide-mémoire. Abeille et l'Erable (ser. 2) 20:77. May 1951. 424.8 Ab32
- 77308 GOSSENBERGER, A. 100 jahre bienenzucht und geflügelzucht. Deut. Kleintier-Züchter 6(1):3-4; (2):7; (3):4; (4):5. Jan. 5-Feb. 20, 1951. 49 Su22
- 77309 GYÖR, K. K. Wie wir es machen! Carnika-Züchterring 3:45. Mar. 1951. 424.8 C21
Hungary.
- 77310 HAHN, F. Welche trachten ich ausnütze. Sudwestdeut. Imker 3:129. May 1951. 424.8 Su25
- 77311 HEINIGEN, G. Schädlingsbekämpfung, chemisch oder biologisch? Sudwestdeut. Imker 3:120-121. May 1951. 424.8 Su25
Includes references to its effects on bees.
- 77312 HEINZ, P. Zusetzen auf abgesperrter wabe. Imkerfreund 6:170-171. May 1951. 424.8 Im43
- 77313 HERBOLSHEIMER, A. Kandiszucker in der königinnenzucht. Imkerfreund 6:169-170. May 1951. 424.8 Im43
- 77314 HERBOLSHEIMER, A. Meine reizfütterung im lenz bei sehr kühlem wetter. Hess. Biene 86:240-241. Feb. 1951. 424.8 B476
- 77315 HERKLOTZ, A. Die Buckfast-biene. Hess. Biene 86:269. Mar. 1951. 424.8 B476
- 77316 HEROLD, E. Die wanderbeute. Imkerfreund 6:161-164. May 1951. 424.8 Im43
- 77317 HEYL, Gedanken über die zucht unserer biene. Hess. Biene 87:58-59. June 1951. 424.8 B476
- 77318 HILDEBRAND, K. Eine schwarmlose betriebsweise. Hess. Biene 86:269-270. Mar. 1951. 424.8 B476
- 77319 HILGER, R. Arbeiten an der künstlichen besamung der bienenkönigin. Carnika-Züchterring 3:79. May 1951. 424.8 C21
- 77320 HILLIER, R. Control de las enfermedades de las abejas. Chacra 21(248):48-49. July 1951. 9 C34
- 77321 HIRSCHBUHL, A. Entwicklung- und aufzuchts-möglichkeiten im bienenvolke. Arch. f. Bienenk. 27:41-44. 1950. 424.8 Ar2
- 77322 HIRSCHBUHL, A. Sammelbienen. Arch. f. Bienenk. 27:32. 1950. 424.8 Ar2
- 77323 HOFBAUER, H. Der baurahmen. Carnika-Züchterring 3:71-73. May 1951. 424.8 C21
- 77324 HOFBAUER, H. Imker-fernlehkurs. Carnika-Züchterring 3:10-11, 52-53, 67-69. (Cont.) Jan., Apr.-May 1951. 424.8 C21
- 77325 HÖTTE. Aus dem gerichtssaal und der gesetzgebung. Hess. Biene 86:238-239. Feb. 1951. 424.8 B476
Use of economic poisons poisonous to bees.
- 77326 HUBER, T. Umlarven oder zellenstanzen. Bienenwarte 4:116-117. May 25, 1951. 424.8 B4722
- 77327 HUMMEL, A. Wolkenkratzer-beuten-system? Sudwestdeut. Imker 3:117. May 1951. 424.8 Su25
- 77328 JENSEN, G. H., ed. Fører i biavl [Guide in apiculture]. Ed. 8. Roskilde, Fører i Biavls Forlag, 1950. 234 p. 424 J452F
- 77329 KAESER, W. Königinnen-erwerb und seuchenverbreitung. Sudwestdeut. Imker 3:85. Apr. 1951. 424.8 Su25
- 77330 KASCHEL, G. Mi experiencia con abejas Carniolanas. Agr. Austral 19:119-121. Mar. 1951. 9.3 Ag842
- 77331 KERNEY, J. M. Hives. Irish Beekeeper 5:71-72. Apr. 1951. 424.8 Ir42
- 77332 KIPFMÜLLER, E. Ein zuchtverfahren kurz, einfach und erfolgreich. Sudwestdeut. Imker 3:98-100. Apr. 1951. 424.8 Su25
- 77333 KLEIN, F. Die krankheiten der bienen. Deut. Kleintier-Züchter 6(7):5. Apr. 5, 1951. 49 Su22
- 77334 KLEIS, G. Om bier, biavl og honning [On bees, apiculture and honey]. København, Bangs, 1951. 92 p. 424 K674
- 77335 KONIG, W. Einige ratschläge für jungimker. Hess. Biene 87:10-11. Apr. 1951. 424.8 B476
- 77336 KROMER, A. Obstbau und bienenzucht—eine naturgegebene gemeinschaft. Hess. Biene 87:14-15. Apr. 1951. 424.8 B476
- 77337 KUBICZEK, H. Das heilmittel bienengift. Osterr. Imker 1:118. June 1951. 424.8 Os7
- 77338 KUBICZEK, H. Tötet der verlust de stachels die biene? Osterr. Imker 1:85-86. Apr. 1951. 424.8 Os7
- 77339 KUELL, O. Achtung! Königinnen-züchter! Sudwestdeut. Imker 3:158-159. June 1951. 424.8 Su25
Colony management.
- 77340 KUKULA, J. Die Winterhagener schichten-grossraumbeute. Hess. Biene 86:221. Jan. 1951. 424.8 B476
- 77341 KURTH, R. Verbesserung der bienentränke. Carnika-Züchterring 3:57. Apr. 1951. 424.8 C21
- 77342 LANG, E. Der forstmann und seine bienen. Forstl. Mitt. 4:75-76. (Cont.) Apr. 20, 1951. 99.8 F7725
- 77343 LEINWEBER, H. Was der dickwabenimker wissen muss. Hess. Biene 87:8-9. Apr. 1951. 424.8 B476
- 77344 LEROY, R. Paniers. Union Synd. des Apic. Picards. B. 2:189-191. (Cont.) 1951. 424.9 Un3
- 77345 LEVIN, M. D., NYE, W. P., and KNOWLTON, G. K. Feeding pollen supplement and pollen substitute to honeybees. Utah. State Agr. Col. Ext. B. 237, 6 p.-folder. June 1951. 275.29 Ut1
- 77346 LIAN, A. Equipment for the extraction of heather honey. (In Norwegian.) Nord. Bitidskr. 3:58-59. 1951. 424.8 N752
- 77347 LOEWEL, E. L., and STADLMANN. Übersicht über die bienengefährlichkeit der im spritzkalender des Obstbauversuchsrings des Alten Landes e. V. genannten spritzmittel, zusammengestellt auf grund der versuche und erfahrungen der letzten jahre. Obstbauversring. Mitt. 6:51-52. Apr. 1951. 85 J76
- 77348 LORENZL, L. Kümmere dich um die tracht! Osterr. Imker 1:83-84. Apr. 1951. 424.8 Os7
- 77349 LUNDER, R., and others. Experiences of the snow winter. (In Norwegian and Swedish.) Nord. Bitidskr. 3:48-53. 1951. 424.8 N752
C. Kjellén, G. P. Cronstrand, H. Scheibler, and T. Bråten, joint authors.
- 77350 MAAGENDANS, H. G. Bees and the law. (In Dutch.) Maandschr. v. Bijenteelt 53:106-107. (Cont.) July 1951. 424.9 V58
- 77351 MACE, H. Acarine disease. Estate Mag. 51:241. June 1951. 10 Es8
Control
- 77352 MAINELLI, M. The bees and the swallows. (In Italian.) Colt. e Gior. Vinic. Ital. 97:102-103. Apr. 15, 1951. 16 C72
Swallows as predators of bees.
- 77353 MAINELLI, M. Hygiene for the apiculturist. (In Italian.) Colt. e Gior. Vinic. Ital. 97:137. May 15, 1951. 16 C72
- 77354 MANZ, D. Erfahrungen aus der 1950 zuchtarbeit. Sudwestdeut. Imker 3:94-95. Apr. 1951. 424.8 Su25
- 77355 MARCHI, R. DE. Sanitation of our apiaries. (In Italian.) Apic. d'Italia 18:83-84. Apr. 1951. 424.8 Ap372

- 77356 MARTIN, C. Les traitements contre l'acariose sont-ils efficaces? Union Synd. des Apic. Picards. B. 2: 187-189. 1951. 424.9 Un3
- 77357 MASTERMAN, J. Beginning with bees. II. Spring build up, swarm control and colony increase. So. Austral. Dept. Agr. J. 54:441-447. Apr. 1951. 23 So84
- 77358 MAUL, H. Der belegstand, ein weg zu grösserem belegstellensicherheit. Imkerfreund 6:166-167. May 1951. 424.8 Im43
- 77359 MAUL, H. Massnahmen zur steigerung der rentabilität der imkerei. Hess. Biene 86:216,238. Jan.-Feb. 1951. 424.8 B476
- 77360 MAUL, H. Pollen-gross geschrieben. Hess. Biene 87:8. Apr. 1951. 424.8 B476
- 77361 MAX, T. New device for your bee hives; it lets the bees fill the honey jars. Gleanings Bee Cult. 79:474-475. Aug. 1951. 424.8 G47
- 77362 MILOTA, F. Wozu beobachtungsstationen? Osterr. Imker 1:94-96. May 1951. 424.8 Os7
- 77363 MITTMANN, F. Gelenkte begattung junger königinnen. Sudwestdeut. Imker 3:100. Apr. 1951. 424.8 Su25
- 77364 MOHR, O. Die reinzucht und ihre mängel. Bienenwarte 4:105,117-118. May 10-25, 1951. 424.8 B4722
- 77365 MOMMERS, J. F. A. M. The significance of the bee as pollinator of cultivated crops. (In Dutch.) Tijdschr. v. Ent. 93:T9-T10. 1950, pub. Mar. 20, 1951. 421 T21
- 77366 MORIARTY, P. E. The bees in the field. Irish Beekeeper 5:79-82. Apr. 1951. 424.8 Ir42
- 77367 MÜLLER, E. Bienenstöcke in Deutschland und in Österreich. Osterr. Imker 1:80-82. Apr. 1951. 424.8 Os7
- 77368 MÜLLER, E. Entwicklungsvorgang der königinnenzucht. Osterr. Imker 1:119-120. June 1951. 424.8 Os7
- 77369 MUSSHAUSER, J. Die drei stufen zum jahresertrag. Carnika-Zücherring 3:33-35, 50-52, 65-67. Mar.-May 1951. 424.8 C21
- 77370 NAGEL, G. C. Boatmen's Bank goes all out for honey bees. Amer. Bee J. 91:324-327. Aug. 1951. 424.8 Am3
- Publicity.
- 77371 NAGEL, G. C. Man's most useful insect. Gleanings Bee Cult. 79:462-466. Aug. 1951. 424.8 G47
- Exhibit.
- 77372 NEWELL, R. E. Beekeepers can and should help themselves. Gleanings Bee Cult. 79:475,507. Aug. 1951. 424.8 G47
- 77373 NOLD, R. Linienzucht. Hess. Biene 87:59-60. June 1951. 424.8 B476
- 77374 NORGES BIRØKTERLAG. Annual report of the Society of Apiculturists of Norway. (In Norwegian.) Birøkteren 67:110-120. July 1951. 424.8 B53
- 77375 NORGES BIRØKTERLAG. Sugar for bee feed. (In Norwegian.) Birøkteren 67:123. July 1951. 424.8 B53
- 77376 ORTEGA, E. V. Miradas en el colmenar. Gac. del Colmenar 12(144):15. Mar. 1951. 424.8 G11
- 77377 PALM, E. Modern Swedish bee equipment. (In Swedish.) Nord. Bitidskr. 3:54-57. 1951. 424.8 N752
- 77378 PELLAR, R. Biene-flora-zucht. Hess. Biene 86:267-268. Mar. 1951. 424.8 B476
- 77379 PESCHETZ, A. Jeder imker sein eigener pollenfabrikant. Carnika-Zücherring 3:55. Apr. 1951. 424.8 C21
- 77380 PESCHETZ, H. Zur milbenübertragung durch königinnen. Carnika-Zücherring 3:17-18. Feb. 1951. 424.8 C21
- 77381 POTSCH, O. Rähmchenmasse. Osterr. Imker 1:84. Apr. 1951. 424.8 Os7
- 77382 PUY, E. DE. Abejas contrabandistas. Mensajero Agr. 57/58:40. Jan./Feb. 1951. 9.8 M52
- 77383 RÅMAN, C. A. Pollen substitute. (In Swedish.) Nord. Bitidskr. 3:62-64. 1951. 424.8 N752
- 77384 RAUTENBERG, H. J. Ein fall aus der praxis der rapsbestäubung. Hess. Biene 87:12-14. Apr. 1951. 424.8 B476
- Bee poisoning.
- 77385 REDL, A. Zur belegstellenfrage. Carnika-Zücherring 3:3-4. Jan. 1951. 424.8 C21
- 77386 REGENBOGEN, G. Die brombeere im bienengarten. Hess. Biene 87:16-17. Apr. 1951. 424.8 B476
- 77387 REGENBOGEN, G. Hat das imkern noch sinn? Hess. Biene 86:260-261. Mar. 1951. 424.8 B476
- 77388 REICHERT, G. La psychologie des réunions. Réveil Agr. 60:119-120. Apr. 15, 1951. 14 R322
- Apiculture.
- 77389 RENTROP, E. Das zeidelrecht der deutschen imker. I-III. Bienenwarte 4:106-107, 114, 126-127. May 10-June 10, 1951. 424.8 B4722
- 77390 RENTROP, E. Der zuckerversorgungsring. Bienenwarte 4:131-132. June 10, 1951. 424.8 B4722
- 77391 RHEINHEIMER, O. Honigraum neben oder über dem brutraum? Hess. Biene 86:222. Jan. 1951. 424.8 B476
- 77392 RHEINHEIMER, O. Verluste am bienenstand. Imkerfreund 6:171-175. May 1951. 424.8 Im43
- 77393 RICHARD, A. Pratique de l'apiculture. Paris, SFELT, 1951. 307 p. 424 R38
- 77394 ROBERTS, D. Self-clearing honey strainer. New Zeal. J. Agr. 82:335. Apr. 16, 1951. 23 N48J
- 77395 ROCK, H. J. The tale of two fall honey flows. Gleanings Bee Cult. 79:473,508. Aug. 1951. 424.8 G47
- 77396 RCMEIKS, F. Alte wege zu neuen erfolgen. Hess. Biene 86:256-257. Mar. 1951. 424.8 B476
- Colony management.
- 77397 ROTHENBUHLER, W. C., GOWEN, J. W., and PARK, O. W. A pedigree system for honey bees. Amer. Bee J. 91:340-341. Aug. 1951. 424.8 Am3
- 77398 ROWSE, A. S. Imported bees. Bee Craft 33:91. May 1951. 424.8 B3925
- Value in improving British bees.
- 77399 RUNK, L. Höselseife waldhof und sojapoll als pollenersatz. Hess. Biene 86:220. Jan. 1951. 424.8 B476
- 77400 RUTTNER, H. Tätigkeitsbericht über den sommer 1950 u. arbeitsprogramm für 1951. Biologische Station Lunz der Osterr. Akademie der Wissenschaften (Kupelwiesersche Stiftung). bienenabteilung. Osterr. Imker 1:82-83. Apr. 1951. 424.8 Os7
- 77401 SCHÄFER, E. Verbesserung der bienenweide. Hess. Biene 266-267. Mar. 1951. 424.8 B476
- 77402 SCHÄFER, K. F. Noch einmal: die beutenfrage mal anders gesehen! Bienenwarte 4:94. Apr. 25, 1951. 424.8 B4722
- 77403 SCHESTAUBER, J. Die wachsmotte; der grösste feind der bienenwirtschaft und ihre wirksamste bekämpfung. Osterr. Kleintierzüchter 11/12:969-970. (Cont.) June 1951. 49 Os7
- Galleria mellonella and Achroia grisella.
- 77404 SCHILLER, J. Grundzüge unseres heutigen wissens von honigtau und blütenhonigen. Osterr. Imker 1: 71-74. Apr. 1951. 424.8 Os7
- 77405 SCHLEINDL, E. Eine schwarmtriebfreie kultur-rasse. Imkerfreund 6:167-169. May 1951. 424.8 Im43
- 77406 SCHMIDL, E. R. Gedanken zur reinzucht. Osterr. Imker 1:76-77. Apr. 1951. 424.8 Os7
- 77407 SCHMIDT, F. A. Imkerschutz gegen bienenschädliche pflanzenschutzmittel. Hess. Biene 87:12. Apr. 1951. 424.8 B476
- 77408 SCHMIDT, F. A. Vom bienenschwarmrecht. Deut. Kleintier-Züchter 6(10):4-5. May 20, 1951. 49 Su22
- 77409 SCHMIDT, H., and KAESER, W. Wenn zwei das gleiche tun, so ist es doch nicht das gleiche! — Oder doch dasselbe, und — beides gleich falsch! Sudwestdeut. Imker 3:130-131. May 1951. 424.8 Su25
- Legal aspects of swarming.
- 77410 SCHREINER, A. Dressierte bienen. Osterr. Imker 1:117-118. June 1951. 424.8 Os7
- 77411 SCHREINER, E. J. Of forest trees and honeybees. Pa. Forests 36(346):13-15. Winter 1951. 99.8 F763
- Trees as bee pasture, and Apis mellifera as pollinators.
- 77412 SCHRÖDER, W. Besonderheiten beim schwärmen der bienen. Sudwestdeut. Imker 3:156-157. June 1951. 424.8 Su25
- 77413 SCHROEDER, H., and ARMBRUSTER, L. Geometrie der bienenzelle. Arch. f. Bienenk. 27:38-40. 1950. 424.8 Ar2
- 77414 SCHUBERT, E. Auf der suche nach einer schwarmlosen betriebsweise, die den höchsten ertrag bringt. Hess. Biene 86:215. Jan. 1951. 424.8 B476
- 77415 SCHÜTZ, K. Intensive ausnutzung der frühtracht. Hess. Biene 86:258. Mar. 1951. 424.8 B476
- 77416 SEMPLER, G. A. Some reflections on beekeeping in South Africa. 2-3. Brit. Bee J. 79:328-329, 1347-1348. Apr. 28-May 5, 1951. 424.8 B77
- 77417 SEYDEL, F. Betrachtungen über die letzten ereignisse in den vereinen. Hess. Biene 86:223. Jan. 1951. 424.8 B476
- 77418 SEYDEL, F. Erwiderung auf den aufsatz "biene, flora, zucht." Hess. Biene 87:17. Apr. 1951. 424.8 B476

- 77419 SHARMA, P. L. Bee work done in the Punjab (I) up to 1950. (Condensed.) Indian Bee J. 13:27-35. Ref. Mar./Apr. 1951. 424.8 In2
- 77420 SIEBERT, J. Die beutenfrage mal anders gesehen. Hess. Biene 86:264-265. Mar. 1951. 424.8 B476
- 77421 SNELGROVE, L. E. Queens. Scot. Beekeeper 27:103. May 1951. 424.8 Sco8
- 77422 SROKA, K. Das bienengift als heilmittel. Carnika-Zücherring 3:8. Jan. 1951. 424.8 C21
- 77423 STEHLE. Milbenseuche. Sudwestdeut. Imker 3:117. (Concl.) May 1951. 424.8 Su25
- 77424 STORCH, H. Ernstes und heiteres mit nützlichem verbunden. Hess. Biene 86:218-220, 242-243. Jan.-Feb. 1951. 424.8 B476
- Apiculture.
- 77425 STORCH, H. Wird es gelingen, die milbe von Hessen fernzuhalten? Hess. Biene 86:259-260. Mar. 1951. 424.8 B476
- 77426 SUMPF, K. C. Goldener staub. Bienenwarte 4:97. Apr. 25, 1951. 424.8 B4722
- 77427 SUMPF, K. C. Neues vom hohlen baumstamm. Bienenwarte 4:130-131. June 10, 1951. 424.8 B4722
- 77428 TALLARICO, G. The Latin bee. (In Italian.) Terra e Sole 107:261-262. July 1951. 16 T273
- 77429 TELTSCHER, W. Das entdeckeln der honigwaben. Carnika-Zücherring 3:74. May 1951. 424.8 C21
- 77430 TELTSCHER, W. Der neue weg. Carnika-Zücherring 3:70-71. May 1951. 424.8 C21
- Colony management.
- 77431 TELTSCHER, W. Warum höhere honigerträge in der mehrvolkbetriebsweise? Carnika-Zücherring 3:58-59. Apr. 1951. 424.8 C21
- 77432 THOMSON, A. V. How to raise good queens. Gleanings Bee Cult. 79:467. Aug. 1951. 424.8 G47
- 77433 VALENCIANO, J. Nuevos estudios sobre el tratamiento de la acariosis de las abejas. Balearic Isl. Diputación Prov. B. de Agr. 75:16-17. Dec. 1950. 15 B19
- 77434 VANSSELL, G. H. Use of honeybees in alfalfa seed production. U. S. D. A. C. 876, 11 p. June 1951. 1 Ag84C
- 77435 VAN TOL FILHO, P. L. Ants follow and attack bees. (In Portuguese.) Seleç. Agr. 6(62):35-36. June 1951. 9.2 Se4
- 77436 VELDZICHT, J. V. From the past. Queen rearing. XII. (In Dutch.) Maandschr. v. Bijenteelt 53:102. July 1951. 424.9 V58
- 77437 VERRUN, J. Die schliessrahmenbeute und ihre beurteilung. Hess. Biene 87:63-64. June 1951. 424.8 B476
- 77438 VERRUN, J. Stellungnahme zur Winterhagener schichtenbeute. Hess. Biene 86:221. Jan. 1951. 424.8 B476
- 77439 WERBA, H. Acarmors—ein milbenbekämpfungsmittel auf neuer basis. Carnika-Zücherring 3:6-7. (Concl.) Jan. 1951. 424.8 C21
- 77440 WIESMANN, R. Über einen biologischen test zum nachweis und zur bestimmung von synthetischen kontaktinsektiziden bei bienenvergiftungen. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 58:161-171. May/June 1951. 464.8 Z3
- 77441 WILDE, J. DE. Bees and insecticides. (In Dutch.) Tijdschr. v. Ent. 93:T10-T16. 1950, pub. Mar. 20, 1951. 421 T21
- 77442 WOHLGEMUTH. Königinnen im heidegebiet. Sudwestdeut. Imker 3:128-129. May 1951. 424.8 Su25
- 77443 WORTH, A. Pollination of fruit and seed crops. Irish Beekeeper 5:34. (Cont.) Feb. 1951. 424.8 Ir42
- 77444 WRISNIG, J. Rückblick und vergleich. Carnika-Zücherring 3:1-3. Jan. 1951. 424.8 C21
- Queen rearing.
- 77445 WULFRATH, A., and SPECK, J. J. De la colmena antigua al lucrativo negocio de la colmena moderna. Tierra [México] 6:308-311, 442-444. May, July 1951. 8 T445
- 77446 ZEITLER, H. Gesarol oder bienen. Carnika-Zücherring 3:60-61. Apr. 1951. 424.8 C21
- 77447 ZIESER, R., SCHRODER, W., and ARMBRUSTER, L. Teils kästen, teils körbe. Arch. f. Bienenk. 27:33-37. 1950. 424.8 Ar2
- 77448 ZIKOWSKY, F. Aus der praxis für die praxis. Österr. Imker 1:112-113. (Cont.) June 1951. 424.8 Os7
- Equipment.
- 77449 ZIKOWSKY, F. Interessantes aus dem anpassungsvermögen der biene. Österr. Kleintierzüchter 11/12:970-971. (Concl.) June 1951. 49 Os7
- 77450 ZIUSSTAG, H. Ein beitrage zu einer sehr schmerzhaften angelegenheit. Sudwestdeut. Imker 3:160. June 1951. 424.8 Su25
- Effects of bee stings.

ARACHNIDA, MYRIAPODA, ETC.

- 77451 ANDRE, M. Deux nouvelles espèces de Thrombicula [i.e. Trombicula] d'Afrique Equatoriale. Soc. de Path. Exot. B. 44:215-221. 1951. 448.9 So13
- 77452 ANDRE, M. Une nouvelle forme larvaire de Thrombicula [i.e. Trombicula] d'Afrique Equatoriale. Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22:577-581. Oct. 1950. 410.9 P213
- 77453 ANDRE, M. Un Thrombidion peu connu et nouveau pour la faune française: Echinothrombium rhodinum (C. L. Koch). Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22:573-576. Oct. 1950. 410.9 P213
- 77454 BERLAND, L., and LAMOTTE, M. Gregarisme familial chez un Myriapode ouest-africain. Notes Africaines 49:23-24. Jan. 1951. 475 N84
- Polydesmidae.
- 77455 BLANC, G., CHABAUD, A. G., and BRUNEAU, J. Sur les différentes variétés de l'Ornithodoros erraticus. I. Note préliminaire: étude de la souche "Bab er Rhob." Ann. de Parasitol. Humaine et Compar. 26:361-365. 1951. 436.8 An7
- 77456 BOCKEMÜHL, E. 999 mal klick und 1 mal klack. Unser Wald 3(10):17. Oct. 1950. 99.8 Un7
- Diplopods.
- 77457 BUZZARD, C. N., and YUNGE BATEMAN, J. Cause for irritation. Country Life [London] 110:188-189. July 20, 1951. 80 C83
- Trombicula autumnalis.
- 77458 CHICKERING, A. M. Operation Arachne. Turtlox News 29:94-97. Ref. May 1951. 442.8 T86
- Panama.
- 77459 COLLINS, D. L., and NARDY, R. V. The development and application of spray procedures for controlling the tick Dermacentor variabilis Say. N. Y. State Mus. C. 26, 37 p. Feb. 1951. 500 N48C
- 77460 COOREMAN, J. Dermacentor reticulatus (F.) et Dermacentor niveus (Neuman). Soc. Ent. de Belg. B. et Ann. 86:200-201. Nov. 4, 1950. 420 B41
- 77461 COOREMAN, J. Sur une nouvelle capture d'un opilion cyphophthalme, Siro duricorius duricorius (Joseph). Soc. Ent. de Belg. B. et Ann. 86:201-202. Nov. 4, 1950. 420 B41
- 77462 CRANE, J. Observations on the jumping spiders. (Abs.) N. Y. Ent. Soc. J. 59:118-119. June 1951. 420 N48J
- Venezuelan Salticidae.
- 77463 DINTHER, J. B. M. VAN. Eriophyes gracilis Nal. and yellow leaf spots on raspberry. (In Dutch.) Tijdschr. over Plantenziekten 57:81-94. May/June 1951. 464.8 T44
- English summary.
- 77464 EDNEY, E. B. The evaporation of water from woodlice and the millipede Glomeris [marginata]. J. Expt. Biol. 28:91-115. Ref. Mar. 1951. 442.8 B77
- 77465 FLESCNER, C. A., and BADGLEY, M. E. Natural control of the citrus rust mite [Phyllocoptura oleivora]. Calif. Citrog. 36:396. Aug. 1951. 80 C125
- 77466 GARNET, J. R. Notes on the red-back spider (Latrodectus hasseltii). Victorian Nat. 68:17-18. May 1951. 410 V66
- 77467 HAHMANN, K., and MÜLLER, H. W. K. Zum auftreten und zur bekämpfung der erdbeermilbe [Tarsonemus pallidus]. Nachrbl. des Deut. Pflanzenschutzdienstes 3:33-37. Ref. Mar. 1951. 442.9 B832
- 77468 HELGEBOSTAD, A. Treatment of ear mange—ear mites [Otodectes cynotis] in foxes. (In Norwegian.) Norsk Pelsdyrb. 25:299-300. June 20, 1951. 412.628 N812
- 77469 HOFF, C. C. Pseudoescorpionidos nuevos o poco conocidos de la Argentina (Arachnida, Pseudoescorpionida). Arthropoda 1:225-237. Oct. 16, 1950. 421 Ar7
- English summary.
- New species in Austrochthonius, Dinoronus, and Serianus.
- 77470 HOFFMANN, A. Contribuciones al conocimiento de los trombiculidos Mexicanos. 4. Ciencia 11:97-103. Ref. June 1, 1951. 475 C48
- English summary.
- New species in Ascoschönastia.
- 77471 HOLLEY, W. D. K-6451 for resistant mites. Colo. State Flower Growers Assoc. B. 19:1-3. May 1951. 81 C715

- 77472 HOLLISTER, J. M. Spiders. Fla. Nat. 24:38-40. Apr.1951. 413.9 F66F
- 77473 JEEKEL, C. A. W. The genus *Tectoporus* Carl (Diplopoda, Polydesmoidea, Strongylosomidae). Ent. Ber. 13:266-271,281-285. May 1, June 1, 1951. 420 N38B
- 77474 JEEKEL, C. A. W. A new pill-milliped from the Malayan Peninsula (Diplopoda, Sphaerotheriidae). Tijdschr. v. Ent. 93:101-107. 1950, pub. Mar. 20, 1951. 421 T21
- Sphaeropaeus globosus-magicus*.
- 77475 LAWRENCE, R. F. New parasitic mites from South African lizards. Transvaal Mus. Ann. 21:447-459. July 6, 1951. 515 T68
- New species in *Pterygosoma*, *Geckobia*, *Eutrombicula*, and *Ascoschongastia*.
- 77476 LIPOVSKY, L. J. A new genus of Walchiinae [*Pseudoschongastia*] (Acarina, Trombiculidae). Kans. Ent. Soc. J. 24:95-102. July 1951. 420 K13
- 77477 MARETIC, Z. Beobachtungen über pathologie und klinik des latrodektismus in Istrien (1948-1950). Acta Trop. 8:136-144. Ref. 1951. 475 Ac8
- Study of spider bites (chiefly due to *Latrodectus tredecimguttatus*).
- 77478 MEINERTZ, T. The distribution of the terrestrial isopods in Denmark and some remarks on their distribution in the neighbouring countries. Dansk. Nat-hist. For. Vidensk. Meddel. 112:165-223. Ref. 1950. 502 D232
- 77479 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Grape vine mites. N. S. Wales. Dept. Agr. Insect Pest L. 101,3 p. 1950. 423.92 N47
- Eriophyes vitis*, *Tenuipalpus californicus*, and *Calepitrimerus vitis*.
- 77480 NIKULINA, N. K. New means for the control of spider mite [*Tetranychus althaeae*] on cucumbers. (In Russian.) Sad i Ogorod 2:72. Feb.1951. 80 Sa13
- NIUIF-100 preparation.
- 77481 NORRIS, K. R. The aestivating eggs of the red-legged earth mite, *Halotydeus destructor* (Tucker). Austral. Commonwealth Sci. & Indus. Res. Organ. B. 253, 26 p. Ref. 1950. 514 Au72B
- 77482 POMERANTZ, C. Mites, mice and men. (Abs.) N. Y. Ent. Soc. J. 59:126. June 1951. 420 N48J
- Report on rickettsialpox.
- 77483 RADFORD, C. D. A revision of the fur mites Myobiidae (Acarina). Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)22:582-586. (Cont.) Oct.1950. 410.9 P213
- Radfordia* spp.
- 77484 ROESLER, R. Zur bekämpfung der erdbeermilbe [*Tarsonemus pallidus* Banks]. Nachrbl. des Deut. Pflanzenschutzdienstes 3:37. Mar.1951. 442.9 B832
- 77485 SÁIZ MORENO, L. Luchas antiparasitarias en ganadería; papel de los modernos insecticidas en la lucha contra las parasitosis por artrópodos. I. Veterinaria 15: 451-463. June 1951. 41.8 V6429
- Chiefly on ticks.
- 77486 SCHENKEL, E. Spinnentiere aus dem westlichen Nordamerika, gesammelt von Dr. Hans Schenkel-Rudin. Natforsch. Gesell. Verhandl. 61:28-92. Nov.15, 1950. 508 B29
- Includes new species in: *Promyrmekiaphila* n.g., *Brachythele*, *Argennina*, *Drassyllus*, *Poecilochroa*, *Sergiolus*, *Psilochorus*, *Tharion*, *Erigone*, *Centromeroides* n.g., *Leptyphantus*, *Arenidus*, *Eusparassus*, *Phrurolithus*, *Phrurotimpus*, *Gayenna*, *Agelenopsis*, *Cybaeus*, and *Neoantistea*.
- 77487 STOJAŁOWSKA, W. Krocionogi okolic Lublina na tle fauny krocionogów Polski. The Myriapoda of surroundings of Lublin on the background of Myriapoda fauna of Poland. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. C 5,217-244. Ref. Oct.28,1950. 512 L96Ac
- English summary.
- Chiefly diplopods.
- 77488 THOMAS, M. L'instinct chez les araignées; observations sur *Argiope bruennichi* Scopoli. Soc. Ent. de Belg. B. et Ann. 86:218-222. Nov.4,1950. 420 B41
- 77489 VACHON, M. Les glandes des chélicères des Pseudoscorpions (Arachnides). Acad. des Sci. Compt. Rend. 233:205-206. July 9,1951. 505 P21
- 77490 ALFARO, A. Comparacion de insecticidas contra el escarabajo de la patata [*Leptinotarsa decemlineata*]. Spain. Estac. de Fitopatol. Agr. B.de Patol. Veg. y Ent. Agr. 17:19-26. 1949, pub.1950. 464.9 M26
- 77491 BALFOUR-BROWNE, F. The aquatic Coleoptera of Wood Walton fen, with some comparisons with Wicken fen and some other East Anglian fens. Soc. Brit. Ent. Trans. 10:233-268. Ref. Jan.26,1951. 420 So15
- 77492 BALFOUR-BROWNE, J. On the aquatic Coleoptera of northern Rhodesia (Dytiscidae, Gyrinidae and Palpicornia). South. Rhodesia. Natl. Mus. Occas. Papers 2:359-399. Oct.31,1950. 515 R342
- Includes new species in: *Copelatus*, *Cybister*, *Coelostoma*, *Sphaeridium*, *Cercyon*, and *Helochares*.
- 77493 BARBER, H. S. Another name for the furniture carpet beetle. *Coleopterists' B.* 5:44-45. June 1951. 421 C674
- Anthrenus vorax* Waterhouse (not Casey) is synonym of *A. flavipes* LeConte.
- 77494 BARNES, D. F., PILGRIM, A. J., and WHEELER, G. B. Irrigation and dried fruit beetles. Calif. Fig Inst. Proc. Annu. Res. Conf. 5:39-41. Mar.16, 1951. 93.44 C122P
- 77495 BASILEWSKY, P. Descriptions de Coléoptères Carabidae nouveaux d'Afrique et notes diverses sur des espèces déjà connues. VI. 37-39. Soc. Ent. de France. B. 55:78-80. 1950. 420 F84B
- 37, *Megacephala regalis* Bohem. (Cicindelinae) au Congo Belge; 38, Nomenclature des Anthiinae; 39, *Axinidium africanum*.
- 77496 BASILEWSKY, P. Descriptions préliminaires des Carabidae nouveaux recueillis par le Dr. A. Monard au Cameroun. Rev. Suisse de Zool. 58:383-386. Feb. 1951. 410 R324
- New species and forms in *Rhysotrachelus*, *Sphaerodes*, and *Craspedophorus*.
- 77497 BAYNE, A., and CHRYSAL, R. N. The clay weevil (*Otiorrhynchus picipes* F.), an occasional pest of young coniferous plantations. Q. J. Forestry 45:169-171. July 1951. 99.8 Q2
- 77498 BERAN, F. Die bekämpfungsaktionen 1951 gegen maikäfer und englerlinge. Pflanzenschutz 4(spec. no. 2):1. Apr.1951. 464.9 P482
- Melolontha melolontha*.
- 77499 BEREZINA, V. M. On the control of May beetles in forestry. (In Russian.) Lesn. Khoz. 4(2):60-64. Feb.1951. 99.8 L5622
- 77500 BERTRAND, H. Captures et élevages de larves de Coléoptères aquatiques. 13. Soc. Ent. de France. B. 56:75-80. Ref. 1951. 420 F84B
- 77501 BLAKE, D. H. Hunting for Fabrician types. *Coleopterists' B.* 5:39-41. June 1951. 421 C674
- Chrysomelidae.
- 77502 BÖHM, O. Zur kenntnis des roten weidenblattkäfers *Melasma saliceti* Wse. (Col., Chrys.). Pflanzen-schutzberichte 6:77-87. Ref. Mar.1951. 464.9 P48
- English summary.
- 77503 BONGIOVANNI, G. C. Potato doryphore [*Leptinotarsa decemlineata*]. 2. (In Italian.) Agr. Ferrarese 54:258-263. Dec.31,1950. 16 Ag87
- 77504 BREUNING, S. Nouveaux lamiaires du Musée d'Amsterdam (Col., Ceramb.). Tijdschr. v. Ent. 93:134-140. 1950, pub. Mar. 20, 1951. 421 T21
- New species in *Anapausa*, *Prosopius*, *Paradyemus* n.g., *Ebaeides*, *Sybra*, *Mimosybra*, *Cristepilysta* n.g., *Mimozotale* n.g., *Phlyarus*, *Menesida*, *Obereopsis*, and *Oberea*.
- 77505 BREUNING, S. Nouvelles formes de lamiaires du Congo Belge (Cerambycidae). Mus. du Congo Belge. Ann. Sci. Zool. 4,46 p. 1950. 515 M97A
- New species and forms in *Nupserha*, *Gleneonupserha*, *Pseudonupserha*, *Nupseroberea* n.g., *Mystronemis*, *Dyenmonus*, *Blepisanis*, *Nitocris*, *Dirphya*, *Neonitocris* n.g., *Vespinitocris*, *Gracilinitocris* n.g., *Paranitocris* n.g., *Obereopsis*, *Oberea*, *Pseudophytoecia* n.g., and *Phytoecia*.
- 77506 CARUEL, M. Ergates faber L. en Champagne. Entomologiste 7:38-39. Jan./Feb.1951. 421 En814
- 77507 CHABOUSSOU, F. La lutte contre les taupins [*Agriotes lineatus*] et les vers gris [*Euxoa segetum*] nuisibles au maïs. Sol 63:87-88. 1951. 14 So4
- 77508 CORY, E. N., and LANGFORD, G. S. Control the Japanese beetle [*Popillia japonica*]. Md. Agr. Col. Ext. Fact Sheet 30,2 p. May 1951. 275.29 M36Fa
- 77509 COVAS, L. Un ravageur occasionnel des jeunes vignobles: *Brachypera circumvaga*. Rev. Agr. de l'Afrique du Nord 49:489-490. June 29,1951. 80 R326
- 77510 CREVECOEUR, A. Sur deux Braconides parasites de *Rhynchaenus* (Orchestes) fagi L. (Col. Curcul.). Soc. Ent. de Belg. B. et Ann. 86:230-232. Dec.28,1950. 420 B41
- Triaspis pallidipes* and *Colastes braconius*.
- 77511 CUILLE, J. Récentes améliorations des procédés de lutte utilisables contre le charançon du bananier (*Cosmopolites sordidus* Germ.). Fruits 6:280-284. July 1951. 80 F9492

COLEOPTERA

- 77512 DAVATCHI, A. Les Coléoptères trouvés dans le blé d'origine américaine. (In Persian.) Iran. Dept. des Rech. Agron. Lab. Ent. et Phytopath. Appl. 10:1-10. Oct.1950. 464.9 P432
French summary, p.1-2.
- 77513 DORSSELAER, R. VAN. Carabus monilis F. ab. kelleri Hub., nouvelle pour la faune belge. Soc. Ent. de Belg. B. et Ann. 86:229. Dec.28,1950. 420 B41
- 77514 DURINOV, S. A. Cockchafers [Melolontha] in Transbaikal. (In Russian.) Lesn. Khoz. 4(3):84. Mar. 1951. 99.8 L5622
Pests of forest nurseries chiefly.
- 77515 EDWARDS, G. R. Insect pests of vegetable crops; VI. Insect pests of pumpkins, melons, and related crops. So. Austral. Dept. Agr. J. 54:448-450. Apr.1951. 23 So84
Ceratia hilaris, Nezara viridula, and Tetranychus urticae.
- 77516 EDWARDS, J. G. Coleoptera or beetles east of the Great Plains (Applying particularly to western United States) A bibliographical supplement. San Jose? Calif., 1950. p.184-212. 427 Ed92
- 77517 EDWARDS, J. G. Cupesid beetles [Priacma serrata] attracted to soap in Montana. Coleopterists' B. 5:42-43. June 1951. 421 C674
- 77518 ENGEL. Wie bekämpfen wir den kartoffelkäfer [Leptinotarsa decemlineata] 1951? Bauern Ztg. 4(22):4. June 1,1951. 18 B324
- 77519 EYNDHOVEN, G. L. VAN. The first fossile coleopteron from Indonesia. (In Dutch.) Tijdschr. v. Ent. 93:lviii-lix. 1950, pub. Mar.20,1951. 421 T21
Text also in English.
Photographs submitted by D. Mac Gillavry.
- 77520 EYNDHOVEN, G. L. VAN. Observations on Scarabaeus semipunctatus (Col.) and Mantis religiosa (Orth.). (In Dutch.) Tijdschr. v. Ent. 93:xxii-xxiv. 1950, pub. Mar.20,1951. 421 T21
- 77521 FABER, W. Erfahrungen über maikäfergross-bekämpfungsaktionen. Pflanzenarzt 4(spec.no.2):3-4. Apr.1951. 464.9 P482
Melolontha melolontha.
- 77522 FABER, W. Der heutige stand der engerlings-bekämpfung. Pflanzenarzt 4(spec.no.2):5. Apr.1951. 464.9 P482
Melolontha melolontha.
- 77523 FABER, W. Die maikäferflugjahre in Österreich. Pflanzenarzt 4(spec.no.2):1-2. Apr.1951. 464.9 P482
Melolontha melolontha.
- 77524 FABER, W. Über die lebensweise und entwicklung des maikäfers. Pflanzenarzt 4(spec.no.2):2-3. Apr. 1951. 464.9 P482
Melolontha melolontha.
- 77525 FABER, W. Vogelschutz oder pflanzenschutz gegen den kartoffelkäfer [Leptinotarsa decemlineata]? Pflanzenarzt 4(4):1-2. Apr.1,1951. 464.9 P482
- 77526 FABER, W. Wie erkennen wir de engerlinge schädlicher blattthornkäferarten. Pflanzenarzt 4(spec. no.2):6-7. Apr.1951. 464.9 P482
- 77527 FLEMING, W. E., and MAINES, W. W. Experiments with toxaphene against the Japanese beetle [Popillia japonica]. U. S. Bur. Ent. & Plant Quar. E-821,9 p. July 1951. 1.9 En83
- 77528 FRAPPA, C. Sur la présence de Gonipterus scutellatus Gyll. dans les peuplements d'Eucalyptus de Madagascar et l'acclimatement d'Anaphoidea nitens Gir., insecte auxiliaire parasite. Rev. de Path. Vég. et d'Ent. Agr. de France 29:183-189. Dec.1950. 464.9 So1
- 77529 FROESCHNER, R. C. Observations of predators of European corn borer [Pyrausta nubilalis] eggs. Iowa Acad. Sci. Proc. 57:445-448. 1950. 500 Io93
- 77530 FUJII. Commentary on the notices of imported timber protection. (In Japanese.) Jap. J. Plant Protect. 19:13-21. Jan.1951. 421 J27
Chiefly Xyleborus, Stenoplatypus, and Platypus.
- 77531 GAIRAUD, R., and BESSON, J. Tests toxicologiques effectués sur jeunes larves de Capnodis tenebrionis L. à El-Affroun (Algérie) en 1949. Rev. de Path. Vég. et d'Ent. Agr. de France 29:236-243. Ref. Dec.1950. 464.9 So1
- 77532 GOFFE, E. R. Staphylinus parumtomentosus Stein (Coleoptera, Staphylinidae) in South Hants. Soc. Brit. Ent. J. 3:242. Jan.12,1951. 420 En85J
- 77533 GRECHKA, M. I. Use of DDT and benzene hexachloride in the control of field crop pests. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok. 12:195-199. 1950. 20 M875
Dusting of Aphytona euphorbiae and Sitona.
- 77534 GUENIN, H. A. La formule chromosomiale de Coléoptères Ténébrionidés nord-africains. I. Piméliinés et Tentyriinés. Soc. Vaud. des Sci. Nat. B. 65(278):7-18. 1951. 508 L37
- 77535 GUENIN, H. A., and SCHERLER, M. La formule chromosomiale du doryphore Leptinotarsa decemlineata Stal. Rev. Suisse de Zool. 58:359-370. Feb.1951. 410 R324
- 77536 GUTIÉRREZ ALONSO, R. Notas sobre Scarabaeidae neotropicos II (Coleopt. Lamellic.). Soc. Cient. Argentina. An. 151:105-125. Mar.1951. 516 So1
Includes new species in Eremophygus, Oogenius, Thyriochlorota, Heterocallichloris n.g., Callichloris, and Eunanus; also the new subgenera Oogenius (Microoogenius) and Callichloris (Epicallichloris).
- 77537 HÄFLIGER, E. Beitrag zur frage der maikäfer-bekämpfung. Z. f. Pflanzenkrankh. (Pflanzenpath.) u. Pflanzenschutz 58:171-178. May/June 1951. 464.8 Z3
Melolontha melolontha.
- 77538 HAGET, A. Quelques précisions sur le phénomène d'induction dans la morphogenèse de l'intestin moyen chez l'embryon de Leptinotarsa (Insecte. Col.). Acad. des Sci. Compt. Rend. 232:2480-2482. June 25, 1951. 505 P21
- 77539 HAUBOLD, V. L. Distribution of the Carabidae (Coleoptera) of Boulder County, Colorado. Amer. Midland Nat. 45:683-710. Ref. May 1951. 410 M58
- 77540 HENISCH, G. Hühnerfeldzug gegen kartoffelkäfer und andere schädlinge. Geflügelhof 14:397-398. June 15,1951. 47.8 G276
- 77541 HERVE, P. A propos de captures de Ceruchus chrysomelinus Hoch. dans les alpes-maritimes; conditions éthologiques, climatiques et forestières. Entomologiste 7:30-35. Jan./Feb.1951. 421 En814
- 77542 HINCKS, W. D. A parasite [Tetrastichus rhosaces] of the larvae of Cassida rubiginosa Muell. (Col. Chrysomelidae). Soc. Brit. Ent. J. 3:249. Jan.12,1951. 420 En85J
- 77543 IABLOKOFF, A. K. Note sur l'écologie d'Aphodius cervorum Fairm. Entomologiste 7:5-15. Jan./Feb.1951. 421 En814
- 77544 JACQUIOT, C. L'Hylotrupes bajulus L. Inst. Natl. du Bois. Étude Tech. 5,6 p. Oct.1950. 99.9 P21E
- 77545 JACQUIOT, C. Des relations entre les attaques d'Agrilus biguttatus Fab. et certains cas de dépérissement des chênes. Rev. de Path. Vég. et d'Ent. Agr. de France 29:171-182. Dec.1950. 464.9 So1
- 77546 JARRIGE, J. Philonthus circaméditerranéens nouveaux ou mal connus (Col. Staphylinidae). Soc. Ent. de France. B. 56:6-10. 1951. 420 F84B
- 77547 JOLIVET, P. Un accouplement interspécifique chez deux Chrysolina. Soc. Ent. de Belg. B. et Ann. 86:200. Nov.4,1950. 420 B41
- 77548 JOLIVET, P. Quelques points de nomenclature restés longtemps litigieux chez les Chrysomélides. Entomologiste 7:36-37. Ref. Jan./Feb.1951. 421 En814
1, Chrysolina-Chrysomela; 2, Leptinotarsa-Chrysomela; 3, Gastrophysa-Gastroidea.
- 77549 KAHN, M. Q. A contribution to a further knowledge of the structure and biology of the weevils Sitophilus oryzae (Linn.) and S. granarius (Linn.) with special reference to the effects of temperature and humidity on the rate of their development. Indian J. Ent. 11:143-201. Ref. Dec.1949, pub. Feb.1951. 420 In23
- 77550 KAJIHIRO, E. S., and MILLSPAUGH, D. D. A preliminary list of the Buprestidae (Coleoptera) known to occur in Iowa. Iowa Acad. Sci. Proc. 57:541-543. 1950. 500 Io93
- 77551 KASAB, Z. Neue Meloiden (Coleoptera) aus Südafrika. Transvaal Mus. Ann. 21:429-437. July 6,1951. 515 T68
New species in Sitaris, Nemognatha, Zonitopsis, Paracatenodia, and Ceroctis.
- 77552 KNOWLTON, G. F. Mexican bean beetle [Epilachna varivestis]. Utah. State Agr. Col. Ext. B. 222, 2 p. June 1951. 275.29 U11
- 77553 KNOWLTON, G. F. Wireworm control. Utah. State Agr. Col. Ext. B. 232,2 p. June 1951. 275.29 U11
- 77554 KOCH, C. The Tenebrionidae of southern Africa. II. Contribution to the knowledge of the Epitragini-genus Himatismus. Mus. du Congo Belge. Ann. Sci. Zool. 3,44 p. Ref. 1950. 515 M97A
- 77555 KOCH, C. The Tenebrionidae of southern Africa. VII. Preliminary notes on the South African Adesmiini. Transvaal Mus. Ann. 21:385-417. Ref. July 6,1951. 515 T68
New species and forms in Physosterna, Onymacris, Stenocara, Ceradesmia, Metriopus, Alogenius, and Epiphysa.

- 77556 KUSCHEL, G. Nuevos Brachyderinae y Magdalinae chilenos (Coleoptera Curculionidae) (aporte 5). *Arthropoda* 1:181-195. Oct.16,1950. 421 Ar7
English summary.
New species in *Polydrusus*, *Micromagdalis* n.g., *Neomagdalis*, and *Allomagdalis* n.g.
- 77557 LANE, F. Neotropical Cerambycidae. I. On some species of Torneutinae (Col. Cerambycidae). (In Portuguese.) São Paulo Dept. de Zool. Papéis Avulsos 9: 33-46. Ref. 1950. 410.9 Sa63
English summary.
New species in *Praxithea* and *Coccoderus*.
- 77558 LANGENBUCH, R. Fütterungsversuche an jungamseln mit vollkerfen und larven des kartoffelkäfers [Leptinotarsa decemlineata]. *Nachrbl. des Deut. Pflanzenschutzdienstes* 2:177-180. Ref. Dec.1950. 442.9 B832
- 77559 LEIB, E. Beitrag zur "überwinterung des kartoffelkäfers (Leptinotarsa decemlineata Say) und sein erscheinen im frühjahr in seinen beziehungen zu meteorologischen faktoren." *Nachrbl. des Deut. Pflanzenschutzdienstes* 3:42-44. Mar.1951. 442.9 B832
- 77560 LEIB, E. Pflanzenschutz und landwirtschaftliche praxis weitere erfahrungen bei englerlingsbekämpfung durch bodenbehandlung. *Gesunde Pflanzen* 3:55-58. Mar.1951. 464.8 G33
Melolontha melolontha.
- 77561 LENE. La lutte antidoryphorique dans le Nord en 1951. *Pomme de Terre Franç.* 14(140):15-16. May 1951. 75.8 P77
Leptinotarsa decemlineata.
- 77562 LOUWERENS, C. J. New Carabidae from the Malay Archipelago (2nd communication on oriental Carabidae). *Treubia* 21:117-132. Apr.25,1951. 410 T72
New species in *Perigona*, *Hyphaereon*, *Oxycentropsis*, *Trichotichnus*, *Arhytinus*, *Chlaenius*, *Oodes*, *Simous*, *Holcoderus*, *Catascopus*, and *Dolichoctis*.
- 77563 MALLAMAIRE, A. Note sur un coléoptère [Trichispa sericea?] parasite des riz cultivés dans le Macina (Soudan Français) (Trichispa sp., Hispidae). *Conf. Internat. des Africanistes de l'Ouest. Compt. Rend.* 1(1):250-251. 1945, pub.1950. 515 C762C
- 77564 MALMUS, N. Der schädlingseffall im altnühltal im vergleich zu anderen lagen unter besonderer berücksichtigung der malkäferengerlinge [Melolontha]. *Landwirt. Jahrb. f. Bayern* 28(3/4):103-114. Mar./Apr. 1951. 18 L24
- 77565 MANVILLI, V. New arms for crop protection. (In Italian.) *Piacenza Agr.* 6(18/19):6. Oct.1,1950. 281.8 P57
Insecticides for control of Elateridae.
- 77566 MARSHALL, G. A. K. New Curculionidae (Col.) from French West Africa. *Inst. Franç. d'Afrique Noire. B.* 13:319-325. Apr.1951. 515 D14
New species in *Scolochirus*, *Rhadinocopes*, *Ascopus* n.g., and *Cylliphorus*.
- 77567 MINER, F. D. Green June beetle [Cotinis nitida] damage to fall pasture. *Kans. Ent. Soc. J.* 24:122-123. July 1951. 420 K13
- 77568 MIRZAYAN, H. Quelques Cerambycides de l'Iran. (In Persian.) *Iran. Dept. des Rech. Agron. Lab. Ent. et Phytopath. Appl.* 10:23-30. Oct.1950. 464.9 P432
French summary, p.12-19.
- 77569 MISETSKII, I. A. S. Diverting cockchafer larvae from plantings in a pine nursery. (In Russian.) *Lesn. Khoz.* 4(3):93. Mar.1951. 99.8 L5622
Melolontha larvae.
- 77570 MONROS, F. Notes on chrysomelid beetles of the subfamily Chlamisinae, with descriptions of new species. *U. S. Natl. Mus. Proc.* 101:451-463. 1951. 500 Sm65P
New species in *Melittochlamys* and *Chlamisus*.
- 77571 MOROSKY, W. F. The insect carriers of Dutch elm disease. *Mich. Forestry and Park Assoc. Annu. Mtg.* 25:3-4. Feb.1951. 99.9 M586
Scolytus multistriatus and *Hylurgopinus rufipes*.
- 77572 MURAYAMA. On the bark beetle of Luan timber and the control measures against it. (In Japanese.) *Jap. J. Plant Protect.* 19:22-32. Jan.1951. 421 J27
- 77573 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Insect pests. *Agr. Gaz. N. S. Wales* 62:251-255. May 1,1951. 23 N472
Listroderes costirostris obliquus, *Hemitarsonemus latus*, and *Eurytoma fellis*.
- 77574 OGLOBLIN, D. A., and ZNOJKO, D. V. Pyl'se-edy (Sem. Alleculidae), ch. 2, podsem. Omophilinae [Polen-eaters (Fam. Alleculidae), pt. 2, subfam. Omophilinae]. *Akad. Nauk SSSR. Zool. Inst. Fauna SSSR. (n.s.)* 44,133 p. 1950. 427 F274
- 77575 OMER-COOPER, J., and MILES, P. On Lema trilineata—a beetle closely resembling the tobacco slug, attacking the Cape Gooseberry [Physalis peruviana]. *So. African J. Sci.* 47:330-333. July 1951. 515 So84
- 77576 PAPP, C. S. Some new Phytophaga from South-America and India (42d contribution to the knowledge of the Chrysomelidae). *Tijdschr. v. Ent.* 93:131-133. 1950, pub. Mar.20,1951. 421 T21
New species and forms in *Scelodonta*, *Bromiodes*, and *Cryptoccephalus*.
- 77577 PEARCE, E. J. A preliminary list of the aquatic Coleoptera of Brecon, Radnor, and Monmouth. *Soc. Brit. Ent. J.* 3:262-267. Apr.26,1951. 420 En85J
- 77578 PIC, M. Nouveaux Bruchides (Coleoptera) de l'Afrique Australe. *Transvaal Mus. Ann.* 21:427-428. July 6,1951. 515 T68
New species in *Bruchus*, also new subgenus *Pygobruchidius*.
- 77579 POCHON, H. Eine interessante varietät von Clytus arietis L. (Col. Cerambycid.). *Schweiz. Ent. Gesell. Mitt.* 24:111. Apr.30,1951. 420 Sw6
- 77580 QADRI, M. A. H. A preliminary study of the poplar leaf beetle—*Nodostoma* sp. *Pakistan J. Forestry* 1:119-121. Apr.1951. 99.8 P17
- 77581 REGNIER, R. La lutte contre les hannetons [Melolontha melolontha]. *Agriculture [Paris]* 15:147,149-151. June 1951. 14 Ag823
- 77582 ROBERTSON, P. L. The Australian carpet beetle, *Anthrenocerus australis* (Hope), in New Zealand. *New Zeal. J. Sci. & Technol. B. Gen. Res. Sect.* 31(1):1-15. Ref. July 1949, pub. Dec.1950. 514 N48B
- 77583 SALAVATIAN, M. Quelques Buprestides de l'Iran. (In Persian.) *Iran. Dept. Gen. des Rech. Agron. Lab. Ent. et Phytopath. Appl.* 11:19-26. Dec.1950. 464.9 P432
French summary, p.6-11.
- 77584 SCHAFFNER, J. C., and MILLSPAUGH, D. D. A preliminary list of the Gyrinidae (Coleoptera) known to occur in Iowa. *Iowa Acad. Sci. Proc.* 57:531-532. 1950. 500 Io93
- 77585 SCHEDL, K. E. Achtung, borkenkäfer! Kärntner Bauer 101:270-271. May 15,1951. 19 K14
Control.
- 77586 SCHEDL, K. E. Fauna indo-malayaensis I. 91. Beitrag zur morphologie und systematik der Scolytoidea. *Tijdschr. v. Ent.* 93:41-98. 1950, pub. Mar.20,1951. 421 T21
Includes new species in *Diamerus*, *Scolytomimus*, *Cryphalomorphus*, *Cryphalus*, *Xyleborus*, and *Platypus*.
- 77587 SCHEDL, K. E. Neotropische scolytoidea. IV. 112. Beitrag zur morphologie und systematik der Scolytoiden. *Dusenja* 2:71-130. Mar.31,1951. 410 D94
New species in *Loganius*, *Cnemonyx*, *Cnesinus*, *Hexacolus*, *Phloeotribus*, *Phthorophloeus*, *Problechilus*, *Chramesus*, *Pseudochramesus*, *Pseudohylesinus*, *Miocryphalus*, *Cryphalomorphus*, *Hypothemus*, *Stephanoderes*, *Phitopodius*, *Cryptocleptes*, *Neodryocoetes*, *Plesio-phthorus*, *Pityophthorus*, *Brachydendrus* n.g., *Gnathocranus* n.g., *Gnathotrichus*, *Xyleborus*, *Gnathotrupes* n.g., *Tylurcus*, and *Corthocyclon* n.g.
- 77588 SHAW, S. The British species of the genus Dacne Latreille (Col., Erotylidae). *Soc. Brit. Ent. J.* 3: 276-278. Apr.26,1951. 420 En85J
- 77589 SHENEFELT, R. D., and SIMKOVER, H. G. Notes on habits and "broods" of June beetles [Phyllophaga]. *Ent. News* 62:219-223. July 1951. 421 En38
- 77590 ŠIMKOVÁ, L. The experiments with the short-termed lethal temperatures of some seed pests (Calandra [i. e. Sitophilus] granaria, Acanthoscelides obsoletus, Ephestia kühniella). (In Czech.) *Českoslov. Akad. Zeměděl. Sborn.* 23:313-319. Ref. Mar.1951. 19.5 C332C
English summary.
- 77591 SMIRNOFF, W. Sur la biologie au Maroc de Rhizobius (Lindorus) lophantae Blaisd. (Col. Coccinellidae). *Rev. de Path. Vég. et d'Ent. Agr. de France* 29:171-182. Dec.1950. 464.9 Sol
- 77592 SMRECZYNSKI, S. Remarques sur quelques Curculionides de France. *Soc. Ent. de France. B.* 56:73-75. 1951. 420 F84B
- 77593 SPILLER, D. Digestion of alpha-cellulose by larvae of Anobium punctatum De Geer. *Nature [London]* 168:209-210. Aug.4,1951. 472 N21
- 77594 SPILLER, D. Note on susceptibility of Pinus radiata D. Don timber to attack by the common house borer Anobium punctatum De Geer. *New Zeal. J. Sci. & Technol. B. Gen. Res. Sect.* 32:38-39. Mar.1951. 514 N48B
- 77595 STÄGER, R. Biologische beobachtungen an käfern im Wallis. *Schweiz. Ent. Gesell. Mitt.* 24:125-128. Apr.30,1951. 420 Sw6

- 77596 STILWELL, F. African violet trouble [Brachyrhinus ovatus] in Connecticut. African Violet Mag. 4(4): 21,59. June 1951. 80 Af8
- 77597 STRANEO, S. L. On some African Pterostichini (Coleoptera-Carabidae). Transvaal Mus. Ann. 21: 419-425. July 6, 1951. 515 T68
New species and forms in Stereostoma, Astygis, Caphosomorpha, and Wahlbergia.
- 77598 STRANEO, S. L. On some Central and South American Pterostichini (Coleoptera, Carabidae) in the Museum of Comparative Zoology. Psyche 58:1-19. Mar. 1951. 421 P95
New species in Tichonia, Oxycrepis, Loxandrus, Sierrobis n.g., Pachybaris n.g., Pseudobaris, Marsyas, and Cynthidia.
- 77599 STRANEO, S. L. Preliminary description of the new species collected by Dr. Monard of the Swiss Scientific Mission in Cameroun. (In Italian.) Rev. Suisse de Zool. 58:387-389. Feb. 1951. 410 R324
Pterostichini (Carabidae). New species in Caelostomus, Abacetus, Metaxenus, and Melanchiton.
- 77600 STRAWINSKI, K. Z ekologii Elateridae (Col.) badanych na terenie województwa lubelskiego. On ecology of Elateridae (Col.) of the Lublin voivodships territory. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. C 5,245-278. Ref. Oct. 30, 1950. 512 L96Ac
English summary.
- 77601 STRIDE, G. O. The nutrition of the dried fruit beetle (Carpophilus hemipterus). Biochem. J. 49:xxvi. July 1951. 382 B52
- 77602 TAMANINI, L. DDT and cold against bean weevils. (In Italian.) Seme 2:156-157. July 1950. 16 S5
Acanthoscelides obtectus.
- 77603 TER-MINASIAN, M. E. Dolgonosiki-trubkoverty (Attelabidae) [Weevils—leaf-rollers (Attelabidae)]. Akad. Nauk SSSR. Zool. Inst. Fauna SSSR (n.s.) 39,231 p. 1950. 427 F274
- 77604 THIEM, H. Über den derzeitigen stand der maikäferbekämpfung [Melolontha melolontha] in Deutschland. Nachrbl. des Deut. Pflanzenschutzdienstes 3:40-42. Mar. 1951. 442.9 B832
- 77605 TIELECKE, H. Ein Beitrag zur biologie des distelrüsslers (Cleonus piger Scop.). Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:31-35. Ref. Feb. 1951. 464.9 N11
- 77606 TÖGEL, V. Erfolgreiche maikäferbekämpfung. Obst u. Gart. 6:76-77. May 1951. 80 Ob75
Melolontha melolontha.
- 77607 TUZET, O., and MANIER, J. F. Lajassitiella aphodii, n.g., n.sp. palavasicide parasite d'une larve d'Aphodius (Coléoptère Scarabaeidae). Ann. des Sci. Nat. Zool. et Biol. Anim. (ser. 11) 12:465-470. 1950. 410 An7
- 77608 ULRICH, A. Am ende der borkenkaferkalamitat. Forstl. Mitt. 4:71-73. Apr. 20, 1951. 99.8 F7725
Germany.
- 77609 VACCHERI, G. Control of doryphore [Leptinotarsa decemlineata]. (In Italian.) Campagna 50:82-83. May 15, 1951. 16 C152
- 77610 VRYDAGH, J. M. Introduction en Belgique du Lyctus africanus Lesne nouveau pour la faune. Soc. Ent. de Belg. B. et Ann. 86:178. Sept. 8, 1950. 420 B41
- 77611 WARNER, R. M. Control of the dried fruit beetle [Nitidulidae] & vinegar fly [Drosophila] in fig orchards. Calif. Fig Inst. Proc. Annu. Res. Conf. 5:42-44. Mar. 16, 1951. 93.44 C122P
- 77612 WEISS, H. B. The "knocker" and the "ground-ass." N. Y. Ent. Soc. J. 59:116. June 1951. 420 N48J
Early (1750) descriptions of elaterid and ant-lion.
- DIPTERA**
- 77613 AKERMAN, A. Some experience concerning attacks of frit flies [Oscinella frit] on oats. (In Swedish.) Sveriges Utsädesför. Tidskr. 61:108-118. 1951. 61.9 Sv23
English summary.
- 77614 ALBUQUERQUE, D. O. DE. On a new genus [Souzalopesmyia] and two new species of Neotropical Phaoninae (Diptera, Muscidae). (In Portuguese.) Rev. Bras. de Biol. 11:53-57. Feb. 1951. 442.8 R326
- 77615 ALBUQUERQUE, D. O. DE. On some of Macquart's types (Diptera, Muscidae), located in the National Museum of Natural History in Paris. (3rd note). (In Portuguese.) Mus. Nac. B. Nova Sér. Zool. 99,4 p. Oct. 26, 1950. 516 R47Bz
Helena viridiventris, H. nitida.
- 77616 ALEXANDER, C. P. New or little-known Tipulidae from New Guinea (Tipulidae, Diptera). I. Treubia 21:1-9. Apr. 25, 1951. 410 T72
Includes new species in Gynoplistia.
- 77617 ALEXANDER, C. P. Records and descriptions of neotropical crane-flies (Tipulidae, Diptera). XXV. N. Y. Ent. Soc. J. 59:99-110. June 1951. 420 N48J
New species in Limonia, Epiphragma, Hexatoma, and Gnophomyia.
- 77618 ANDRETTA, C. D', JR., and ANDRETTA, M. A. V. D'. Neotropical species of the family Simuliidae Schiner (Diptera Nematocera). VI. Redescription of Simulium pertinax Kollar, 1832. (In Portuguese.) São Paulo Dept. de Zool. Papéis Avulsos 9:193-213. Ref. 1950. 410.9 Sa63
English summary.
- 77619 BALOCK, J. W. Ethylene dibromide for destroying fruit fly infestations in fruits and vegetables. Science 114:122. Aug. 3, 1951. 470 Sci2
Ceratitis capitata, Dacus cucurbitae, and Dacus dorsalis.
- 77620 BOHM, H. Kampf den fliegen! Pflanzenarzt 4(6):5-6. June 1951. 464.9 P482
- 77621 BURGHARDT, H. F., WHITLOCK, J. H., and MCENERNEY, P. J. Dermatitis in cattle due to Simulium (black flies). Cornell Vet. 41:311-313. July 1951. 41.8 C81
- 77622 BUSVINE, J. R. Mechanism of resistance to insecticide in houseflies. Nature [London] 168:193-195. Aug. 4, 1951. 472 N21
- 77623 CEVALLOS G., M. A. Investigación sobre el control del "gusano de monte" [Dermatobia hominis] y "garrapatas" [Boophilus annulatus] del ganado vacuno, mediante el uso de los insecticidas toxaphene y BHC en el Litoral Ecuatoriano. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(65):15-21. Jan./Mar. 1951. 9.5 M31
- 77624 CHARDOME, M., and PEEL, E. Recherches sur la répartition des filaires dans la région de Coquilhatville et la transmission de Dipetalonema streptocerca par Culicoides grahamsi, Austen. Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Méd. Mém. Collect. in-8° 19(6), 83 p. 1951. 504 B8362M
- 77625 COLLART, A. Essais de Trichina clavipes Meigen (Diptera Empididae) dans la région des Hautes Fagnes belges. Soc. Ent. de Belg. B. et Ann. 86:175-176. Sept. 8, 1950. 420 B41
- 77626 COLLART, A. Le genre Microsania (Dipt. Platypetidae) en France et nouvelles captures en Belgique. Soc. Ent. de Belg. B. et Ann. 86:170. Sept. 8, 1950. 420 B41
- 77627 COSTANTINO, G. Control of the fruit fly [Ceratitis capitata]. (In Italian.) Agr. Ital. 2:215-219. Apr. 15, 1951. 16 Ag822
- 77628 DEFRETIN, R. Données nouvelles sur la sécrétion salivaire des larves de chironome [Tendipes]. Acad. des Sci. Compt. Rend. 233:103-105. July 2, 1951. 505 P21
- 77629 DELANOUE, P. Encore la cératite! Feuille d'Inform. Vitic. et Arbor. de Tunisie 24:8-18. Ref. May 1951. 80 F433
- 77630 DOBZHANSKY, T. Ecological observations of Drosophila in Brazil. (Abs.) N. Y. Ent. Soc. J. 59:125. June 1951. 420 N48J
- 77631 DOESBURG, P. H. VAN. Reports on Syrphidae IX. (In Dutch.) Ent. Ber. 13:275-278. June 1, 1951. 420 N38B
Netherlands and Indonesia.
- 77632 DUPUIS, C. Contributions a l'étude des Phasiinae cimicophages (Diptères Larvaevoridae). XI. Notes synonymiques et systématiques (note 4). Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 22:590-595. Oct. 1950. 410.9 P213
English summary.
Includes new genus Clytiophasia.
- 77633 ENDRIGKEIT, A. Kohlfliegenbekämpfung durch vorbeugende pflanzenbehandlung. Neue Mitt. f. die Landwirtschaft. 6:436. June 30, 1951. 18 N39
Hylemya brassicae.
- 77634 FAUST, R., and BUDDENBROCK, W. VON. Die regulierung des gleichgewichtes der höheren Dipteren durch die halteren. Experimentia 7:265-266. July 15, 1951. 475 Ex7
English summary.
- 77635 FISCHER-PIETTE, E., and FISCHER, P. H. Sur le comportement de certains diptères vis-à-vis des objets avoisinants. B. Biol. de la France et de la Belg. 85:85-87. First Q. 1951. 473 B87

- 77636 FLUKE, C. L. Corrections to the paper on "The male genitalia of *Syrphus*, *Epistrophe* and related genera" (Diptera: Syrphidae). *Ent. News* 62:217-218. July 1951. 421 En88
- 77637 FROTA-PESSOA, O., and WHEELER, M. R. A revision of the genus "*Neotanygastrella*" Duda (Diptera, Drosophilidae). *Rev. Bras. de Biol.* 11:145-151. June 1951. 442.8 R326
- 77638 FUNG, S. T., and STERN, C. The seration of fourth chromosome loci in *Drosophila melanogaster*. *Natl. Acad. Sci. Proc.* 37:403-404. July 1951. 500 N21P
- 77639 GHESQUIÈRE, I. Un *Cryptochaetum* nouveau de Malaisie (Diptera Muscoidea Cryptochaetidae). *Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)* 22:587-589. Oct. 1950. 410.9 P213
- 77640 GHESQUIÈRE, J. Un parasite de la *Ceratitis capitata* Wied. en France. *Soc. Ent. de France. B.* 55:66-68. Ref. 1950. 420 F84B
- Aphaereta minuta.
- 77641 GOFFE, E. R. *Syrphus tarsalis* Schummel, 1836, homonym of *Syrphus tarsalis* Walker, 1836 (Diptera, Syrphidae). *Soc. Brit. Ent. J.* 3:273-274. Apr. 26, 1951. 420 En85J
- Walker's species is now *Ocyptamus tarsalis* (Walker); Schummel's should be *Platycheirus ciliger* Loew.
- 77642 GOFFE, E. R. *Tubifera vitripennis* (Strobl, 1893)=*Eristalis vitripennis* Strobl, 1893 (Diptera, Syrphidae), not a British species. *Soc. Brit. Ent. J.* 3:275-276. Apr. 26, 1951. 420 En85J
- 77643 GOMEZ CLEMENTE, F. El mosquito [Orthocladus] de los planteles de arroz. Spain. *Estac. de Fito-patol. Agr. B. de Patol. Veg. y Ent. Agr.* 17:27-36. 1949, pub. 1950. 464.9 M26
- 77644 GRENIER, G., and RAGEAU, J. Simuliidae de la région de Poitiers; description de *Cn. tredecimatum* (Edw.) et remarques concernant le genre *Cnephia* End. *Ann. de Parasitol. Humaine et Compar.* 26:366-375. Ref. 1951. 436.8 An7
- 77645 GRENIER, P., and OVAZZA, M. Simulies du Moyen-Congo. *Soc. de Path. Exot. B.* 44:222-234. Ref. 1951. 448.9 Sol3
- 77646 HALL, R. E. Comparative observations on the chironomid fauna of a chalk stream and a system of acid streams. *Soc. Brit. Ent. J.* 3:253-262. Ref. Apr. 26, 1951. 420 En85J
- 77647 HARDY, D. E. A monographic study of the African Bibionidae (Diptera). II. Genus *Philia* Meigen. *Kans. Ent. Soc. J.* 24:85-94. (Cont.) July 1951. 420 K13
- 77648 HARMSTON, F. C. New species of Dolichopodidae in the University of Kansas collection (Diptera). *Kans. Ent. Soc. J.* 24:103-109. July 1951. 420 K13
- New species in *Dolichopus*, *Chrysotus*, *Asyndetus*, and *Chrysotimus*.
- 77649 HARRISON, R. A. The occurrence in New Zealand of houseflies resistant to D.D.T. *New Zeal. J. Sci. & Technol. B, Gen. Res. Sect.* 32:40-43. Mar. 1951. 514 N48B
- 77650 HARRISON, R. A. Toxicity to houseflies of a flat oil paint containing D.D.T. *New Zeal. J. Sci. & Technol. B, Gen. Res. Sect.* 31(2):24-30. Sept. 1949, pub. Dec. 1950. 514 N48B
- 77651 HUCKETT, H. C. The genus *Eremomyia* Stein in North America, with descriptions of new species. (Muscidae: Diptera). *N. Y. Ent. Soc. J.* 59:75-91. June 1951. 420 N48J
- 77652 HULL, F. M. Some new species of syrphid flies. *N. Y. Ent. Soc. J.* 59:65-70. June 1951. 420 N48J
- New species in *Quichuana*, *Eristalis*, and *Mesogramma*.
- 77653 JENSEN, J. A., and FAY, R. W. Tagging of adult house flies [*Musca domestica*] and flesh flies [*Callitroga macellaria*, *Phaenicia pallescens*] with radioactive phosphorus. *Amer. J. Trop. Med.* 31:523-530. July 1951. 448.8 Am33
- 77654 KABOS, W. J. The Diptera Brachycera of Texel Island, ecologically considered. (In Dutch.) *Tijdschr. v. Ent.* 93:108-130. Ref. 1950, pub. Mar. 20, 1951. 421 T21
- 77655 KEISER, F. Die unterfamilie der Lochmostylinae (Dipt., Pyrgotidae) nebst beschreibung einer neuen gattung [*Ramulisetia*] und art aus dem indo-australischen faunengebiet. *Schweiz. Ent. Gesell. Mitt.* 24:112-124. Apr. 30, 1951. 420 Sw6
- 77656 KNOWLTON, G. F. House fly [*Musca domestica*]. *Control. Utah. State Agr. Col. Ext. B.* 224, 2 p. June 1951. 275.29 Ut1
- 77657 KOSTICH, D. Y. Source determination of blood meal in sandflies [*Phlebotomus* spp.] (Phlebotominae) in Yugoslavia (Dobricky County). 2,760 haemoprecipitin tests. *Acta Trop.* 8:131-135. Ref. 1951. 475 Ac8
- Study of epidemiology of kala azar.
- 77658 LAAKE, E. W. Screw-worm [*Callitroga americana*] survey in western United States. *U. S. Bur. Ent. & Plant Quar. Insect Pest Survey. Spec. Sup.* 1951(6), 7 p. July 5, 1951. 1.9 En831B
- Presented at meeting of the Southwestern Branch of the American Association of Economic Entomologists at Dallas, Mar. 1-2, 1951.
- 77659 LAAN, P. A. VAN DER. Life history and control of the rice seedling fly [*Atherigona exigua*]. *Indonesia. Gen. Agr. Res. Sta. Contrib.* 118, 15 p. Jan. 1951. 109.5 Ea73
- 77660 LECLERCQ, M. Invasion massive d'une habitation par *Chloropisca notata* Meigen (Dipt. Chloropidae). *Soc. Ent. de Belg. B. et Ann.* 86:228-229. Dec. 28, 1950. 420 B41
- 77661 LE GEAR, D. H. Cooperate to defeat the cattle grub. *Co. Agent & Vo-Ag Teacher* 7(3):38-39. Mar. 1951. 275.28 N213
- Hypoderma bovis.
- 77662 LEVER, J., and SOBELS, F. H. Some remarks on the occurrence of the genus *Drosophila* in the Netherlands. *Nederlands. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci.* 54:84-88. 1951. 442.9 Am8
- 77663 LEVITAN, M. Experiments on chromosomal variability in *Drosophila robusta*. *Genetics* 36:285-305. Ref. May 1951. 442.8 G28
- 77664 LORD, G. H. The life history, economics and control of the heel fly, *Hypoderma*, in cattle. *Vet. Sci. News* 5:4-8. Feb. 15, 1951. 41.8 V6492
- 77665 MERCIER-PAROT, L. Action de la température sur la transmission par les drosophiles femelles de la sensibilité héréditaire au gaz carbonique. *B. Biol. de la France et de la Belg.* 85:226-236. Second Q. 1951. 473 B87
- 77666 MILLER, D. Catalogue of the Diptera of the New Zealand Sub-Region. *New Zeal. Dept. Sci. & Indus. Res. B.* 100, 194 p. 1950. 330.9 N48B
- 77667 MOIGNOUX, J. B. *Culicoides nubeculosus* Meig (Diptère. Céatopogonide), hôte intermédiaire possible de la filaire *Onchocerca reticulata* Dies. en Camargue. *Acad. des Sci. Compt. Rend.* 233:102-103. July 2, 1951. 505 P21
- 77668 MONCEAU, G. La lutte contre la mouche des fruits. *Réveil Agr.* 60:198-199. July 1, 1951. 14 R322
- Ceratitis capitata*?
- 77669 NOVITSKI, E. Non-random disjunction in *Drosophila*. *Genetics* 36:267-280. Ref. May 1951. 442.8 G28
- 77670 OLDROYD, H. A visit to the Loiasis Research Scheme, Kumba, British Cameroons. (Abs.) *Roy. Ent. Soc. London. Proc. Ser. C: J. Mtg.* 15:40. 1950/51. 420 L84Pc
- Loa loa* carried by *Chrysops* spp.
- 77671 PARKIN, E. A., and GREEN, A. A. The toxicity of DDT to the housefly, *Musca domestica* L. *Indian J. Ent.* 11:128. Dec. 1949, pub. Feb. 1951. 420 In23
- 77672 PETIT, C. Le rôle de l'isolement sexuel dans l'évolution des populations de *Drosophila melanogaster*. *Acad. des Sci. Compt. Rend.* 232:2482-2484. June 25, 1951. 505 P21
- 77673 PINTO, A. R. Some techniques used in the study of trypanosomiasis. Report of a study project in Belgian Congo. (In Portuguese.) *Inst. de Med. Trop. An.* 7:549-575. July 1950. 448.9 L68
- Includes work with *Glossina*.
- 77674 RAO, S. N. Descriptions of two new genera and nine new and one known species of gall midges (Itionidae: Diptera) from India. *Indian J. Ent.* 11:109-127. Dec. 1949, pub. Feb. 1951. 420 In23
- New species in *Lestremia*, *Meinertomyia*, *Haplusia*, *Neohaplusia* n.g., *Thomasiniana*, *Diplodontomyia* n.g., and *Dyodiplosis*.
- 77675 REICHMUTH, W. Ein fall physiologischer schädigung während des schlupfes von *Sarcophaga carnaria* L. nach versprühen von DDT-lösung im raum. *Nachrl. des Deut. Pflanzenschutzdienstes* 2:182-183. Dec. 1950. 442.9 B832
- 77676 REPORT on the work of *Gasterophilus* control in the year 1949. (In Portuguese.) *Rev. Mil. de Remonta e Vet.* 10:45-57. Jan./June 1950. 41.8 R3219
- Horses.
- Work carried out by the 4th Division of the Subdirectory of Veterinary Medicine of the Brazilian Army.
- 77677 RHODEBECK, K. L., and MILLSPAUGH, D. D. A preliminary list of the Rhagionidae (Diptera) known to occur in Iowa. *Iowa Acad. Sci. Proc.* 57:529-530. 1950. 500 Io93
- 77678 ROSA, M. DE. Control of cherry worm [*Rhagoletis cerasi*]. (In Italian.) *Glor. di Agr.* 61:227. July 22, 1951. 16 ItIG

- 77679 RYAN, A. F. Some observations on the use of gammexane for the control of breech strike in lambs. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:138. May 1951. 23 T182T
Lucilia cuprina.
- 77680 RYCKAERT, A. Diptères rares de la faune belge. Soc. Ent. de Belg. B. et Ann. 86:225-226. Dec.28, 1950. 420 B41
- 77681 RYCKAERT, A. Diptères (Syrphidae) rares de la faune belge. Soc. Ent. de Belg. B. et Ann. 86:227-228. Dec.28, 1950. 420 B41
- Epistrophe spp.
- 77682 SCHARFF, D. K. Cattle grubs [Hypoderma]—their biologies, their distribution, and experiments in their control. Mont. Agr. Expt. Sta. B. 471,74 p. Ref. Dec.1950. 100 M76
- 77683 SÉGUY, E. Contribution à l'étude du peuplement de la Mauritanie; Diptères. Inst. Franç. d'Afrique Noire. B. 13:317-318. Apr.1951. 515 D14
- 77684 SEGUY, E. Les Eristales et le mythe des Bugonia (Dipt.). Entomologiste 7:1-5. Ref. Jan./Feb. 1951. 421 En814
- Ancient belief that bees had their origin in the carcasses of cattle.
- 77685 ŞENGÜN, A. Vergleichend-ontogenetische untersuchungen über die riesenchromosomen verschiedener gewebarten der Chironomiden. II. Istanbul. U. Fen. Fakül. Mecmuası. Ser. B, Tabii İlimler 16:1-44. Ref. Jan.1951. 475 Is7
- 77686 STOLZE, K. V., and HILLEMANN, H. Weitere mitteilungen über versuche zur vereinfachung der kohlfliegenbekämpfung. Nachrbl. des Deut. Pflanzenschutzdienstes 2:180182. Dec.1950. 442.9 B832
- Hylemya brassicae.
- 77687 STURTEVANT, A. H. A map of the fourth chromosome of Drosophila melanogaster, based on crossing over in triploid females. Natl. Acad. Sci. Proc. 37:405-407. July 1951. 500 N21P
- 77688 SUTTON, K., and MILLSPAUGH, D. D. A revision of the list of Tabanidae (Diptera) known to occur in Iowa. Iowa Acad. Sci. Proc. 57:535-536. Ref. 1950. 500 Io93
- 77689 TOLLET, R. Tachinidae endoparasites de Chrysomelidae. Soc. Ent. de Belg. B. et Ann. 86:177. Sept.8,1950. 420 B41
- 77690 TRUITT, G. W. The mushroom fly [Aphiochaeta agarici] as a cause of bronchial asthma. Ann. Allergy 9:513-516. July/Aug.1951. 448.8 An72
- 77691 TUNBLAD, B. Look out for the cherry fruit fly [Rhagoletis cerasi]. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 1951:82-84. 86 Sv2F
- 77692 ULRICH, H. Ergebnisse einer partiellen röntgenbestrahlung von Drosophila-eiern. I. Biol. Zentbl. 70:274-285. Ref. 1951. 442.8 B523
- 77693 VALENT, A. Un fléau des vergers, la mouche méditerranéenne des fruits [Ceratitis capitata]. B. des Engrais 330:71-73. Apr.1951. 57.8 B87
- 77694 VERBEKE, J. Observations sur les Simulium en Basse-Belgique. Soc. Ent. de Belg. B. et Ann. 86:172. Sept.8,1950. 420 B41
- 77695 VERBEKE, J. Syrphidae de Belgique. I.-II. Soc. Ent. de Belg. B. et Ann. 86:171-172,204-205. Sept.8, Nov.4,1950. 420 B41
- 77696 VOORST VADER, P. J. A. VAN. Immunity against bacillary dysentery and 'infectious enteritis', connection with flies and amoebic dysentery. Doc. Neerland. et Indonesica de Morbis Trop. 3:83-90. Ref. Mar.1951. 448.8 D65
- 77697 WALSHE, B. M. The function of haemoglobin in relation to filter feeding in leaf-mining chironomid larvae. J. Expt. Biol. 28:57-61. Mar.1951. 442.8 B77
- Observations on Glyptotendipes pallens and Endochironomus spp.
- 77698 YOSHIMOTO, C. M., and MILLSPAUGH, D. D. A preliminary list of the Calliphorinae (Diptera) known to occur in Iowa. Iowa Acad. Sci. Proc. 57:545-547. 1950. 500 Io93
- Culicidae
- 77699 ALAMEDA COUNTY, CALIFORNIA, MOSQUITO ABATEMENT DISTRICT. Twentieth annual report for the calendar year 1950. Oakland,1951. 34 p. 428 AL1
- 77700 ANDREWS, J. M. The [malaria] eradication program in the U. S. A. Natl. Malaria Soc. J. 10:99-123. Ref. June 1951. 448.9 N213
- Includes methods of controlling Anopheles quadrimaculatus; malaria statistics.
- 77701 ARNAL, A. El aparato digestivo y la digestion en los Culicidos hematofagos. Inst. de Cien. Nat. José de Acosta. Trab. Ser. Biol. 2:305-364. Ref. 1950. 442.9 Sp12
- English summary.
- Observations on Anopheles maculipennis, Culex pipiens, C. hortensis, Aedes aegypti, and A. berlandi.
- 77702 BARR, A. R., and KARTMAN, L. Biometrical notes on the hybridization of Culex pipiens L. and C. quinquefasciatus Say. J. Parasitol. 37:419-420. Aug.1951. 448.8 J824
- 77703 BLAKSLEY, J. C., PONTE Y JUAN, E. DEL, and BEJARANO, F. R. Nuevas adquisiciones epidemiológicas sobre la fiebre amarilla selvática en el noroeste argentino. Ofic. Sanit. Panamer. B. 31:39-45. July 1951. 449.9 P192B
- English summary.
- Mosquitoes as vectors.
- 77704 BONNE-WEPSTER, J. Notes on Oriental and Australasian mosquitoes of the Malay Archipelago. Doc. Neerland. et Indonesica de Morbis Trop. 3:67-74. Mar. 1951. 448.8 D65
- Bironella and Anopheles.
- 77705 CHOW, C. Y. Collection of culicine mosquitoes (Diptera, Culicidae) in Taiwan (Formosa), China, with description of a new species [Aedes sinensis]. Taiwan Mus. Q. J. 3:281-287. Dec.1950. 513 T133
- 77706 DARSIE, R. F., JR. Pupae of the culicine mosquitoes of the northeastern United States (Diptera, Culicidae, Culicini). N. Y. (Cornell) Agr. Expt. Sta. Mem. 304,67 p. Ref. June 1951. 100 N48C
- 77707 DOWNS, W. G., and BORDAS, E. Control of Anopheles pseudopunctipennis in Mexico with DDT residual sprays applied in buildings. V. Effectiveness of residual applications of DDT and gammexane up to one year after application under controlled conditions. Amer. J. Hyg. 54:150-156. Ref. July 1951. 449.8 Am3
- 77708 EYLES, D. E. Studies on Plasmodium gallinaceum. I. Characteristics of the infection in the mosquito, Aedes aegypti. Amer. J. Hyg. 54:101-112. Ref. July 1951. 449.8 Am3
- 77709 FLORIDA AUDUBON SOCIETY. DDT. Fla. Nat. 24(2):back cover. Apr.1951. 413.9 F66F
- Relation of mosquito control program to injury to aquatic life in Florida.
- 77710 GANDER, R. Experimentelle und oekologische untersuchungen über das schlüpfvermögen der larven von Aedes aegypti L. Rev. Suisse de Biol. 58:215-278. Ref. Feb.1951. 410 R324
- 77711 GEIB, A. F. The use of insecticides for mosquito control in California. Mosquito News 11:89-91. June 1951. 421 M85
- 77712 GIGLIOLI, G. Eradication of Anopheles darlingi from the inhabited areas of British Guiana by DDT residual spraying. Natl. Malaria Soc. J. 10:142-161. June 1951. 448.9 N213
- 77713 HURLBUT, H. S. The propagation of Japanese encephalitis virus in the mosquito by parenteral introduction and serial passage. Amer. J. Trop. Med. 31:448-451. July 1951. 448.8 Am33
- Tests with Culex quinquefasciatus and Aedes triseriatus.
- 77714 LYNCH, T. J. Mosquito and fly control with chemicals. Arborist's News 16:68-75. July 1951. 99.8 Ar14
- 77715 MARKS, E. N. Mosquitoes from southeastern Polynesia. Bernice P. Bishop Mus. Occas. Papers 20:123-130. Ref. Feb.14,1951. 500 B450
- 77716 MARTINEZ PALACIOS, A. Identificación de los mosquitos mexicanos del subgenero Culex (Diptera: Culicidae) por la genitalia masculina. Soc. Mex. de Hist. Nat. Rev. 11:183-191. Dec.1950. 516 So15
- 77717 MATTINGLY, P. F. Culex (Culex) torrentium Martini, a mosquito new to Great Britain. Nature [London] 168:172. July 28,1951. 472 N21
- 77718 MATTINGLY, P. F. The Culex pipiens complex and the species concept. (Abs.) Roy. Ent. Soc. London. Proc. Ser. C: J. Mtg. 15:42. 1950/51. 420 L84Pc
- 77719 PINOTTI, M. The nation-wide malaria eradication program in Brazil. Natl. Malaria Soc. J. 10:162-182. Ref. June 1951. 448.9 N213
- Chief vectors are Anopheles darlingi, A. aquasalis, A. albicansis, A. cruzii, and A. bellator.
- 77720 RAMSAY, J. A. Osmotic regulation in mosquito larvae: the role of the Malpighian tubules. J. Expt. Biol. 28:62-73. Ref. Mar.1951. 442.8 B77
- Observations on Aedes aegypti.
- 77721 REED, W. D. Mosquito control at Department of the Army installations. Mosquito News 11:92-93. June 1951. 421 M85

- 77722 REMOTTI, E. Macradenic and micradenic forms in *Anopheles maculipennis*. (In Italian.) Soc. Ital. di Biol. Sper. B. 26:1314-1316. Aug.1950. 442.8 So12
Refers to salivary glands.
- 77723 SYMPOSIUM: Nation-wide malaria eradication projects in the Americas. Natl. Malaria Soc. J. 10:97-194. June 1951. 448.9 N213
Held at the 33rd Annual Meeting of the National Malaria Society, Savannah, November 8, 1950.
- 77724 TOLEDO AREA SANITARY DISTRICT. The fourth annual report, 1950. Toledo, 1951. 33 p. 449.9 T572
Mosquito control.
- 77725 VARELA, G., and PEREZ REBELO, R. Propiedades antibioticas para *Salmonella enteritidis* (Gaertner) Castellani y Chalmers, en *Aedes aegypti*. Soc. Mex. de Hist. Nat. Rev. 11:29-33. Ref. Dec.1950. 516 So15
- 77726 VARGAS, L. Nota sobre *Aedes*. Revisión de algunos *Ochlerotatus* americanos. *Kummyia* n. subgen. (Diptera, Culicidae). Soc. Mex. de Hist. Nat. Rev. 11:149-159. Dec.1950. 516 So15
English summary.
- 77727 VARGAS, L., and DOWNS, W. G. Tres especies nuevas de *Aedes* (Diptera, Culicidae). Soc. Mex. de Hist. Nat. Rev. 11:161-181. Dec.1950. 516 So15
English summary.
- 77728 WEATHERSBEE, A. A., ARNOLD, F. T., JR., and ASKEY, M. M., JR. Additional mosquito distribution records for South Carolina. Reelfoot Lake Biol. Sta. Rpt. 15:79-84. Jan.1951. 442.9 R25
- 77729 WORLD HEALTH ORGANIZATION. EXPERT COMMITTEE ON MALARIA. Report on the fourth session, Kampala, Uganda, 11-16 December 1950. World Health Organ. Tech. Rpt. Ser. 39,30 p. Apr.1951. 449.9 W892T
Malaria control of residual spraying, p.10-12; Insecticides, p.12-17.
- ### HEMIPTERA (HETEROPTERA AND HOMOPTERA)
- 77730 AGATI, J. A., and others. Field observations on aphids that spread abaca mosaic. Philippines. Bur. Plant Indus. C. 1,6 p. 1950. 25 P544C
B. S. Castillo, F. Q. Otanes, and O. A. Reinking, joint authors.
Aphis gossypii, *A. maidis*, *Rhopalosiphum nymphaeae*, *R. prunifoliae*.
- 77731 BARDIA BARDIA, R. Los pulgones. Cult. Mod. 34:127-129. Apr.1951. 15 C89
Spain.
- 77732 BEAMER, R. H. A review of the genus *Kelisia* in America north of Mexico with four new species (Homoptera-Fulgoroidea-Delphacinae). Kans. Ent. Soc. J. 24:117-121. July 1951. 420 K13
- 77733 BERNARD, J. Comment combattre les pucerons des arbres fruitiers. Bas-Rhin Agr. 6:230. May 19,1951. 14 B29
- 77734 BINGLEY, L. T. To make plant lice control easier learn about the aphids. Garden 55(4):30-32. Sept. 1951. 80 G1632
- 77735 BLATTNY, and others. La lutte contre le puceron du houblon (*Phorodon humuli* Schrnk). (In Czech.) Ceskoslov. Akad. Zeméděl. Sborn. 23:280-294. Mar.1951. 19.5 C332C
Osvald, Kučera, Franěk, and Bergman, joint authors.
English summary.
- 77736 BÖHM, H. Untersuchungen über die San José-schildlaus [*Aspidiotus perniciosus*]. Pflanzenschutzberichte 6:65-76. Ref. Mar.1951. 464.9 P48
English summary.
- 77737 BOSE, M. On the biology of *Coranus spiniscutis* Reuter: an assassin bug: (fam. Reduviidae). Indian J. Ent. 11:203-208. Dec.1949, pub. Feb.1951. 420 In23
- 77738 CARAYON, J. Ecologie et régime alimentaire d'Hémiptères Hénicocephalidés africains. Soc. Ent. de France. B. 56:39-44. Ref. 1951. 420 F84B
- 77739 CARAYON, J., and GÓMEZ MENOR, J. Phorticus minutulus Reut., en España y distribución geográfica de la subfamilia Prostemminae (Hemipt. Reduviidae). Soc. Españ. de Hist. Nat. B. Secc. Biol. 48:15-20. 1950. 442.9 So14
- 77740 CARTER, M. W. The *Pittosporum* chermid, *Powellia vitreoradiata* Mask. New Zeal. J. Sci. & Technol. B. Gen. Res. Sect. 31(2):31-42. Sept.1949, pub. Dec.1950. 514 N48B
- 77741 CHAN, C. B., and JU, L. S. A preliminary study of *Cyrtorhinus mundulus* Bredd. in Taiwan. (In Chinese.) J. Sugarcane Res. 5:51-58. Feb.1951. 65.8 J822
English summary.
- 77742 CHATTERS, R. M., and SCHLEHUBER, A. M. Mechanics of feeding of the greenbug (*Toxoptera graminum* Rond.) on *Hordeum*, *Avena*, and *Triticum*. Okla. Agr. Expt. Sta. Tech. B. T-40,18 p. June 1951. 100 Ok4
- 77743 CHINA, W. E., and MILLER, N. C. E. The 3rd Danish Expedition to Central Asia. Zoological results 3. Hemiptera (insecta) from Afghanistan. Dansk. Nathist. For. Vidensk. Meddel. 112:225-234. 1950. 502 D232
- 77744 DENNIS, C. J. A list of the Wisconsin species of Membracidae. Canad. Ent. 83:183-184. July 1951. 421 C16
- 77745 DMITRIEV, G. V. *Cicadula sexnotata*—dangerous pest of cereals. (In Russian.) Sovet. Agron. 9(4):90-92. Apr.1951. 20 So84
Includes dusting with DDT and benzene hexachloride.
- 77746 DOUGLASS, J. R. Beet leafhopper [*Circulifer tenellus*] threat to beans. Idaho. Agr. Col. Idaho Agr. Sci. 36(3):2. Third Q.1951. 276 Id13N
- 77747 DUDLEY, J. E., JR., and BRONSON, T. E. Control of the pea aphid [*Macrosiphum pisii*] in the East. U. S. Bur. Ent. & Plant Quar. EC-16,10 p.-folder. July 1951. 1.967 A2Ec1
- 77748 EWART, W. H., and ELMER, H. S. Parathion for control of citricola [*Coccus pseudomagnoliarum*] scale. Calif. Citrog. 36:420-422. Aug.1951. 80 C125
- 77749 FEIJÃO, M. S. P. A brief morphological study of *Pseudococcus citri* Risso. (In Portuguese.) Agron. Angolana 4:159-166. Ref. 1950. 24 Ag83
English summary.
- 77750 FLUITER, H. J. DE. Results obtained in an investigation on the influence of temperature and length of day on the appearance of sexual forms in *Aphis* (*Doralis*) *fabae* Scop., the black bean aphid. (In Dutch.) Tijdschr. v. Ent. 93:xxv-xxix. 1950, pub. Mar.20,1951. 421 T21
- 77751 FRICKHINGER, H. W. Die schildlaus-gefahr. Deut. Landwirt. Presse 74:178-179. July 7,1951. 18 D482
Aspidiotus perniciosus.
- 77752 FUKUDA, J., and YOSHIDA, I. Studies on the effect of the mixture of lime sulphur and zinc sulphate upon the arrowhead scale [*Prontaspis yanonensis*]. (In Japanese.) Hort. Assoc. Japan. J. 19:81-97. June 1950. 87 H78
English summary.
- 77753 FUNKHOUSER, W. D. Homoptera; fam. Membracidae. Bruxelles, Desmet-Verteneuil, 1950. 383 p. (Wytzman, P. Genera insectorum, fasc. 208) 422 W99
Includes new subfamily Platycotinae, and several new tribes.
- 77754 GABOTTO, L. Pear bug [*Tingis pyri*]. (In Italian.) Colt. e Glor. Vinc. Ital. 97:99-100. Apr.15,1951. 16 C72
- 77755 GHESQUIERE, J. L'aleurode des agrumes, *Dialeurodes citri* (Ashmead), dans le midi de la France (Hem. Homopt. Aleyrodidae). Soc. Ent. de Belg. B. et Ann. 86:223-225. Dec.28,1950. 420 B41
- 77756 GÓMEZ-MENOR, J. La "chincheta" del almendro (*Monostira unicostata* Mulsant). Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:97-110. 1949, pub.1950. 464.9 M26
- 77757 GONÇALVES, L. I. Plant lice on crops. (In Portuguese.) Lavoura 55:25. Mar./Apr.1951. 9.2 L39
Brazil.
- 77758 GONZÁLEZ MENDOZA, R. Algunas consideraciones sobre el complejo simbiótico cóccido-hormiga del sistema radicular del café. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 2(15):26-31. Ref. Mar.1951. 68,29 C332
- 77759 GOUX, L. Notes sur les Coccides (Hem. Coccoidea) de la France (41^e note); étude d'un *Aspidiotus* nouveau des environs de Marseille. Soc. Ent. de France. B. 56:10-14. 1951. 420 F84B
- 77760 GRAVESTINE, W. H. A new bug and a new psyllid for our fauna. (In Dutch.) Tijdschr. v. Ent. 93:xx-xxi. 1950, pub. Mar.20,1951. 421 T21
Phytocoris nowickyi; *Psylla viscicola*.
- 77761 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Currant and gooseberry aphids. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 176,5 p. Feb.1951. 10 G79La
Hyperomyzus lactucae, *Nasonovia ribis-nigri*, *Cryptomyzus galeopsidis*, *C. ribis*, *Aphis grossulariae*, *A. varians*, and *Eriosoma ulmi*.
- 77762 GROMOVAIA, E. F. Combined spraying in the orchard. (In Russian.) Sad i Ogorod 3:34-35. Mar.1951. 80 Sa13
Against San Jose scale and apple scab.

- 77763 GUPTA, P. D. On the structure, development and homology of the female reproductive organs of *Dysdercus cingulatus* (Fabr.) (Heteroptera). Indian J. Ent. 11:131-142. Dec.1949, pub. Feb. 1951. 420 In23
- 77764 HANNA, A. D. The effect of rainfall on the cotton jassid, *Empoasca lybica* (De Berg.) in the Gezira, Anglo-Egyptian Sudan. Sudan. Min. Agr. Res. Div. Mem. 17:359-369. 1950. 24 Su25
- 77765 HIERHOLZER, O., and LÜDGE, W. Die Douglasienwollaus, *Gilletteella* [i.e. *Chermes*] *cooleyi* (Gill.) C. B. in Württemberg-Hohenzollern. Allg. Forst- u. Jagdztg. 122:192-201. Ref. July 1, 1951. 99.8 AL3
- 77766 HUNGERFORD, H. B. A new *Hydrometra* from Mauritius. Kans. Ent. Soc. J. 24:109-111. July 1951. 420 K13
- 77767 ISHII, T. Parasitic fly to ruby scale. (In Japanese.) Jap. J. Plant Protect. 23:27-28. May 1951. 421 J27
- Anicetus ceroplastis* parasitic on *Ceroplastes rubens*.
- 77768 KAUSSARI, M. Les Coccidae du saule en Iran. (In Persian.) Iran. Dept. Gen. des Rech. Agron. Lab. Ent. et Phytopath. Appl. 11:1-18. Dec. 1950. 464.9 P432
- French summary, p.1-5.
- Includes new species in *Diaspidiotus*.
- 77769 KNULL, D. J. Sixteen new leafhoppers and notes (Homoptera: Cicadellidae). Ohio J. Sci. 51:169-178. July 1951. 410 Oh3
- New species in *Alconeura*, *Empoasca*, *Erythroneura*, *Cochlorhinus*, *Ballana*, *Aligia*, *Mocuellus*, *Laevicaphalus*, and *Flexamia*.
- 77770 KORMILEV, N. A. Notes on Neotropical Colobathristidae (Hemiptera), with the description of three new genera and seven new species. (In Portuguese.) Rev. Bras. de Biol. 11:63-84. Ref. Feb. 1951. 442.8 R326
- English summary.
- New species in *Phaenacantha*, *Carvalhoia* n.g., *Neocolobathristes* n.g., *Trichocentrus*, *Diascopoea*, and *Labradoria* n.g.
- 77771 LAMBERS, D. H. R. Aphid problems. (In Dutch.) T.N.O.-Nieuws 6:233-237. July 1951. 475 T11
- 77772 LENT, H. A second species of the genus *Bolboderia* Valdés, 1910 (Hemiptera, Reduviidae, Triatominae). (In Portuguese.) Rev. Bras. de Biol. 11:153-156. June 1951. 442.8 R326
- 77773 LENT, H., and WYGODZINSKY, P. Species of the genus *Zelurus* Hahn (Hemiptera, Reduviidae). (In Portuguese.) Rev. Bras. de Biol. 11:173-179. June 1951. 442.8 R326
- 77774 LENT, H., and WYGODZINSKY, P. Studies on the genus *Zelurus* Hahn (Reduviidae, Hemiptera). (In Portuguese.) Rev. Bras. de Biol. 11:1-28. Ref. Feb. 1951. 442.8 R326
- 77775 LIMA, A. D. F. "Scale" [*Pseudaulacaspis pentagona*], serious plague of peach trees. (In Portuguese.) Rev. Agron. [Porto Alegre] 15(169/173):16. Jan./Apr. 1951. 9.2 R325
- 77776 LIST, G. M., and MICKLE, G. T. Psyllid [*Paratrioza cockerelli*] control on potatoes and tomatoes. Colo. Agr. Col. Ext. C. 167-A, 4 p.-folder. May 1950. 275.29 C71C1
- 77777 MCWILLIAMS, J. P. Rain from your shade trees. Amer. Forests 57(8):15, 32-33, 35. Aug. 1951. 99.8 F762
- The sticky solution is the result of aphid and scale (coccidae) activity.
- 77778 MALLAMAIRE, A. Note sur la présence de la cochenille du palmier-dattier: *Parlatoria blanchardi* Targ. (Coccidae-Hemiptera) dans les oasis de l'Air. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(1):248-249. 1945, pub. 1950. 515 C762C
- 77779 METCALF, Z. P. Homoptera from the Caroline Islands. Bernice P. Bishop Mus. Occas. Papers 20: 59-76. Sept. 6, 1950. 500 B450
- New species and forms in *Coronacella* n.g., *Euidellana* n.g., *Lamenia*, *Armacia*, *Issarius* n.g., *Lallemandana*, and *Tharra*.
- 77780 MOERICKE, V. Eine farbfalle zur kontrolle des fluges von blattläusen, insbesondere der pfirsich-blattlaus, *Myzodes persicae* (Sulz.). Nachrbl. des Deut. Pflanzenschutzdienstes 3:23-24. Ref. Feb. 1951. 442.9 B832
- 77781 NAEZER, H. W. A new species of *Gorpsis* (Heteroptera-Nabidae) from Sumatra. Treubia 21:115-116. Apr. 25, 1951. 410 T72
- 77782 NAKADA, M. Controlling conditions of fall planthopper in Chiba Pre. (In Japanese.) Jap. J. Plant Protect. 20:60-63. Feb. 1951. 421 J27
- 77783 NEW SOUTH WALES. DEPT OF AGRICULTURE. ENTOMOLOGICAL BR. The bronze orange bug (*Rhococoris sulciventris*). N. S. Wales. Dept. Agr. Insect Pest L. 48, 3 p. 1950. 423.92 N47
- 77784 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. The white rose scale (*Aulacaspis rosae*). N. S. Wales. Dept. Agr. Insect Pest L. 68, 2 p. 1951. 423.92 N47
- 77785 POPHAM, E. J. A short contribution towards an ecological survey of the aquatic and semi-aquatic Hemiptera-Heteroptera (water-bugs) of the British Isles. North-East Wales (Denbighshire and Merionethshire). Soc. Brit. Ent. Trans. 10:269-280. Mar. 20, 1951. 420 So15
- 77786 POPHAM, E. J. A study of the changes of the water-bug fauna of North Surrey from 1946 to 1950 with special reference to the migration of corixids. Soc. Brit. Ent. J. 3:268-273. Apr. 26, 1951. 420 En85J
- 77787 RATTANLAL. Control of *Creontiades pallidifer* Wlk. with DDT. Indian J. Ent. 11:209-213. Ref. Dec. 1949, pub. Feb. 1951. 420 In23
- On potato plants.
- 77788 RECLAIRE, A. Sixth continuation to the list of names of bugs taken in the Netherlands and surrounding districts (Hemiptera-Heteroptera). (In Dutch.) Tijdschr. v. Ent. 93:1-24. Ref. 1950, pub. Mar. 20, 1951. 421 T21
- 77789 REIJNE, A. The Polish berry, *Margarodes polonicus* (L.) (with a request to the reader for cooperation). (In Dutch.) Ent. Ber. 13:260-261. May 1, 1951. 420 N38B
- 77790 REYES O., H. La cochinilla algodonosa (*Icerya purchasi*, Mask). Agr. Trop. 7(6):43-45. June 1951. 26 Ag8
- 77791 RISBEC, J. Sur une forme nouvelle d'*Hoplitocoris* (Henicocephalidae) de la vallée du fleuve Sénégal. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(1):298. 1945, pub. 1950. 515 C762C
- 77792 ROSELLA, E. Les fleurs de pêchers se sont desséchées; pourquoi? Réveil Agr. 60:165. June 1, 1951. 14 R322
- Control of aphids.
- 77793 ROVIRA VALLE, F. Les vignobles de Chincha attaqués par le phylloxera. Off. Internat. du Vin. B. 24(244):117-119. June 1951. 390.8 B87
- 77794 SCHREIER, O. Die kellerläus (*Myzodes* [i.e. *Rhopalosiphonius*] *latysiphon* Dav.) eine neue blattlausart in Österreich. Pflanzenschutzberichte 5:377-385. Ref. Dec. 1950. 464.9 P48
- English summary.
- 77795 SLATER, J. A. Notes and new records of Iowa Hemiptera (Heteroptera). Iowa Acad. Sci. Proc. 57:519-521. 1950. 500 Io93
- 77796 SMIRNOVA, O. N. Disclosure of nidi of grey apple aphids [*Aphis pomi*?] and measures for their control. (In Russian.) Sad i Ogorod 2:35-37. Feb. 1951. 80 Sa13
- 77797 TURNER, N. A short-winged form of *Onco-peltus fasciatus* Dal. N. Y. Ent. Soc. J. 59:115. June 1951. 420 N48J
- 77798 VAEZI, M. Rapport du laboratoire d'élevage des parasites d'*Eurygaster integriceps* Put. (In Persian.) Iran. Dept. Gen. des Rech. Agron. Lab. Ent. de Phytopath. Appl. 11:27-41. Dec. 1950. 464.9 P432
- French summary, p.12-18
- Chiefly *Microphanurus semistriatus*.
- 77799 VILLIERS, A. Notes d'entomologie ouest-africaine. II. Observations sur la répartition de quelques Hémiptères Hétéroptères et description de nouvelles espèces. Inst. Franç. d'Afrique Noire. B. 13:326-342. Apr. 1951. 515 D14
- Includes new species in *Mastigonemus*, *Centraspis*, *Joveria* n.g. (Reduviidae), *Orthunga*, *Schidium*, *Kayesia*, *Tiphanoscora* n.g. (Pentatomidae), *Scotinophota*, *Scotinophara*, and *Thoria*; *Montandonicus* n.n. for *Montandoniola* Villiers, not *Poppius*.
- 77800 WELLENSTEIN, G. Tannentrieblaus und douglastienwollaus lebensweise und bekämpfung der Dreyfusia nüsslini C. B. und der Gilletteella [i.e. *Chermes*] *cooleyi* Gill. Holz-Zentbl. 77:388-389. Mar. 15, 1951. 99.81 H742
- 77801 WILDAU, P. Verbesserung wanzengeschädigten mehlens; die weizenwanze und ihre schadwirkung. Mühle 88:431-432. July 5, 1951. 298.8 M89
- Eurygaster maura*.

HYMENOPTERA

- 77802 ARNOLD, G. New Pompilidae from Killimand-jaro. South Rhodesia. Natl. Mus. Occas. Papers 2:400-401. Oct.31,1950. 515 R342
New species and forms in: Pompilus, Anoplius, and Ceropales.
- 77803 BEARD, R. L. What makes a good insecticide? Habrobracon gives a clue. Frontiers Plant Sci. 3(2):2. May 1951. 100 F92
- 77804 BEAUMONT, J. DE. Qu'est-ce que le genre Pseudocolia Radoszkowski? (Hym. Sphecidae). Schweiz. Ent. Gesell. Mitt. 24:112. Apr.30,1951. 420 Sw6
- 77805 BENNO, P. Notes on bees and wasps. V. Rare wasp species from East Brabant (Hym. Sphecidae, Pompilidae, Vespidae, Mutillidae). (In Dutch.) Ent. Ber. 13: 273-274. June 1,1951. 420 N38B
- 77806 BUZZARD, C. N., and BATEMAN, J. Y. Ways of a hornet [Vespa crabro]. Country Life [London] 110:344-345. Aug.3,1951. 80 C83
- 77807 CRÉVECOEUR, A., and HOEGAERDEN, A. VAN. Note sur la nidification de Megachile pyrenaica Pérez (Hym. Apidae). Soc. Ent. de Belg. B. et Ann. 86:233-235. Dec.28,1950. 420 B41
- 77808 CUMBER, R. A. The introduction into New Zealand of Microphanurus basalis Woll. (Scelionidae: Hym.), eggparasite of the green vegetable bug, Nezara viridula L. (Pentatomidae). New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 32:30-37. Mar.1951. 514 N48B
- 77809 DOESBURG, P. H. VAN, JR. A noteworthy abnormality in Tenthredo scrophulariae L. (In Dutch.) Ent. Ber. 13:243. Apr.1,1951. 420 N38B
Extra wing.
- 77810 DOMINGUEZ GARCIA-TEJERO, F. Tentredinidos perjudiciales a la agricultura. Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:163-208. Ref. 1949, pub.1950. 464.9 M26
- 77811 GAHAN, A. B. Some synonymy and new combinations in Chalcidoidea (Hymenoptera). Canad. Ent. 83: 170-176. July 1951. 421 C16
- 77812 GAUL, A. T. Hornet activity and sounds. (Abs.) N. Y. Ent. Soc. J. 59:121. June 1951. 420 N48J
- 77813 GHESQUIERE, J. Le genre Copidosomopsis Girault nouveau pour la faune de l'Autriche. Soc. Ent. de Belg. B. et Ann. 86:176-177. Sept.8,1950. 420 B41
- 77814 GHESQUIERE, J. Hyménoptères domestiques de la France et de la Belgique. Soc. Ent. de Belg. B. et Ann. 86:172-174. Sept.8,1950. 420 B41
Spathius exarator, Microbracon hebetor and M. brevicornis, Meteorus atrator, and Hemiteles bicolorinus.
- 77815 GHESQUIERE, J. Redécouverte en France du ♂ de Megastigmus pistaciae Walker (Hym. Chalcidoidea Torymidae). Soc. Ent. de Belg. B. et Ann. 86:226. Dec.28, 1950. 420 B41
- 77816 GUSTAFSON, C. D. Ant control in citrus and avocado orchards. Calif. Citrog. 36:475. Sept.1951. 80 C125
- 77817 ISRAEL. DEPT. OF AGRICULTURE. Ha-tsera'oth vhamlikhamah behen [Wasps and their control]. Tel Aviv, Sefer, 1950. 4 p. 426 Is7
- 77818 JACOBY, M. Experiments to decrease the cost of poisons and simplify the control of the sauva ant [Atta]. (In Portuguese.) Brazil. Min. de Agr. B. 35 (7/12):27-40. July/Dec.1946, pub.1950. 9.2 Ag83
- 77819 JANSSENS, E. Une espèce nouvelle pour la faune belge: Aneurhynchus pentatomus Thomson (Hymenoptera Diapriidae). Soc. Ent. de Belg. B. et Ann. 86:205-206. Nov.4,1950. 420 B41
- 77820 JANSSENS, E. Présentation de quelques myrmécophiles intéressants, avec leurs hôtes. Soc. Ent. de Belg. B. et Ann. 86:171. Sept.8,1950. 420 B41
- 77821 JOLIVET, P. Un braconide nouveau pour la faune belge [Tmarctia tenebricosa normandiana]. Soc. Ent. de Belg. B. et Ann. 86:203-204. Nov.4,1950. 420 B41
- 77822 JUDD, W. W. Hymenoptera and an inquiline moth reared from the goldenrod galls caused by Gnori-moschema gallaesolidaginis Riley (Lepidoptera). Nova Scotian Inst. Sci. Proc. 22:1-7. 1949-50, pub. July 1951. 517 H13
Calliephialtes notandus, Glypta caulicola, Apanteles cacoeciae, Perilampus fulvicornis; Epiblema scudderiana.
- 77823 KING, R. L., and WALTERS, F. Population of a colony of Formica rufa melanotica Emery. Iowa Acad. Sci. Proc. 57:469-473. 1950. 500 Io93
- 77824 KOORNNEEF, J. Stray notes on Hymenoptera. Sixth series, No. 85-100. (In Dutch.) Ent. Ber. 13:244-249. Apr.1,1951. 420 N38B
English summary (pts. 86, 90, 99).
85, Pteronidea spiraeae and its parasites; 86, Biology of Monophadnus ruficruris; 87, Gorytes quinquefasciatus; 88, New localities for Allantus dominiquei, Gorytes bicinctus, G. fallax; 89, Ephialtes pfefferi; 90, Perithous brunne-cens, n.sp.; 91, Crabro cribrarius var. inornatus; 92, Crabro larvatus n.var.; 93, Monstrosity in Cerceris aren-aria; 94, Pemphredon rugifer; 95, Color variety of Bem-bex rostrata; 96, Bombus derhamellus var. pulcher; 97, Bombus variabilis var. tristis; 98, Rhogogaster fulvipes, abnormality; 99, Is Crabro inermis a variety of C. pubes-cens? 100, Color varieties of Allantus omissus.
- 77825 KRÜGER, E. Phänoanalytische studien an einigen arten der untergattung Terrestribombus O. Vogt (Hymen. Bomb.). I. Tijdschr. v. Ent. 93:141-197. 1950, pub. Mar.20,1951. 421 T21
- 77826 KUENEN, D. J. On Hoplocampa flava and H. minuta. (In Dutch.) Tijdschr. v. Ent. 93:xix-xx. 1950, pub. Mar.20,1951. 421 T21
- 77827 LAFFOON, J. L. A wasp with three pairs of wings (Hymenoptera; Ichneumonidae). Iowa Acad. Sci. Proc. 57:467-468. 1950. 500 Io93
Craticheumon unifasciatioides.
- 77828 LECLERCQ, J. Sur les crabroniens orientaux et australiens rangés par R. E. Turner (1912-1915) dans le genre Crabro (subgenus Solenius). Soc. Ent. de Belg. B. et Ann. 86:191-198. Ref. Sept.8,1950. 420 B41
Now placed in Williamsita, Ectemnius, and Lestica.
- 77829 LEDOUX, A. Recherche sur la biologie de la fourmi fileuse (Oecophylla longinoda Latr.). Ann. des Sci. Nat. Zool. et Biol. Anim. (ser.11)12:313-461. Ref. 1950. 410 An7
- 77830 LEITE, E. DE A. Toward control of the sauva ant. (In Portuguese.) Chacaras e Quintais 83:728-730. June 15,1951. 9.2 C34
Atta spp.
- 77831 LIMA, A. DA C. On some parasitic wasps. of the family Ichneumonidae (Hymenoptera). (In Portu-guese) São Paulo Dept. de Zool. Papéis Avulsos 9:367-374. 1950. 410.9 Sa63
Includes new species in Pimpla and Apechthis.
- 77832 LINSSENMAIER, W. Die europäischen Chrysi-diden. (Hymenoptera); versuch einer natürlichen ordnung mit diagnosen. Schweiz. Ent. Gesell. Mitt. 24:1-110. Ref. Apr.30,1951. 420 Sw6
Includes new species in Chrysis.
- 77833 MOLYNEAUX, R. Ant palaces—description and building instructions. All-Pets Mag. 22(6):71-73,75. June 1951. 48.8 AL5
- 77834 MOURE, J. S. Aripnanarthra, a new genus of Halictidae (Hymenopt.-Apoidea). (In Portuguese.) Dusenía 2:137-140. Mar.31,1951. 410 D94
- 77835 MOURE, J. S. Notes on bees of the old genus Pasiphae (Hymenopt.-Apoidea). (In Portuguese.) Dusenía 2:189-198. Mar.31,1951. 410 D94
Includes new genus Spinolapis and new sub-genus Pasiphae (Edwynia).
- 77836 MUKERJI, S. A new accessory structure to the ovipositor to aid oviposition and boring in a parasitic scellionid (Hymenoptera, Proctotrypoidea). Cur. Sic. 20: 166. June 1951. 475 Sci23
Scelio oviphagae.
- 77837 NEW SOUTH WALES. DEPT. OF AGRICUL-TURE. ENTOMOLOGICAL BR. The citrus gall wasp (Eurytoma fellis). N. S. Wales. Dept. Agr. Insect Pest L. 66,2 p. 1951. 423.92 N47
- 77838 PAPE, H. Schäden durch den gladiolenblasen-fuss [Taeniothrips simplex] in Deutschland. Nachrbl. des Deut. Pflanzenschutzdienstes 3:19-20. Feb.1951. 442.9 B832
- 77839 PFITZER, D. W. A new species of Smithistruma from Tennessee (Hymenoptera: Formicidae). Tenn. Acad. Sci. J. 26:199-200. July 1951. 500 T25A
Smithistruma cloydi.
- 77840 RAWLINGS, G. B. The establishment of Ibaña leucospoides in New Zealand. Forest Res. Inst. Forest Res. Notes 1(3):1-14. Jan.1951. 99.9 W46
Parasitic on Sirex noctilio.
- 77841 RAYMENT, T. New bees and wasps. XV. Bees from two mountains, with description of a new species [Parasphcodes gentianae] and notes on the biology of another [P. wellingtoni]. Victorian Nat. 68:10-13. May 1951. 410 V66

- 77842 RISBEC, J. Note au sujet d'un braconide phytophage [Gnamptodon]. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(1):303-304. 1945, pub. 1950. 515 C762C
- 77843 RYCKAERT, A. Un crabronien (Hym. Sphegidae) nouveau pour la faune belge: *Rhopalum nigrinum* Kiesenwetter (= *kiesenwetteri* Morawitz). Soc. Ent. de Belg. B. et Ann. 86:228. Dec. 28, 1950. 420 B41
- 77844 SAYER, J., and ROBERTS, C. He pampered pests to become the ant king of the world. Nation's Business 39(8):54-55. Aug. 1951. 286.8 N212
Describes a business of selling ant collections.
- 77845 SCHMIDT, G. Das schadbild der birntrieb-
wespe [Cephus compressus F.]. Nachrbl. des Deut. Pflanzenschutzdienstes 3:17-19. Feb. 1951. 442.9 B832
- 77846 SELVARAJ, C. J. Notes on the biology of *Euplectrus spodopterae* Bhatnagar. Indian J. Ent. 11:129-130. Dec. 1949, pub. Feb. 1951. 420 In23
Parasite of *Spodoptera mauritia*.
- 77847 SHUTOVA, N. N. The problem of Comstock mealybug [*Pseudococcus comstocki*] control is solved by the biological method. (In Russian.) Sad i Ogorod 1951: 32-34. Jan. 1951. 80 Sa13
Pseudaphycus.
- 77848 SMITH, F. G. Preliminary report on *Trigona* wax. East African Agr. J. 16:185-187. Apr. 1951. 24 Ea74
Observations of *Trigona* and properties of the wax.
- 77849 STEFFAN, J. R. Note sur la tribu des Crato-
centrini (Hym. Chalcididae Brachymerinae); description
de deux espèces nouvelles. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 22:596-602. Oct. 1950. 410.9 P213
New species in *Acanthochalcis* and *Macrochalcis*.
- 77850 STEFFAN, J. R. Notes sur les genres
Xyphorachidia nov. et *Rhynchochalcis* Cameron (Hym.
Chalcididae). Soc. Ent. de France. B. 56:34-39. 1951.
420 F84B
- 77851 WEBB, F. E., and FORBES, R. S. Notes on the
biology of *Pleroneura borealis* Felt (Xyelidae: Hymenop-
tera). Canad. Ent. 83:181-183. July 1951. 421 C16
- ### LEPIDOPTERA
- 77852 ALFARO, A. Orugas de Archips en el arbo-
lado frutal de la ribera del Jálón. Spain. Inst. Nac. de
Invest. Agron. Trab. (Ser. Fitopatol.) 213, 24 p. Ref.
1950. 464.9 Sp1
Also in Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg.
y Ent. Agr. 17:37-59. 1949, pub. 1950. 464.9 M26
- 77853 ALIBERT, H. Note sur l'apparition du ver
rose dans les Colonies d'A. O. F. Conf. Internat. des
Africanistes de l'Ouest. Compt. Rend. 1(1):243. 1945, pub.
1950. 515 C762C
Pectinophora gossypiella.
- 77854 ATKINS, E. L., JR. Control of orangeworms;
cryolite, DDD, parathion found most effective against
four main species of orangeworms in southern California.
Calif. Agr. [Calif. Sta.] 5(6):4, 15. June 1951. 100 C12Cag
Argyrotaenia citrana, *Pyroderces rileyi*, *Holcocera*
iceryaella, and *Platynota stultana*.
- 77855 BABAIAN, A. S., and MKRTUMIAN, K. L. The
influence of host plants upon the development of *Agrotis*
ypsilone Rott and *Laphygma exigua* Hb. (In Russian.)
Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz.
Nauk. 3:491-494. 1950. 20 Er4
- 77856 BARTH, R. Das Duftorgan von "Pantherodes
pardalaria" (Hbn., 1823) (Geometridae, Geometrinae).
Rev. Bras. de Biol. 11:105-118. Ref. Feb. 1951.
442.8 R326
- 77857 BEEBE, W. Migration of Nymphalidae
(Nymphalinae), Brassolidae, Morphidae, Libytheidae,
Satyridae, Riodinidae, Lycaenidae and Hesperidae
(butterflies) through Portachuelo Pass, Rancho Grande,
North-Central Venezuela. Zoologica 36:1-16. Apr. 20,
1951. 410. Z722
- 77858 BERNARDI, G., HERBULOT, C., and PICARD,
J. Liste des Grypocères et Rhopalocères de la faune
française conforme aux Règles Internationales de la
Nomenclature; famille Nymphalidae, Swainson, 1827.
Rev. Franç. de Lépidoptérologie 12:329-334. (Cont.) Ref.
Nov./Dec. 1950. 421 P192
- 77859 BERNARDI, G., and STEMPFFER, H. Note sur
quelques Rhopalocères (Lep.) recueillis par P. de Miré au
Tibesti et au Mortcha. Soc. Ent. de France. B. 56:47-48.
1951. 420 F84B
- 77860 BETZ, J. T. Deuxième note sur *Boloria*
aquilonaris Stch. et *Argynnis aphirape* Hbn., dans les
Ardenes françaises. Rev. Franç. de Lépidoptérologie 12:
335-337. Nov./Dec. 1950. 421 P192
- 77861 BOHM, H. Die kirschblütenmotte [*Argyresthia*
ephippella]. Bundesanst. f. Pflanzenschutz. Flugbl. 71, 1 p.
1951. 464.9 V672F
- 77862 BOURGOGNE, J. Expériences d'hybridation
dans le genre *Fumea* (Lep. Psychidae). Soc. Ent. de
France. B. 55:68-73. 1950. 420 F84B
- 77863 CURTIS, W. P. *Epischia banksiella* Rich.
(Lep. Phycitidae). Soc. Brit. Eng. J. 3:278-279. Apr. 26,
1951. 420 En85J
- 77864 DIAKONOFF, A. Records and descriptions of
microlepidoptera. 4. *Treubia* 21:133-182. Apr. 25, 1951.
410 T72
From Indonesia.
New species in *Epagoge*, *Astrosa* n.g., *Taeniarchis*,
Spatalistis, *Schoenotenes*, *Agriothera*, and *Nemophora*.
- 77865 EVANS, W. H. A rearing house for Lepidoptera.
Lepidopterists' News 5:12-13. 1951. 421 L554
- 77866 FIELD, W. D. Moths of the genus *Paramulona*
Hampson. U. S. Natl. Mus. Proc. 101:489-496. 1951.
500 Sm65P
- 77867 FLOCH, H., and CONSTANT, Y. Notes sur la
symptomatologie et la thérapeutique de la papillonite
guyanaise. Soc. de Path. Exot. B. 44:178-181. 1951.
448.9 Sol3
Dermatitis due to the butterfly *Hylesia urticans*.
- 77868 FORBES, W. T. M. Footnote on *Papilio*. Lepi-
dopterists' News 5:16. 1951. 421 L554
- 77869 GABOTTO, L. Necessity for resuming the
fight against the grape endemist moth [*Polychrosis*
botrana]. (In Italian.) Colt. e Gior. Vinic. Ital. 97:131-
132. May 15, 1951. 16 C72
- 77870 GISH, N. R. Filbert worm [*Melissopos lati-*
ferreanus] triple threat pest takes on two renegade part-
ners. Nowest. Nut Bowl 2(12):1, 6. June/July 1951.
94.68 N81
- 77871 GIULIANELLI, E. *Carpocapsa pomonella*. (In
Italian.) Agr. Romagn. 9:2. May 5, 1951. 16 Ag828
- 77872 GOMEZ CLEMENTE, F. Estudios de lucha
natural contra "Earias insulana." Spain. Estac. de Fitop-
atol. Agr. B. de Patol. Veg. y Ent. Agr. 17:83-95. 1949,
pub. 1950. 464.9 M26
- 77873 GOMEZ CLEMENTE, F., and PLANES GARCIA,
S. Experiencias de lucha contra el gusano de las capsulas
del algodonoero *Earias insulana* (Boisduval). Spain. Estac.
de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:243-
259. 1949, pub. 1950. 464.9 M26
- 77874 GONTARSKI, H. Einiges zur physik und che-
mie der wachsmottenbekämpfung [*Galleria mellonella*].
Hess. Biene 86:235-237. Feb. 1951. 424.8 B476
- 77875 GRIOT, M. La lucha biológica contra el bicho
de cesto [*Oiketicus kirbyi*] y la posibilidad de su empleo.
Cien. e Invest. 7:195-202. May 1951. 475 C482
Parasites mentioned: *Tetrastichus pseudoeeticicola*,
Allocota bruchi, *Psychidomicroa brasiliensis*, *P. brethesi*,
Balcarcia bergi, and *Plagiotachina caridei*.
- 77876 HINTON, H. E. Myrmecophilous Lycaenidae
and other Lepidoptera—a summary. So. London Ent. &
Nat. Hist. Soc. Proc. & Trans. 1949/50:111-175. Ref.
Apr. 1949. 420 So8
- 77877 JANCKE, O. Die kirschblütenmotte [*Argyres-
thia ephippella*]. Biol. Bundesanst. Braunschweig. Flugbl.
K7, 4 p. Sept. 1950. 464.9 B833
- 77878 KING, H. *Heliothis armigera* (Hb.) (Lep.
Caradrinidae) in Dorset. Soc. Brit. Ent. J. 3:279.
Apr. 26, 1951. 420 En85J
- 77879 KIRIAKOFF, S. G. Sur la classification et la
phylogénie de la superfamille Notodontoidea (F. d'Al-
meida) Kiriaeff (Lépidoptères). Soc. Ent. de Belg. B. et
Ann. 86:236-255. Ref. Dec. 28, 1950. 420 B41
- 77880 LAAN, P. A. VAN DER, and ANKERSMIT, G. W.
Chemical control of the *Arachis* leaf miner (*Stomopteryx*
subsecivella Zell.). Indonesia. Gen. Agr. Res. Sta. Contrb.
119, 13 p. Feb. 1951. 109.5 Ea73
- 77881 LE MARCHAND, S. Captures intéressantes.
Rev. Franç. de Lépidoptérologie 12:334-335. Nov./Dec.
1950. 421 P192
Euxanthus sanguisorbana; *Scleroconia acutellus*.
- 77882 LEMPKE, B. J. The generic nomenclature of
our small armorbearers. (In Dutch.) Ent. Ber. 13:262-
265. May 1, 1951. 420 N38B
Clostera and *Pygaera*.
English summary.
- 77883 LINARDOS, P. Observations sur la biologie et
la lutte contre l'eudémis [*Polychrosis botrana*] en Grèce.
Off. Internat. du Vin. B. 24(244):113-114. June 1951.
390.8 B87
- 77884 LLOYD, N. C. Control of potato moth [*Gno-
rimoschema operculella*]; promising results with DDT.
Agr. Gaz. N. S. Wales 62:237-240. May 1, 1951. 23 N472

- 77885 MARSHALL, G. E., and KELSO, V. The oriental fruit moth [*Grapholitha molesta*] takes a licking. *Hoosier Hort.* 33:6-9. Jan. 1951. 81 In2H
- 77886 MENZEL, R. Zum auftreten des traubenwicklers [*Conchylis ambiguella*]. *Schweiz Z. f. Obst- u. Weinbau* 60:302-303. Aug. 11, 1951. 80 Sch9
- 77887 MERRIFIELD, J. Till to kill the borer [*Pyrausta nubilalis*]. *Ford Farming* 4(3):8-9. Summer 1951. 58.8 F752
- 77888 MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. DELTA BR. The bollworm [*Pectinophora gossypiella*] problem—how to discover and remedy the situation when found. *Cotton Digest* 23(46):12. Aug. 4, 1951. 286.82 C822
- 77889 MÖLLER, H. Einige physikalisch-chemische Grundlagen zur Anwendung und technischen Verarbeitung von mottenbekämpfungsmitteln. *Selken-Öle-Fette-Wachse* 77:267-270. (Cont.) May 23, 1951. 307.8 Se4
- 77890 MUNROE, E. Field notes on the butterflyes of Knob Lake, northern Quebec. *Lepidopterists' News* 5:7-9. 1951. 421 L554
- 77891 MUNROE, E. G. North American Pyraustinae: notes and descriptions (Lepidoptera: Pyralidae). *Canad. Ent.* 83:161-169. Ref. July 1951. 421 C16
- New species and forms in *Pyrausta*, *Titanio*, and *Noctuella*; also *Cylindrifrons*, n.g.
- 77892 NIEL, L. L. Ensayos realizados en el control de orugas varias de la alfalfa. *Cent. Region. Pampeano de Invest. Agropecuarias. Mem. de la Reunión de Plantas Forrajeras* 3:27-31. 1950. 60.9 P41
- Includes discussion.
- 77893 OBRAZTSOV, N. Two new Palearctic genera [*Eucosmomorpha*; *Cirriphora*] of the tribe Laspeyresini (Lepidoptera, Tortricidae). *Tijdschr. v. Ent.* 93:99-100. 1950, pub. Mar. 20, 1951. 421 T21
- 77894 OLBERG, G. So tarnt sich der vogelgeschmeiss-falter. *Orion* 6:520. July 1951. 474 Or4
- Abraxas sylvata*.
- 77895 ÖSTLUND, R. Butterflies in Gästrikland. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. *Natur i Gästrikland*, p. 102-106. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432
- 77896 PATOČKA, J. La géometride Cheimatomia [i.e. Operophtera] brumata — le ravageur dangereux des frênes en Slovaquie. (In Czech.) *Lesn. Práce* 29:479-483. Dec. 1950. 99.8 L56
- French summary.
- 77897 PIEPHO, H., and MEYER, H. Reaktionen der schmetterlingshaut auf häutungshormone. *Biol. Zentbl.* 70:252-260. Ref. 1951. 442.8 B523
- Experiments with the caterpillars of *Galleria mellonella*.
- 77898 RATH, Der apfelwickler (*Carpocapsa pomonella*). *Gart.-Z. Illus. Flora* 74:44-46. Apr. 1951. 80 G1991
- 77899 RAWSON, G. W. Biology of the butterflyes, chiefly of the Michigan region. (Abs.) *N. Y. Ent. Soc. J.* 59:124. June 1951. 420 N48J
- 77900 REMINGTON, C. L. Marking North American Lepidoptera. *Lepidopterists' News* 5:9. 1951. 421 L554
- Migration studies.
- 77901 RICCI, D. DE. Premier contact avec la faune tropicale. *Rev. Franç. Lépidoptérologie* 12:321-328. Nov./Dec. 1950. 421 P192
- 77902 RISBEC, J. Importance systématique de l'étude des chrysalides. *Conf. Internat. des Africanistes de l'Ouest. Compt. Rend.* 1(1):305-316. 1945, pub. 1950. 515 C762C
- 77903 RIVERO, J. M. DEL. Contribución al conocimiento de los medios de lucha contra la piral de la vid (*Sparganothis pilleriana* Schiff.) Spain. *Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr.* 17:261-290. Ref. 1949, pub. 1950. 464.9 M26
- 77904 RUI, D. Integral control of the apple worm [*Carpocapsa pomonella*]. (In Italian.) *Agr. delle Venezie* 5:376-377. July 1951. 16 Ag826
- 77905 SALVATERRA, G. Cacoecia rosana, L. (In Italian.) *Italia Agr.* 88:355-361. June 1951. 16 It1
- 77906 SARTORI, G. Apple and pear worms. (In Italian.) *Seme* 2:142-143. June 1950. 16 Se5
- Carpocapsa pomonella* in Italy.
- 77907 SPEYER, W. Beitrag zur bekämpfung des erbsenwicklers (*Laspeyresia nigricana* Steph.). *Nachrl. des Deut. Pflanzenschutzdienstes* 3:38-40. Mar. 1951. 442.9 B832
- 77908 STEINHAUS, E. A. Pest control by bacteria; alfalfa caterpillar [*Colias philodice eurytheme*] in field reduced to sub-economic levels within two days by bacillus applied as spray. *Calif. Agr. [Calif. Sta.]* 5(6):5. June 1951. 100 C12Cag
- Bacillus thuringiensis*.
- 77909 STEMPFFER, H. Description de quelques Lycaenidae (Lep.) nouveaux de la faune éthiopienne. *Soc. Ent. de France. B.* 56:66-71. 1951. 420 F84B
- New species in *Liptena*, *Hewitsonia*, and *Lepidochrysops*.
- 77910 TRAVASSOS, L. Contribution to the knowledge of the Arctiidae. XXIII-XXIV. (In Portuguese.) *Rev. Bras. de Biol.* 11:43-47, 181-187. Feb., June 1951. 442.8 R326
- XXIII, Genus *Puritus* Walker, 1855; XXIV, On the genus *Evlus* Walker, 1855.
- 77911 VAN SON, G. Three new species of Thestor Hübn. (Lepidoptera—Lycaenidae) from the Western Cape Province. *Transvaal Mus. Ann.* 21:439-445. July 6, 1951. 515 T68
- 77912 VARIN, G. Contribution à l'étude des races des Satyridae de France et d'Afrique du Nord. *Rev. Franç. de Lépidoptérologie* 12:341-352. (Cont.) Nov./Dec. 1950. 421 P192
- Melanargia* spp.
- 77913 VASHCHINSKAIA, N. V. Mineral oil and DDT—a combined insecticide for the control of apple tree and fruit moth [*Hyponomeuta variabilis*]. (In Russian.) *Akad. Nauk Armianskoj SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:727-732. 1950. 20 Er4
- 77914 VERBEKE, J. *Dioryctria mutata* Fuchs, nuisible au pin sylvestre. *Soc. Ent. de Belg. B. et Ann.* 86:205. Nov. 4, 1950. 420 B41
- 77915 VIETTE, P. Supplément au catalogue des Lépidoptères Hétérocères de l'Océanie française. *Soc. Ent. de France. B.* 56:14-16. 1951. 420 F84B
- New form in *Asota*.
- 77916 VIETTE, P. Les types de Tinéides de Constant. *Rev. Franç. de Lépidoptérologie* 12:337-341. Nov./Dec. 1950. 421 P192
- See also Sericulture and the Silkworm.

ORTHOPTERA

- 77917 BRETT, C. H., MURPHEY, M., JR., and REINKING, R. B. Grasshopper toxins: a comparison of eleven materials. *Kans. Ent. Soc. J.* 24:112-116. July 1951. 420 K13
- 77918 CANIZO, J. DEL, and MORENO, V. Biología y ecología de la langosta mediterránea o marroquí (*Dociostaurus maroccanus* Thunb.). Spain. *Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr.* 17:209-242. Ref. 1949, pub. 1950. 464.9 M26
- 77919 CONSTANTIN, J. Role du temps de contact de la surface et de la zone traitée dans les effets toxiques de l'isomère gamma du H.C.H. sur *Gryllulus domesticus* L. [i.e. *Acheta domestica*]. *Rev. de Path. Vég. et d'Ent. Agr. de France* 29:213-225. Dec. 1950. 464.9 Sol
- 77920 ELLIS, P. E. The marching behaviour of hoppers of the African migratory locust (*Locusta migratoria migratorioides* R. & F.) in the laboratory. *Brit. Mus. (Nat. Hist.) Anti-Locust B.* 7, 46 p. Ref. 1951. 420 B772A
- 77921 ENGEL, H. Orphanina (*Polysarcus*) denticauda Charp. als schadinsekt in der Baar. *Z. f. Pflanzenbau u. Pflanzenschutz* 2:22-41. Ref. 1951. 464.8 P88
- 77922 HAGEMAN, D. C. Notes on the distribution and habits of the two species of Arphia (Orthoptera, Acrididae) that occur in New Jersey and New Jersey. *N. Y. Ent. Soc. J.* 59:111-114. June 1951. 420 N48J
- A. sulphurea*; *A. xanthoptera*.
- 77923 HANDFORD, R. H., and PUTNAM, L. G. Grasshopper control. Canada. *Sci. Serv. Div. Ent. Processed P.* 115, 20 p. Feb. 1951. 423.92 C16P
- Chiefly on *Melanoplus mexicanus mexicanus*, *M. bivittatus*, and *Camnula pellucida*.
- 77924 HUGHES-SCHRADER, S. The chromosomes of mantids (Orthoptera: Mantidae) in relation to taxonomy. *Chromosoma* 4:1-55. Ref. 1950. 442.8 C46
- 77925 JOVER, H., and BRENIERE, J. Recherches sur le mode d'action du H.C.H. (isomère gamma) en tant qu'insecticide de contact sur le grillon domestique: *Gryllulus domesticus* L. [i.e. *Acheta domestica*]. *Rev. de Path. Vég. et d'Ent. Agr. de France* 29:195-212. Ref. Dec. 1950. 464.9 Sol
- 77926 LAL, K. B. Food plants of the desert locust [*Schistocerca gregaria*]. *Cur. Sci.* 20:165-166. June 1951. 475 Sci23
- 77927 LHERITIER, G. Blattes et grillons. *Entomologiste* 7:29-30. Jan./Feb. 1951. 421 En814
- Cockroaches replacing crickets as household pests.
- 77928 LOGOTHETIS, C. Pruebas preliminares del control de la langosta con aldrin. *Mensajero Agr.* 57/58:33-34, 48-50. Jan./Feb. 1951. 9.8 M52

- 77929 LORDELLO, L. G. E. Contribution to the knowledge of the chromosomes of Brazilian Orthopters. I. Observations on the spermatogenesis of *Hyperophora* sp. (Tettigoniodea, Phaneropteridae). (In Portuguese.) *Dusenla* 2:131-136. Mar.31,1951. 410 D94
English summary.
- 77930 MAKOU, G. Les Acrididae de Azerbaidjan. (In Persian.) Iran. Dept. des Rech. Agron. Lab. Ent. et Phytopath. Appl. 10:11-22. Oct.1950. 464.9 P432
French summary, p.3-11.
- 77931 MALLAMAIRE, A. Observations biométriques concernant le criquet pelerin (*Schistocerca gregaria* Forsk) en Afrique Occidentale Française. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(1): 252-258. 1945, pub.1950. 515 C762C
- 77932 MATTHEE, J. J. The structure and physiology of the egg of *Locustana pardalina* (Walk). Union So. Africa. Dept. Agr. Sci. B. 316,83 p. Ref. 1951. 24 So84S
- 77933 MISRA, S. D., NAIR, K. R., and ROONWAL, M. L. Dynamics of eye-stripe composition, biometrical ratios and certain other characters during phase transformation in the desert locust [*Schistocerca gregaria*]. *Cur. Sci.* 20:164-165. June 1951. 475 Sci23
- 77934 MOORE, L. H. Grasshoppers pose threat again in certain areas of New Mexico. *N. Mex. Agr. Col. Ext. News* 31(5):5. May 1951. 275.29 N463Ex
- 77935 OKAY, S. Formation of green pigment in grasshoppers. *Nature [London]* 168:254. Aug.11,1951. 472 N21
- 77936 PORRAS MENDIETA, N. Algunas observaciones sobre el chichimeco (*Alagrus simplex*). *Comt. Nac. del Café. B.* 5:446-447. Feb./Mar.1951. 68.29 C732
- 77937 RISBEC, J. Au sujet du complexe biologique des pontes de mantes. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(1):299-302. 1945, pub.1950. 515 C762C
Hymenoptera as parasites on Mantidae.
- 77938 VOY, A. Croissance régénératrice au cours des cinq âges de la phase larvaire chez le Phasme (*Carausius morosus* Br.). *Acad. des Sci. Compt. Rend.* 233: 209-211. July 9,1951. 505 P21
- 77939 VOY, A. Etude de la croissance chez deux espèces d'Orthoptéroïdes: *Blatta orientalis* L. (Blattidae), *Carausius morosus* Br. (Phasmidae). *B. Biol. de la France et de la Belg.* 85:237-266. Ref. Second Q.1951. 473 B87
- 77940 WILKINS, O. P., and BRELAND, O. P. Notes on the giant walking stick, *Megaphasma denticrus* (Stal) (Orthoptera: Phasmatidae). *Tex. J. Sci.* 3:305-310. Ref. June 30,1951. 470 T31
- 77941 WILLEMSE, C. Description of a new genus and species of Acrididae, subfam. Acridinae, from India. *Ent. Ber.* 13:279-280. June 1,1951. 420 N38B
Paraphlaeobida.
- SERICULTURE AND THE SILKWORM**
- 77942 KANDA, Y. On the structures of fibrous proteins. II. New polypeptide structures of β - and feather-keratins, and three silk-fibroins of *Bombyx mori*, *Saturnia pyri* and *Antheraea mylitta*. *Chem. Soc. Japan.* B. 23:142-146. Ref. Oct.1950. 385 T57B
- 77943 MONTANARI, F. Protection of silkworm culture. (In Italian.) *Agr. Ital.* 2:272-275. June 1,1951. 16 Ag822
- 77944 PAVEL'ÉVA, M. S. In regard to changing the bivoltine form of oak silkworm [*Antheraea pernyi*] into monovoltine form. (In Russian.) *Vsesoizn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 16(3):23-28. Ref. 1951. 20 Ak1
- 77945 TONON, A. Raise your silkworms [*Bombyx mori*] carefully; you will have an abundant and excellent product. (In Italian.) *Agr. Romagn.* 9:1-2. May 5,1951. 16 Ag828
- 77946 WELLINGTON, E. F. Amino acids of two insect viruses. *Biochim. et Biophys. Acta* 7:238-243. Ref. July 1951. 381 B522
Bombyx mori and *Cacoecia murinana*.
- SMALLER ORDERS**
- 77947 ANANTHAKRISHNAN, T. N. Female pupa of *Dinothrips sumatrensis* Bagnall. *Cur. Sci.* 20:163-164. June 1951. 475 Sci23
- 77948 ARMAND, J. E. The onion thrips [Thrips tabaci]. *Canada. Sci. Serv. Div. Ent. Processed P.* 106, 4 p. May 1951. 423.92 C16P
- 77949 AUBERT, J. Plécoptères helvétiques. *Soc. Vaud. des Sci. Nat. B.* 65(273):73-77. 1951. 508 L37
- 77950 BARLET, J. La question des pièces pleurales du thorax des Machilides (Thysanoures). *Soc. Ent. de Belg. B. et Ann.* 86:179-190. Ref. Sept.8,1950. 420 B41
- 77951 BERLAND, L. Notes sur les nids d'Apicoterme (termites) d'Afrique Noire. *Notes Africaines* 49:22-23. Jan.1951. 475 N84
- 77952 BICK, G. H. Notes on Oklahoma dragonflies. *Tenn. Acad. Sci. J.* 26:178-180. July 1951. 500 T25A
- 77953 BORROR, D. J. New records of Maine dragonflies (Odonata). *Ent. News* 62:209-217. July 1951. 421 En88
- 77954 BRINCK, P. The 3rd Danish Expedition to Central Asia. Zoological results 1. Plecoptera (insecta) from Afghanistan. *Dansk. Nathist. For. Vidensk. Meddel.* 112:133-138. 1950. 502 D232
New species in Perlodes.
- 77955 BUCHLI, H. Les potentialités évolutives des castes chez le *Reticulitermes* de Saintonge (Rhinotermitidae). *Acad. des Sci. Compt. Rend.* 233:206-208. July 9,1951. 505 P21
- 77956 CHAUDONNERET, J. La morphologie céphalique de *Thermobia domestica* (Packard) (insecte aptérygote thysanoure). 2. *Ann. des Sci. Nat. Zool. et Biol. Anim. (ser.11)* 12:257-302. Ref. 1950. 410 An7
- 77957 COLLART, A. Un psocoptère nouveau pour la faune de Belgique: *Dorypteryx pallida* Aaron. *Soc. Ent. de Belg. B. et Ann.* 86:169-170. Sept.8,1950. 420 B41
- 77958 CONDE, B., and PAGÉS, J. Un Japygidé nouveau d'Algérie. *Soc. Ent. de France. B.* 55:73-76. 1950. 420 F84B
In Japyx.
- 77959 DUDZIAK, J. Experiments on the plasticity of instinct in *Phryganea obsoleta* McLach (Trichoptera). (Abs.) *Akad. Umiej. Wydz. Mat.-Przyrodniczy. Compt. Rend.* 1950(4/5):17-18. Apr./May 1950. 512 K85C
- 77960 FRASER, F. C. Notes on Odonata in the Museum National d'Histoire Naturelle; with descriptions of a new species and a new zygoterous nymph [*Sapho ciliata*]. *Rev. Franç. d'Ent.* 18:93-101. 1951. 421 R323
New species and forms in *Xiphagrion*, *Sleuthemis* n.g., and *Umma*.
- 77961 HARWELL, J. E. Notes on the Odonata of northeastern Texas. *Tex. J. Sci.* 3:204-207. June 30, 1951. 470 T31
- 77962 HINCKS, W. D. Notes on some species of *Nesogaster* (Dermaptera, Labiidae). *Ann. & Mag. Nat. Hist. (ser.12)* 4:562-576. June 1951. 410 An77
- 77963 HOUTMAN, G. *Iestes virididis* Vanderl. (In Dutch.) *Ent. Ber.* 13:259. May 1,1951. 420 N38B
- 77964 KNOWLTON, G. F., and COULAM, J. Termite control. *Utah. State Agr. Col. Ext. B.* 223,2 p. June 1951. 275.29 Utl
- 77965 LHOSTE, J. Étude cytologique et histochimique du tissu adipeux de l'imago de *Forficula auricularia* L. *Ann. des Sci. Nat. Zool. et Biol. Anim. (ser.11)* 12: 471-484. Ref. 1950. 410 An7
- 77966 LIEFTINCK, M. A. The identity of some Malaysian species of *Ceragrion*, with descriptions of two new species (Odon.). *Treubia* 21:183-197. Apr.25, 1951. 410 T72
- 77967 LINK, V. B. Plague. *Amer. J. Trop. Med.* 31: 452-457. July 1951. 448.8 Am33
Occurrence in the United States; role of rodents and fleas (*Xenopsylla cheopis* and *Monopsyllus wagneri*) in transmission.
- 77968 MARLIER, G. Une famille de Trichoptères nouvelle pour l'Afrique: les *Stenopsychidae*. *Soc. Ent. de Belg. B. et Ann.* 86:207-218. Nov.4,1950. 420 B41
With new species in *Stenopsyche*.
- 77969 MARTIN, G. C. Field observations on a chemical crop spray, which may act as a repellent to buck, termites, pig, and possibly, baboons. *Rhodesian Tobacco J.* 2(6):61-63. June 1950. 69.8 R34
- 77970 NEW SOUTH WALES DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Insect pests. *Agr. Gaz. N. S. Wales* 62:187-190. Apr.1951. 23 N472
Termites, *Lymantria reducta*, and *Dolichopodidae*.
- 77971 PORTMAN, R. W., MANIS, H. C., and SCRIVNER, L. H. Hog lice and mange cut swine profits. *Idaho. Agr. Col. Ext. C.* 117, 4 p.-folder. June 1951. 275.29 Id13C
- 77972 REMY, P. A. Presence de l'anoploure *Haematopinus suis* L. sur le potamochère malgache. *Soc. Ent. de France. B.* 55:76-78. 1950. 420 F84B
- 77973 RICHARD, G. Le phototropisme du termite à cou jaune (*Calotermes* [i.e. *Kalotermes*] *flavicollis* Fabr.) et ses bases sensorielles. *Ann. des Sci. Nat. Zool. et Biol. Anim. (ser.11)* 12:485-603. Ref. 1950. 410 An7

- 77974 RICKETTS, V. L. Dogs: fleas and skin troubles. *All-Pets Mag.* 22(7):38-40. July 1951. 48.8 AL5
- 77975 SHANAHAN, G. J. Fogging with DDT and BHC for the control of sheep lice and ked. *Agr. Gaz. N. S. Wales* 62:229-232, 276-278. May 1, 1951. 23 N472
- 77976 SMIT, F. G. A. M. On two African polytypic species of *Leptopsylla* (Siphonaptera). *Tijdschr. v. Ent.* 93:25-40. 1950, pub. Mar. 20, 1951. 421 T21
- 77977 SWAN, D. C., and LOWER, H. F. An interim note on the control of the lucerne flea [*Smynturus viridis*] and red-legged earth mite [*Halotydeus destructor*]. *So. Austral. Dept. Agr. J.* 54:433-434. Apr. 1951. 23 So84
- Pasture pests.
- 77978 TILDEN, J. W. Biological notes on two species of *Chrysopidae* (Neuroptera). *Ent. News* 62:224-226. July 1951. 421 En88
- Chrysopa cockerelli*, C. *ploribunda*.
- 77979 TSVILENEVA, V. A. Neuropile of *Aeschna*. II. Structure of ganglia of the abdominal section. (In Russian.) *Akad. Nauk SSSR. Izv. Ser. Biol.* 2:66-116. *Ref. Mar./Apr. 1951.* 511 Sa2B
- 77980 VERRIER, M. L. Ephéméroptères de Côte d'Ivoire. *Soc. Ent. de France. B.* 56:45-47. 1951. 420 F84B
- Includes new species in *Habrophlebia*.
- 77981 WOJTUSIAKOWA, H. The temperature preference of winter insects of the genus *Boreus* (Panorpatae) and *Chionea* (Diptera). (Abs.) *Akad. Umiej. Wyzd. Mat.-Przyrodniczy. Compt. Rend.* 1950(4/5):18-19. Apr./May 1950. 512 K85C

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 77982 AARTSEN, J. Some practical experiences with regard to building of farm roads. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:206-212. July/Aug. 1951. 12 N282
- 77983 BERGGREN, F. Have fish and fun from your pond. *Hoard's Dairyman* 96:606. Aug. 10, 1951. 44.8 H65
- 77984 BRACE, A. W. Aluminium alloys in agricultural engineering. *Agr. Mach. J.* 5(5):26-27, 38. (Cont.) May 1951. 58.8 Ag86
- 77985 FARRAR, L. D. Don't fall for an accident. *Amer. Fruit Grower* 71(7):13, 23, 25. July 1951. 80 G85
- 77986 GRUBINGER, H. Haben wir gegen einen brand vorgesorgt? *Osterr. Landtech.* 4:145-147. May 1951. 58.8 L236
- 77987 HEANEY, G. F. Land surveying in India. *Roy. Inst. Chartered Surveyors J.* 31:77-89. July 1951. 282.9 C38J
- 77988 HÖEG, H. Precautionary measures against fire hazards in farm buildings. (In Danish.) (Sum.) *Tidsskr. f. Landøkon.* 7:315-329. July 1951. 11 T43
- 77989 KANSAS. STATE BOARD OF HEALTH. DIV. OF VITAL STATISTICS. Report of agricultural accident mortality in Kansas, 1950. n.p., 1951? 16 p. 449.9 K13
- 77990 KENNEDY, V. D., and BROWN, O. K. Plan your farm for good farm living—home, farmstead, fields. *Idaho. Agr. Col. Ext. B.* 186, 19 p. May 1951. 275.29 Id13
- 77991 KITCHING, H. W. Farm lightning protection. *Farmer's Mag.* 48(6):11, 40-41. June 1951. 7 C165
- 77992 LOESCH, M. L. Big fish from little ponds. A farm pond is like a pasture. If you overstock either, you hurt it. *Prog. Farmer, Tex. Ed.* 66(8):18. Aug. 1951. 6 T311
- 77993 NETSCHERT, E. Fahrlässige brandstiftung? *Deut. Landwirt. Presse* 74:163-164. June 16, 1951. 18 D482
- Hay.
- 77994 NEUBAUER, W. Wie werden bauliche einrichtungen im landwirtschaftlichen betrieb gegen unfälle gesichert? *Pflug* 4:129-130. June 1951. 19 P48
- 77995 RENARD, P. J. J. Prospection agricole élémentaire. *Belgium. Min. des Colon. B. Agr. du Congo Belge* 42:271-282. June 1951. 24 K83
- 77996 SCHERUGA, F. Hebelverschlussrohre für regner- und gülleanlagen. *Osterr. Landtech.* 4:155-156. May 1951. 58.8 L236
- 77997 SWANSON, R. C. The Wisconsin approach. *Farm Safety Rev.* 9(4):4-5. July/Aug. 1951. 449.8 F22
- 77998 TRUMP, F. It could happen to you. *Mich. Farmer* 216:37, 45. July 21, 1951. 6 M58
- Farm accidents.
- 77999 WILKINS, J. W. Plan farmsteads for profits. *Carolina Farmer* 6(7):8-9, 22-23. July 1951. 6 C223

FARM MACHINES AND EQUIPMENT

- 78000 ALFELD, E. Ein bauer hilft sich selbst. *Neue Mitt. f. die Landwirt.* 6:336-337, 372-373. May 26-June 2, 1951. 18 N39
- Equipment and mechanization.
- 78001 ALVAREZ ESTEBAN, J. Para mejorar la agricultura de Navarra se necesitan más maquinaria y nuevos regadíos. *Aliment. Nac.* 11(190):4-5, 16. Apr. 25, 1951. 389.8 AL42
- 78002 BAKER, V. Mechanization and efficiency. *Farm Mech.* 3:323-325. Aug. 1951. 58.8 B772
- 78003 BALLU, T. Oú nous mène le développement incessant du machinisme agricole? *Acad. d'Agr. de France. Compt. Rend.* 37:231-239. Apr. 11, 1951. 14 P215Bc
- Includes discussions.
- Also in *Nord Agr.* 7(35):3; (36):5; (37):2. June 29-July 13, 1951. 14 N75
- 78004 BANDINI, M. Machines and agriculture. (In Italian.) *Agr. Ital.* 2:202-206. Apr. 15, 1951. 16 Ag822
- Mechanization in Europe and Italy.
- 78005 BARATTE, La vitesse en motoculture. *Acad. d'Agr. de France. Compt. Rend.* 37:329-330. May 30, 1951. 14 P215Bc
- 78006 BILLINGS, T. W. Machinery and supplies. *Noeast. Dairy Conf. Annu. Rpt.* 16:27-30. 1951. 44.9 N818
- Farm equipment.
- 78007 BISSOT, M. Les coopératives d'utilisation de matériel agricole. *Inst. Prov. de Coop. Agr. B.* 6:30-42. June 1951. 280.29 L62
- Belgium.
- 78008 BJERNINGER, S. Nytt om rostskydd för lantbruksmaskiner [News about rust free agricultural machines]. *Jordbrtek. Inst. C.* 7, 7 p. 1951. 58.9 J762C
- 78009 BLASCH, J. Genossenschafts- oder eigenmaschine? Zur mechanisierung im kleinbetrieb. *Osterr. Landtech.* 3:318-319. Dec. 1950. 58.8 L23
- 78010 BLASCH, J. Die landwirtschaftliche ausstellung in Kitzbühel—ein beispiel. *Osterr. Landtech.* 3:300-302. Nov. 1950. 58.8 L236
- Chiefly equipment.
- 78011 BONA, T. Let us mechanize agriculture. (In Italian.) *Seme* 2:224-225. Oct. 1950. 16 Se5
- Italy.
- 78012 BRENNER, Die technisch-wissenschaftliche forschung auf der landwirtschaftswoche Hannover. *Landmasch.-Rundschau* 3:58. Mar. 1951. 58.8 L237
- 78013 BRITTON, D. K. Raising farm production in Britain; to save dollars United Kingdom farmers are using more and more machinery and new types of labor-saving equipment. *Family Herald & Wk. Star* 82(24):3, 15. June 14, 1951. 7 F21
- 78014 CARENA, A. Mechanization in fruit culture. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:188-199. 1949, pub. 1950. 93.09 C769
- English summary.
- 78015 CORREA, A. A. M. Training center for rural engineering and agricultural mechanization. (In Portuguese.) *Chacaras e Quintais* 83:720-722. June 15, 1951. 9.2 C34
- Brazil.
- 78016 CULPIN, C. Farm mechanization: costs and methods. London, Lockwood, 1951. 147 p. (Agricultural and Horticultural Series) 281.171 C89
- 78017 DAVIES, C. Mechanization in the Eastern Counties. *Gt. Brit. Min. Agr. Agriculture* 58:183-186. July 1951. 10 G79J
- 78018 DELASNERIE, J. Après le XXIII^e Salon de la Machine Agricole. *Monit. de la Mecan. Rur.* 44:93, 95-96. Mar. 1951. 58.8 M74
- 78019 DUFOUR, A. La mécanisation agricole au Togo. *Marchés Colon.* 7:1795, 1797-1798. June 30, 1951. 286.8 M33
- 78020 EBERTZ, K. Die landtechnik auf der 41. DLG-Wanderausstellung. *Neue Mitt. f. die Landwirt.* 6:323-327. May 26, 1951. 18 N39

- 78021 ENGELHARD, J. Il faut moderniser ou se résigner à voir disparaître la 5ème tranche des exploitations agricoles. *Motorisation Agr.* 6:195,197,199,201,203, 205,207. Mar.1951. 58.8 M85
Mechanization in France.
- 78022 FAHRINGER, F. Die landtechnik auf der DLG in Hamburg. *Kärntner Bauer* 101:358-363. July 1,1951. 19 K14
Equipment show.
- 78023 FERRARI, P. V. Alignment of the equipment industry to the present problems of chemical and agricultural production. (In Italian.) *Rass. Chim.* 2(6):16-17. Nov./Dec.1950. 385 R18
Italy.
- 78024 FISCHER, G. Der anteil der deutschen ost-provinzen an der entwicklung der landmaschinentechnik. *Übersicht* 2(2):20-23. Apr.1951. 18 Ub3
- 78025 FONDARD, L. La motorisation des machines agricoles. *Réveil Agr.* 60:210-211. July 15,1951. 14 R322
- 78026 GALIARDO, J. A. Mecanización agrícola en la provincia. *Badajoz. Diputación Prov. B. de Inform. Agr. y Ganad.* 9(83):3-5;(84):3-4;(85):3-7. Jan.-Mar.1951. 15 B14
- 78027 GAURY, C. Le XXIII^e salon de la machine agricole. *Agron. Trop.* 6:294-297. May/June 1951. 26 Ag86
France.
- 78028 KANZ, N. Gedanken zur berg-selltechnik. *Kärntner Bauer* 101:387-388. July 7,1951. 19 K14
- 78029 KELLER, H. Lebende maschinenkunde. *Österr. Landtech.* 3:328-331. Dec.1950. 58.8 L236
- 78030 KLEIMANN, Die landmaschinen auf der DLG-ausstellung. *Landwirt. Z. der Nord-Rheinprov.* 118:427-429. May 19,1951. 18 L2344
- 78031 LARUE, P. Evolution de la machine agricole en Algérie. *Monit. de la Mecan. Rur.* 44:99. Mar.1951. 58.8 M74
- 78032 LINDFORS, P. E. Some words on belts. (In Swedish.) *Labor [Helsingfors]* 35:7-8. Feb.5,1951. 20 L11
For agricultural machinery.
- 78033 MACÍAS, P. E. La mecanización agrícola en Manabí. *Manabí, Ecuador. Consorcio de Cent. Agr. B.* 12(65):12-14. Jan./Mar.1951. 9.5 M31
- 78034 MAYNE, J. E. Mechanization in primitive agriculture. *Brit. Agr. B.* 4:95-100. July1951. 10 B776
In the wet tropical areas where peasant resistance to mechanization is high.
- 78035 MOSTI, A. Agricultural mechanization in the Province of Spezia. (In Italian.) *Spezia Agr.* 6(5):2. May 1,1951. 16 Sp3
- 78036 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. Report RT 38-39. West Park, Silsoe, 1950. 2v. 58.9 N214R
Reports on tests of various agricultural equipment made in cooperation with the Scottish Machinery Testing Station.
- 78037 POUILLAIN, H. La mécanisation de l'exploitation familiale. *France. Min. de l'Agr. B. Tech. d'Inform.* 58:291-292. Apr.1951. 14 F844B
- 78038 PREUSCHEN, G. Auf bäuerliche mechanisierung konzentrieren! *Neue Mitt. f. die Landwirt.* 6:312-313. May 19,1951. 18 N39
Germany.
- 78039 PREUSCHEN, G. Landmaschinen auf der Mailänder messe. *Tech. f. Bauern u. Gärt. Ausg. A* 3:311. May 25,1951. 58.8 T223
- 78040 REHRL, K. Gleitlager und ihre behandlung. *Österr. Landtech.* 4:5-8. Jan.1951. 58.8 L236
- 78041 REHRL, K. Der ketten- und keilriementrieb. *Österr. Landtech.* 4:121-123. Apr.1951. 58.8 L236
- 78042 REHRL, K. Stahl und eisen. *Österr. Landtech.* 4:147-148. May 1951. 58.8 L236
For equipment.
- 78043 SCHRÖDER, H. Rückblick auf die maschinen-ausstellung während der DLG-Schau. *Landpost* 5(27):2. July 7,1951. 18 L2348
- 78044 SIECK, K. A. The machinery exhibition in Hamburg. (In Danish.) *Tolvmandsbladet* 23:202-205. July 1951. 11 T58
- 78045 VADE, S. Pour motoriser-mécaniser rationnellement l'horticulture. *Vie à la Campagne* 40:155-159. Apr.1951. 80 V67
- 78046 WAECHTER, H. VON. Motorisierung der kleinen betriebe—ein schwieriges problem. *Allgäuer Bauernbl.* 19:363. July 5,1951. 18 AL53
- 78047 WALTERS, F. R. The laggard farm equipments. *Mag. Wall St.* 88:510-511,524-525. Aug.11,1951. 286.8 M27
Situation in the industry.
- 78048 WARDROP, G. New machines cut high costs. *Farmer & Stock-Breeder* 65(3220):90-91. July 10,1951. 10 F228
Equipment at the Royal Show, Great Britain.
- 78049 WIEBE, G. Die landtechnik auf der diesjährig-en DLG-Ausstellung. *Übersicht* 2(3):14-15. July 1951. 18 Ub3
- 78050 WRIGHT, S. J., ed. Mechanised farming; a complete handbook for the modern farmer. Ed. 2, rev. London, Esso Petroleum, 1950. 160 p. 58 W93M
- 78051 WUNDERL, A. Die einrichtung der bäuerlichen lehr- und hofwerkstätte. *Österr. Landtech.* 3:302-304. Nov.1950. 58.8 L236

Animal Husbandry Equipment

- 78052 ANDRESEN, N. Die maschine der frau in den klein- und mittelbetrieben. *Landfrauenarbeit* 21:167-170. May 26,1951. 18 L2347
Chiefly on milking equipment.
- 78053 AUSFELDER, H. Feuchtes thermometer u. relative feuchtigkeit im brutapparat. *Kleintierzüchter Tierbörse* 5(9):4. Mar.20,1951. 49 K672
- 78054 BLASCH, Pferdefutterautomat verlängert die nachtruhe. *Österr. Landtech.* 3:265-266. Oct.1950. 58.8 L236
- 78055 BOGGS, L. C. Center roosts. *Washcoegg* 29(2):9,29. July 1951. 47.8 W27
Includes design.
- 78056 COLEMAN, N. Why I changed to roll-away nests. *Eggsaminer* 28(8):2,16. Aug.1951. 286.85 Eg32
- 78057 GALPY, R. Une mise au point sur la traite mécanique. *France. Min. de l'Agr. B. Tech. d'Inform.* 58:281-287. Apr.1951. 14 F844B
- 78058 GARLICH, O. Technische neuheiten. *Deut. Wirtgeflügelzucht.* 3:318-319. Apr.7,1951. 47.8 D483
- 78059 HALL, H. S. The mechanization of milk production. *Brit. Agr. B.* 4:75-79. July 1951. 10 B776
Milking machines, equipment for cooling milk, and sterilizing utensils.
- 78060 HART, F. H. Operation of agitated-air incubators. *Victorian Poultry J.* 37(11):27,29,31. June 1,1951. 47.8 V662
- 78061 HATTER, J. O. Care and cleansing of milking machines. *So. Austral. Dept. Agr. J.* 54:423-427. Apr. 1951. 23 So84
- 78062 HEINSOHN DE BRIGARD, J. Rayos infrarojos en la cria de pollitos. *Agr. Trop.* 6(9):37-40. Sept.1950. 26 Ag8
Brooders.
- 78063 HERREN. Maschinenmelken in bauernbetrieben. *Neue Mitt. f. die Landwirt.* 6:337-338. May 26,1951. 18 N39
Germany.
- 78064 HOWELL, H. B., DENT, W. E., and DORMAN, H. D. A hoof-trimming chute for cattle. *Oreg. Agr. Expt. Sta. C. Inform.* 498,7 p. June 1951. 100 Or3C
- 78065 KEUNE. 11 verschiedene melkmaschinen auf der DLG-Ausstellung. *Unser Milchvieh* 3(7):6. In *Molk.-Ztg.* 5(28). July 12,1951. 44.8 M735
- 78066 KOHLMAYR, N. Melkmaschinen. *Österr. Landtech.* 4:140-144. May 1951. 58.8 L236
- 78067 LE REVERT, R. Une nouveauté intéressante en machine à traire. *Motorisation Agr.* 6:236. Mar.1951. 58.8 M85
Also in *Bouches du Rhône Agr.* 23(1052):17. June 1,1951. 14 B662
- 78068 LINDFORS, P. E. Care of the Benco milking machines. (In Swedish.) *Labor [Helsingfors]* 35(1):5-6; (3):8. Feb.5, Apr.13,1951. 20 L11
- 78069 MCHENRY, S. L. Perfect brooding system still to be invented. Old argument of warm room versus cool room brooding goes on. *Broiler Growing* 2(8):17,51-53. Aug.1951. 47.8 B782
- 78070 MATA LLANA VENTURA, S. Abrevaderos. *Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg.* 2,8 p. Jan.1951. 15 H68
- 78071 ORR, C. W. MRS. Feeders for Angoras. *Amer. Angora News* 4(20/21):3-4. Apr./May 1951. 40.28 Am32
- 78072 PEILLON, A. Ferrure française et ferrure anglaise. *Monit. de la Mecan. Rur.* 44:111-112. Mar. 1951. 58.8 M74
- 78073 POT, P. A. Machine milking. I. (In Dutch.) *Friesch Landbbl.* 48:391. June 1951. 12 F91

- 78074 PRUCHA, N. J. L'entretien des trayeuses mécaniques. Québec Lait. 10(6):48. June 1951. 44.8 Q3
- 78075 SCHROODER, A. Too great a choice in milking machines. (In Dutch.) Zuivelbereiding en -Handel 57:517, 519. July 3, 1951. 44.8 N282
- 78076 SCOTT, L. W. Cleaning of single-unit bucket milking plant. New Zeal. J. Agr. 82:351. Apr. 16, 1951. 23 N48J
- 78077 SOMMER, O. Betrachtungen zur mechanisierung im landwirtschaftlichen betrieb unter besonderer berücksichtigung der melkmaschine. Bad. Landwirt. Wchnbl. 118:305-306. May 19, 1951. 18 B142
- 78078 SULLIVAN, G. H. Piped feed for 5,000 hens; motors and continuous cables solve cage feeding problem. Elect. Farm 24(7):9, 23-24. Aug./Sept. 1951. 335.8 EL27
- Cultivation and Tillage Equipment
- 78079 CATERPILLAR TRACTOR CO. Conservation pays! Peoria, 1951? 22 p. 58 C28C
Chiefly equipment.
- 78080 CHAUX, C. L'emploi du Link basin tiller à la Station Expérimentale d'Arboriculture de Sidi-Aïch. Fruits et Primeurs de l'Afrique du Nord 21:201. June 1951. 80 F9482
- 78081 COLLOMB, C. L'évolution du machinisme agricole en matière de traitement des cultures. Phytoma 4(23):17-19. Feb. 1951. 464.8 P563
- 78082 DEAN, R. For cheaper terracing. Kan. Agr. Student 27(4):18. May 1951. 276.8 K13
Use of a disc terracer.
- 78083 DUDENEY, P. Cross-blocking; faced by the most difficult hoeing season on record, it is surprising how few sugar-beet growers have turned to cross-blocking as a time saver. Farmers Wk. [London] 35(3):47. July 20, 1951. 10 F2226
- 78084 DUGGEN, H. Gartenbaumaschinen auf der DLG. Landpost 5(27):3-4. July 7, 1951. 18 L2348
- 78085 ENGELHARD, J. Essais de modernisation du labour de jardin. Motorisation Agr. 6:339-342. June 1951. 58.8 M85
- 78086 FAULKNER, E. H. If I were a Great Plains wheat farmer. Krause Flying Plowman 5(4):4-5. (Cont.) May 1951. 58.8 F67
Use of Krause one-way disk plow.
- 78087 FOLTINEK, H. Beobachtungen an verhorstmaschinen. Osterr. Landtech. 4:109-111. Apr. 1951. 58.8 L236
Sugar beet cultivators.
- 78088 FREELAND, E. C. Nueva maquinaria y procesos en la industria azucarera. Azucar 1(2):17-19, 21, 23-32. Aug. 1950. 65.8 Az8
- 78089 GAHAN, W. Irish agriculture moves on—the effect of mechanisation on the beet crop. Beet Grower 5:66-69. July 1951. 66.8 B392
- 78090 GAURY, C. La mécanisation de la culture de l'arachide aux États-Unis; note de mission. Agron. Trop. 6:297-303. May/June 1951. 26 Ag86
- 78091 GLERUM, J. C. Wiederkultigen [Weeding hoes]. Inst. v. Landbtech. en Rationalisatie. P. 3, 48 p. Oct. 1950. 58.9 W12
English summary.
- 78092 GONÇALVES, P. A. "Case" farm machinery used in Crowley. (In Portuguese.) Lav. Arroz. 5(50):30, 32. Feb. 1951. 59.8 L39
Rice farming equipment in Louisiana.
- 78093 GRADIN, H. Straw cutter and straw chopper. (In Swedish.) Lantmannen 35:564. July 21, 1951. 11 L234
- 78094 JEZEK, R. E. Transplanting trees from nursery to field; trials of tree digger by U. S. D. A. workers show minimum of labor is required. Tung World 6(2):6-7. June/July 1951. 77.8 T83
- 78095 LIPPMANN, K. Die richtige hacke. Tech. f. Bauern u. Gärt. Ausg. A 3:73-74. Feb. 10, 1951. 58.8 T223
- 78096 MAIER, E. A. A story of sugar cane machinery. Sugar J. 14(3):44-47. Aug. 1951. 65.8 Su391
- 78097 MECHANIZATION of corn culture. (In Dutch.) Stichting v. den Landb. Meded. 6:133-141. May 18, 1951. 12 St5
- 78098 MIGUET, P. La C.U.M.A. [Coopérative d'Utilisation de Matériel Agricole] du Grésivaudan et la culture du maïs. Sol 63:105-107. 1951. 14 So4
- 78099 MUIJZENBERG, E. W. B. VAN DEN. Technische hulpmiddelen in de tuinbouw in Frankrijk. The equipment of horticultural holdings in France. Inst. v. Tuinbouwtech. Meded. 12:99-113. Ref. Feb. 1951. 86 W123
English summary.
- 78100 RYAN, P. The rotary cultivator. Beet Grower 5:109, 111. July 1951. 66.8 B392
- 78101 SCHEFFTER, H. Anbau- oder anhängepflug. Tech. f. Bauern u. Gärt. Ausg. A 3:223-224. Apr. 25, 1951. 58.8 T223
- 78102 SHEWELL-COOPER, W. E. Making a garden pay; machines not only save labour, but can make a big difference to the crop if the weather is bad. Field 198:71. July 14, 1951. 10 F45
- 78103 STEINMETZ, H. Die besten geräte und arbeitsverfahren im selbstversorger-gartenbau. Grundlagen u. Fortschr. im Selbstversorger-Gartbau 7, 64 p. 1950. 80 G92
- 78104 STOCKKLAUSNER, F. Zwei ernten in einem jahr durch vollmaschinellen zwischenfruchtbau. Tech. f. Bauern u. Gärt. Ausg. A 3:253. May 10, 1951. 58.8 T223
Tillage equipment.
- 78105 SUSHKOV, P. F. Experiment of integrated mechanization of potato culture. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok. 12:131-133. 1950. 20 M875
- Fertilizer and Seed Distributors
- 78106 BLUVSHTEIN, I. N. A crowbar for planting grape cuttings. (In Russian.) Sad i Ogorod 2:78. Feb. 1951. 80 Sa13
- 78107 BREITKREUZ, E. R. Fortschrittliche stallmistwirtschaft als arbeitsfeld des lohnunternehmers. Dreschen u. Pflügen 3(11):6-7. Nov. 15, 1951. 58.8 D81
Mechanization.
- 78108 CAMPBELL, J. A. Dropping trials of limestone from Lancaster aircraft. In Scotland. Hill Farm Research Committee. Hill farm research; report, p. 79-93. Edinburgh, Dept. of Agriculture, 1951. 32 Sco3
- 78109 FERGUSON, J. M. The grain drill. Kans. State Col. Agr. Ext. Farm Mach. 2, 6 p. June 1950. 275.29 K13Enf
- 78110 KNELL, K., and SCHERUGA, F. Feingüllemaschine. Osterr. Landtech. 4:156-157. May 1951. 58.8 L236
- 78111 KRALL, J. L. A blade drill for seeding trashy fallow. Mont. Agr. Expt. Sta. C. 194, 11 p. June 1951. 100 M76
- 78112 LEES, A. B. Potato planters halve labour. Farm Mech. 3:1947. May 1951. 58.8 B772
- 78113 PESARO, A. Automotive seed planters. (In Italian.) Agr. Ferrarese 55:15-17. Jan. 31, 1951. 16 Ag87
- 78114 PESARO, A. Interval seed planter. (In Italian.) Agr. Ferrarese 54:269-271. Dec. 31, 1950. 16 Ag87
- 78115 PREUSCHEN, G. Wo bleibt der mistträser? Tech. f. Bauern u. Gärt. Ausg. A 3:235-236. Apr. 25, 1951. 58.8 T223
- 78116 TROPNIKOVA, E. T. Tree planting machine constructed by engineer V. A. Kiselev. (In Russian.) Lesn. Khoz. 4(3):71-72. Mar. 1951. 99.8 L5622
- 78117 VAEDING, N. The seed tables. (In Norwegian.) Norsk Landbr. 17:298. Aug. 3, 1951. 11 N8122
Seed planting with drills.
- 78118 WHITE, R. D. Distribution of fertilizers by aircraft. (In Portuguese.) Seleç. Agr. 6(60):55-57. Apr. 1951. 9.2 Se4
- Harvesting Equipment
- 78119 ARMER, A. Trends in mechanical harvest. Spreckels Sugar Beet B. 15:33-34. July/Aug. 1951. 66.8 Sp7
- 78120 BAREISS, G. Jetzt vorbereitungen für die ernte treffen! Württemb. Wchnbl. f. Landwirt. 118:583-584. July 21, 1951. 18 W96
Discusses harvesting equipment.
- 78121 BARMINGTON, R. D. Leaves stripped from sugar beet plants with a new type machine. Colo. Farm & Home Res. [Colo. Sta.] 1(4):2. Nov./Dec. 1950. 100 C712Co
- 78122 BERG, M., and PERSSON, S. Advice and experiences in combine threshing. (In Swedish.) (Excerpts.) Lantmannen 35:563-564. July 21, 1951. 11 L234
- 78123 BERG, M., and PERSSON, S. Handledning vid skördetröskning. A guide to combine harvesting. Jordbr. tek. Inst. Meddel. 235, 75 p. 1951. 58.9 J762
- 78124 BRENNER, W. G., and GAUS, H. Neue wege im schlepperbau; anmähen der felder auch mit garbenbinder. Tech. f. Bauern u. Gärt. Ausg. A 3:282-284. May 25, 1951. 58.8 T223
- 78125 BRITISH SOCIETY FOR RESEARCH IN AGRICULTURAL ENGINEERING. The Bruner onion harvester; report prepared by E. S. Devine and E. R. Hoare. Silsoe, Bedfordshire, Eng., Natl. Inst. Agr. Engin., 1950. 18 p. 58 B772

- 78126 BULLOCK, E. J. The mechanization of hop-picking in England. *Farm Mech.* 3:221-224. June 1951. 58.8 B772
- 78127 CORSTIAENSEN, W. P. M. Machines voor het rooien van consumptieaardappelen [Machines for digging up consumer potatoes]. *Inst. v. Landbtech. en Rationalisatie*. P. 5,36 p. Nov.1950. 58.9 W12
- 78128 DEREVENKO, V. V. Analysis of basic parameters of working apparatus of the vertical-spindle cylinder [of cotton-harvesting machine]. (In Russian.) *Sel'khoz mashina* 2:12-14. Feb.1951. 58.8 Se42
- 78129 FOLTNEK, H. Beobachtungen an rübenerntemaschinen. Eine arbeitstechnische vorführung. *Österr. Landtech.* 3:291-296. Nov.1950. 58.8 L236
- 78130 FOLTNEK, H. Wir brauchen einen guten kartoffel-vorratsroder. *Österr. Landtech.* 4:18-20. Jan.1951. 58.8 L236
- 78131 FUSSELL, G. E. Threshing: from flail to drum. *Power Farmer* 7:71-72. Aug.1951. 58.8 P872
- 78132 GAUS, H. Garbenbinder- auch zum anmähen der felder! *Neue Mitt. f. die Landwirt.* 6:464-465. July 14,1951. 18 N39
- 78133 GLERUM, J. C. Hooiladers en opraappersen [Hay loaders and hay balers]. *Inst. v. Landbtech. en Rationalisatie*. P. 6,23 p. Nov.1950. 58.9 W12
- 78134 GOETZ, K. Neue gabeltypen für den häckselhof. *Tech. f. Bauern u. Gärt. Ausg. A* 3:77-78. Feb.10, 1951. 58.8 T223
- 78135 HARTZ, G. Fragen um den rechtzeitigen futerschnitt. *Tech. f. Bauern u. Gärt. Ausg. A* 3:254. May 10,1951. 58.8 T223
- Hay harvesting equipment.
- 78136 HAUSNER. Der häckselhof. *Tech. f. Bauern u. Gärt. Ausg. A* 3:77. Feb.10,1951. 58.8 T223
- 78137 HERBSTHOFER, F. Abhilfe gegen körnerbruch. *Österr. Landtech.* 3:318-319. Dec.1950. 58.8 L236
- Chiefly on equipment.
- 78138 HERBSTHOFER, F. Bestimmung der mähdruschverluste. *Österr. Landtech.* 4:119-121. Apr.1951. 58.8 L236
- 78139 HERVE, J. Moissonnage-battage et petite exploitation. *J. de la France Agr.* 7:1621,1624. July 13/19, 1951. 14 J829
- 78140 KILOVSKY, C. DE. Le prix de revient du ramassage mécanique du maïs par la C.U.M.A. [Coopérative d'Utilisation de Matériel Agricole] du bassin de l'Adour. *Sol* 63:110-111. 1951. 14 So4
- 78141 KOLÍASIN, E. A. Testings of cotton-harvesting machines in the districts of irrigated cotton culture. (In Russian.) *Sel'khoz mashina* 2:3-8. Feb.1951. 58.8 Se42
- 78142 KOVGAN, A. P. On speed of air stream capable to destroy unity of cotton parts. (In Russian.) *Sel'khoz mashina* 2:14-15. Feb.1951. 58.8 Se42
- In pneumatic machines for cotton harvesting.
- 78143 LAGAUSIE, F. La mécanisation de la récolte du maïs et le rôle de la coopération. *Sol* 63:82-83. 1951. 14 So4
- 78144 LINK, H. L. How to do it! How to get the most from your sweet corn harvester. *Canning Trade* 74(4):6. Aug.13,1951. 286.83 T67
- 78145 MARION, M. V., and others. A portable pea viner for experimental plots. *Agron. J.* 43:403-404. Aug. 1951. 4 Am34P
- W. C. Kelly, G. F. Somers, and C. S. Brandt, joint authors.
- For harvesting.
- 78146 MARTENS. Erntemaschinen auf der DLG-Ausstellung. *Landwirtsbl. Weser-Ems* 28:608-609. July 12,1951. 18 L2345
- 78147 OHLSON, N. E. Combine with pickup. (In Swedish.) *Lantmannen* 35:565. July 21,1951. 11 L234
- 78148 PARKS, R. R. A review of developments in new mechanical harvesters. *Almond Facts* 16(3):1,5. May/June 1951. 280.28 AL62
- 78149 PÉQUIGNOT, R. Quelques observations sur le moissonnage battage. *Motorisation Agr.* 6:293,295,297, 299. May 1951. 58.8 M85
- 78150 PETERS, R. W. Mechanical harvesting of Queensland cotton. *World Crops* 3:302-305. Aug.1951. 281.8 W892
- 78151 SAINT-QUENTIN, M. Fenaison par les méthodes modernes. *Rustica* 24:519-520. June 10,1951. 14 R92
- 78152 SCHOENE, F. Mähdrescher oder einmann-dreschmaschine. *Tech. f. Bauern u. Gärt. Ausg. A* 3:252-253. May 10,1951. 58.8 T223

- 78153 SEARL, J. K. D. Modern method of harvesting crops for silage. *Milk Bd. J.* 2:237. May 15,1951. 44.8 M5934
- Corn.
- 78154 SOBOLEV, A. P. Testing machines for harvesting cotton in the districts of non-irrigated cotton culture. (In Russian.) *Sel'khoz mashina* 2:8-11. Feb.1951. 58.8 Se42
- 78155 SPENDL, C. Arbeitstechnik bei der heuernte in Schweden. *Österr. Landtech.* 3:286-288. Nov.1950. 58.8 L236
- 78156 THEBIS, R. Mähmaschinen überprüfen! *Tech. f. Bauern u. Gärt. Ausg. A* 3:267-268. May 10,1951. 58.8 T223
- 78157 TUBÁS, O. Some experiences with combines. (In Norwegian.) *Norsk Landbr.* 17:269-271. July 20,1951. 11 N8122
- 78158 VOGEL, S. L. How to thresh barley for malting purposes. *Farm Impl. News* 72(15):42-43. Aug.10, 1951. 58.8 F22
- 78159 WARNER, R. M. Shaking figs by helicopter. *Calif. Fig Inst. Proc. Annu. Res. Conf.* 5:56. Mar.16, 1951. 93.44 C122P
- 78160 WEILER, F. Maschinmäh-motormähd. *Österr. Landtech.* 4:136-138. May 1951. 58.8 L236
- 78161 WINTERS, R. Mechanical harvesting in the Thurles area. *Beet Grower* 5:102-104. July 1951. 66.8 B392
- Sugar beets in Ireland.

Land Clearing Equipment

- 78162 BRANAM, R. L. Giant blade at Boysen. *Reclam. Era* 37:140-141. July 1951. 156.84 R24
- Tree clearing equipment in the reservoir area of Boysen Dam.
- 78163 JARMAN, H. G. Clearing for Hungry Horse; highball timber clearing system combined with Diesel tractors save \$2,000,000 plus one year in time. *Diesel Prog.* 17(8):58-59. Aug.1951. 291.8 D56

Processing Equipment Used on the Farm

- 78164 ALPE, A. Contributions to the tests on chaff cutters. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:517-536. 1951. 16 An76
- English summary.
- 78165 FREITAS, H. DE. Preservation of forages. (In Portuguese.) *Rev. Agron. [Porto Alegre]* 15(169/173):54-55. Jan./Apr.1951. 9.2 R325
- Hay making and silage preparation.
- 78166 GORDON, I. R. Mechanization of silage making; labour and capital costs. *Farm Mech.* 3:191-193. May 1951. 58.8 B772
- 78167 HESTHAMAR, T. B. Plant for treating straw with lye. (In Norwegian.) *Norsk Landbr.* 17:255-259, 305-308. July 6, Aug.17,1951. 11 N8122
- 78168 HUMBERT, W. La déshydratation des fourrages jeunes; quelques précisions sur les machines. *Motorisation Agr.* 6:311-312. May 1951. 58.8 M85
- 78169 JOURNET. Les nouveaux procédés du séchage des fourrages aux Etats-Unis. *Genie Rur.* 44:237-238. July/Aug.1951. 58.8 Au8
- Chiefly equipment.
- 78170 LAISNE. Pour installer à peu de frais un séchoir à maïs. *Rustica* 24:643. July 15,1951. 14 R92
- 78171 LAMBERT, W. L. Uni-matched continuous flow portable farm dryer ready for production line; principles of famous Campbell tower grain dryer incorporated in the new make. *Right Off Cob* 6(3):4-5. Mar.1951. 59.8 R44
- 78172 MACHWIRTH, O. Welche schrotmühle soll ich mir anschaffen? *Bas-Rhin Agr.* 6:231. May 19,1951. 14 B29
- 78173 MARVIN, P. D. Farmer makes own haying weather; pleased with forced air system. *Nebr. Elect. Farmer* 5(5):5,23. May 1951. 335.8 N27
- 78174 RAZOUS, P. Séchage et conservation des fourrages. *Motorisation Agr.* 6:331,333,335,337. June 1951. 58.8 M85
- 78175 SALICETI, F. Battages électriques coopératifs. *Sol* 62:71-72. 1951. 14 So4
- 78176 SHELTON, W. E., and others. Barn hay driers in Michigan. *Mich. Agr. Expt. Sta. B.* 219,30 p. June 1951. 100 M58S
- D. E. Wiant, R. W. Kleis, and S. T. Dexter, joint authors.
- 78177 SIMON. Haspel für schwedenreuter und elektrozaun. *Neue Mitt. f. die Landwirt.* 6:452. July 7,1951. 18 N39

78178 STÖCKMANN, K. Futterbereitung. Masch. in der Landwirt. Kl. 47 p. Ref. Apr. 1951. 58 M37 Equipment.

Repair, Maintenance, and Construction Equipment

78179 BENOY, W. G., and CHADBURN, R. W. Implement sheds and workshops. Power Farmer 7:69-70, 103. Aug. 1951. 58.8 P872

78180 KLOSSE, E. Schweisstchnische reparaturen in der landwirtschaft. Landmasch.-Rundschau 3:64. (Concl.) Mar. 1951. 58.8 L237

78181 NEWTON, R. H. How electric arc welding saves metal and man hours on the farm. Elect. Light & Power 29(7):95-96, 98, 103. July 1951. 335.8 EL243

Spraying and Dusting Equipment

78182 BERAN, F., and others. Verbesserte feld-spritze "Herkules." Österr. Landtech. 4:157-158. May 1951. 58.8 L236

E. Kahl, F. Scheruga, and K. Knell, joint authors.

78183 BIONDI, L. Large and small equipment for dusting. (In Italian.) Terra e Sole 107:274-275. July 1951. 16 T273

78184 BURRELL, A. B. Converting large air-blast sprayers for semi-concentrates. Va. Fruit 39(5):22, 24, 26-27. May 1951. 81 V81B

78185 BURRELL, A. B. In nozzle requirement, the 1951 speed sprayer differs from earlier models. N. J. - State Hort. Soc. Hort. News 32:2421. July 1951. 81 N46

78186 COCK, R. E. Crop spraying machinery. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:169-175. May 1951. 23 T182T

78187 COX, L. Equipment for insect and disease control. (Abs.) Tobacco Workers Conf. Engin. Sect. Proc. 1:20-21. June 6, 1950. 69.9 T552

Spraying and dusting equipment.

78188 CUSHING, G. Temperature control of bulb treating tanks. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:46-47. 1950. 81 N818

In the control of nematodes.

78189 DICKERSON, R. L., EDWARDS, F. E., and HAMNER, A. L. Low cost insecticide sprayer for small farms. Miss. Agr. Expt. Sta. Inform. Sheet 464, 2 p. May 1951. 100 M691n

78190 GALLWITZ, Pflanzenschutztechnik. I. Spritz-technik. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 12, 114 p. 1950. 18 K96

Chiefly equipment.

78191 GARTON, J. E. A graphic solution for mast type orchard sprayer problems. Okla. Agr. Expt. Sta. Misc. P. MP-21, 4 p. June 1951. 100 Ok4

78192 GLERUM, J. C. Spuitwerktuigen in de land-bouw [Spraying equipment in agriculture]. Inst. v. Landb-techn. en Rationalisatie. P. 8, 36 p. Feb. 1951. 58.9 W12

78193 HOLZ, Geräte im pflanzenschutz, hier gespannspritzten. Landwirtbl. Weser-Ems 28:611-612. July 12, 1951. 18 L2345

78194 KNELL, K., and others. Verbesserte, motor-betriebene pflanzenschutzspritze DK 202. Österr. Landtech. 4:126-127. Apr. 1951. 58.8 L236

E. Kahl, F. Scheruga, and F. Beran, joint authors.

78195 PESARO, A. A new sprayer. (In Italian.) Agr. Ferrarese 54:242-244. Nov. 30, 1950. 16 Ag87

78196 PUSHIN, F. E. Stirring devices for the prepa-ration of tank mixtures in sprayers. (In Russian.) Sad i Ogorod 2:37-40. Feb. 1951. 80 Sa13

78197 SABATINI, F. L. The work of the British Agricultural Contractors Assoc.; The National Spraying Committee. Agr. Mach. J. 5(5):40. May 1951. 58.8 Ag86

Vehicles

78198 ALMEIDA LEME, H. DE. Maintenance of trac-tors. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:145-154. May/June 1951. 9.2 R324

78199 ARKEMA, P. W. B. Agricultural aspects of Uthil. (In Dutch.) Groninger Landtbl. 29(25):4. June 23, 1951. 12 G892

Tractor types.

78200 ARKEMA, P. W. B. Traction power of wagons with pneumatic tires. (In Dutch.) Overijsselsch Landtbl. 33(1600):5. Apr. 14, 1951. 12 Ov2

78201 BLASINGAME, R. U. Silage "funnel" wagons. Country Gent. 121(8):23. Aug. 1951. 6 C833

78202 BRICKWOOD, H. Air cleaners [of tractors] and their servicing. Power Farmer 7:94-95. Aug. 1951. 58.8 P872

78203 CASTLE, L. Keeping farm oil tanks full. Natl. Petrol. News 43(30):57-60. July 25, 1951. 307.8 P44

Tractor fuel.

78204 COSTE, W. Schlepperschau auf der DLG-Ausstellung in Hamburg. Landpost 5(27):4. July 7, 1951. 18 L2348

78205 DENCKER, C. H. Normung am scheidewege. Deut. Landwirt. Presse 74:160-161. June 16, 1951. 18 D482

Farm wagons.

78206 ENGELHARD, J. C'est la compréhension in-dustrielle de l'âme paysanne qui fait le succès de Lanz. Motorisation Agr. 6:285, 318. Apr.-May 1951. 58.8 M85

Types of tractor.

78207 FANNIN, E. What the farmer wants to know about power conversions; cost? savings? performance? Butane-Propane News 13(8):149-154. Aug. 1951. 309.8 B97

Use of propane for running farm tractors and equipment.

78208 GIEBHART, A. Was jeder vom luftreifen in der landwirtschaft wissen soll. Österr. Landtech. 3:333-335. Dec. 1950. 58.8 L236

78209 GINDLHUBER, W. Terrassenbau mit der planterraupe. Österr. Landtech. 4:16-17. Jan. 1951. 58.8 L236

Type of bulldozer.

78210 HÖCHKÖNIG, W. Der einachsschlepper - wirtschaftlich betrachtet. Österr. Landtech. 4:10-11. Jan. 1951. 58.8 L236

78211 HOCHKONIG, W. Der traktor des kleinbauern. Österr. Landtech. 3:326-328. (Cont.) Dec. 1950. 58.8 L236

78212 HOLLSTEIN, W. Gummifederungen im land-maschinenbau. Tech. f. Bauern u. Gärt. Ausg. A 3:226-227. Apr. 25, 1951. 58.8 T223

78213 HUFNAGLE, R. How to service a tractor cool-ing system. Successful Farming 49(8):92-94. Aug. 1951. 6 Su12

78214 ISSELSTEIN, R., and RINGE, H. Eine neue landmaschine. Deut. Landwirt. Presse 74:132. May 19, 1951. 18 D482

Tractor type.

78215 JAKOB, R. Der einbaumotor muss richtig sein! Dreschen u. Pflügen 3(11):7-9. Nov. 15, 1951. 58.8 D81

78216 JEBERIN, H. Ackerschlepper und gerät auf der Hamburger DLG-Ausstellung. Landwirtbl. Weser-Ems 98:585-586. July 5, 1951. 18 L2345

78217 JUNG, K. F. Lasst sich die zughakenleistung des schleppers steigern? Tech. f. Bauern u. Gärt. Ausg. A 3:192-194. Apr. 10, 1951. 58.8 T223

78218 KLEFOTH, F. Kennt der bauer die kosten für den betrieb seines schleppers? Tech. f. Bauern u. Gärt. Ausg. A 3:69-71. Feb. 10, 1951. 58.8 T223

78219 KOCH, H. Der neue sechsgang-einachsschlep-per 'Hansa 50'. Landmasch.-Rundschau 3:111-112. May 1951. 58.8 L237

78220 KOLOMIETS, A. A. Practice in using SOT tractors in Moscow Region. (In Russian.) Sad i Ogorod 1951:53-57. Jan. 1951. 80 Sa13

78221 KOSAREV, V. N. Relationship of dynamics and economics of tractor Diesel to the dimension of angular advance of fuel injection. (In Russian.) Vse-sojuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16 (3):35-38. 1951. 20 Ak1

78222 KRIEBEL, M. Vom motor-tragpflug zum motor-geräteträger. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:995. July 5, 1951. 18 L2346

78223 LACOMBE, R. Le tracteur: son prix de re-vient. Prog. Agr. et Vitic. 136:6-11. (Concl.) July 1/8, 1951. 14 P94

78224 LEIBFRIED, E. "Treckeritis" eine neue bäuerliche krankheit. Bad. Landwirt. Wchnbl. 118:310-311. May 19, 1951. 18 B142

78225 MAITS, B. Here come the tanks; Milk goes from the cow into a refrigerating tank under the new bulk handling system, which promises faster cooling, higher quality, and no can lifting. Country Gent. 121(8):28, 61, 63-64. Aug. 1951. 6 C833

Truck tanks.

78226 MINER, P. The farmer takes the air. Du Pont Mag. 45(4):12-13. Aug./Sept. 1951. 309.8 D92

National Flying Farmers Association.

78227 MONNIER, R. Liaison du tracteur avec ses outils. Motorisation Agr. 6:67, 69, 71. Feb. 1951. 58.8 M85

Draw-bars.

78228 NEEL, A. S. Blue yonder farming. Breeder's Gaz. 116(8):30. Aug.1951. 49 B74
Aircraft in agriculture.

78229 PESARO, A. New types of tractors. (In Italian.) Agr. Ferrarese 54:190-192. Sept.30,1950. 16 Ag87

78230 PREUSCHEN, G. Der allradantrieb in der landwirtschaftlichen praxis. Tech. f. Bauern u. Gärt. Ausg. A 3:67-68. Feb.10,1951. 58.8 T223

78231 REYNOLDS, P. A. Tractor maintenance. 10. Making a gasket from brown paper. Grower [London] 36: 120-121. July 21,1951. 286.83 M34

78232 RUOFF, F. Radverbreiterung gegen schlepper-druckschäden. Neue Mitt. f. die Landwirt. 6:315-316. May 19,1951. 18 N39

78233 SCHRÖTER, H. O. Leistungssteigerung der schlepper durch achsdruckerhöhung. Landmasch.-Rundschau 3:59. Mar.1951. 58.8 L237

78234 SEMENOV, V. P. From the practice of carrying out the brigade-assembly method of [tractor and equipment] repair. (In Russian.) Les i Step' 2(11):73-75. Nov.1950. 99.8 L565

78235 SENFTLEBEN-HIMMELSTHUR. Erfahrungen mit der ansteckraupe am mittel- und kleinschlepper; zusammenfassung der ergebnisse aus einem 60 ha. grossen betrieb, ergänzt durch einzelversuche. Landmasch.-Rundschau 3:16,18. Jan.1951. 58.8 L237

78236 SIMBRIGER. Der Ruhrstahl-geräteträger. Tech. f. Bauern u. Gärt. Ausg. A 3:284-286. May 25, 1951. 58.8 T223

78237 SKALWEIT, H. Einsatz-bedingungen für den schlepper. Neue Mitt. f. die Landwirt. 6:332-334. May 26,1951. 18 N39

78238 TERRE moderne. Paris, Tracteurs Agricoles Renault, 1950. 413 p. 33.17 T67

78239 VRÁNA, L. The effectivity of tractor's work by mowing with the sevenfeet binder. (In Czech.) Ceskoslov. Akad. Zeměděl. Sborn. 23:364-381. Mar.1951. 19.5 C332C
English summary.

FARM STRUCTURES AND RURAL HOUSING

78240 BJERKE, G. Landsbebyggelsen i Norge [Rural buildings in Norway], v. 1. Oslo, Dreyer, 1950. 357 p. 296 B55

78241 DARAGON, J. Les bâtiments dans les exploitations agricoles. Chambre Franç. d'Agr. des Régions de Rabat, du Rharb et d'Ouezzane. B. 17:2641-2650. Apr. 1951. 24 C352

78242 ENGLAND, D. Reed thatching. Rhodesian Tobacco J. 2(7):88-89. July 1950. 69.8 R34

78243 FARM buildings that do more work. Country Gent. 121(8):30. Aug.1951. 6 C833

78244 HECKL, R. Holzdecke oder massivdecke? Österr. Landtech. 4:144-145. May 1951. 58.8 L236

78245 HECKL, R. Das strohdach. Österr. Landtech. 3:322-324. Dec.1950. 58.8 L236

78246 KIRSTEIN. Zur gestaltung landwirtschaftlicher gebäude. Dreschen u. Pflügen 3(11):3-5. Nov.15, 1951. 58.8 D81

78247 KOLL, F. Der bauernhof im plan und bau. Linz, Fortbildungsreferat der O.-Ö. Landwirtschaftskammer, 1950. 174 p. 296 K83

78248 KÖSTER, G. Vom landwirtschaftlichen bauen heute. Landwirtbl. Weser-Ems 98:429-431. May 17,1951. 18 L2345

Construction.
78249 NORHEIM, A. Snow injuries to service buildings. (In Norwegian.) Norsk Landbr. 17:259-260. July 1951. 11 N8122

78250 RENBORG, U. Jordbrukets byggnadskostnadsindex samt nybyggnadsverksamheten inom jordbruket under åren 1949 och 1950 [The development of the building cost index in agriculture and the production of buildings in Swedish agriculture during the years 1949 and 1950]. Sweden. Stat. Forskkom. f. Lantmannabyggnader. Meddel. 21,41 p. 1951. 296.9 Sw3
English summary.

Animal Shelters and Animal Service Buildings

78251 ANDREWS, W. G. Broilermen like new North Carolina house. Broiler Growing 2(8):10-11. Aug.1951. 47.8 B782

Includes specifications.

78252 BERR. Viehwirtschaft im güllestall. Allgäuer Bauernbl. 19:352. June 28,1951. 18 AL53
Stable sanitation.

78253 BIGELOW, I. Housing your dairy herd. Ayrshire Digest 37:451,477. Aug.15,1951. 43.8 Ay7

78254 BONA, T. The stable. (In Italian.) Seme 2: 235-236,258-260. Oct.-Nov.1950. 16 Se5
Specifications.

78255 BOYDELL, J. F. Modernizing cowsheds. Estate Mag. 51:237-239. June 1951. 10 Es8

78256 FOLEY, M. M. The American barn, its varied forms still reflect the crops, climates and cultures of this country's colonial past. Architect. Forum 95(2):170-177. (Cont.) Aug.1951. 296.8 B76

78257 GOVIN, L. L'étable. France. Min. de l'Agr. B. Tech. d'Inform. 59:327-338. May 1951. 14 F844B
Types, and designs and specifications.

78258 GOVIN, L. Une porcherie d'engraissement rationnelle; le type "Danois." Genie Rur. 44:228-229. July/Aug.1951. 58.8 Au8

78259 HECKL, R. Einheitsstall oder stallunterteilung? Österr. Landtech. 3:296-298. Nov.1950. 58.8 L236

78260 HECKL, R. Fresseinrichtung und aufstallung im rinderstall. Österr. Landtech. 4:149-150. May 1951. 58.8 L236

78261 HECKL, R. Revolution im stallbau? (Sum.) Österr. Landtech. 4:8-10. Jan.1951. 58.8 L236

78262 HOPSON, G. The pen type barn and its future. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:67-68,70-73, 75-77,79-80. May 1951. 44.9 N4833

78263 IRELAND. DEPT. OF AGRICULTURE. The construction of a cow house. Ireland. Dept. Agr. L. 53, 6 p. Feb.1950. 10.5 Ir42

78264 JOHNSTON, R. B. Walk-thru milking arrangement more efficient. Miss. Agr. Expt. Sta. Inform. Sheet 459,2 p. Mar.1951. 100 M69In
Milking barn arrangements.

78265 KEUNE, O. Gesunde und saubere milch aus jedem kuhstall. Unser Milchvieh 3(5):1-2. In Molk.-Ztg. 5(18). May 4,1951. 44.8 M735

78266 KOHLMAYR, N. Melkstall und melkstand. Die praktische und melkmaschinelle einrichtung. Österr. Landtech. 4:114-118. Apr.1951. 58.8 L236

78267 KOLL, F. Der futtertisch im zu breiten stall. Österr. Landtech. 4:11-12. Jan.1951. 58.8 L236

78268 LABLANCHY, A. Habitat du bétail et production laitière. Ann. de la Nutr. et de l'Aliment. 5:371-384. 1951. 389.8 An73
Includes discussion.

78269 NOU, N. A. About ventilation in poultry houses. Poultry Farmer [Sydney] 18(50):22-23. June 16,1951. 280.28 Or32

78270 OBER, J. Stalllüftung mit oder ohne abluftschacht? Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 7/8:25-29. 1950. 49 B32

78271 OBER, J. Verdeckte oder offene jaucherinne im kuhstall? Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 9/10:24-26. 1951. 49 B32

78272 PETERSEN, N. Bautechniker-erfahrungen mit schweineställen. Tech. f. Bauern u. Gärt. Ausg. A 3: 263-265. May 10,1951. 58.8 T223

78273 PETERSON, N. The loose stall system in practice. (In Swedish.) Ladugården 1951:164-170. June 1951. 44.8 L12
Dairy cattle.

78274 RICCHEZZA, M. Distintos tipos de parideras. Chacra 21(248):44-45. July 1951. 9 C34
For swine.

78275 ROSENBERG, M. M., and GUILLOU, R. A sun-porch developer pen designed for chickens reared in Hawaii. Hawaii. Agr. Expt. Sta. B. 105,12 p. July 1951. 100 H313

78276 SALTER, R. G. Notes on a German cowshed. Land Agents' Soc. J. 50:294-295. July 1951. 282.9 L22

78277 SCHLUGA-TSCHUTTNIG, N. Praktische freilandhaltung. Pflug 4:110-111. May 1951. 19 P48
Open stalls for cattle in Austria.

78278 STEWART, R. E. A field study of practice in loose housing of dairy cattle in Missouri. Mo. Agr. Expt. Sta. Res. B. 468,36 p. Ref. Dec.1950. 100 M693

78279 WOOD, L. Torture chambers for paint; dairy buildings are rough on paint due to high humidity, action of alkalis and acids, and the continuous heavy wear. Hoard's Dairyman 96:563,573. July 25,1951. 44.8 H65

78280 ZORN, W., OBER, J., and WIETHE, H. Was ist bezüglich der rinderställe für die moderne tuberkulosebekämpfung zu beachten? Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 9/10:11-15. 1951. 49 B32

Farmhouses and Farmsteads

- 78281 AGLIBUT, A. P., and VILLA, S. P. Rural housing of one hundred families in Malaking Pulo, Tana-uan, Batangas. *Philippine Agr.* 34:34-41. July/Sept. 1950. 25 P542
- 78282 HANSON, D., and JONES, K. Beginning or retiring, here's a low-cost house for you. *Successful Farming* 49(8):38-41. Aug. 1951. 6 Su12
- 78283 KOCH-ERPACH, R. Das bauprogramm für die neubauern in der sowjetischen besatzungszone. *Inst. f. Raumforsch. Inform.* 20,7 p. May 28, 1951. 280.9 B6431
- 78284 LOUTREL, J. Note sur les comités départementaux de l'habitat rural. *Agro d'Angers* 29:132-133. May 1951. 105.3 An4
- 78285 MITCHELL, S. Better home planning. *Ala. Polytech. Inst. Agr. Ext. C.* 411,8 p. Jan. 1951. 275.29 AL1C
- 78286 MONGTOMERY, J. E. Housing preferences of farm families in the Northeast. N. Y. (Cornell) *Agr. Expt. Sta. B.* 872,32 p. July 1951. 100 N48C

Greenhouses and Plant Service Buildings

- 78287 BARRERA RIBER, R. Construcciones hortícolas: abrigos y cajoneras. *Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg.* 19,12 p. Oct. 1950. 15 H68
- 78288 BARRERA RIBER, R. Construcciones hortícolas: invernaderos y estufas. *Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg.* 4,12 p. Feb. 1951. 15 H68
- 78289 KOROL'KOV, E. D. Steam heated hotbeds. (In Russian.) *Sad i Ogorod* 3:66-67. Mar. 1951. 80 Sa13
- 78290 LEE, M. E. How I built a greenhouse—and why! *Amer. Orchid Soc. B.* 20:460-463. Aug. 1951. 80 Am329
- 78291 NOTTAGE, I. L. Gable-roofed glasshouse for home gardeners. *New Zeal. J. Agr.* 82:353,355-356. Apr. 16, 1951. 23 N48J
- 78292 SUNSET MAGAZINE. Sunset ideas for building plant shelters and garden work centers. *Mendo Park, Calif., Lane.* 1951. 78 p. 97.5 Su7
- 78293 THOMPSON, I. J. Forced draught uses cheaper fuel. *Grower [London]* 36:29-31,78-79,124-125, 127. (Cont.) July 7-21, 1951. 286.83 M34
In greenhouse boilers.

Materials and Methods

- 78294 GARSTON, ENGLAND. BUILDING RESEARCH STATION. Concrete made with lightweight aggregate. *Bldg. Res. Sta. Digest* 32,5 p. July 1951. 296.9 G19
- 78295 GLENN, H. E. Bamboo reinforcement in Portland cement concrete. *Clemson Agr. Col. S. C. Engin. Expt. Sta. B.* 4,171 p. May 1950. 290.9 C592
- 78296 HECKL, R. Wichtige verwendungsmöglichkeiten für ungebrannten lehm im landwirtschaftsbau. *Österr. Landtech.* 4:20. Jan. 1951. 58.8 L236
- 78297 LYMAN, C. W. How to make quality concrete. *Hoard's Dairyman* 96:603. Aug. 10, 1951. 44.8 H65

Storage Structures

- 78298 AMORES YÉPEZ, H. Los silos y el Consejo Nacional de Producción de San José, Costa Rica. *Manabí, Ecuador. Consorcio de Cent. Agr. B.* 12(65):26-27. Jan./Mar. 1951. 9.5 M31
Grain storage structures.
- 78299 AYALA CASTILLO, E. Descripción de un método para preservación de forrajes: el silo de trinchera. *Agr. Trop.* 7(6):23-27. June 1951. 26 Ag8
- 78300 BOND, W. R. An economic storage warehouse. *Hopper* 8(2):5. May 1951. 70.8 H77
- 78301 CUSHING, G. Pressurized heating of bulb storage rooms. *Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course* 3:33-34. 1950. 81 N818
- 78302 MANFREDI, E. Trends in the construction of silos for forage. (In Italian.) *Genio Rur.* 14:319-320. May/June 1951. 281.8 R522
- 78303 NIELSEN, H. P. Is the liquid manure container tight. (In Danish.) *Dansk Landbr.* 70:344-345. July 26, 1951. 280.28 V91
- 78304 NORINGBAUER, G. Der rundschablonen-bau für jauchebehälter. *Österr. Landtech.* 4:111-114. Apr. 1951. 58.8 L236
- 78305 ROBERSON, L. N. Constructing bulb storage rooms. *Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course* 3:31-32. 1950. 81 N818
- 78306 SCHAFFRANEK, F. Ein bemerkenswerter silobau. *Mühle* 88:336. May 24, 1951. 298.8 M89

- 78307 SHUH, J. E., and BANTING, A. Trench silos are cheaper; some of the problems of building a cheap storehouse for grass silage. *Family Herald & Wk. Star* 82(23):7,11. June 7, 1951. 7 F21
- 78308 STACHOW, W. H. Hochsilos zur gärfutterbereitung. *Landmasch.-Rundschau* 3:74-75. Apr. 1951. 58.8 L237

Walls and Fences

- 78309 BRIGHTEN, C. W. Cattle grids: some photographs and notes. *Land Agents' Soc. J.* 50:247-249. June 1951. 282.9 L22
- 78310 GUCKES, E. Erfahrungen beim rotwildhordengatterbau im Forstamt Rod an der Weil. *Forstl. Mitt.* 4:33-34. Feb. 20, 1951. 99.8 F7725
- 78311 MILES, A. D. Electric fence for distribution of cattle on a range grazed by sheep and cattle. *J. Range Mangt.* 4:228-232. July 1951. 60.18 J82

FARM UTILITIESElectricity and Electrification

- 78312 BRAHENEY, B. F. Pioneer experimental rural electric lines—1923. *Pub. Util. Fortnightly* 48:289-295. Aug. 30, 1951. 280.8 P966
- 78313 BRANCH, T. P. Is your wiring approved? *Internatl. Assoc. Elect. Insp. News-B.* 23(4,pt.1):11. July 1951. 335.9 In8
Rural electric wiring.
- 78314 COLEMAN, J. F. Review present, future power sources. *Nodak Neighbor* 14(3):15-16. June 1951. 335.8 N67
Electric power for North Dakota.
- 78315 CRONIN, B. Rural electrification in Victoria. *New Zeal. Elect. J.* 24:510-511. June 25, 1951. 335.8 N48
- 78316 EASTER, E. C. How important is the farm service advisor? *Farm Electrification* 5(4):6-11. July/Aug. 1951. 335.8 F224
- 78317 ELECTRIC LIGHT AND POWER. 6th report to the Nation on electrified farming—a defense weapon. *Elect. Light & Power* 29(7):71-82. July 1951. 335.8 EL243
- 78318 ELECTRICITY in dairying. *Rur. Electrification News* 16(11/12):3-8. June/July 1951. 173.2 R88Ru
- 78319 FEINBERG, B. F. Progress of New York farm electrification. *Pub. Util. Fortnightly* 48:216-222. Aug. 16, 1951. 280.8 P966
- 78320 HEGLY, L. L'électrification rurale; un nouveau type de poste de transformation a éléments préfabriqués. *Genie Rur.* 44:230-234. July/Aug. 1951. 58.8 Au8
- 78321 HOTCHIN, E. E. Abuses of electrical devices on the farm. *Mutual Ins. J.-News* 46(8):4-8. (Cont.) Aug. 1951. 284.68 M982
Accident prevention.
- 78322 LLOYD, M. H. Skimpy wiring steals your money; watch your electrical equipment for telltale signs. *Elect. Farm* 24(7):7-8,29-31. Aug./Sept. 1951. 335.8 EL27
- 78323 MAREC, E. Les réseaux ruraux de distribution de l'énergie électrique et la discipline de consommation. *Genie Rur.* 44:235-236. July/Aug. 1951. 58.8 Au8
- 78324 MILLER, J. A. It may pay farmers to install electrical plant. *Rhodesian Tobacco J.* 3(3):85-87,89. Mar. 1951. 69.8 R34
- 78325 PERGOLA, A. DELLA. Uses and abuses of electric services. (In Italian.) *Rass. dell'Agr. Ital.* 6(5):6-8. May 1951. 281.8 R18
Legal aspects for farmers.
- 78326 PRING, G. W. 50th year of electric service to the New York State farmer. *Farm Electrification* 5(4):3. July/Aug. 1951. 335.8 F224
- 78327 SCHLIE, R. W. Single-step regulators for rural line use. *Elect. So.* 31(7):29-31,52,54-55. July 1951. 335.8 EL234
- 78328 SCOTT, R. T. Tomorrow's rural customers; national farm youth electrical program builds future power sales. *Elect. Light & Power* 29(8):89,91-92. Aug. 1951. 335.8 EL243
4-H Club work.
- 78329 U. S. RURAL ELECTRIFICATION ADMIN. Applications of electricity for the home and farm. *Rev. Washington*, 1951. 6 p. 1.933 Ap5
List of farm and household equipment.
- 78330 U. S. RURAL ELECTRIFICATION ADMIN. The educational job ahead as co-op leaders see it. *U. S. D. A. PA-165*, 23 p. 1951. 1 Ag84Pro
Summary of talks, discussions, and reports of the Conference on the Electrification Advisers Programs, Washington, D. C., Dec. 4-7, 1950.

- 78331 U. S. RURAL ELECTRIFICATION ADMIN. Graphic summary of the REA program. Washington, 1951. 29 p. 1.933 G762
- 78332 U. S. RURAL ELECTRIFICATION ADMIN. Large power rates and contracts. Washington, 1951. 27 p. 1.933 L322
- 78333 U. S. RURAL ELECTRIFICATION ADMIN. Watthour meter maintenance. Washington, 1951. 16 p. 1 R88Wa

Heating, Lighting, and Radiation

- 78334 BRODELL, A. P., and KENDALL, A. R. Farm consumption of liquefied petroleum gases. U. S. Bur. Agr. Econ. FM-87,7 p. July 1951. 1.941 L6F22
- 78335 ERBACHER, W. Elektrizität zur wärmeerzeugung. Österr. Landtech. 3:337-339. Dec. 1950. 58.8 L236
- 78336 ERBACHER, W. Verwendet in betriebe mit elektrischen eigenkraftanlagen mehr wärmegeräte. Österr. Landtech. 4:22-23. Jan. 1951. 58.8 L236
- 78337 SAMAT, M. La lampe à rayons infra-rouges pour poussins. Révell Agr. 60:201. July 1, 1951. 14 R322
- 78338 SMITH, K. J. Heating with straw. (In Danish.) Tolvmandsbladet 23:208-210. July 1951. 11 T58
- Straw as fuel.
- 78339 STOVER, H. E. Fuels for Kansas homes. Kans. State Col. Agr. Ext. Farm Structures 4,6 p. June 1950. 275.29 K13En
- 78340 STRICKLER, P. E., and SMITH, P. W. Source of heat for brooding chicks. U. S. Bur. Agr. Econ. FM-90,6 p. June 1951. 1.941 L6F22
- 78341 THOMSON, J. Heating systems. Prairie Farmer, Mich. Ed. 123(15):20-21. Aug. 4, 1951. 6 P883A
- 78342 WARNER, P. E. You'll save time and money with L-P gas. Successful Farming 49(8):43,80,82. Aug. 1951. 6 Su12
- For the tractor and the farms.
- 78343 ZIMMERMAN, C. Put sunlight to work indoors; farmers utilize solar heat and light in production buildings by installing insulated glass windows. Capper's Farmer 62(8):18-19. Aug. 1951. 6 M693

Power Plants, Motors and Engines on the Farm

- 78344 ERBACHER, W. Der elektromotor, seine auswahl und pflege. Österr. Landtech. 3:306-309. Nov. 1950. 58.8 L236
- 78345 ERBACHER, W. Winke für die schaltung von elektromotoren. Österr. Landtech. 4:150-153. May 1951. 58.8 L236
- 78346 HULL, D. O. Facts about farm fuels. Hoard's Dairyman 96:599,613. Aug. 10, 1951. 44.8 H65
- Motor fuels.
- 78347 LEMMI, P. The Diesel motor. (In Italian.) Terra e Sole 107:266. July 1951. 16 T273
- 78348 LIQUIFIED PETROLEUM GAS INFORMATION SERV. Tank gas on farms. Farm Safety Rev. 9(4):8-9. July/Aug. 1951. 449.8 F22
- G. H. Larson cooperating.

Sewage and Waste Disposal

- 78349 INDIANA. STATE BOARD OF HEALTH. Septic tank sewage disposal systems for farm and suburban homes. Purdue U. Engin. Ext. Dept. Ext. Ser. 74,31 p. 1951. 290.9 P972
- Purdue University Agricultural Extension Service and Engineering Extension Department cooperating.
- 78350 U. S. PUBLIC HEALTH SERV. DIV. OF SANITATION. Septic tank care. Washington, 1951. 6 p.-folder. (U. S. Public Health Service. Public Health Service Publication, 73) 151.66 Se6

Telephones

- 78351 MOE, J. Nodak's interest in telephone program. Nodak Neighbor 14(3):11. June 1951. 335.8 N67

Water Supply

- 78352 ANGSTER, H. C. There is no substitute for running water. Ohio Farm Bur. News 30(10):12. May 1951. 6 Oh34
- Water for livestock and poultry.
- 78353 ELAM, F. L. Are you drilling a well? Your Farm 10(8):97-100. Aug. 1951. 6 Y8
- 78354 JARVIS, J. W. Inexpensive watering trough for use on range made from log. Mont. Stockgrower 23(4):30-31. Apr. 15, 1951. 49 M76

- 78355 OBER, J. Die wasserversorgung unserer haustiere. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 11/12:27-31. 1951. 49 B32
- 78356 PURDUE UNIVERSITY. ENGINEERING EXTENSION DEPT. Safe water supplies for farm and suburban homes. Purdue U. Engin. Ext. Dept. Ext. Ser. 75,32 p. May 1951. 290.9 P972
- 78357 SÖLLING, S. The drinking water situation in the country must be improved. (In Danish.) Tidsskr. f. Landökon. 7:329-337. July 1951. 11 T43
- 78358 STOVER, H. E. Farm water supply. Kans. State Col. Agr. Ext. Rur. Electrification 4,8 p. June 1950. 275.29 K13En
- 78359 STOVER, H. E. Water pumping systems for the farm. Kans. State Col. Agr. Ext. Rur. Electrification 6, 12 p. June 1950. 275.29 K13En

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

- 78360 ANDREWS, S. Food and world tensions. Washington, U. S. Off. Foreign Agr. Relat., 1951. 5 p. 1.943 An2
- Summary of remarks before the American Home Economics Association, Cleveland, June 27, 1951.
- 78361 ANDREWS, S. The world food picture. Washington, U. S. Off. Foreign Agr. Relat., 1951. 8 p. 1.943 An2
- Summary of remarks before German and other European farm leaders and government officials, Bonn, Germany, May 9, 1951.
- 78362 BÉRARD, H. Le problème agricole du ravitaillement des populations dans l'Extrême Sud de Madagascar. Agron. Trop. 6:265-286. (Cont.) May/June 1951. 26 Ag86
- 78363 CALIFORNIA. AGRICULTURAL EXPERIMENT STATION, BERKELEY. Our food situation in a war emergency. Berkeley, 1950. 13 p. 389 C124
- 78364 CONFEDERATION DE L'ALIMENTATION BELGE. Répertoire des industries alimentaires. Bruxelles, 1950. 431 p. 225 C765
- 78365 COUSINS, N. Hunger. Land 10:154-157. Summer 1951. 279.8 L22
- 78366 DEGRAFF, H. The food needs of the country, and the public relations of agriculture. Noeast. Dairy Conf. Annu. Rpt. 16:31-39. 1951. 44.9 N818
- Also in Metrop. Milk Prod. News 11(6):7-9. June 1951. 280.28 M56
- 78367 DEHMEL, A. Die weitere rohstoffversorgung der süßwaren-industrie. Zucker- u. Süßwaren-Wirt. 4:354-355. May 5, 1951. 286.86 Z8
- 78368 FRICK, L. W., and others. Digest symposium; Is our food supply adequate? Coop. Digest 12(2a):10-11, 24. Aug. 15, 1951. 280.28 C7896
- P. O. Wilson, F. G. Ketner, and C. N. Silcox, joint authors.
- 78369 HAUBOLD, H. Nachkriegsstruma und ernährungsfragen. (Sum.) Z. f. Lebensmitl.-Untersuch. u. -Forsch. 92:350. May 1951. 384 Z39
- Germany.
- 78370 HILL, W. L. The Food Group [of the Society of Chemical Industry] in Italy. Food Mfr. 26:314-318. Aug. 1, 1951. 389.8 F736
- 78371 HIRSCH, E. J. From scarcity to abundance in farm products. Com. & Financ. Chron. 174:513,532. Aug. 9, 1951. 286.8 C73
- 78372 KING, J. A. Shortage of raw materials. Internat. Confectioner 61(7):30-31. July 1951. 389.8 In214
- For confectionery manufacture.
- 78373 KLEIN, F. Das grosse lebensmittel buch. Braunschweig, Westermann, 1950. 332 p. Ref. 389 K67
- 78374 LEVENSON, L. A. Commissary research for the U. S. Navy. Food Technol. 5:309-310. Aug. 1951. 389.8 F7398
- 78375 LIGHTBODY, H. D. New food products needed by the armed forces. Food Technol. 5:307-309. Aug. 1951. 389.8 F7398
- 78376 MUIRDEN, B. W. World food shortage ahead? Westralian Farmers Co-op Gaz. 20:245-246. Apr. 1951. 280.28 W522
- 78377 PAPI, G. U. The world food situation and the exchange of agricultural products. (In Italian.) B. dell'Agr. 84(24):2. Dec. 15, 1950. 16 B87

- 78378 PASYSKII, A. Conference on proteins [in industry and agriculture]. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 2:117-120. Mar./Apr. 1951. 511 Sa2B
- 78379 PUZO, J. Bromatologia bfblica. An. de Bromatologia 3:43-49. 1951. 389.8 An1
English summary.
- 78380 RUSCHMANN, G. Das welternährungsproblem. Tech. f. Bauern u. Gärt. Ausg. A 3:65-66. Feb. 10, 1951. 58.8 T223
- 78381 SINHA, A. B. N. Food problem and co-operation. Indian Co-op. Rev. 17:42-44. Jan./Mar. 1951. 280.28 In2

ANALYSIS AND COMPOSITION

- 78382 ÅGREN, G. Microbiological determinations of amino acids in foodstuffs. II. Acta Chem. Scand. 5:766-773. Ref. 1951. 385 Ac82
- 78383 ANDREWS, J. C., and VISER, E. T. The oxalic acid content of some common foods. Food Res. 16:306-312. Ref. July/Aug. 1951. 389.8 F7322
- 78384 CERNIANI, A. Thermal decomposition of starch. (In Italian.) Ann. di Chim. 41:293-308. Apr./May 1951. 385 An7
- 78385 DÖRNER, H. Die bestimmung des dickungsvermögens von nährmitteln mit dem gelometer. Getreide u. Mehl 1:14-16. Feb. 1951. 298.8 G332
- 78386 FLORIDA. STATE CHEMIST. Annual report; fertilizers, feeds, foods, drugs and cosmetics, insecticides and fungicides, year ending December 31, 1950. Tallahassee? 1951. 236 p. 381 F66
Analyses.
- 78387 GRAEFE, G. Stärkeester mit anorganischen säuren. (Abs.) Angew. Chem. 63:315. July 7, 1951. 384 Z33
- 78388 JABLONSKI, C. F. Report on coloring matters in foods. Assoc. Off. Agr. Chem. J. 34:232-234. May 15, 1951. 381 As7
- 78389 JOSLYN, M. A. The action of enzymes in concentrated solution and in the dried state. J. Sci. Food & Agr. 2:289-294. Ref. July 1951. 382 So12
Dried foods.
- 78390 LINDEMANN, E. Über die fettbestimmung und den einfluss der extraktion auf die eigenschaften von stärke. (Abs.) Angew. Chem. 63:315. July 7, 1951. 384 Z33
- 78391 MÜLLER, H. Die fluor-bestimmung in lebensmitteln. (Abs.) Angew. Chem. 63:315-316. July 7, 1951. 384 Z33
- 78392 MÜLLER-MANGOLD, D. Zur methodik der pH-wert-bestimmung von stärke. (Abs.) Angew. Chem. 63:315. July 7, 1951. 384 Z33
- 78393 PAGENSTEDT, B. Stärketechnologische studien mit dem viscographen. (Abs.) Angew. Chem. 63:315. July 7, 1951. 384 Z33
- 78394 RÜGGERBERG, H. Die papierchromatographie und ihre anwendung auf stärkehydrolysate. (Abs.) Angew. Chem. 63:315. July 7, 1951. 384 Z33
- 78395 SPECHT, H. Die stärkeabbauenden enzyme der schimmelpilze; erkenntnisse der neueren literatur. Brautweinwirtschaft 5:170-173. Ref. May 30, 1951. 390.8 B7322
- 78396 SUGIYAMA, H. Studies on factors affecting the heat resistance of spores of Clostridium botulinum. J. Bact. 62:81-96. Ref. July 1951. 448.3 J82
- 78397 TAYLOR, A. M. The tools of the food chemist. II. Food Mfr. 26:319-320, 325. Aug. 1, 1951. 389.8 F736
- 78398 WILLIAMS, O. B., and CAMPBELL, L. L., JR. The effect of subtilin on thermophilic flat sour bacteria. Food Res. 16:347-352. July/Aug. 1951. 389.8 F7322

CONSUMPTION AND UTILIZATION

- 78399 FISHER. Ten years of research at the Southern Regional Research Laboratory. Oil Mill Gaz. 56:32-34. July 1951. 307.8 O153
Research in new uses for agricultural products.
- 78400 HALE, W. J. Chemurgy, the key to a sound economy. Rollins Col. Annu. Econ. Conf. 16:83-98. 1951. 280.9 R65
Includes discussion.
- 78401 KRETSCHMAR, H. J. VAN. Processing of waste products in the United States. (In Dutch.) Landb. Wereldnieuws 6:331-333. May 26, 1951. 12 L237
- 78402 WAHLFISK, K. O. The consumption of foodstuffs in 1950. (In Swedish.) Sweden. Stat. Jordbrämsd. Jordbrekon. Meddel. 13:250-258. June 1951. 257.3 J76
English summary, p. 238.

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 78403 BELYEA, C. Farm product marketing and its problems. Rur. Co-op. 15(18):4. June 12, 1951. 280.28 R88
- 78404 BENOIST, G. Les problèmes généraux de l'approvisionnement. Défense Agr. de la Beauce et du Perche 48:277-278. July 14, 1951. 14 D36
Cooperatives.
- 78405 CENTRALANDELSLAGET LABOR. Report on the activities of Centralandelslaget Labor Ltd., during the 53d year, 1950. (In Swedish.) Labor [Helsingfors] 35 (3):1-5. Apr. 13, 1951. 20 L11
- 78406 ECKSTROM, C. R. Roadside stands in Maine. Maine. Agr. Col. Ext. C. 262, 8 p.-folder. June 1950. 275.29 M281C
- 78407 GIL, O. DE A. The taxing of sales and consignments and futures trading. (In Portuguese.) Rev. dos Mercados 2(5):40-43. (Cont.) Jan. 1951. 286.8 R328
Agricultural products.
- 78408 LUDEWIG, E. The sanitary aspects of food vending machines. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:165-170, 172. May 1951. 44.9 N4833
- 78409 MADRID. SECRETARÍA. SECCIÓN DE ESTADÍSTICA. Resumen estadístico correspondiente al año 1950. Madrid, 1951. 76 p. 263 M262
Includes food marketing statistics.
- 78410 REBOUL, J. Role de la coopération dans l'écoulement de la production agricole. Paysan Franç. 26 (401):17-18; (402):25-26. (Cont.) May-June 1951. 14 P29
- 78411 REED, V. D. The fastest-growing markets in the U. S. Adver. Agency 44(8):54-57, 96. Aug. 1951. 238.28 Ad93
- 78412 SCHUMY. Die funktion der landwirtschaftlichen genossenschaften in der marktwirtschaft. Burgenländische Bauernbündler 4(9):5-6. Apr. 20, 1951. 19 B91
- 78413 SCOTT, R. C., and LEED, T. W. Some facts about roadside marketing in Ohio. Ohio. State U. Dept. Agr. Econ. Mimeog. B. 225, 20 p. July 1951. 281.9 Oh32
- 78414 TORRES FILHO, A. Our economic defense and the domestic market. (In Portuguese.) Seleg. Agr. 6(62):15-17. June 1951. 9.2 Se4
Brazil.
- 78415 TRAINER, L. R. Aspects of the food mobilization program of particular interest to food wholesalers. Washington, U. S. Prod. & Mktg. Admin., 1951. 5 p. 1.956 F732T68
Remarks at the Midyear Meeting of the National-American Wholesale Grocers' Association, Chicago, June 11, 1951.
- 78416 U. S. BUR. OF AGRICULTURAL ECONOMICS. Chief factors underlying general changes in rail freight rates, with special reference to farm products, 1910-51, by E. Limmer. Washington, 1951. 58 p. 1.941 M2C43
- 78417 U. S. BUR. OF AGRICULTURAL ECONOMICS. Markets for the products of Alaska cropland, by H. A. Johnson and W. Calhoun. Washington, 1950. 50 p. 100 AL122
Alaska Agricultural Experiment Station cooperating.
- 78418 U. S. CONGRESS. SENATE. SELECT COMMITTEE ON SMALL BUSINESS. Price discrimination and the basing point system. Hearings, 82d Cong., 1st sess., July 13, 16, 17, 18, 19, 23, 24, 25, 26, and 27, 1951. Washington, 1951. 351 p.
- 78419 U. S. PRODUCTION AND MARKETING ADMIN. Factors affecting freight rates on agricultural commodities: the railroad passenger deficit, by D. C. Leavens and R. G. Rhodes. Washington, 1951. 79 p. 1.956 T68F11
- 78420 VICTORIA. COUNTRY ROADS BOARD. Thirty-seventh annual report for year ended 30th June, 1950. Melbourne, 1951. 56 p. 288.9 V66
- 78421 WERNECKE, C. Die landwirtschaft als transportgewerbe. Tech. f. Bauern u. Gärt. Ausg. A 3:189-190. Apr. 10, 1951. 58.8 T223
- 78422 WILLIAMS, R. H. All farmers benefit from this evolution in distribution. Pa. Farmer 145:37, 58. July 28, 1951. 6 P383
Marketing Pennsylvania products.

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 78423 BROMFIELD, L. Pertinent remarks on poisons in food. Org. Farmer 3:17-19. Aug. 1951. 57.8 Or3
- 78424 BUDD, N. H. National Canners Association label program continues. Good Packaging 12(7):123-124. July 1951. 280.38 G59

- 78425 DAUBNEY, C. G. Food controls in Great Britain. I. Food Mfr. 26:321-325. Aug. 1, 1951. 389.8 F736
- 78426 DAY, F. M. Food and drink infections. Brit. Food J. 53:62-64. July 1951. 389.8 B77
- 78427 DUNBAR, P. B. Chemical additives in food. Calif. Fruit News 123(3283):4-5. June 9, 1951. 80 C12
- Food and drug standards and food contamination.
- 78428 DUNBAR, P. B. Report from the Food and Drug Administration. Assoc. Food & Drug Off. U. S. Q. B. 15:90-96. July 1951. 389.9 As7Q
- Food and drug enforcement.
- 78429 FLETCHER, P. Chemicals in food products. Amer. Acad. Appl. Nutr. Mon. Newslet. J. 4(6):3-6; (7):4-6. June-July 1951. 389.9 Am352
- Includes tolerance of insecticidal residues.
- 78430 HAMENCE, J. H. Food standards; adulteration and its control. Gt. Brit. Min. Food. B. 603:3-6. June 16, 1951. 389.9 G79B
- 78431 LEHMAN, A. J. Chemicals in foods: a report to the Association of Food and Drug Officials on current developments. Assoc. Food & Drug Off. U. S. Q. B. 15:82-89. July 1951. 389.9 As7Q
- 78432 LUTJE, F. Lebensmittelvergiftung, verursacht durch den Staphylococcus [i.e. Micrococcus pyogenes] aureus hämolyticus. Lebensmitteltierarzt 2:49-51. Apr. 1951. 41.8 L49
- 78433 MACLEAN, F. S. Importance of clean food. New Zeal. Dept. Health. Health 3:6-7. Mar. 1951. 449.8 H342
- Prevention of food poisoning.
- 78434 MILLER, C. R. The industry viewpoint of the value of uniform food standards and definitions. Assoc. Food & Drug Off. U. S. Q. B. 15:108-113. July 1951. 389.9 As7Q
- 78435 PIRRIE, P. Food poisoning—mold and rope. Bakers Wk. 151(5):27-29. July 30, 1951. 389.8 B172
- 78436 THOMSEN, G. R. Den nye levnedsmiddelov, der træder i kraft 1. januar 1951 [The new food law that becomes effective January 1, 1951]. Denmark. Stat. Hushrads. Faglige Meddel. 1950:33-40. 321.9 D41F
- 78437 WILLIAMS, O. B., and CAMPBELL, L. L., JR. The detection of heterofermentation by lactic acid bacteria. Food Technol. 5:306. July 1951. 389.8 F7398
- Food.

PACKING AND PACKAGING

- 78438 ALBANESE, F. Improving trade in agricultural products; the importance of packing techniques. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(46):6-7. June 27, 1951. 281.8 Ag3
- 78439 ANDLINGER, H. Das schraubglas als konservierungsbehelf. Österr. Landtech. 3:335-336. Dec. 1950. 58.8 L236
- 78440 FLUGGE, S. L. For protection keyed to the product: those synthetic can linings. Food Engin. 23(8):114-116, 158-159. Aug. 1951. 389.8 F737
- 78441 JORGENSEN, R. J. A foil success story; the tough but intriguing job of producing a barrier material for an Army food packet has resulted in benefits for civilian packaging. Good Packaging 12(7):145-152. July 1951. 280.38 G59
- Aluminum foil.
- 78442 LANDROCK, A. H., and PROCTOR, B. E. Free oil in packaged foods; a method of measuring resistance of container materials to stain from the product. Mod. Packaging 24(12):107-112. Ref. Aug. 1951. 309.8 M72
- 78443 LANDROCK, A. H., and PROCTOR, B. E. A new graphical interpolation method for obtaining humidity equilibria data, with special reference to its role in food packaging studies. Food Technol. 5:332-337. Aug. 1951. 389.8 F7398
- 78444 WIEDERHOLT, W. Die laboratoriumsprüfung von konservendosen- und milchkannennlacken. Chem. Tech. 3:110-114. (Concl.) Ref. Apr. 1951. 384 C4283
- 78447 CANONGE, H. Les prix agricoles et l'échelle mobile des salaires. Bouches du Rhône Agr. 23(1054):1. July 1, 1951. 14 B662
- 78448 CHATER, S. W. One must again think. (In Afrikaans.) Primary Prod. [Cape Town] 27(11):23. June 1, 1951. 281.8 P93
- Farm prices.
- 78449 CHOKSI, A. N. An appraisal of U. S. price-policies for agriculture. Indian J. Agr. Econ. 6(1,pt.2):159-164. Mar. 1951. 281.8 In2
- 78450 CHRISTIE, H. E. Farm price ratio down. Amer. Egg & Poultry Rev. 12(7):3, 48. July 1951. 47.8 Am38
- 78451 COCHRANE, W. W. An analysis of farm price behavior. Pa. Agr. Expt. Sta. Prog. Rpt. 50, 56 p. May 1951. 100 P381P
- 78452 COSMA, G. Prices in agriculture. (In Italian.) Rass. dell'Agr. Ital. 6(6):5-6. June 1951. 281.8 R18
- 78453 DANTWALA, M. L. Agricultural price goals and policy for a backward country. Indian J. Agr. Econ. 6(1,pt.2):144-147. Mar. 1951. 281.8 In2
- 78454 DISALLE, M. V. Indirect controls not enough! (Condensed.) Farm Policy Forum 4(8):14-16. Aug. 1951. 281.8 F2274
- Price control.
- 78455 FROMONT, P. Les prix agricoles et la mesure dans laquelle ces prix peuvent être soutenus. France. Min. de l'Agr. Rev. Etudes & Monog. 58:132-140. May 1951. 281.8 F84
- 78456 HEUGHAN, J. K. Price control through ages. Agr. Econ. 2(6):15-16, 30. Feb./Mar. 1951. 281.8 Ag332
- 78457 HJELM, L. The management economic consequences of farm price agreement. (In Swedish.) Skand. Kreatursförsäkringsbol. Manadsbl. 29:63-64. May 1951. 49.9 Sk1
- Chiefly on prices.
- 78458 JAKHADE, V. M. Fixation of agricultural prices in India during the post-war period. Indian J. Agr. Econ. 6(1,pt.2):176-189. Mar. 1951. 281.8 In2
- 78459 JONES, J. A. J. High-profit claims fade under probe of canners; Senate investigators find that farm prices actually are related to food costs—something that annual statements could have told them all along. Food Engin. 23(8):112-113. Aug. 1951. 389.8 F737
- 78460 KATKOFF, V. The price system in socialized agriculture. J. Mktg. 16:43-50. July 1951. 280.38 J82
- U. S. S. R.
- 78461 NATARAJAN, B. Agricultural price fixation in Madras State. Indian J. Agr. Econ. 6(1,pt.2):164-175. Mar. 1951. 281.8 In2
- 78462 PAGES. Évolution en 1950 des prix de gros de certains produits agricoles aux États-Unis, en Grande-Bretagne et au Danemark. France. Min. de l'Agr. Rev. Inform. Econ. et Statis. 59:173-175. June 1951. 281.8 F84
- 78463 PATHAK, H. N. Stabilisation of agricultural prices. Indian J. Agr. Econ. 6(1,pt.2):154-159. Mar. 1951. 281.8 In2
- 78464 PRAKASH, O. Statistical analysis of prices received and prices paid by the farmer in the Punjab, 1949-1950. East Punjab. Bd. Econ. Inq. P. 10, 43 p. 1950. 281.9 Ea72
- 78465 SCHWEIZERISCHES BAUERNSEKRETARIAT. Preise landwirtschaftlicher erzeugnisse und ernteerträge in der Schweiz, 1950. Landw. Jahrb. der Schweiz 65:339-386. 1951. 17 L23
- Text in French and German.
- 78466 SODERSTROM, O. The control of agriculture and its socio-economic effects. (In Swedish.) Sweden. Stat. Jordbrämsnd. Jordbrekon. Meddel. 13:239-249. June 1951. 257.3 J76
- English summary, p. 238.
- Chiefly on price control.
- 78467 TIMMERMANN, F. Erzeuger, verbraucher und preise. Landwirtbl. Weser-Ems 98:427-428. May 17, 1951. 18 L2345
- 78468 U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR. Consumers' price index. Hearings, 82d Cong., 1st sess. pursuant to H. Res. 73; hearings held at Washington, D. C., May 8, 9, 10, 11, 14, 15, 16, 17, 18, 21, 24, and June 29, 1951. Washington, 1951. 427 p.
- Includes food prices.
- 78469 ZACHARIAS, C. W. B. Fixation of agricultural prices in theory and practice. Indian J. Agr. Econ. 6(1,pt.2):148-154. Mar. 1951. 281.8 In2

PRICES, PRICE CONTROL, AND RATIONING

- 78445 BRANNAN, C. F. Taking the American farmer for a rough ride. Grain Prod. News 3(11):15-18, 29. May 1951. 286.81 G764
- Prices.
- 78446 CANADA. MARKETING SERV. ECONOMICS DIV. Ecarts entre les prix à la production et les prix à la consommation de quelques produits agricoles canadiens 1935-1949, by F. W. Hillhouse and F. M. Schrader. Ottawa, 1950. 38 p. 284.3 C1622Maf

PROCESSING AND STORAGE

- 78470 BERGH, F., and LUNDSTEDT, A. Den lille frysebog; vejledning i brug af frysebox og køleskab [The little freezing book; guide for using locker and refrigerator]. København, Danske Forlag, 1950. 71 p. 389.3 B453
- 78471 BERLIN, H. Heat sterilization of canned goods. (In Swedish.) Konserver 9:49-55. (To be cont.) May 1951. 389.8 K835
- 78472 BILLARDON, R. L'Institut de Recherches et d'Essais Frigorifiques "Louis-Morard" à Alger-Birman-dreis. Fruits 6:223-228. June 1951. 80 F9492
- 78473 BROMELL, J. R. Modernizing and operating grocery warehouses. U. S. Dept. Com. Dom. Com. Ser. 26,78 p. Mar. 1951. 157.54 D33
- 78474 CAMERON, E. J., and BOHRER, C. W. Food preservation with antibiotics: the problem of proof. Food Technol. 5:340-342. Aug. 1951. 389.8 F7398
- 78475 CANN, D. P. Food preservation and quick freezing. Grower [Adelaide] 5(9):18,20,22. Mar. 1951. 80 G912
- 78476 CAPEL, G. L., and ABRAHAMSEN, M. Frozen food locker plants in North Carolina. N. C. Agr. Expt. Sta. B. 374,24 p. June 1951. 100 N81
- 78477 CAPPELLI, O. Recent uses of pectin in food processing. (In Italian.) Indus. Ital. delle Conserve 26:21-23. Jan./Feb. 1951. 389.8 In23
- 78478 CRONSHAW, H. B. The science of canning. 1. Food Indus. So. Africa 4(2):39-43,45. June 1951. 389.8 F7372
- 78479 DEUTSCHER FORSCHUNGSRAT. Lista de colorantes no peligrosos en alimentos. An. de Bromatologia 3:11-16. 1951. 398.8 An1
English summary.
Report of a special commission to study the problem of food colorings.
- 78480 DÖRNER, H. Der Zustand der Milch in seiner Auswirkung auf das Dickungsvermögen von Stärken. (Abs.) Angew. Chem. 63:315. July 7, 1951. 384 Z33
- 78481 DOYLE, E. S. For high quality & greater output, keep your plant clean. Canner 113(5):14,16-17. Aug. 4, 1951. 286.83 C16
- 78482 DOYLE, E. S. The role of sanitation in production and quality control. Canning Trade 74(3):7-8. Aug. 6, 1951. 286.83 T67
In the food industry.
- 78483 EMANUELE, F. Industria delle conserve; teoria e tecnica della conservazione degli alimenti [Preserving industry; theory and technique of food preservation]. Ed. 3. Milano, Hoepli, 1950. 584 p. 389.3 Em1
- 78484 GOODRICH, H. E. Processed foods gain vital issue. West. Grower & Shipper 22(9):25,28-29. Aug. 1951. 280.38 W52
- 78485 GOULD, M. It's getting to be a habit! Butchers' Advocate 130(7):8-11. Aug. 15, 1951. 286.85 B97
On the frozen food industry.
- 78486 GRUPP, G. W. Diesels in the food industries. Diesel Power & Diesel Transportation 29(8):51. Aug. 1951. 291.8 D562
- 78487 HAMMOND, J. College of food technology. Sci. Worker 6(3):12-13. May 1951. 382 Sci2
Establishment of a National College of Food Technology in London.
- 78488 HARE, J. H. A study of some chemical changes related to the browning of foods during storage. W. Va. Acad. Sci. Proc. 22:59-68. 1950. 500 W52
- 78489 HARRIS, H. Sub-zero cooking in America. (In Italian.) Cron. Econ. 100:32-33. Apr. 1951. 280.8 C882
Quick freezing industry.
- 78490 HUMPHREY, H. J. Temperatures for frozen foods. Ice & Refrig. 121(2):52,54,56,58. Aug. 1951. 295.8 Ic2
- 78491 INSKEEP, G. C., and others. Food yeast from sulfite liquor. Indus. & Engin. Chem. 43:1702-1711. Ref. Aug. 1951. 381 J825
A. J. Wiley, J. M. Holderby, and L. P. Hughes, joint authors.
- 78492 LIEBSCHER, W. Biologische eiweiss-synthese. Verssta. f. das Gärungsgewerbe. Mitt. 5:35-36. Mar./Apr. 1951. 390.08 V67
- 78493 MANZ, E. Vom sommerlichen, richtigen haltbarmachen. Landfrauenarbeit 24:187-188,197-198, 205-207. (Concl.) June 16-30, 1951. 18 L2347
Home preservation of food.
- 78494 MARILLER, C. Distillerie agricole et industrielle; levurerie, sous-produits. Paris, Baillière, 1951. 632 p. (Nouvelle Encyclopédie Agricole) 388 M33D
- 78495 MELINE, P. A. How proper storage of materials can pay dividends. I. Bakers' Helper 96(1201):47-54. Aug. 4, 1951. 389.8 B17
- 78496 MIALKI. Zerkleinerung von weichstoffen in der lebensmittelverarbeitung. (Abs.) Angew. Chem. 63:315. July 7, 1951. 384 Z33
- 78497 MOORJANI, M. N., and BHATIA, D. S. Food processing & preservation—some recent developments. J. Sci. & Indus. Res. 10A:250-251. Ref. June 1951. 475 J82
India.
- 78498 MURRAY, R. V. Food storage: how to use pallets in the cannery. 3. Food Indus. So. Africa 4(2):38, 49. June 1951. 389.8 F7372
- 78499 NATIONAL RESEARCH COUNCIL. PREVENTION OF DETERIORATION CENTER. Prevention of deterioration, advance list, July 1951. Washington, 1951. various pagings. 241.4 N217
Includes fungicides, leather, textiles and wood.
- 78500 PARKER, M. E. Food engineering as a profession. Food Technol. 5:284-287. July 1951. 389.8 F7398
- 78501 RIBEREAU-GAYON, J., PEYNAUD, E., and LAFOURCADE, S. Sur l'influence de l'aération au cours de la fermentation. Indus. Agr. et Aliment. 68:141-150. Mar./Apr. 1951. 383 As7
English summary.
- 78502 SCHULZE, K. L. Beiträge zur physiologie und technologie der fettbildung bei mikroorganismen. Arch. f. Mikrobiol. 15:315-351. Ref. 1951. 442.8 Ar26
- 78503 STOKELY, A. J. How coordinated expansion secures top label foods at low cost. Food Engin. 23(8):80-82,153. Aug. 1951. 389.8 F737
Program of Stokely-Van Camp.
- 78504 TAGGART, R. S. Food plant sanitation. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:137-140,142-145. May 1951. 44.9 N4833
- 78505 THOMPSON, M. H. The education of food establishment employees by flip charts. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:147-150,152. May 1951. 44.9 N4833
Sanitation.
- 78506 VAN BLARICOM, L. O., and others. Freezing foods for home use. Clemson Agr. Col. S. C. Ext. B. 110, rev., 28 p. June 1951. 275.29 So8F
J. B. Cooper, R. F. Wheeler, K. F. Warner, and M. Martin, joint authors.
- 78507 WALLENSTEEN, R. Djupfrysningens ABC; handledning för husmödrar [ABC of deep freezing; guide for housewives]. Linköping, Östgöten, 1950. 24 p. 389.3 W15
- 78508 WEGNER, H. Über reinigungsmöglichkeiten von stärken. (Abs.) Angew. Chem. 63:314-315. July 7, 1951. 384 Z33
- 78509 WISNIEWSKI, T. F. How water pollution control affects canners. Canner 112(22):25,28. June 2, 1951. 286.83 C16
Also in Amer. Grocer 165(26):2. June 27, 1951. 286.83 Am32
- 78510 ZANZUCCHI, A. Preservation of foods and food poisoning. (In Italian.) Indus. Ital. delle Conserve 26:1-6. Ref. Jan./Feb. 1951. 389.8 In23

STATISTICS

- 78511 ARKANSAS. AGRICULTURAL EXPERIMENT STATION. 1950 agricultural statistics for Arkansas. Ark. Agr. Expt. Sta. Rpt. Ser. 26, 48 p. June 1951. 100 Ar42R
U. S. Bureau of Agricultural Economics cooperating.
- 78512 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Production. II. Primary industries, 1948-49. Canberra, 1950. 140 p. 271 Au72P
- 78513 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Report on food production and the consumption of foodstuffs and nutrients in Australia, No. 5, 1949-50 by R. Wilson. Canberra, 1951. 42 p. 389.9 Au76
- 78514 AUSTRALIA. STATISTICIAN. Pocket compendium of Australian statistics, No. 36: 1951. Canberra, 1951. 220 p. 271 Au72Pc
Includes agricultural statistics.
- 78515 CEYLON. DEPT. OF CENSUS & STATISTICS. Census of Ceylon 1946; v. I, pt. II—Statistical digest, by A. G. Ranasinha. Colombo, 1951. 424 p. 269.5 C333
Includes agriculture.

78516 COSTA RICA. DIRECCIÓN GENERAL DE ESTADÍSTICA Y CENSOS. Población activa por rama de actividad, Provincia de Heredia. Costa Rica. Ofic. de Censos. B. Inform. 2(16/17), 8 p. May/June 1951. 254 C827

Includes population engaged in agriculture and data from the agricultural census.

78517 DENMARK. STATISTISKE DEPT. Det Statistiske Departement 1920-1950. Le Département de Statistique 1920-1950. Denmark. Statis. Dept. Statis. Meddel. 139, 153 p. July 15, 1951. 257.1 St2M

Preface and table of contents also in French.

Includes agricultural statistics.

78518 DODSON, J. C., and MILLIGAN, C. C. Japanese crop and livestock statistics, 1878-1950. Supreme Commander Allied Powers. Nat. Resources Sect. Rpt. 143, 133 p. June 1951. 280.9 AL5

78519 DOMINICAN REPUBLIC. DIRECCION GENERAL DE ESTADISTICA. Anuario estadístico de la República Dominicana, 1946-1947. Ciudad Trujillo, 1951. 731 p. 254.8 D719

Contains agricultural statistics.

78520 FRANCE. MINISTÈRE DE L'AGRICULTURE. BUR. DE LA STATISTIQUE. La campagne agricole 1949-1950. France. Min. de l'Agr. Rev. Inform. Econ. et Statis. 59:141-143, 145-147. June 1951. 281.8 F84

78521 ITALY. ISTITUTO CENTRALE DI STATISTICA. Compendio statistico italiano 1951 [Compendium of Italian statistics]. Rome, 1951. 296 p. 261 Is7C

Includes agricultural statistics.

78522 NEBRASKA. DEPT. OF AGRICULTURE AND INSPECTION. Nebraska agricultural statistics; annual report, 1949. Lincoln, 1950. 88 p. 2 N274

Issued by State-Federal Division of Agricultural Statistics; U. S. Bureau of Agricultural Economics, cooperating.

78523 ONTARIO. DEPT. OF AGRICULTURE. STATISTICS BR. Annual report, 1950. Toronto, 1951. 97 p. 253.6 In2R

78524 PERU. MINISTERIO DE AGRICULTURA. SECCIÓN PROPAGANDA, BIBLIOTECA Y PUBLICACIONES. Estimado del área cultivada y cultivable del Perú; estadística de la extensión de los principales cultivos y de la producción correspondiente en general y por departamentos, año 1948. Lima, 1950. folder. 255.8 P432

78525 SJÖSTRAND, J. Sweden's agriculture during 1940. (In Swedish.) Lantmannen 35:549-551. July 14, 1951. 11 L234

Statistics.

78526 U. S. BUR. OF AGRICULTURAL ECONOMICS. DIV. OF FIELD CROP STATISTICS. Fluctuations in crops and weather, 1866-1948. U. S. D. A. Statis. B. 101, 183 p. June 1951. 1 Ag84St

78527 WEST PUNJAB. BOARD OF ECONOMIC INQUIRY. Agricultural statistics of the Punjab (Pakistan), 1947-1949. West Punjab. Bd. Econ. Inq. P. 97(sup.1), 20 p. 1951. 281.9 In2

BEVERAGES AND CONDIMENTS

78528 ALIENES UROSA, J. El equilibrio del mercado del café en Cuba. In Cuba. Comisión Técnica del Café. Libro blanco de la Comisión, p.45-105. Habana, Banco de Fomento Agrícola e Industrial de Cuba, 1951. 68.29 C892

78529 ALIKONIS, J. J., and FARRELL, K. T. Improvement of cocoa-type coating for use in Army rations. Confectioners J. 77(919):40-41, 51-52. Aug. 1951. 389.8 C76

Also in Food Technol. 5:288-290. July 1951. 389.8 F7398

78530 ALMQUIST, O. Vinberedning; anvisningar och recept för vinberedning med ädeljäst av alla ätbara bär och frukter [Wine making; directions and recipes for making wine from all edible berries and fruits with wine yeast]. Ed. 9. Hålsingborg, 1950. 85 p. 390.1 AL6

78531 AMORÓS G., R., and DUQUE, J. P. La Comisión Nacional del Café. México, Ruta, 1950. 123 p. (Temas Mexicanos, 5) 68.29 M57

78532 ANGELI, A. Contribution to the solution of the problem of alcoholic gradation of wine by the ebullimetric method. (In Italian.) Seme 2:187-188. Aug. 1950. 16 Se5

78533 ARTEAGA ORTEGA, J. Análisis del mercado del café en Cuba. In Cuba. Comisión Técnica del Café. Libro blanco de la Comisión, p.151-189. Habana, Banco de Fomento Agrícola e Industrial de Cuba, 1951. 68.29 C892

78534 ATKINSON, R. E. Nearly 70 years of exchange history demonstrates need for futures market. Tea & Coffee Trade J. 101(1, anniversary sect.):90-93. July 1951. 68.8 T22

New York Coffee and Sugar Exchange.

78535 BABET-CHARTON, H. Preparez de bons "vins de fruits" pour la table et le dessert. Rustica 24:535. June 10, 1951. 14 R92

78536 BABET-CHARTON, H. Preparez de savoureux liqueurs avec les fleurs. Rustica 24:644, 653, 660. July 15, 1951. 14 R92

78537 BAKER, G. A., AMERINE, M. A., and ROESSLER, E. B. Fractional blending systems for aging alcoholic beverages. Food Technol. 5:304-305. July 1951. 389.8 F7398

78538 BALZAC, R. P. Increase in Colombian coffee crops expected to continue in the future. Tea & Coffee Trade J. 101(1, anniversary sect.):22, 24. July 1951. 68.8 T22

78539 BAQUÉ, Z. L'Armagnac. Terre d'Oc 33:193-200. (Cont.) June 1951. 14 Ar5

On the wine industry.

78540 BARNARD, A. Instant coffee use and manufacture stimulated by demand in World War II. Tea & Coffee Trade J. 101(1, anniversary sect.):50, 52, 108. July 1951. 68.8 T22

78541 BENNETT, W. H. Memories of the past fifty years and the changes in the coffee trade. Tea & Coffee Trade J. 101(1, anniversary sect.):8-9, 122-123. July 1951. 68.8 T22

78542 BOOTH, J. J. Flexible tea merchandising methods keep pace with the changing times. Tea & Coffee Trade J. 101(1, anniversary sect.):46-47. July 1951. 68.8 T22

78543 CABRERA ALVAREZ, C. P. I. Estudio sobre la industria de torrefacción de café en Cuba, enfocado hacia la clase mediana de dicha industria. La Habana, abril de 1951. In Cuba. Comisión Técnica del Café. Libro blanco de la Comisión, p.465-475. Habana, Banco de Fomento Agrícola e Industrial de Cuba, 1951. 68.29 C892

78544 CALIFORNIA. AGRICULTURAL EXPERIMENT STATION, BERKELEY. A survey of factors contributing to high wine consumption in European countries (particularly France), by R. L. Adams. Berkeley, 1950. 39 p. 281.368 C12

Contribution from Giannini Foundation of Agricultural Economics.

78545 CAMPBELL, I. M. Reminiscences of a vintner. London, Chapman & Hall, 1950. 276 p. 390.1 C15

78546 CARRION, P. Nuevo procedimiento de vinificación continua. Badajoz, Diputación Prov. B. de Inform. Agr. y Ganad. 9(84):5-9. Feb. 1951. 15 B14

78547 CASTELLINI, A. Tuscan wines and the viticultural crisis. (In Italian.) Agr. Tosc. 6:161-164. May 1951. 16 Ag827

78548 CHAUVET, J. La dégustation des vins, son mécanisme et ses lois. Bourguignon Vitic. 80:2-3. July 1951. 95.8 B66

78549 COLOMER, R. La competencia desleal e ilegal. Ceres [Valladolid] Sup. Inform. 16(439):12. June 15, 1951. 15 C33 Suppl

Manufacture of alcohol from wine.

78550 COOPERATIVA CAFETEROS DE PUERTO RICO. Informe del Gerente General Sr. Ramiro L. Colón, vigésimasexta asamblea anual de socios, domingo 11 de marzo de 1951, Parque Paquito Montaner, Ponce. Rev. del Café 6(10):6-11, 13-14. Mar. 1951. 8 R3295

78551 COSMO, I. Wine making societies of Vicentino. (In Italian.) Agr. delle Venezie 5:224-225. Apr. 1951. 16 Ag826

78552 CUBA. COMISIÓN TÉCNICA DEL CAFÉ. Libro blanco de la Comisión, designada por el Gobierno para el estudio de los problemas de abastecimiento y precio y de política económica del café. Habana, Banco de Fomento Agrícola e Industrial de Cuba, 1951. 667 p. 68.29 C892

78553 DALMASSO, G. From cooperative wine cellars to the wine centrals. (In Italian.) Colt. e Gior. Vinic. Ital. 97:129-131. May 15, 1951. 16 C72

78554 DALMASSO, G. Swiss teachings. (In Italian.) Colt. e Gior. Vinic. Ital. 97:161-162. June 15, 1951. 16 C72

The Swiss wine industry.

78555 DALMASSO, G. Underconsumption of wine an abused expression? (In Italian.) Colt. e Gior. Vinic. Ital. 97:97-98. Apr. 15, 1951. 16 C72

- 78556 DANNEMILLER, A. J. An oldtimer in the coffee trade finds both improvement and progress. *Tea & Coffee Trade J.* 101(1, anniversary sect.):85-86. July 1951. 68.8 T22
- 78557 DEHMEL, A. Die milchbestandteile bei vollmilchschokolade. *Zucker- u. Süßwaren-Wirt.* 4:394. May 25, 1951. 286.86 Z8
- 78558 DOBISLAW, E. Die verwendung der edelbranntweine in der likörfabrikation. *Brantweinwirtschaft* 5:203-204. June 25, 1951. 390.8 B7322
- 78559 EASTON, N. R., KELLY, D. J., and BARTRON, L. R. Jiffy test of chocolate temper. *Food Engln.* 23(8):147,155-156. Aug. 1951. 389.8 F737
- 78560 FABIANI, F. Wine. (In Italian.) *Seme* 2:196-197. Sept. 1950. 16 Se5
- 78561 FAIRCHILD, K. Function of the green coffee broker in the ever changing coffee market. *Tea & Coffee Trade J.* 101(1, anniversary sect.):86,88. July 1951. 68.8 T22
- 78562 FENNIMAN, G. E. Coffee unloading and warehousing speeded up greatly in past 50 years. *Tea & Coffee Trade J.* 101(1, anniversary sect.):60,105. July 1951. 68.8 T22
- 78563 FINCKE, H. Kakaoschalen und kakaogrüns keine rohstoffe für zuckerwaren. *Zucker- u. Süßwaren-Wirt.* 4:318. Apr. 20, 1951. 286.86 Z8
- 78564 FINCKE, H. Die notwendigkeit eindeutiger sprachlicher fassung bei lebensmittelrechtlichen vorschritten; bei der auslegung der kakaoverordnung von 1933 entstandene meinungsverschiedenheiten und ihre ursachen. *Zucker- u. Süßwaren-Wirt.* 4:349-352. May 5, 1951. 286.86 Z8
Germany.
- 78565 FINCKE, H. Strittige fragen aus dem gebiete kakaohaltiger lebensmittel und der kakaoverzeugnisse. (Abs.) *Angew. Chem.* 63:315. July 7, 1951. 384 Z33
- 78566 FINCKE, H. Über die geringstzulässige zusammensetzung- und verarbeitungsgüte von schokolade und milchschokolade. *Zucker- u. Süßwaren-Wirt.* 4:520-521. July 5, 1951. 286.86 Z8
Regulation in Germany.
- 78567 FOUILLAND, G. La viticulture méridionale en péril. *Réveil Agr.* 60:164-165. June 1, 1951. 14 R322
French wine industry.
- 78568 FRANKE, W. Grundzüge in der entwicklung der enzymchemie. III. Brauwissenschaft 7:101-105. Ref. July 1951. 390.8 B733
English summary.
Brewing.
- 78569 FRIEDMANN, G. Cooperative wine manufacturing societies and wine making technique. (In Italian.) *Mondo Agr.* 2(18):4. May 6, 1951. 16 M74
Italy.
- 78570 FRIEDMANN, G. Statutes of the cooperative wine manufacturing societies. (In Italian.) *Mondo Agr.* 2(17):5. Apr. 29, 1951. 16 M74
Italy.
- 78571 FRIEDRICH, K. Das bierfass und die wissenschaft. *Brauwelt* 28:581-582. July 12, 1951. 390.8 B732
- 78572 FROLOV-BAGREEV, A. M. Preservation of [wine] yeasts. (In Russian.) *Vinodel. i Vinograd. SSSR.* 11(1):24-25. Jan. 1951. 95.8 V77
By drying.
- 78573 GABEL, W. Kakao und schokolade in der amerikanischen nahrungsmittelgesetzgebung. *Zucker- u. Süßwaren-Wirt.* 4:521-522. July 5, 1951. 286.86 Z8
- 78574 GALLO, G. Progress, ally, and no ambush. (In Italian.) *Seme* 2:233-234. Oct. 1950. 16 Se5
The Italian wine industry.
- 78575 GEBHARDT, G. Die keimfreimachung von biersversandgefassen. *Brauwelt* 29:593-598. July 19, 1951. 390.8 B732
- 78576 GIOVANNOLZI, M. Research on the product "Meilit." (In Italian.) *Tabacco* 55:168-173. May 1951. 69.8 T115
Used in wine industry.
- 78577 GOUY, L. P. DE. Como tuvo su origen el champaña. *Agr. Austral* 19:157. Apr. 1951. 9.3 Ag842
- 78578 GRAFF, Y. Etude sur la composition chimique des cidres, ses rapports avec divers facteurs: qualité, crûs, pommes, levures etc. *Indus. Agr. et Aliment.* 68:165-167. Mar./Apr. 1951. 383 As7
English summary.
- 78579 GUALCO, L. In the wine manufactory: fermentation vats in masonry. (In Italian.) *Terra e Sole* 107:276. July 1951. 16 T273
- 78580 GURRI, F. La legislación del café. In Cuba. *Comisión Técnica del Café. Libro blanco de la Comisión,* p.107-149. Habana, Banco de Fomento Agrícola e Industrial de Cuba, 1951. 68.29 C892
- 78581 HAESELER, G. Analytische kennzahlen von edelbranntweinen. *Brantweinwirtschaft* 5:205-207. June 25, 1951. 390.8 B7322
- 78582 HAESELER, G. Was sind edelbranntweine? *Brantweinwirtschaft* 5:201-203. June 25, 1951. 390.8 B7322
- 78583 HARRINGTON, L. Spice of industry. *Food Canada* 11(8):24,26,28. Aug. 1951. 389.8 F7323
- 78584 HARRISON, G. A soluble coffee manufacturer presents the case for his product. *Tea & Coffee Trade J.* 101(2):30-31. Aug. 1951. 68.8 T22
- 78585 HEGER, W. S., JR. The future of wooden coo-
erage for wine. *Wines & Vines* 32(6):21. June 1951. 95.8 C122
- 78586 HENNIG, K., and BURKHARDT, R. Die polaro-
graphische bestimmung der äpfelsäure im wein. *Z. f. Lebensmtl.-Untersuch. u. -Forsch.* 92:245-252. Apr. 1951. 384 Z39
- 78587 HERRERA MARTÍ, E. Memorandum sobre el café. In Cuba. *Comisión Técnica del Café. Libro blanco de la Comisión,* p.416-437. Habana, Banco de Fomento Agrícola e Industrial de Cuba, 1951. 68.29 C892
The industry.
- 78588 HESS, E. Die erzeugung haltbarer biere unter besonderer berücksichtigung steriler arbeitsweise vor der abfüllung. *Verssta. f. das Gärungsgewerbe. Mitt.* 5:34-35. Mar./Apr. 1951. 390.08 V67
Austria.
- 78589 HINKLE, F. S. Rapid progress in coffee bag making expands use of this type container. *Tea & Coffee Trade J.* 101(1, anniversary sect.):62,104-105. July 1951. 68.8 T22
- 78590 HOCHSTRASSER, R. Über die verwendung von aluminium in der getränke-industrie. 2. Schweiz. *Z. f. Obst- u. Weinbau* 60:267-269. (Concl.) July 14, 1951. 80 Sch9
- 78591 HUXLEY, G. A half century of tea promotion. *Tea & Coffee Trade J.* 101(1, anniversary sect.):5,123. July 1951. 68.8 T22
- 78592 INDIA: DEPT. OF AGRICULTURE. DIREC-
TORATE OF ECONOMICS AND STATISTICS. Indian cof-
fee statistics, 1943-44 to 1947-48. Calcutta, 1950. 17 p. 269.5 C733
- 78593 INDIA: DEPT. OF AGRICULTURE. DIRECTO-
RATE OF ECONOMICS AND STATISTICS. Indian tea
statistics 1943 to 1947. Delhi, Manager P., 1950. 53 p. 68.19 In22
- 78594 INDIAN COFFEE BOARD. Tenth annual re-
port, 1949-50, v. 1. Chickpet, Bangalore City, 1950. 183 p. 68.29 In23
- 78595 INSTITUTO DE CACAU DA BAHIA. COOPERA-
TIVA DE CONSUMO DOS FUNCIONÁRIOS. Report. (In
Portuguese.) *Coop [Bahia]* 9(86):13-14. Jan. 1951. 280.28 C7842
- 78596 INTERNATIONAL TEA COMMITTEE. Report
for the period from 1st April 1950 to 31st March 1951. London, 1951. 29 p. 68.19 In8R
- 78597 KAPPELLER, K. Die argentinische gesetz-
gebung für kakao und schokolade. *Zucker- u. Süßwaren-Wirt.* 4:414. May 25, 1951. 286.86 Z8
- 78598 KARTAL, K., and ZIHNIÖGLU, A. La planta-
tion du thé en Turquie, son développement actuel et son
avenir. (In Turkish.) *Türkiye Cumhuriyeti Ziraat*
Bankası. Uç Ayda Bir Çıkar 19:185-198. July/Sept. 1950. 1950. 280.9 T842
- 78599 KEEGEL, E. L. Tea in Ceylon. *Ceylon Trade*
J. 16:187-195. Apr. 1951. 286.8 C333
The industry.
- 78600 KEMPTON, J. H. Grenada—the nutmeg isle. 1.
Coffee & Tea Indus. 74(8):59-60. Aug. 1951. 389.8 Sp4
- 78601 KERR, H. Le café à Madagascar. *Rev. Inter-
natl. des Prod. Colon.* 26:118-120. May 1951. 286.8 R326
The industry.
- 78602 KOCH, J. Laboratory controls; normal tests
carried out in chocolate factories. *Confectionery Prod.* 17:483,485. July 1951. 389.8 C762
Similar title in *Mfg. Confectioner* 31(8):20-21. Aug. 1951. 389.8 M31
- 78603 KOCKOVÁ-KRATOCHVÍLOVÁ, A. Quarternary
ammonium compounds as disinfectants in breweries. (In
Czech.) *Českoslov. Akad. Zeměděl. Sborn.* 23:349-354. Mar. 1951. 19.5 C332
English summary.

- 78604 KRAFFT, O. Die branntweinherstellung der obstbesitzer, die keine eigene brennerei besitzen. Branntweinwirtschaft 5:129-130,176. Apr.25,May 30,1951. 390.8 B7322
- 78605 KREIPE, H., and NIEDERLAG, W. Erfahrungen bei grungstechnischen beratungen in kornbrennereien. Branntweinwirtschaft 5:166-170. May 30,1951. 390.8 B7322
- 78606 LACOSTE, H. Valeur de l'eau-de-vie entreposée. Agro d'Angers 29:130-131. May 1951. 105.3 An4
- 78607 LAURENS. Les vins délimités de qualité supérieure. Soc. des Agr. d'Algérie. B. 95:124-135. 1950/51. 24 Sol
- 78608 LEGGIERI, G. New system of determination of volatile acidity of wine by direct exclusion of sulfur dioxide. (In Italian.) Chimica 6:157-159. Apr.1951. 385 C445
- 78609 LEWIS, R. A. Veteran tea man looks into the future and asks some pertinent questions. Tea & Coffee Trade J. 101(1, anniversary sect.):82-83. July 1951. 68.8 T22
- Situation and outlook.
- 78610 LHOMME, E. J. Technologie du thé. Saigon, Institut des recherches agronomiques de l'Indochine,1950. 60 p. 68.1 L61
- 78611 LÓPEZ FRESQUET, R. Informe de la Comisión al Gobierno. In Cuba. Comisión Técnica del Café. Libro blanco de la Comisión, p.9-33. Habana,Banco de Fomento Agrícola e Industrial de Cuba,1951. 68.29 C892
- Report on the Cuban coffee industry.
- 78612 LUR-SALUCES, MARQUIS DE. L'appellation d'origine et les grands vins de Bordeaux. Paysan Franç. 27(402):14-15. June 1951. 14 P29
- 78613 MACKAYE, P. Evolution of coffee roasting machines is toward a goal of better cup quality. Tea & Coffee Trade J. 101(1,anniversary sect.):10-11,124. July 1951. 68.8 T22
- 78614 MARTIN, F. L'Institut du Café et du Cacao. Rev. Internatl. des Prod. Colon. 26:105-107. May 1951. 286.8 R326
- 78615 MENEZES, V. DE. The rise in coffee and the middleman. (In Portuguese.) Divulg. Coop. 17:8. Mar. 1951. 280.28 R47
- 78616 MIRA, E. (HJO). Bodegas cooperativas: la recepción de la uva. Cooperación [Madrid] 110:20-21. Apr. 1951. 280.28 C7875
- Spain.
- 78617 MIRRADC, J. H. M. A few notes on the social and economic importance of coffee growing in Cazengo. (In Portuguese.) Agron. Angolana 4:65-104. 1950. 24 Ag83
- English summary.
- 78618 MONTERISI, V. Protection of wine in Parliament. (In Italian.) Rass. dell'Agr. Ital. 6(1):5-9. Jan. 1951. 281.8 R18
- 78619 MOONEY, W. Advertise coffee for the local market. Tea & Coffee Trade J. 101(1, anniversary sect.):68-70,104. July 1951. 68.8 T22
- 78620 NASH, J. Coffee and tea package design, past-present-future. Tea & Coffee Trade J. 101(1, anniversary sect.):64,66-67. July 1951. 68.8 T22
- 78621 NAVELLIER, E. Pour une plus grande consommation du jus d'orange; un appareil de distribution automatique de jus. Fruits 6:241-244. June 1951. 80 F9492
- 78622 NÈGRE, E. Répartition et vinification des vendanges d'hybrides. Prog. Agr. et Vitic. 136:57-65. July 29,1951. 14 P94
- 78623 NÈGRE, E. Vins de vendanges eudémisées. Prog. Agr. et Vitic. 136:32-35. July 15/22,1951. 14 P94
- 78624 NEUMAN, J. S. Need industry public relations to tell the true coffee story. Tea & Coffee Trade J. 101(1, anniversary sect.):102,140-141. July 1951. 68.8 T22
- 78625 OX. Vins à mauvais goûts accidentels. Terre d'Occ 33:210-212. June 1951. 14 Ar5
- 78626 PARREIRA, A. M. Brief history of the Port of Santos—world's greatest coffee export port. Tea & Coffee Trade J. 101(1,anniversary sect.):6-7,123-124. July 1951. 68.8 T22
- 78627 PATRON, A., and GUELPA, H. Boissons gazeifiées à base de jus de fruits. Fruits 6:285-290. Ref. July 1951. 80 F9492
- 78628 PETITHUGUENIN, P. Le thé. Rev. Internatl. des Prod. Colon. 26:111-112. May 1951. 286.8 R326
- History.
- 78629 PETROSIAN, F. G., and SARKSIAN, A. A. The influence of spraying grapes with DDT compounds on fermentation and quality of wine. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk. 3:353-354. 1950. 20 Er4
- 78630 QUIGNON-FLEURET, E. Les cafés d'outremer sur le marché français. Rev. Internatl. des Prod. Colon. 26:113-114. May 1951. 286.8 R326
- 78631 RAY, J. A. Modern coffee handling and shipping reduces charges by efficient loading. Tea & Coffee Trade J. 101(1,anniversary sect.):30,32. July 1951. 68.8 T22
- Transportation from Brazil.
- 78632 RAYNER, R. W. Bricky flavour. Coffee Bd. Kenya. Mon. B. 16:90-91. Apr.1951. 68.29 C652
- 78633 RAYNER, R. W. A note on onion flavour. Coffee Bd. Kenya. Mon. B. 16:60. Mar.1951. 68.29 C652
- 78634 REICH. Determination of sugar in musts. (In Italian.) Seme 2:203. Sept.1950. 16 Se5
- 78635 RENTSCHLER, H. Über die beurteilung und die verwendung von filtrationsenzymen für die getränkebehandlung. Schweiz. Z. f. Obst- u. Weinbau 60:282-284. July 28,1951. 80 Sch9
- 78636 RENTSCHLER, H., and TANNER, H. Über die kupfersulfit-trübung von weissweinen und süssmosten. Schweiz. Z. F. Obst- u. Weinbau 60:298-301. Aug.11, 1951. 80 Sch9
- 78637 RIVEROS, J. E. La situación de la industria vitivinícola. Vinos, Viñas y Frutas 45:480-482. May 1951. 9 Ag89
- Argentina.
- 78638 ROBERTS, E. A. H., and WOOD, D. J. The amino-acids and amides of fresh and withered tea-leaf. Cur. Sci. 20:151-153. June 1951. 475 Sci23
- 78639 ROCHAC, A. Presente y futuro del café. In Cuba. Comisión Técnica del Café. Libro blanco de la Comisión, p.191-233. Habana,Banco de Fomento Agrícola e Industrial de Cuba,1951. 68.29 C892
- 78640 ROMANO, J. Wine at home. Org. Gard. 19(2):50-52. Aug.1951. 56.8 Or3
- Manufacture.
- 78641 ROY, E. Les appellations contrôlées, défense de la qualité. Vignoble Girondin 27(306):1. (Cont.) Apr. 15,1951. 95.8 V683
- 78642 SABOIA, E. Development of coffee production in the state of Parana, Brazil. Tea & Coffee Trade J. 101(1,anniversary sect.):20,112. July 1951. 68.8 T22
- 78643 SALEIX, C. Les épices secondaires. Marchés Colon. 7:1818-1819,1874-1875. (Cont.) July 7,14,1951. 286.8 M33
- The industry.
- 78644 SARINA. Slechts het fijnste, thee in Indonesië [Only the finest, tea in Indonesia]. 's-Gravenhage,1950. 56 p. (Padi Reeks) 68.1 Sa7
- 78645 SCHANDERL, H., and KOCH, J. Die fruchtweinbereitung; ein wegweiser für gewerbe und haushalt. Ed. 3. Stuttgart,Ulmer,1951. 71 p. (Grundlagen und Fortschritte im Garten- und Weinbau, Heft 53) 390.1 Sch12
- 78646 SCHILD, E., and FISCHER, H. Ueber die verwendung von spezialmalzen zur verbesserung der bierstabilität. Brauwissenschaft 7:99-100. July 1951. 390.8 B733
- 78647 SILVEIRA, A. H. DA. Raw materials for the manufacture of brandies. (In Portuguese.) Chacaras e Quintais 83:741-742. June 15,1951. 9.2 C34
- 78648 SMITH, W. B. Tea—three generations of neglect? Tea & Coffee Trade J. 101(1,anniversary sect.) 26,28,111-112. July 1951. 68.8 T22
- The tea market in the United States.
- 78649 SWAINE, R. L., and BELL, V. P. The flavor profile—a method for measuring beer "taste-appeal." II. Mod. Brewery Age 46:25-26,91. July 1951. 390.8 M72
- 78650 SZILVINYI, A. Der stickstoffstoffwechsel der bierhefe. Verssta. f. das Grungsgewerbe. Mitt. 5:45-54. Mar./Apr.1951. 390.08 V67
- 78651 TALLARICO, G. The virtues of wine. (In Italian.) Italia Agr. 88:323-328. June 1951. 16 It1
- 78652 THE TEA industry: a review of world production. World Crops 3:292-296. Aug.1951. 281.8 W892
- 78653 THORNE, R. S. W. Mechanismen der stickstoff-assimilation durch hefe und ihre beziehung zum problem des hefewachstums in der wrte. II. Brauwissenschaft 7:108-109. Ref. July 1951. 390.8 B733
- 78654 VAECK, S. V. Influence des constituants insolubles et solubles du cacao sur le dosage des sucres dans les chocolats. Indus. Agr. et Aliment. 68:151-161. Ref. Mar./Apr.1951. 383 As7
- English summary.
- 78655 VALENCIA M., M. Consejos a los cultivadores de café. Rev. Agr. y Ganad. 13(132):22-23. Jan.1951. 9.4 R327
- Chiefly processing.

78656 VAN BLARICOM, L. O., and MARTIN, J. A. Retarding the loss of red color in cayenne pepper with oil antioxidants. *Food Technol.* 5:337-339. Aug. 1951. 389.8 F7398

78657 VENEZUELA. DIRECCION DE AGRICULTURA. SECCION DEL CACAO. The processing of fresh cacao seeds (El beneficio de las almendras del cacao), by M. Palma. Brooklyn, 1951. 33 p. 68.3 V5522Ae

78658 VINTIKA, J. A contribution to the microbiological testing of carbonated beverages (lemonades). (In Czech.) *Ceskoslov. Akad. Zeméděl. Sborn.* 23:332-343. Ref. Mar. 1951. 19.5 C332C
English summary.

78659 VOELBEL, G. W. Last half-century of coffee history shows need for production controls. *Tea & Coffee Trade J.* 101(1, anniversary sect.):84-85. July 1951. 68.8 T22

78660 VOGL, C. Laborbericht über die untersuchung von edelbranntweinen. *Branntweinwirtschaft* 5:207-209. June 25, 1951. 390.8 B7322

78661 WAGNER, F. Beiträge zu einer kommentierung der kakao-verordnung. II. Zucker- u. Süßwaren-Wirt. 4:515-516. July 5, 1951. 286.86 Z8
Germany.

78662 WILLIAMS, W. M. 50 years of progress in coffee grinding keeps pace with changing merchandising. *Tea & Coffee Trade J.* 101(1, anniversary sect.):56, 58, 105. July 1951. 68.8 T22

78663 WILLIAMSON, W. F. History of National Coffee Association illustrates value of a sound program benefiting industry and consumer alike. *Tea & Coffee Trade J.* 101(1, anniversary sect.):18, 112. July 1951. 68.8 T22

DAIRY PRODUCTS

78664 AAROE, V., and others. At the turn of the year 1950-1951. (In Swedish.) *Svenska Mejeritidn.* 43:2-6, 8-9. Jan. 6, 1951. 44.8 Sv2

T. Bergman, N. O. Jönsson, A. R. T. Söderlund and K. E. Thomé, joint authors.
Review of the Swedish dairy industry.

78665 ALBERIZZI, D. E. Do we wish to save milk production in Italy? (In Italian.) *Humus* 7(5):3-6. May 1951. 16 H88

78666 ALBERIZZI, D. E. Let us speak of milk. (In Italian.) *B. dell'Agr.* 85(12):1-2. June 15, 1951. 16 B87
Italian dairy industry.

78667 ANDERSON, D. S. The milk production situation. *Noeast. Dairy Conf. Annu. Rpt.* 16:19-22. 1951. 44.9 N818

78668 ANDRIAN, K. VON. Von der geschichte der alpwirtschaft. *Auf der Alpe* 6:45-46. June 1951. 18 Au3
As related to the dairy industry.

78669 BARTHOLOMEW, A. N. Dairying in the Raymond Terrace District. *Milk Bd. J.* 2:245-247. (Cont.) May 15, 1951. 44.8 M5934
New South Wales.

78670 BEAU, M. La laiterie régulatrice de Katrineholm. *Indus. Lait. (n.s.)* 56:89-92. May 1951. 44.8 In2

78671 BELL, C. J. Built by buttermilk. *Butter, Cheese & Milk Prod. J.* 42(8):26-27. Aug. 1951. 286.85 B98Bu

Description of an industrial firm.

78672 BIGGS, E. M. Some facts about Canadian dairying. *Certif. Milk* 26(7):8-9, 11. July 1951. 44.8 C33

78673 BOULANGER, G. La situation de l'industrie laitière au Canada en 1950. *Québec Lait.* 10(6):50-51. June 1951. 44.8 Q3

78674 CARLINER, L. A. What I saw in Scandinavia. *Ice Cream Field* 58:28, 82. July 1951. 389.8 Ic23
Ice cream industry.

78675 CHEESE industry observes centennial at Rome, New York. *South. Dairy Prod. J.* 50(2):29, 98. Aug. 1951. 44.8 So83

78676 CONNECTICUT DAIRYMEN'S ASSOCIATION. Report of the proceedings of the seventieth annual convention, held at Ratcliffe Hicks Building, University of Connecticut, Storrs, Connecticut, January 17, 1951. Meriden, 1951. 94 p. 44.9 C769

78677 CREMONA. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. Production, utilization, and processing of milk in the Province of Cremona. (In Italian.) *In Convegno Nazionale Lattiero-Caseario sulla Utilizzazione e Trasformazione del Latte, Cremona, 1950. Atti [Acts], p. 215-233. Cremona, Pizzorni, 1950?* 44.9 C7625

78678 CULLITY, J. M. Dairying versus fattening. *Austral. Dairy Rev.* 19(7):15, 17. July 2, 1951. 44.8 Au73

78679 CULLITY, J. M. Is there a drift from dairying? *Austral. Dairy Rev.* 19(5):10, 12. May 1, 1951. 44.8 Au73

78680 DIXIE FLYERS ASSOCIATION. Directory of Dixie Flyers, 1951 edition. Chattanooga, 1951. 64 p. 225 D64

Sources of dairy and ice cream industry supplies.

78681 EMILSSON, E. Planning the operation of a milk plant. (In Swedish.) *Svenska Mejeritidn.* 42:534-536. Dec. 2, 1950. 44.8 Sv2

78682 FLØISTAD, G. Butter in the danger area. (In Norwegian.) *Meieriposten* 40:348-350. May 19, 1951. 44.8 M47
Norway.

78683 GARATTONI, E. Is it better to produce milk or meat? (In Italian.) *Spezia Agr.* 6(7):2. July 1, 1951. 16 Sp3
Italy.

78684 GATTINGER. Die milchwirtschaft des landes Baden. *Molk.-Ztg.* 5:394-397. Apr. 19, 1951. 44.8 M735

78685 GLEASON, R. F. Mobilization for defense. *Conn. Dairymen's Assoc. Rpt. Proc.* 70:75-82. 1951. 44.9 C769

Civilian defense.

78686 GORDON, G. E. Dairy problems present challenge to industry. *Calif. Farm Bur. Mon.* 32(6):9, 12. June 1, 1951. 275.293 California

78687 HARVEY, W. C., and HILL, H. Milk: production and control. Ed. 3. London, Lewis, 1951. 758 p. 44 H26

78688 HASSELBACH, W. VON. Voraussichtliche milch- und buttererzeugung im jahre 1951. *Molk.-Ztg.* 5:239-240. Mar. 8, 1951. 44.8 M735
Germany.

78689 HENDRIE, D. S. Dairying in Britain and New Zealand compared. *New Zeal. Dairy Exporter* 27:12-15, 17. July 1951. 44.8 N484

78690 HOWEY, G. C. Evolution of the dairying industry. *Austral. Dairy Rev.* 19(6):14-15, 25-26, 28. June 1, 1951. 44.8 Au73

78691 JENSEN, H. M. The dairy industry in Denmark 1950. (In Danish.) *Tidsskr. f. Landøkon.* 7:301-315. July 1951. 11 T43

78692 JENSEN, H. M. Operation of milk plants. (In Swedish.) (Sum.) *Svenska Mejeritidn.* 42:401-403. Sept. 16, 1950. 44.8 Sv2

Discussion by E. Emilsson and W. Evensen, p. 403-406.

78693 JOURNÉES scientifiques de la production du lait. *Ann. de la Nutr. et de l'Aliment.* 5:41-45, 173-292. (Cont.) 1951. 389.8 An73
France.

78694 KELLER, H. Milchwirtschaftliches rechnen. *Molk.-Ztg.* 5:253, 303, 738. (Cont.) Mar. 8, 22, July 5, 1951. 44.8 M735

78695 LEACH, C. A. Expansion of dairy goat husbandry in Japan. *Supreme Commander Allied Powers. Nat. Resources Sect. Prelim. Study* 55, 54 p. June 1951. 280.9 Su72

78696 MARRACINO, R. The southern livestock and cheese problem. (In Italian.) *In Convegno Nazionale Lattiero-Caseario sulla Utilizzazione e Trasformazione del Latte, Cremona, 1950. Atti [Acts], p. 136-195. Ref. Cremona, Pizzorni, 1950?* 44.9 C7625
Italy.

78697 MAYER, H. Nordbaden, reines trinkmilchgebiet. *Molk.-Ztg.* 5:397, 400-401. Apr. 19, 1951. 44.8 M735

78698 MERISH, F. Your working capital. *Milk Plant Mon.* 40(8):42-43, 45. Aug. 1951. 44.8 C864

78699 MIGHELL, R. L., and BLACK, J. D. Inter-regional competition in agriculture, with special reference to dairy farming in the Lake States and New England. Cambridge, Harvard U. Press, 1951. 320 p. (Harvard Economic Studies. v. 89) 281.12 M58

78700 MITCHEL, C. L. Dairy reminiscences—pioneer buttermaking. *Pacific Dairy Rev.* 55(6):66, 68-70. June 1951. 286.85 P11

Also in *Pacific Dairy Rev.* 55(7):24-25. July 1951. 286.85 P11

78701 MOLÉN, S. Holland just now. (In Swedish.) *Svenska Mejeritidn.* 42:545-549. Dec. 9, 1950. 44.8 Sv2
Dairy industry.

78702 MORMILE, M. Processing of milk in central-southern Italy. (In Italian.) *In Convegno Nazionale Lattiero-Caseario sulla Utilizzazione e Trasformazione del Latte, Cremona, 1950. Atti [Acts], p. 124-127. Cremona, Pizzorni, 1950?* 44.9 C7625
Cheese industry.

78703 MÜLLER, O. Die käsekonvention von Stresa. *Schweiz. Milchztg.* 77:325-326. June 22, 1951. 44.8 Sch92

- 78704 NADEAU, J. P. Notre industrie à un tournant important de son histoire. Québec Lait. 10(6):18-22,30. June 1951. 44.8 Q3
- 78705 NEW YORK STATE ASSOCIATION OF MILK SANITARIANS. Papers presented at the twenty-seventh annual conference, Hotel Syracuse, Syracuse, New York, October 2, 3 and 4, 1950. Albany, 1951. 212 p. 44.9 N4833
- 78706 NOMINÉ, H. Milchmarkt und milchwirtschaft treten in eine neue konjunktur. Bas-Rhin Agr. 6:263. June 9, 1951. 14 B29
- 78707 NORGAARD, J. C. Report on creameries. Nebr. Co-op. 7:3,7. June 6, 1951. 280.28 N27
- 78708 NORTHEASTERN DAIRY CONFERENCE. Annual report, sixteenth annual meeting, April 19-20, 1951, Onondaga Hotel, Syracuse, New York. Syracuse, 1951. 84 p. 44.9 N818
- 78709 PAVIA. CAMERA COMMERCIO, INDUSTRIA E AGRICOLTURA. Dairy and cheese situation in the Province of Pavia. (In Italian.) In Convegno Nazionale Lattiero-Caseario sulla Utilizzazione e Trasformazione del Latte, Cremona, 1950. Atti [Acts], p.207-214. Cremona, Pizzorni, 1950? 44.9 C7625
- 78710 PICCININI, M. The dairy-cheese situation. (In Italian.) Coltivatore 7(18/19):1. May 13, 1951. 16 C722 Italy.
- 78711 ROBINSON, H. Can Japan build a dairy industry? Amer. Dairy Prod. Mfg. Rev. 13(7):18,20. July 1951. 44.8 Am37
- 78712 ROSSI, R. P. Milk in the field of agricultural economics. (In Italian.) Colt. e Gior. Vinic. Ital. 97:148-151. May 31, 1951. 16 C72
- 78713 RUEHE, H. A. Time for a change. Butter Ideas 4(9),7 p. June 1951. 44.8 B984
- The dairy industry.
- 78714 THE SALTE Plan: milk and derivatives. (In Portuguese.) B. do Leite 4(45):11-12. (Cont.) Mar. 1951. 44.8 B633
- 78715 SAMUELSSON, E. G. Study trip to France. (In Swedish.) Svenska Mejeritidn. 43:19-20,22-23. Jan. 13, 1951. 44.8 Sv2
- Types of cheese and cheese manufacture in France.
- 78716 SCHRADER. Humana-Milch—eine spezial-säuglingsmilch. Molk.-Ztg. 5:346. Apr. 5, 1951. 44.8 M735
- 78717 SELBY, H. W. The dairy farmers' economic position and public relations. Noeast. Dairy Conf. Annu. Rpt. 16:61-71. 1951. 44.9 N818
- 78718 SQUINTANI, V. Increase of milk production and the quality of milk for industrial use. (In Italian.) In Convegno Nazionale Lattiero-Caseario sulla Utilizzazione e Trasformazione del Latte, Cremona, 1950. Atti [Acts], p.107-113. Ref. Cremona, Pizzorni, 1950? 44.9 C7625
- 78719 THIEULIN, G. Le lait et l'industrie laitière aux États-Unis (relation de voyage). Lait 31:341-350. (Cont.) May/June 1951. 44.8 L143
- 78720 TROMELLINI, P. Considerations on the origin of Parmesan cheese. (In Italian.) In Convegno Nazionale Lattiero-Caseario sulla Utilizzazione e Trasformazione del Latte, Cremona, 1950. Atti [Acts], p.128-133. Cremona, Pizzorni, 1950? 44.9 C7625
- 78721 URNER, G. Cheese factory founder honored. Amer. Dairy Prod. Mfg. Rev. 13(7):2-4,6,46-47. July 1951. 44.8 Am37
- 78722 ZOBOLI, L. A. The present crisis in the dairy and cheese sector and its problems. (In Italian.) Latte 25:253-254. June 1951. 44.8 L35
- Includes defects of Italian cheeses.
- Analysis and Composition**
- 78723 ASSIS, F. DE P., and others. The variation of the amount of fat in milk produced in the State of São Paulo. (In Portuguese.) B. de Indús. Anim. (n.s.)11(3/4):3-16. Dec. 1950. 49 R324
- F. A. Netto, P. Treu, J. M. dos Reis, and H. de M. Teixeira e Silva, joint authors.
- English summary.
- 78724 BABCOCK, C. J. Coliform organisms in milk and milk products. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:153-158,160-163. Ref. May 1951. 44.9 N4833
- 78725 BAUD, C. A., MORARD, J. C., and PERNOUX, E. Observation au microscope électronique de la coagulation du lait par la présure. Acad. des Sci. Compt. Rend. 233:276-277. July 16, 1951. 505 P21
- 78726 CAMUS, A., LANIESSE, P., and BURDIN, J. La formation du diacétyle dans les levains de beurrerie. Lait 31:225-233. May/June 1951. 44.8 L143
- 78727 CAULFIELD, W. J. Mix storage conditions control important in producing low-count ice cream. Confectionery-Ice Cream World 46(3):17. July 16, 1951. 389.8 C767
- 78728 CHELQUIST, G. Butterfat testing. Dairymen's Price Rptr. 33(8):2-5. Aug. 1951. 280.28 D14
- 78729 CHETHAM, A. W. G. Ice cream and the methylene blue test. 3. Dairy Indus. 16:656-657. July 1951. 44.8 D1427
- 78730 COHN, M. M. Improving a city's milk supply. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:29-30,32-33, 35-36. May 1951. 44.9 N4833
- Milk tests and quality control.
- 78731 CONE, J. F. The bacteria in producers' milk. Milk Plant Mon. 40(8):64,66. Aug. 1951. 44.8 C864
- 78732 DUNKLEY, W. L. Evaluation of the thio-barbituric acid test as a measure of oxidized flavor in milk. Food Technol. 5:342-346. Ref. Aug. 1951. 389.8 F7398
- 78733 EISENREICH, L., and MENNICKE, U. Der fettgehalt der milch in abhängigkeit vom melkzeitenabstand; ein beitrage zur frage des unterschiedlichen fettgehaltes im morgen- und abendgemelk. Süddeut. Vers.- u. Forstsch. f. Milchwirt. Arb. u. Ber. 1:104-116. 1950. 44.9 W42
- 78734 GERBER, N. Die praktische milchprüfung und die kontrolle von molkereiprodukten. Ed. 10, rev., by K. T. Schneider. Bern, Wyss, 1951. 160 p. 44 G312P
- 78735 GILCREAS, F. W., and STEWART, I. The effect of antibiotics on some characteristics of milk. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:37,39-41,43-45,47-49. May 1951. 44.9 N4833
- 78736 HAMENCE, J. H., and HART, G. F. J. Milk solids in ice-cream: a sorting test. Analyst 76:429-430. July 1951. 382 An1
- 78737 HILLER, G. A. Subjects for the summer season. Ice Cream Indus. 28:55-56. July 1951. 389.8 Ic24
- Ice cream analysis and packaging.
- 78738 HILLIER, R. El problema de la proporción de crema en la leche. Campesino [Santiago] 83(6):11,13. June 1951. 9.3 So12
- 78739 HIRSCHMANN, R. Reinlichkeitsprüfung und qualitätsbezahlung der milch. Süddeut. Vers.- u. Forstsch. f. Milchwirt. Arb. u. Ber. 1:151-158. 1950. 44.9 W42
- 78740 INSTITUTO NACIONAL DE RACIONALIZACIÓN DEL TRABAJO. Observaciones al informe sobre la propuesta UNE 34.100 (leche de vaca, clases, características y métodos de ensayo) que hizo la Sección de Química Bromatológica del Instituto Español de Fisiología y Bioquímica. An. de Bromatología 3:17-33. 1951. 389.8 An1
- English summary.
- 78741 IRVINE, O. R. Composition, pH and colour of Ontario Cheddar cheese. Canad. Dairy & Ice Cream J. 30(7):27-29,42,44,46,48. Ref. July 1951. 44.8 C162
- 78742 KIEFERLE, F., FEICHTNER, C., and PIRNER, G. "Lecithin", ein beitrage zu dessen ermittlung in molkereierzeugnissen. Süddeut. Vers.- u. Forstsch. f. Milchwirt. Arb. u. Ber. 1:37-50. Ref. 1950. 44.9 W42
- 78743 KIEFERLE, F., and SEUSS, A. Nachweis der dauer- und kurzzeiterhitzung mit dem "lactognost-test" Heyl. Molk.-Ztg. 5:412,414. Apr. 19, 1951. 44.8 M735
- 78744 KING, N. On the structure of fat globules in butter. (In Swedish.) Svenska Mejeritidn. 42:507-512. Ref. Nov. 18, 1950. 44.8 Sv2
- 78745 LÄMMLER, G. Nessler's reagenz zum orientierenden nachweis von formaldehyd in milch und anderen flüssigen medien. Lebensmitteltierarzt 2:86-88. June 1951. 41.8 L49
- 78746 LEBER, H. Une épreuve à la résaurine. Québec Lait. 10(6):23,30. June 1951. 44.8 Q3
- Milk.
- 78747 LEESMENT, A. Streptobacteria in svecia cheese. (In Swedish.) Svenska Mejeritidn. 43:205-208, 217-219. May 5-12, 1951. 44.8 Sv2
- 78748 LONCIN, M., and JACQMAIN, D. Contribution à l'étude de la lipase du lait. Lait 31:233-250. Ref. May/June 1951. 44.8 L143
- 78749 MILLER, E. La leche. Soc. Rur. de Rosario. Rev. 30(349/350):13-18. Mar./Apr. 1951. 9 So14
- Analysis and composition and sanitary procedures.
- 78750 MYKLEBY, R. W. Dairy products for use by manufacturers. (Condensed.) Confectioners J. 77(919):48-51. Aug. 1951. 389.8 C76
- Milk composition and the manufacture of dairy products.
- 78751 NEWTON, J. Reporting on test and cooling of milk. Dairy B. 5:7. Jan. 1951. 44.9 W63
- Kansas.

78752 NILSSON, G. On the bacteria flora in Swedish fermented milk. (In Swedish.) Svenska Mejeritidn. 42: 411-416. Ref. Sept.23,1950. 44.8 Sv2

78753 NITSCHMANN, H., and VARIN, R. Das lab und seine wirkung auf das casein der milch. IV. Helvet. Chim. Acta 34:1421-1430. 1951. 385 H36

78754 PALEY, C., and TZALL, B. An inquiry into the interpretation of the freezing points of milk obtained by the Hortvet cryoscope and its relationship to present day market fluid milk. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:81-82,84-86,88-94. May 1951. 44.9 N4833

78755 PATTON, S., and KURTZ, G. W. 2-thiobarbituric acid as a reagent for detecting milk fat oxidation. J. Dairy Sci. 34:669-674. July 1951. 44.8 J822

78756 PERYAM, D. R., and others. New flavor evaluation method. Food Engin. 23(8):83-85. Aug.1951. 389.8 F737

D. V. Josephson, R. J. Remaley, and H. L. Fevold, joint authors.

For dried milk.

78757 PURKO, M., NELSON, W. O., and WOOD, W. A. The associative action between certain yeasts and Bacterium linens. J. Dairy Sci. 34:699-705. Ref. July 1951. 44.8 J822

In limburger cheese.

78758 RANDOIN, L., and JOURDAN-VATINEL, C. Détermination des teneurs en matière sèche, en calcium et en phosphore de diverses variétés de fromages à pâte ferme ou demi-dure, et à croute résistante. Lait 31:250-256. May/June 1951. 44.8 L143

78759 ROGICK, F. A., and BURGWALD, L. H. Contribution to the study of psychrophilic bacteria in milk. (In Portuguese.) B. de Indús. Anim. (n.s.)11(3/4):114-125. Ref. Dec.1950. 49 R324

78760 SCHÖNBERG, F. TTC. als hilfsmittel für reduktaseprüfung. Molk.-Ztg. 5:405-406. Apr.19,1951. 44.8 M735

Triphenyltetrazolium chloride.

78761 SCHULZ, M. Struktur der labgeronnenen milch. Molk.-Ztg. 5:415. Apr.19,1951. 44.8 M735

78762 SEELEMANN, M., and CARSTENS, O. Zur biologie des Sc. lactis und Sc. cremoris (gruppe L); ein beitrag zum serologischen verhalten der echten milch-säurestreptokokken. Milchwissenschaft 6:231-234. July 1951. 44.8 M5933

English summary.

78763 SEIDLER, L. Untersuchungen über die zusammensetzung des ziegenkolostrums. Milchwissenschaft 6: 236-239. July 1951. 44.8 M5933

78764 SHEPHERD, E. Fats: the bacteriological marks of butter and margarine. Ice Cream Indus. 28:65-66. July 1951. 389.8 Ic24

78765 SHORLAND, F. B., and JOHANNESSEN, D. L. C₂₀₋₂₂ unsaturated acids of butterfat. Nature [London] 168:75-76. July 14,1951. 472 N21

78766 SZUMSKI, S. A., and CONE, J. F. The endoprotease activity of some oxidative type yeasts isolated from Trappist cheese. (Abs.) J. Dairy Sci. 34:486. June 1951. 44.8 J822

78767 TALCE, D., and FOLDA, W. Die resazurin-reduktase und die qualitätsbezahlung der milch. Süddeut. Vers.- u. Forschanst. f. Milchwirt. Arb. u. Ber. 1:139-146. Ref. 1950. 44.9 W42

78768 THOME, K. E. Albumin content in milk and conditions due to that. (In Swedish.) Svenska Mejeritidn. 42:373-378,394-398. Ref. Sept. 2-9,1950. 44.8 Sv2

78769 VEER, H. J. TER. The creatine reaction of butter serum. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 43:320-321. (Cont.) June 27,1951. 44.9 AL3

78770 WEINSTEIN, B. R., and others. An electrophoretic examination of the minor-protein fraction capable of producing the solar-activated flavor. (Abs.) J. Dairy Sci. 34:482-483. June 1951. 44.8 J822

H. A. Lillevik, C. W. Duncan, and G. M. Trout, joint authors.

In whey.

78771 YSTGAARD, O. M., HOMEYER, P. G., and BIRD, E. W. Detection of adulteration of milk by lactometric and freezing point methods. J. Dairy Sci. 34:680-688. Ref. July 1951. 44.8 J822

78772 YSTGAARD, O. M., HOMEYER, P. G., and BIRD, E. W. Determination of total solids in normal and watered milks by lactometric methods. J. Dairy Sci. 34: 689-694. Ref. July 1951. 44.8 J822

78773 YSTGAARD, O. M., HOMEYER, P. G., and BIRD, E. W. The use of the Brabender semi-automatic moisture tester for the determination of total solids in milk. J. Dairy Sci. 34:695-698. July 1951. 44.8 J822

Consumption and Utilization

78774 BERTOLINI, M. Utilización de la leche y derivados. Agr. Trop. 7(6):31-32. June 1951. 26 Ag8

78775 CONVEGNO NAZIONALE LATTIERO-CASEARIO SULLA UTILIZZAZIONE E TRASFORMAZIONE DEL LATTE, CREMONA, 1950. Atti [Acts]. Cremona, Pizzorni,1950? 233 p. 44.9 C7625

78776 FABIANI, F. How to utilize milk to the maximum. (In Italian.) Seme 2:206-207. Sept.1950. 16 Se5

78777 METZDORF, H. J. Der verbrauch an trinkvollmilch in Westdeutschland und möglichkeiten der verbrauchsförderung. Molk.-Ztg. 5:465-466. May 4,1951. 44.8 M735

78778 SALOMONI, V. An ever living necessity, to consume more milk. (In Italian.) Allevatore 7(13):7. Apr.1,1951. 49 AL55

Consumption in Italy and nutritive value.

78779 TREMOLIERES, J., and others. Part de la consommation du lait et des produits laitiers dans l'équilibre alimentaire du paysan français. Inst. Natl. d'Hyg. B. 6:220-251. Apr./June 1951. 44.9 P21

Y. Serville, F. Vinit, J. Renard, and E. Colson, joint authors.

Distribution, Marketing, and Transportation

78780 APLIN, R. D. Handling milk under disaster conditions. Noeast. Dairy Conf. Annu. Rpt. 16:81-84. 1951. 44.9 N818

Distribution.

78781 BEAU, M. Le marché de la caséine. Indus. Lait. (n.s.)56:95-96. May 1951. 44.8 In2

78782 BERGMAN, T. Handling and distribution of consumer milk. (In Swedish.) (Excerpts.) Svenska Mejeritidn. 42:569-573,583-585. Dec.23-30,1950. 44.8 Sv2

78783 BLEICKEN. Der hamburger buttermarkt und die genossenschaftl. absatzzentrale. Milch- Fettwaren-Eierhandel 3(39,sup.):2-3. May 25,1951. 286.85 M59

78784 BRADFIELD, A., and CARTER, R. Have you a bottleneck in your front yard? Milk Dealer 40(10):47-48. 101. July 1951. 44.8 M595

Milk collecting and deliveries.

78785 COLLISSON, C. F. Rochester dairy cooperative example in diversification. Amer. Dairy Prod. Mfg. Rev. 13(7):12-14,16,34-35. July 1951. 44.8 Am37

78786 CONNER, M. C. The milk market control law in Virginia. Va. Agr. Expt. Sta. B. 444,49 p. June 1951. 100 V81S

Market regulation under the Milk and Cream Act.

78787 DAIRY COOPERATIVE ASSOCIATION. Reports on its activities for the year 1950. Portland,Oreg.,1951. 16 p. 280.2449 D143

78788 DAIRY INDUSTRY INSURANCE AGENCY. Fourteenth annual report for the year ended 30th April, 1951. Wellington,1951. 4 p. 284.69 D14

78789 DANELLI, S. Domestic trade in cheese products at the present time. (In Italian.) In Convegno Nazionale Lattiero-Caseario sulla Utilizzazione e Trasformazione del Latte, Cremona, 1950. Atti [Acts],p.196-206. Cremona,Pizzorni,1950? 44.9 C7625

Italy.

78790 FORTE, M. A. The rise of the milk bar. Ice Cream Indus. 28:49-50. July 1951. 389.8 Ic24

78791 HIRSCH, H. G. Co-ops are vital to Federal milk orders. Milking Living 15(4):1-2. May 1951. 280.28 M594

Marketing order.

78792 HIRSCHFELD, A. La coopération laitière en Norvège. Agriculture [Paris] 15:164. June 1951. 14 Ag823

78793 JOHNSON, S., and HENRY, W. F. Formulas for adjusting milk transportation rates. Conn. (Storrs) Agr. Expt. Sta. B. 274,34 p. Mar.1951. 100 C76S

78794 JUDY, G. A. How to get housewives to buy more milk. Noeast. Dairy Conf. Annu. Rpt. 16:73-78. 1951. 44.9 N818

78795 KEUNE. Die molkerei kann nicht jeden wunsch erfüllen. Unser Milchvieh 3(4):1-2. In Molk.-Ztg. 5(14). Apr.5,1951. 44.8 M735

Milk marketing in Germany.

78796 KIEFER, A. Butterabsatz-trinkmilchabsatz-milchwerbung; die abstimmung des deutschen marktes. Molk.-Ztg. 5:403-404. Apr.19,1951. 44.8 M735

78797 KIEFER, A. Probleme des buttermarktes. Molk.-Ztg. 5:289-291. Mar.22,1951. 44.8 M735

Germany.

78798 KIHLE, W. Vorschau auf die marktentwicklung 1951. *Molk.-Ztg.* 5:339-340. Apr.5,1951. 44.8 M735 Germany.

78799 KING, G. A., and BRESSLER, R. G., JR. Efficiency of milk marketing in Connecticut. 12. Wholesale milk distribution. Conn. (Storrs) Agr. Expt. Sta. B. 273, 56 p. July 1950. 100 C76S

78800 MENEZ, C. Growing market for milk. *Milk Dealer* 40(10):46,105-107. July 1951. 44.8 M595

78801 MOLDAVAN, A. La marchandisation du lait. *Québec Lait*. 10(6):24,30. June 1951. 44.8 Q3

78802 MOORE, E. V. Dairy business needs a top press agent. *Pure Milk* 25(7):14. July 1951. 280.28 P97

78803 PIERCE, C. W. June Dairy Month. *Dairymen's Price Rptr.* 33(6):1-3,14,16. June 1951. 280.28 D14

78804 PRITCHARD, N. T., and COPE, W. H. Milk assembly in the Fort Wayne milkshed. *Ind. Agr. Expt. Sta. B.* 559,24 p. Feb.1951. 100 In2P

78805 RIBEIRO, J. A. Supplying of milk in Belo Horizonte. (In Portuguese.) *B. do Leite* 4(45):9-10. Mar. 1951. 44.8 B633

Includes prices and consumption.

78806 RICHARDS, P. The administration of Federal milk marketing orders in relation to the Defense Production Act. *Noest. Dairy Conf. Annu. Rpt.* 16:13-18. 1951. 44.9 N818

78807 SCHÄFER, J. C. M. Der hamburger butter-grosshandel zur marktlage. *Milch- Fettwaren- Eierhandel* 3(39,sup.):1. May 25,1951. 286.85 M59

78808 SPENCER, L. Sweden's way with dairy co-ops. *News Farmer Coop.* 18(3):15-16,22. June 1951. 166.2 N47

78809 WILSON, W. J. Trends that will influence sales; raw materials—demand—manpower to influence cheese sales. *South. Dairy Prod. J.* 50(2):56,74. Aug. 1951. 44.8 So83

Grading, Inspection, Standardization, and Quality

78810 BARNICOAT, C. R. Experiments on the packing and storage of butter. X. Experiments on predicting the storage life of butter. *New Zeal. J. Sci. & Technol. A; Agr. Res. Sect.* 33(1):37-43. Ref. June 1951. 514 N48A

78811 BELL, W. B., and others. Aureomycin concentration in milk following intramammary infusion and its effect on starter activity. *J. Dairy Sci.* 34:675-679. Ref. July 1951. 44.8 J822

C. C. Flora, P. M. Reaves, and C. W. Holdaway, joint authors.

78812 BERGMAN, T., and LAGERLÖF, N. Milk from cows treated with penicillin. (In Swedish.) *Svenska Mejeritidn.* 43:11. Jan.6,1951. 44.8 Sv2

78813 CONNECTICUT. MILK ADMIN. A ten-year fiscal report (July 1, 1941-June 30, 1951). Hartford, 1951. 16 p. 280.3449 C76T

78814 DECKER, C. W., and ASHWORTH, U. S. The keeping quality of whole milk powder. III. The use of antioxidants—ascorbic acid and sodium citrate. *J. Dairy Sci.* 34:633-640. Ref. July 1951. 44.8 J822

78815 GOULD, I. A. A single standard for milk and milk products. *Milk Plant Mon.* 40(6):76,78-80. June 1951. 44.8 C864

Also in *South. Dairy Prod. J.* 50:32,70-73. July 1951. 44.8 So83

78816 GRUNGE, W. H. Cooperation between health departments and the Farm Bureau. *N. Y. State Assoc. Milk Sanit. Annu. Rpt.* 27:133-135. May 1951. 44.9 N4833

Milk inspection.

78817 HARMON, L. G. Antibiotics in milk. *Tex. J. Sci.* 3:176-179. June 30,1951. 470 T31

78818 HASS. Hilfe—qualitätskontrolle! Unser Milchvieh 3(7):1-2. *In Molk.-Ztg.* 5(28). July 12,1951. 44.8 M735

78819 HENRIQUES, E. Keep agricultural chemicals and milk apart. (In Danish.) *Dansk Landbr.* 70:336. July 19,1951. 280.28 V91

78820 JÄRVIK, M. Investigation of methods for control of bacteria in consumer milk. (In Swedish.) *Svenska Mejeritidn.* 43:239-242,249-253. May 26-June 2,1951. 44.8 Sv2

78821 LINDGREN, B. Red spots in the cheese. (In Swedish.) *Svenska Mejeritidn.* 43:193-197. Apr.28,1951. 44.8 Sv2

78822 LOFTUS-HILLS, G. Oxidised flavors in market milk. *Austral. Dairy Rev.* 19(6):10-11. June 1,1951. 44.8 Au73

78823 MIRALLES MAS, J. Tuberculosis. *Balearic Isl. Diputación Prov. B. de Agr.* 76:6-7. Jan.1951. 15 B19

Includes transmission through milk.

78824 OKULITCH, G. O. Producing top quality milk. *Butter-fat [Vancouver]* 29(5):3-4. Aug.1951. 44.8 B98

Quality and sanitation.

78825 PERSSON, G. E. Observations concerning the butter defect mold. (In Swedish.) *Svenska Mejeritidn.* 43:135-139,147-149. Mar.24-31,1951. 44.8 Sv2

78826 PETTERSSON, K. I. Some attempts at simplification of the milk control. (In Swedish.) *Svenska Mejeritidn.* 43:229-232. May 19,1951. 44.8 Sv2

78827 ROEMMELE. Schmirgelgeschmack bei vorzugsmilch. *Lebensmitteltierarzt* 2:65-67. May 1951. 41.8 L49

78828 SÄITNER, M. Ergebnisse der DLG-käseprüfung 1951 Hamburg ein voller erfolg. *Molk.-Ztg.* 5:753-754. (Cont.) July 12,1951. 44.8 M735

78829 SENS. Bericht über die tierärztl. lebensmittellüberwachung in den grossstädten Frankfurt/M. u. Wiesbaden nach kriegsende mit besond. berücksichtigung der zeit nach der währungsreform bis ende 1949. *Lebensmitteltierarzt* 2:88-90. (Cont.) June 1951. 41.8 L49

Milk and fish.

78830 SIRRI, A. Serious threat to milk producers. (In Italian.) *Piacenza Agr.* 6(21):5. Nov.15,1950. 281.8 P57

Cheese defects.

78831 SJÖHOLM, E. What is Roquefort cheese? *Svenska Mejeritidn.* 43:30. Jan.20,1951. 44.8 Sv2

Labeling.

78832 STEIN, M., and SONNENSHEIN, I. L. Recent court decisions on municipal milk inspection. *Milk Plant Mon.* 40(8):34-37. Ref. Aug.1951. 44.8 C864

78833 STEINER S., J. Sugestiones sobre el control de leches. *Agr. Trop.* 6(9):43-47. Sept.1950. 26 Ag8

78834 SUDHOLT, H. Entwicklung und aufgaben der molkereikontrolle in Westfalen und Lippe. *Molk.-Ztg.* 5:467-468. May 4,1951. 44.8 M735

78835 SVEDBERG, H. Ought cold storage butter to be mixed with fresh butter? (In Swedish.) *Svenska Mejeritidn.* 42:524,527-528. Nov.25,1950. 44.8 Sv2

78836 THOME, K. E., and LINDGREN, B. En aktuell orsak till röda prickar i ost (a current cause of rusty spot in cheese). *Alnarps Lantbr.-, Mejeri- och Trädgardsinst. Stat. Mejeriförsök. Meddel.* 31,18 p. Ref. 1951. 44.9 AL6

English summary.

Packing and Packaging

78837 HANSEN, R. Sweden takes part in the development of the milk containers. (In Danish.) *Nord. Mejeri-Tidsskr.* 17:79-83. 1951. 44.8 N752

78838 JERABEK, O. Eine neue österreichische kannenwaschmaschine. *Osterr. Milchwirt.* 6:51-54. Feb.21, 1951. 44.8 Os72

78839 MOLDAVAN, A. Les caisses de laiteries. *Québec Lait.* 10(6):52,54. June 1951. 44.8 Q3

Bottle containers.

78840 MOORE, H. Properties of glass in relation to milk bottles. II. (Abs.) *Milk Messenger* 28(7):6-8. July 1951. 44.8 M5925

78841 NAUMANN, J. K. F. Fidibusaltung als endgültige lösung des milchbehälterproblems. *Schweiz. Milchztg.* 77:357. July 6,1951. 44.8 Sch92

Paper containers for milk.

78842 PEDERSEN, A. H. Danish butter in packets; same quality, same flavour. *Dan. Foreign Off. J.* 2:16-17. 1951. 286.8 D22

78843 PEDERSEN, A. H. Packaging of dairy products. (In Swedish.) *Svenska Mejeritidn.* 42:361-364. Aug.26,1950. 44.8 Sv2

Discussion by H. Svedberg and K. J. Monsen, p. 364-366, 368.

78844 RUDOLPH, W. Seven independent dealers consolidate with remarkable results. *Amer. Milk Rev.* 13(8):42,69. Aug.1951. 44.8 Am38

Cooperation in bottling.

78845 SVEDBERG, H. Packaging of butter. (In Swedish.) *Svenska Mejeritidn.* 43:15-19. Jan.13,1951. 44.8 Sv2

Prices, Price Control, and Rationing

78846 ADAMS, T. M. Special problems of pricing milk for manufacturing purposes. *Noeast. Dairy Conf. Annu. Rpt.* 16:49-53. 1951. 44.9 N818

78847 COLE, W. S. The Cole-Ives amendment after June 30. *Noeast. Dairy Conf. Annu. Rpt.* 16:41-47. 1951. 44.9 N818

Milk price control.

78848 DAVIS, J. G. It's the quality of milk that should determine the price. *Dairy Farmer* 24(8):19. Aug.1951. 44.8 D1414

- 78849 FOREST, H. L. Federal pricing programs for the dairy industry. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:101-103,105-106,108-110. May 1951. 44.9 N4833
Milk prices.
- 78850 GODED, A. Sugerencias para el pago de la leche en las industrias derivadas. An. de Bromatología 3:5-9. Ref. 1951. 389.8 An1
English summary.
- 78851 HASS, H. Erfahrungen mit der qualitätsbezahlung. Molk.-Ztg. 5:293-294. Mar.22,1951. 44.8 M735
Milk in Germany.
- 78852 HENSLER, K. Akute probleme unserer preispolitik. Molk.-Ztg. 5:704-705. June 28,1951. 44.8 M735
Milk and butter prices in Germany.
- 78853 JOHNSON, S., and LITTLE, A. D. Intermarket milk price relationships. 1. Factors determining the boundaries of the Connecticut milkshed. Conn. (Storrs) Agr. Expt. Sta. B. 266,57 p. Jan.1951. 100 C76S
- 78854 KOCH, N. Noch einige bemerkungen zum neuen milchpreis. Württemb. Wchnbl. f. Landwirt. 118:563. July 14,1951. 18 W96
- 78855 LLEWELYN, W. C. Unanimous desire for quality payment. Ayrshire Cattle Soc. J. 23:122-123. July 1951. 43.8 Ay74
Welsh milk.
- 78856 MCWILLIAMS, A. L. New order summary. Pure Milk 25(7):6. July 1951. 280.28 P97
Milk prices.
- 78857 MANSHOLT. Gives the grounds for his milk price. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 43(11,sup.),4 p. Mar.14,1951. 44.9 AL3
Netherlands.
- 78858 MURDOCH, J. K. Quality milk should earn a worth-while premium. Ayrshire Cattle Soc. J. 23:118-119. July 1951. 43.8 Ay74
Scotland.
- 78859 REED, O. M. Milk pricing and production problems under ceiling price regulations. Noeast. Dairy Conf. Annu. Rpt. 16:5-12. 1951. 44.9 N818
- 78860 VIAL, E. E. Some interrelationships between public health and price regulations in the New York market. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:111,113-114,116-118,120-123,125-128. May 1951. 44.9 N4833
- 78861 WHITNEY, C. E. Statement in opposition to any decrease in the class II price. Maine Milk Prod. 10(10):1-2. July 1951. 44.8 M28
- 78862 WIEHLER. Und darum muss der milchpreis erhöht werden. Landwirtbl. Weser-Ems 98:584. July 5, 1951. 18 L2345
- Processing and Storage**
- 78863 ALGNAS, S. Possibilities for improving the consistency of summer and winter butter. (In Swedish.) Svenska Mejeritidn. 42:349-350. Aug.19,1950. 44.8 Sv2
- 78864 ANDERSSON, I. Emmental cheese from pasteurized milk. (In Swedish.) Svenska Mejeritidn. 43:253-254,257. June 2,1951. 44.8 Sv2
- 78865 BARBER, F. W., and HODES, H. P. High-temperature short-time pasteurization above 160° F. in vacuum. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:173-175,177-181,183-186. Ref. May 1951. 44.9 N4833
- 78866 BAUER, H. Studien über den arbeitszeitaufwand bei der butterherstellung. Süddeuts. Vers.- u. Forschanst. f. Milchwirt. Arb. u. Ber. 1:159-210. 1950. 44.9 W42
- 78867 BAUER, H. Studien über den arbeitszeitaufwand bei der trinkmilchbehandlung. Süddeuts. Vers.- u. Forschanst. f. Milchwirt. Arb. u. Ber. 1:51-103. 1950. 44.9 W42
- 78868 BENK, E. Saure molkeireinigungsmittel (milchsteinlösemittel). Seifen-Öle-Fette-Wachse 77:260. May 23,1951. 307.8 Se4
- 78869 BERGUM, A. T. Experiments with continuous stirring of brown cheese. (In Norwegian.) Meieriposten 40:422-428. June 16,1951. 44.8 M47
- 78870 BERGUM, A. T., and NILSEN, A. Forsøk med inndamping av melk og myse under vakuum. Vacuum-condensing of milk and whey. Norway. Stat. Meieriforsøk. Beret. 43,62 p. Sept.1950. 44.9 N83
English summary.
- 78871 BONA, T. Miracles of cooperation? (In Italian.) Seme 2:217-218. Oct.1950. 16 Se5
Cheese manufacture in Italy.
- 78872 CABRAS, F. Hygienic processing of sheep's milk cheese. (In Italian.) Agr. Tosc. 6:165-167. (Cont.) May 1951. 16 Ag827
- 78873 CHAPLIN, C. E. Observations on quaternary ammonium disinfectants. Canad. J. Bot. 29:373-382. Ref. Aug.1951. 470 C16C
- 78874 CHOLLET, A. Quelques considérations sur le stockage du beurre. Agr. Charentais 6(9):1. May 15,1951. 14 Ag825
- 78875 CROWE, C. F. Cooperation between county agricultural agents and milk sanitarians. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:129-131. May 1951. 44.9 N4833
- 78876 DIDIER, A. L'emploi du froid dans la conservation des fromages. Belg. Lait. 5(19):5-6. May 1951. 44.8 B412
- 78877 FABIANI, F. Cheese. (In Italian.) Seme 2:219-220. Oct.1950. 16 Se5
Manufacture.
- 78878 FEAGAN, J. Quality control of pasteurised milk. Milk Bd. J. 2:259-260. May 15,1951. 44.8 M5934
- 78879 FLEISCHMAN, F. F., JR., WHITE, J. C., and HOLLAND, R. F. Glass pipe in the fluid milk industry. N. Y. State Assoc. Milk Sanit. Annu. Rpt. 27:187,189-195. May 1951. 44.9 N4833
- 78880 FRENCH, I. S. Fork trucks alleviate storage problems. Amer. Dairy Prod. Mfg. Rev. 13(2):18,20. Feb.1951. 44.8 Am37
Cheese and food products.
- 78881 GEEST, E. DE. La fabrication de fromage en Franche-Comté (France). Belg. Lait. 5(19):15,17,19-20. (Cont.) May 1951. 44.8 B412
- 78882 GOODMAN, F. L. Refrigeration in dairy product factories. Refrig. J. 4(10):11-12,14,16,18-19; (11):8, 10,12,14,16. (Cont.) Apr.-May 1951. 295.8 R255
- 78883 GRANATA, G. Sanitation of milk in the United States. (In Italian.) Latte 25:251,256. June 1951. 44.8 L35
Sanitary procedures.
- 78884 GRAVES, R. E., and MEYER, J. Southern milk for Arctic markets. South. Dairy Prod. J. 50(2):34-35, 111-114. Aug.1951. 44.8 So83
Canned whole milk.
- 78885 GREMO, A. Care of milk during the warm season. (In Swedish.) Mjolkpropagandan 28:168-169. June/July 1951. 44.8 M692
- 78886 HAASE. Über die milchbehandlung in bäuerlichen betrießen. Unser Milchvieh 3(5):5. In Molk.-Ztg. 5(18). May 4,1951. 44.8 M735
- 78887 HALES, M. Cultures and starters for cheese-making. Independ. Prod. Guide 16:11. (Cont.) July 1951. 44.8 In27
- 78888 HONORÉ, R. Rengjöring og bakteriologisk kontroll av melkesalgsmeierienes apparatur. Cleaning and bacteriological control of equipment in liquid milk dairies. Norway. Stat. Meieriforsøk. Beret. 42,87 p. Ref. July 1950. 44.9 N83
English summary.
- 78889 JACK, E. L. Dairy industry research; brief progress report outlines current work aimed at improving the major dairy products of California. Calif. Agr. [Calif. Sta.] 5(6):10-11. June 1951. 100 C12Cag
- 78890 JARDINE, W. The churning process in butter making. (Excerpts.) Austral. Milk & Dairy Prod. J. 18(2):27,30. Feb.1951. 44.8 Au72
- 78891 KOESTLER, G. Das von Fellenberg'sche Institut in Hofwyl als stätte erster studien über die milch und ihre erzeugnisse. Schweiz. Milchztg. 77:405-406. Aug.3,1951. 44.8 Sch92
- 78892 KOSIKOWSKY, F. V. The manufacture of Mozzarrelle cheese from pasteurized milk. J. Dairy Sci. 34: 641-648. July 1951. 44.8 J822
- 78893 KUNDRAT, W. Der einfluss der wasserstoff-ionenkonzentration (pH) auf den ertrag verschiedener schimmelstämme. Süddeuts. Vers.- u. Forschanst. f. Milchwirt. Arb. u. Ber. 1:147-150. 1950. 44.9 W42
Camembert cheese starters.
- 78894 LAULANIE, H. DE. Les conserves de lait. Agro d'Angers 29:128-129. May 1951. 105.3 An4
Condensed and powdered milk.
- 78895 LIDOVE, P. Le Cheddar américain. France Min. de l'Agr. B. Tech. d'Inform. 58:277-280. Apr.1951. 14 F844B
Manufacture.
- 78896 LOTHUS, T. Ripening of Gammelost cheese. (In Norwegian.) Nord. Mejeri-Tidsskr. 17:86. 1951. 44.8 N752
- 78897 MENGEBIER, H. Richtige käselagerung. Molk.-Ztg. 5:469-470. May 4,1951. 44.8 M735
- 78898 MEYER, J. Canned milk. Milk Dealer 40(9): 44-45,108-110,112. June 1951. 44.8 M595
Also in Butter, Cheese & Milk Prod. J. 42(7):24-26,43-44. July 1951. 286.85 B98Bu
- 78899 MEYER, J. Canning fresh, whole milk. Milk Dealer 40(10):52,54,56,58. July 1951. 44.8 M595

- 78900 MICHEL, J. M. Aspecto higiénico de la leche. *Agronomia [Monterey]* 15:6-7. Mar./Apr. 1951. 8 Ag828
- 78901 MILLIGAN, W. Refrigeration applied to milk and ice cream. I. *Dairy Indus.* 16:629-634,652. July 1951. 44.8 D1427
- 78902 MINELLI, G. Economic organization of grana type producers. (In Italian.) In *Convegno Nazionale Lattiero-Caseario sulla Utilizzazione e Trasformazione del Latte*, Cremona, 1950. Atti [Acts], p.134-135. Cremona, Pizzorni, 1950? 44.9 C7625 Italy.
- 78903 MOGENSEN, M. T. S. Current souring problems in the manufacture of butter and cheese. (In Swedish.) *Svenska Mejeritidn.* 42:325-330,337-340. Aug. 5-12, 1950. 44.8 Sv2
- Norwegian and Swedish views on the souring problem, by G. Aas and G. Sjöström, p. 340-342.
- 78904 MOHR, W., and JÜNGER, R. Vergleich der Wirkung der Reinigungswirkung von Reinigungsmitteln nach der Methode des Ausrollverfahrens einer Milchkanne mit Stahlkugeln nach der Methode der Beflutung von Blechen. *Milchwissenschaft* 6:234-236. July 1951. 44.8 M5933 English summary.
- 78905 MONTEAUX, A. Resultats des essais d'un réfrigérant plongeur pour le lait. *Rev. Prat. du Froid* 6(7):39-40. Apr. 1951. 295.8 R323
- 78906 MORI, C. DE. Progress and innovations in equipment for milk processing. (In Italian.) In *Convegno Nazionale Lattiero-Caseario sulla Utilizzazione e Trasformazione del Latte*, Cremona, 1950. Atti [Acts], p.114-123. Ref. Cremona, Pizzorni, 1950? 44.9 C7625
- 78907 MORRISON, R. A., and FANNING, P. K. Cool and collect more profits from milk. *Washcoegg* 29(1):8. June 1951. 47.8 W27
- 78908 MULVANY, J. L. Reseña sobre la pasteurización de la leche en la elaboración de quesos. *Indus. Lech.* 38:195-198,200,202-206,208. Apr. 1951. 44.8 In26
- 78909 NICKERSON, T. A. Texture control in ice cream. (Abs.) *Milk Messenger* 28(7):4-6. July 1951. 44.8 M5925
- 78910 ORSENIGO, G. Some practical notes about the use of selected ferments. (In Italian.) *Mondo del Latte* 6:352,354,357. June 1951. 44.8 M74
- Cheese starters.
- 78911 PAPIN, J. Dernières généralités sur le lait de consommation. *Paysan Franç.* 27(402):8-9. June 1951. 14 P29
- Sanitation.
- 78912 PARK, W. J. Mechanisation of the cheese industry in New Zealand. *Austral. Dairy Rev.* 19(7):10-14. July 2, 1951. 44.8 Au73
- 78913 PETERS, N. J. Equipment operation and service tips. *South. Dairy Prod. J.* 50(2):40,50-52. Aug. 1951. 44.8 So83
- 78914 PETERS, N. J. How to make your equipment last longer at peak efficiency. *Butter, Cheese & Milk Prod. J.* 42(8):32-33,47. Aug. 1951. 286.85 B98Bu
- 78915 PETERSEN, N. Praktisches über bakterio-phagen in der Käse- und Butterungstechnik. *Molk.-Ztg.* 5:709-710. June 28, 1951. 44.8 M735
- 78916 PINCUS, S. The World Health Organization—what it can mean for world sanitation. *N. Y. State Assoc. Milk Sanit. Annu. Rpt.* 27:7-13. May 1951. 44.9 N4833
- Milk sanitation.
- 78917 RAHMN, E. Cold storage of butter 1950. (In Swedish.) *Svenska Mejeritidn.* 43:174. Apr. 14, 1951. 44.8 Sv2
- 78918 REINART, A. Effect of different starters on milk fat as well as souring of cream and butter. (In Swedish.) *Svenska Mejeritidn.* 42:351-354,356. Ref. Aug. 19, 1950. 44.8 Sv2
- 78919 RIBEIRO, J. A. Condensation of milk. (In Portuguese.) *B. do Leite* 4(45):7-8. Mar. 1951. 44.8 B633
- Drying.
- 78920 ROSELL, J. M., and MINUT, J. Leches humanizadas. *Indus. Lech.* 33:178-180,182-183. (Concl.) Apr. 1951. 44.8 In26
- 78921 SACCO, V. Proper preparation of Parmesan. (In Italian.) *Avvenire Agr.* 59:151-152. June 1951. 16 Av9
- 78922 SAMPEY, J. J. Sweetening agents in ice cream. *Ice Cream Rev.* 34(12):105-106. July 1951. 389.8 Ic22
- Also in *Confectionery-Ice Cream World* 46:22. July 2, 1951. 389.8 C767
- 78923 SCHONBERG, F. Zur zwingenden Notwendigkeit der Ausstattung der Milchhitzer in Molkereien mit automatischen Temperaturreglern und Umschaltvorrichtungen. *Lebensmitteltechniker* 2:81-83. June 1951. 41.8 L49
- Germany.
- 78924 SHOGREN, C. B. Quality milk production. *Certif. Milk* 26(7):6-7,17. July 1951. 44.8 C33
- Dairy farm sanitation.
- 78925 SILVEIRA, A. H. DA. Vinegar and alcohol from milk? I. (In Portuguese.) *Chacaras e Quintais* 83:723-724. June 15, 1951. 9.2 C34
- Lactose fermentation.
- 78926 STÄLFELT, H. Ice cream. (In Swedish.) *Svenska Mejeritidn.* 43:75-77. Feb. 17, 1951. 44.8 Sv2
- Chiefly on manufacture.
- Also in *Svenska Mejeritidn.* 43:75-77. Feb. 17, 1951. 44.8 Sv2
- 78927 STEINER S., J. La higiene de la leche. III. *Agr. Trop.* 6(7):33-40. Ref. July 15, 1950. 26 Ag8
- 78928 STÜSSI, D. Aluminum in the dairy industry. (In Dutch.) *Nederland. Zuivelbond. Off. Orgaan* 43:318-319. June 27, 1951. 44.9 AL3
- 78929 SWARTLING, P. F., and THOMÉ, K. E. Starters for the manufacture of manor cheese. (In Swedish.) *Svenska Mejeritidn.* 43:27-29,41-45. Jan. 20-27, 1951. 44.8 Sv2
- 78930 SWONGER, C. W. Concentrated milk. *Noeast. Dairy Conf. Annu. Rpt.* 16:55-59. 1951. 44.9 N818
- 78931 THOMÉ, K. E. Bonomold NE is possibly a new aid to prevent molds on cheese. (In Swedish.) *Svenska Mejeritidn.* 42:557-561. Dec. 16, 1950. 44.8 Sv2
- 78932 THOMPSON, C. Recomendaciones para producir leche de buena calidad. *Vida Agr. [Lima]* 28:447, 449,451. June 1951. 9.8 V66
- Sanitary processes.
- 78933 THOMSEN, H. Die kühlung der milch auf dem bauernhof. II. Unser Milchvieh 3(7):3-4. In *Molk.-Ztg.* 5(28). July 12, 1951. 44.8 M735
- 78934 THOMSEN, L. C. Can good butter be made from whey cream? *Butter, Cheese & Milk Prod. J.* 42(8):28-31,44. Aug. 1951. 286.85 B98Bu
- 78935 VAANDRAGER, G. Acid development in Cheddar cheese and the propagation of starters in cheese factories. *Unlon So. Africa. Dept. Agr. B.* 304,16 p. Ref. 1950. 24 So84P
- 78936 WALLIS, L. A. Handling plant materials—an ice cream production problem. *Canad. Dairy & Ice Cream J.* 30(7):39-40. July 1951. 44.8 C162
- 78937 WEBER, C. W. Progress report on 3A sanitary standards for milk equipment and report of Committee on Dairy Industry Equipment. *N. Y. State Assoc. Milk Sanit. Annu. Rpt.* 27:15-16,18-20. May 1951. 44.9 N4833
- 78938 WEST, G. A. The International Association of Milk and Food Sanitarians, Inc. *N. Y. State Assoc. Milk Sanit. Annu. Rpt.* 27:21-22,24-27. May 1951. 44.9 N4833
- 78939 WIESENDANGER, H. Ueber das milchgeschirr und dessen reinigung. *Grüne* 79:851-861. Aug. 3, 1951. 17 Sch9
- 78940 WILSTER, G. H. Progrès récents dans l'industrie beurrière. *Québec Lait.* 10(6):26-29. Ref. June 1951. 44.8 Q3
- Manufacture.
- 78941 WITTIG, A. B. Treatment of consumer milk. (In Swedish.) *Svenska Mejeritidn.* 43:90-91. Feb. 24, 1951. 44.8 Sv2
- Reply to T. Bergman.
- 78942 ZARATE H., J. La elaboración del queso en Zumpango del Rio. *Tierra [México]* 6:224-230. Apr. 1951. 8 T445

Statistics

- 78943 ADAIR, W. Britain's greatest milk county; Ayr stars in Board's T.T. records. *Farming News & No. Brit. Agr.* 103(22):2. June 1, 1951. 10 N82
- 78944 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. A summary of the dairying industry in Australia, year ended December, 1950. Canberra, 1951. 25 p. 271 Au72Su
- 78945 KERN. Die milcherzeugung im lande Nordrhein. *Tierzüchter* 3:399-401. July 20, 1951. 49 T445
- Statistics.
- 78946 KEUNE, O. Erzeugung und verbrauch von molkereiprodukten im jahre 1950. *Molk.-Ztg.* 5:295-296. Mar. 22, 1951. 44.8 M735
- Statistics for Germany.
- 78947 THOMANN, W. Die käseproduktion im som-mer 1950. *Schweiz. Milchztg.* 77:337-338. June 26, 1951. 44.8 Sch92
- Statistics.
- 78948 U. S. BUR. OF AGRICULTURAL ECONOMICS. Dairy statistics and related series. U. S. D. A. Statis. B. 100,87 p. June 1951. 1 Ag84St
- 78949 WOLF. Das Allgäu hat bezüglich der milch-leistung 1950 seine pflicht erfüllt. *Tierzüchter* 3:399. July 20, 1951. 49 T455

FEED AND FORAGE CROPS

- 78950 ALFORD, V. L. It's the results that count. *Amer. Feed & Grain Dealer* 35(6):10-11. July 1951. 298.8 C83
Feed marketing.
- 78951 AMERICAN FEED MANUFACTURERS ASSOCIATION. Estimated feed use and supplies for the 1950-51 feeding year. Chicago, 1950. 15 p. 389.79 F32
- 78952 BLACK, R. H. Electronics eliminates cause of dust explosions. *Feedstuffs* 23(30):50-53. July 28, 1951. 286.81 F322
In feed and fertilizer factories.
- 78953 BRINEGAR, T. Introducing a new product. *Feed Age* 1(3):28-30. Mar. 1951. 389.78 F327
Feed.
- 78954 BURNS, L. V. The laboratory in modern feed production. *Feed Age* 1(4):25-28, 52. Apr. 1951. 389.78 F327
- 78955 BURNS, L. V. Planning for a laboratory. *Feed Age* 1(5):44-50. May 1951. 389.78 F327
Feed research.
- 78956 BURNS, L. V. Selecting mixers for feed manufacturing. *Feed Age* 1(7):22-26, 38. July 1951. 389.78 F327
- 78957 BURTON, R. C. Feed merchandising ideas. *Grain & Feed J. Consolidated* 107(2):31, 34. July 25, 1951. 298.8 G762
- 78958 CASARRUBIA, A. El forraje durante las sequias de la zona tampera de Santa Fé. *Chacra* 21(249):66. Aug. 1951. 9 C34
- 78959 CONNECTICUT (STATE) AGRICULTURAL EXPERIMENT STATION. Report on inspection commercial feeding stuffs, 1950. Conn. (State) Agr. Expt. Sta. B. 547, 138 p. Mar. 1951. 100 C76S1
- 78960 DISTILLERS FEED RESEARCH COUNCIL. Distillers feeds; their importance to the U. S. economy. Cincinnati, 1951. 56 p. 389.7 D63
- 78961 ELLIOTT, H. G. Recent developments in fodder conservation methods. *Westralian Farmers Co-op. Gaz., Stud Stock Sup.*, May 1951:42-43, 45, 47, 49, 51, 53, 55, 57. 280.28 W522
- 78962 FLACH, W. R. Application of quality control to feed formulation. *Feed Age* 1(3):14-18, 32. Mar. 1951. 389.78 F327
- 78963 FROST, W. P. Dairy feed supplies. *Noeast. Dairy Conf. Annu. Rpt.* 16:23-24. 1951. 44.9 N818
- 78964 GIBSON, J. A. Farm production surveys, visits keep regular customers satisfied. *Feedstuffs* 23(30):20-21. July 28, 1951. 286.81 F322
Public relations in the feed industry.
- 78965 GMELIN, W. Hat künstliche trocknung bei uns eine chance? *Württemb. Wchnbl. f. Landwirt.* 118:564. July 14, 1951. 18 W96
Feed.
- 78966 GMELIN, W. Wirtschaftlichkeit der künstlichen trocknung. *Württemb. Wchnbl. f. Landwirt.* 118:603-604. July 28, 1951. 18 W96
Feed.
- 78967 GOETZ K. Wohin mit den erfrorenen dickrößen? *Tech. f. Bauern u. Gärt. Ausg. A* 3:78. Feb. 10, 1951. 58.8 T223
On storage.
- 78968 GRASHUIS, J. What must organized farming require in mixed feeds? (In Dutch.) *Landbouw [Ruurlo]* 25(13):5. (Concl.) June 20, 1951. 12 L235
Netherlands.
- 78969 HACHMANN, W. Das mischungsverhältnis des mischfutters. *Mühle* 88:225, 257. (Cont.) Apr. 5, 19, 1951. 298.8 M89
- 78970 HACHMANN, W. Zusammenstellung der mischfutter. *Mühle* 88:26-27, 61-62. (Cont.) Jan. 11, 25, 1951. 298.8 M89
- 78971 HEYDT, G. Kartoffelflocken-erzeugung von molkereten. *Molk.-Ztg.* 5:443. Apr. 26, 1951. 44.8 M735
For feed.
- 78972 HOPF, L. Wieviel mehl ist noch in kleie und futtermehlen enthalten? *Müllerei* 4:459. July 7, 1951. 298.8 M91
Cellulose determination.
- 78973 HUBER, F. Die lagerhaltung im futtermühlenbetrieb. *Mühle* 88:95, 159, 191. (Concl.) Feb. 8, Mar. 8, 22, 1951. 298.8 M89
- 78974 KOPP, J. Neue erkenntnisse über blitzschlag und heustockentzündungen. *Grüne* 79:866-868. Aug. 3, 1951. 17 Sch9
- 78975 KROLIKOWSKI, J. A note on the regulation of sale of fodder. (In Polish.) *Med. Veter.* 7:248-251. Apr. 1951. 41.8 M463
Poland.

- 78976 KUSS. Erfolg der hauptfruchtfutterfläche. *Landwirt. Z. der Nord-Rheinprov.* 118:408-409. May 12, 1951. 18 L2344
Forage plant area and income obtained from feed, live-stock, and milk.
- 78977 LANIER, P. Les perspectives de la conjoncture alimentaire de l'hiver prochain. *Vie Lait.* 7(135):3. July 10, 1951. 44.8 V67
Feed in France.
- 78978 LEGARE, W. N. Improved method for recovering fish solubles. *Fishing Gaz.* 68(6):48. June 1951. 286.85 F53
- 78979 MAINARDI, B. Economical feed for livestock. (In Italian.) *Humus* 7(2):28-30. Feb. 1951. 16 H88
Analysis of various feeds.
- 78980 POULTRY COOPERATIVE ASSOCIATION OF SOUTHERN CALIFORNIA. PCA feeds meet quality requirements for economical production of eggs and meat. *Coop. Poultryman* 16(7):16-17, 48-49. July 1951. 47.8 C782
- 78981 RYAN, C. E. Feed manufacturers and the feed program. *Feed Age* 1(2):29, 64. Feb. 1951. 389.78 F327
- 78982 SCHULTZ, R. Die herstellung von küken-grütze mit einfachen mitteln. *Müllerei* 4:224. Mar. 31, 1951. 298.8 M91
- 78983 SOTOLA, J. Dehydrated alfalfa in formula feeds. *Feedstuffs* 23(29):34-37. July 21, 1951. 286.81 F322
- 78984 SPEERS, J. W. Modern formula feed packaging and loading equipment. *Feed Age* 1(3):19-26. Mar. 1951. 389.78 F327
- 78985 SPRONCK, J. Les aliments d'origine animale; les acides aminés dans les aliments d'origine animale. *Agriculture [Paris]* 15:163-164. June 1951. 14 Ag823
Feed analysis.
- 78986 THOMAS, M. Quelques conseils sur l'achat des aliments du bétail. *Défense Agr. de la Beauce et du Perche* 48:279. July 14, 1951. 14 D36
- 78987 TODD, J. R. Effect of altitude on the estimation of 'crude fibre.' *Nature [London]* 168:76-77. July 14, 1951. 472 N21
In feed.
- 78988 WILDER, O. H. M. Need for valuable animal proteins in present-day feed formulation. *Natl. Provisioner* 125(5):24, 26-28, 42. Aug. 4, 1951. 286.85 N21

FIBERS AND TEXTILES

- 78989 ALEXANDER, P., FOX, M., and HUDSON, R. F. The reaction of oxidizing agents with wool. 5. *Biochem. J.* 49:129-138. Ref. July 1951. 382 B52
- 78990 ANDERSEN, F. Studies on the mechanical properties of cellulose fibers in relation to the internal structure. Copenhagen, Akademiet for de Tekniske Videnskaber, 1950. 75 p. 73 An22
- 78991 ARTHUR, F. S. Wool production and world requirements. *Bradford Chamber Com. J.* 31(6):15, 17. June 1951. 287 B722
- 78992 ASHNER, R. M. Quality control of cotton fibers. *Textile Indus.* 115(8):143, 145, 147, 149, 151. Aug. 1951. 304.8 C823
Tests.
- 78993 ASHTON, H. Processing and blending of staple fibres with special reference to worsted and woollen yarn production systems. *Canad. Textile Seminar. Papers* 2:41-47. Sept. 1, 1950. 304.9 C16
- 78994 ASSOCIAZIONE DELL'INDUSTRIA LANIERA ITALIANA. Acts and information. (In Italian.) *Laniera* 65:393, 395, 397-436. May 1951. 45.8 B63
- 78995 BALLS, W. L. Spinning on the farm. *Empire Cotton Growing Rev.* 28:158-177. Ref. July 1951. 72.8 Em7
- 78996 BARBUT, M. Evolution, situation actuelle et perspectives d'avenir de la culture du cotonnier en Algérie. *Soc. des Agr. d'Algérie. B.* 95:136-145. 1950/51. 24 Sol
- 78997 BELL, H. A. Le lin et le chanvre a l'Exposition Textile Internationale de Lille. *Fleur Bleue* 15:23-27. July 1951. 304.8 F63
- 78998 BERZAGHI, M. N. The graphs show. (In Portuguese.) *Rev. dos Mercados* 2(7):35-41. Mar. 1951. 286.8 R328
Use of graphs in Brazilian cotton statistics.
- 78999 BLACKSHAW, S. Make way for the micron. *Canad. Textile Seminar. Papers* 2:94-97. Sept. 1, 1950. 304.9 C16
Fiber measurement.

- 79000 BOARDMAN, N. K., and LIPSON, M. A study of the polymerisation of methacrylamide in wool. Soc. Dyers & Colour. J. 67:271-274. Ref. July 1951. 306.9 S01
- 79001 BOGEA, J. P. Cotton. (In Portuguese.) *La-voura* 55:31. Mar./Apr. 1951. 9.2 L39
Quality.
- 79002 BOYCE, E. A. W. Fibre characteristics in relation to production & quality of finished cotton yarns & fabrics. *Canad. Textile Seminar. Papers* 2:98-103. Sept. 1, 1950. 304.9 C16
- 79003 BRAY, R. J. The function of the International Wool Secretariat in promoting wool research. (In Italian.) *Mondo Tessile* 6:296-297. May 1951. 304.8 M742
- 79004 BRAY, R. J., and CARTER, E. G. Trends in wool research. *Textile Mfr.* 77:322,324-325. July 1951. 304.8 T3126
- 79005 BRECH, R. World wool statistics. (In Italian.) *Laniera* 65:467,469,471. June 1951. 45.8 B63
- 79006 BROWN, F. E. Oils for wool processing. *Canad. Textile Seminar. Papers* 2:52-57. Sept. 1, 1950. 304.9 C16
- 79007 BROWN, J. J. Effect of fiber strength (X-ray angle) on single and ply yarn properties. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p.35. New Orleans, 1951. 1.9321 S2P942
Cotton.
- 79008 BRUNAES, J. What has been done and what is left undone in Norwegian textile industry. (In Norwegian.) *Norsk Tekstil Tid.* 32:155-159,169. June 1951. 304.8 N81
- 79009 CÁMARA ALGODONERA DEL PERÚ. Memoria anual correspondiente al año 1950. Lima, 1951. 93 p. 287 C14
- 79010 CANADIAN TEXTILE SEMINAR, QUEEN'S UNIVERSITY, 2, KINGSTON, ONTARIO, 1950. Papers. Montreal, 1950. 201 p. 304.9 C16
Issued by Textile Technical Federation of Canada.
- 79011 CASABLANCA, P. DE. Une exposition itinérante va permettre aux populations d'Afrique Noire de mieux connaître les efforts de l'industrie cotonnière française. *Rev. Internatl. des Prod. Colon.* 26:82-83. Apr. 1951. 286.8 R326
- 79012 CHEATHAM, R. J. Organization and functions of the Cotton Mechanical Processing Division [Southern Regional Research Laboratory]. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p.11-12. New Orleans, 1951. 1.9321 S2P942
- 79013 CHENG, R., and MORTON, W. E. Control of flat strips in carding. *Textile Mfr.* 77:326-327. July 1951. 304.8 T3126
- 79014 CLEYN, F. E. New methods of worsted drawing. *Canad. Textile Seminar. Papers* 2:35-36. Sept. 1, 1950. 304.9 C16
- 79015 COMMONWEALTH ECONOMIC COMMITTEE. Results of the fourth wool questionnaire, 1950. n.p., 1951. 17 p. 286.85 C733R
International Wool Textile Organisation, cooperating. Statistical.
- 79016 CRAWFORD, M. D. C. The early textile industry. In Glover, J. G., and Cornell, W. B., eds. The development of American industries, Ed. 3, p.117-155. New York, Prentice-Hall, 1951. 277.12 G51
- 79017 DAKIN, G. A review of the development of cotton spinning machinery. *Textile Mfr.* 77:317-318. July 1951. 304.8 T3126
- 79018 DALFSEN, J. W. VAN. Research en toepassing van fysische metingen aan ruwe katoen in U.S.A.; rapport over een studiereis naar U.S.A. gedurende April-Juli 1950 in het kader van het E.C.A. Technical Assistance Scheme, Project TA 47-28 [Research and practice of physical measurements of raw cotton in the U.S.A.; report of a study trip to the U. S. A. during April-July 1950 in connection with the E.C.A. Technical Assistance Scheme, Project TA 47-28]. Netherlands. Vezelinst. T.N.O. Meded. 100,34 p. 1950? 304.8 N38
English summary.
- 79019 DALY, J. C. Burlap—from seed to sack. *M. P. G. News* 5(12):5,7. July 1951. 75.8 M11
Jute industry in India.
- 79020 DANTAS, J. G. Quality of São Paulo cottons. (In Portuguese.) *Rev. dos Mercados* 2(5):73-75. Jan. 1951. 286.8 R328
- 79021 DAS, D. B., MITRA, M. K., and WAREHAM, J. F. A note on the action of hydrogen peroxide on jute. *Sci. & Cult.* 16:486-488. Apr. 1951. 475 Sci24
- 79022 DAVID, P. A. A progress report on decortication and degumming of ramie, *Boehmeria nivea* (Linn.) Gaudich. *Philippine Agr.* 34:59-60. July/Sept. 1950. 25 P542
- 79023 DAVIS, R. J. World study of hard fibers and hard fiber products. II. U. S. Off. Indus. & Com. Internatl. Trade Ser. 6,69 p. 1951. 157.55 W895
- 79024 DELL, A. Instructivos aspectos de la industria del lino en Gran Bretaña. *Campesino* [Santiago] 83(6):32-33,35,37. June 1951. 9.3 S012
- 79025 DENNEY, D. B. What to expect from Government regulations this coming season. *Oil Mill Gaz.* 56:41-42. July 1951. 307.8 O153
In relation to the cotton industry.
- 79026 A DISCUSSION on fibre properties and their influence on fabric characteristics. *Canad. Textile Seminar. Papers* 2:81-103. Sept. 1, 1950. 304.9 C16
A. C. Goodings, chairman.
- 79027 DUPRÉ, A. M., JR. Southern Regional Research Laboratory program on lint cotton utilization. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p.5-8. New Orleans, 1951. 1.9321 S2P942
- 79028 ELÖD, E. Aktuelles aus der faserforschung. (Abs.) *Angew. Chem.* 63:289. June 21, 1951. 384 Z33
- 79029 FARNSWORTH, H. V. P.S.C. system of spinning and twisting. *Canad. Textile Seminar. Papers* 2:30-34. Sept. 1, 1950. 304.9 C16
- 79030 FIORI, L. A. Effect of fiber fineness on yarn properties and processing techniques. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p.33-34. New Orleans, 1951. 1.9321 S2P942
Cotton.
- 79031 FLAX—a fibre of our being. *Rur. Bank N. S. Wales. Trends: Agr. Indus. Com.* 1(12):5-12. June 1951. 280.9 R882
The industry.
- 79032 FOSSATI, A. Transformation of the Italian textile industry. (In Italian.) *Cron. Econ.* 99:12-14. Mar. 1951. 280.8 C882
- 79033 FREITAS, H. DE. Cotton in the Northeast. (In Portuguese.) *Observador Econ. e Financ.* 16(183):66-73. Apr. 1951. 280.8 Ob72
The industry in Brazil.
- 79034 FROIER, K., and ZIENKIEWICZ, H. Results from laboratory researches on certain quality properties of Swedish flax tow from the production during the years 1946-1950. (In Swedish.) *Lin* 5:85-96. July/Aug. 1951. 73.18 L63
English summary.
- 79035 GRINDLE, N. L. Recent international discussions on wool. *U. S. Dept. State. B.* 25:116-119. July 16, 1951. 150 B87
- 79036 GROVER, E. B. Effect of fiber properties and processing techniques on nep formation. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p.38-40. New Orleans, 1951. 1.9321 S2P942
Cotton.
- 79037 GUILLEMET, P. La production cotonnière en Oubangui-Charl. *Coton et Fibres Trop.* 6:115-124. June 1951. 73.8 C82
- 79038 HALL, A. J. Fibre roughness and fabric soiling. *Textile Mercury & Argus* 125:67,69,71. July 13, 1951. 304.8 T318
- 79039 HALL, A. J. Fibre surface roughness. 3. The felting properties of wool. *Textile Mercury & Argus* 125:238,241,243. Aug. 10, 1951. 304.8 T318
- 79040 HAMP, P. Le lin stratégique. *Fleur Bleue* 15:13-16. July 1951. 304.8 F63
History.
- 79041 HEGAN, H. J. Historical development of, and the outlook for viscose fibres. *Textile Mfr.* 77:320-322. July 1951. 304.8 T3126
- 79042 HENEN, R. Rapport présenté à l'assemblée générale statutaire du 25 mai 1951 de l'Association Belge des Filateurs de Coton. *Monit. Textile* 13:991,993,995,997-999,1001,1003,1005-1006. July 1951. 304.8 M74
Includes cotton situation and outlook.
- 79043 HERNDON, L. R. Rayon manufacture by the viscose process. *Tenn. Acad. Sci. J.* 26:173-177. July 1951. 500 T25A
- 79044 HIRSCH, J. A. Nylon. *W. Va. Acad. Sci. Proc.* 22:208-211. 1950. 500 W52
- 79045 HOPKINS, G. E. Wool research in the United States. *Canad. Textile Seminar. Papers* 2:40. Sept. 1, 1950. 304.9 C16
- 79046 HUDSON, J. F., and MONTGOMERY, R. A. 1948-1949: quality of ginning service in relation to cost of ginning in south Louisiana. *Cotton Gin & Oil Mill Press* 52(17):16,33-34. Aug. 18, 1951. 304.8 C822

- 79047 HUTCHINSON, K. T. Cotton research and mobilization. Washington, U. S. D. A., Off. Sec., 1951. 11 p. 1.91 A2H97
Talk before Cotton Research Congress, College Station, July 27, 1951.
- 79048 ILLINGWORTH, J. W. Fibres and fabrics. *Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol.* 14: 47-53. Ref. 1950. 305.9 In7A
- 79049 INTERNATIONAL FEDERATION OF MASTER COTTON SPINNERS' AND MANUFACTURERS' ASSOCIATIONS. International cotton statistics; estimated world cotton spindles at 31st January 1951; consumption of cotton for half-year ending 31st January 1951, with previous figures for comparison. Manchester, 1951. 9 p. 72.9 In82C
- 79050 ISPAHANI, S. Pakistan manufacturing hopes. *Jute & Canvas Rev.* 22(274):7. July 1951. 73.38 J982
- 79051 JACKSON, R. C. Research of all phases of cotton industry can meet challenge. *Cotton Digest* 23(45): 8. July 28, 1951. 286.82 C822
- 79052 JOHNSON, F. M. Synthetic fibers. *Textile B.* 77(7):76-79. July 1951. 304.8 S082
- 79053 KATS, W. La situation actuelle du marché de coton aux Etats-Unis. (In Dutch.) *Econ.-Statist. Ber.* 36: 557-559. July 25, 1951. 280.8 Ec722
French summary, p.551.
- 79054 KEGGIN, J. F. The identification of ardil in mixtures. *Brit. Rayon & Silk J.* 28(326):53. July 1951. 304.8 S13
- 79055 KENYON, W. A. Rope: its place on land and sea. *Cordage World & Indus. Textile* 32(382):12-15, 17, 19; 21, 24. Aug. 1951. 73.8 C813
- 79056 KHAN, Z. A. Golden and silver fibres and textiles in relation to Pakistan's economy. *Cotton & Textiles J.* 1(5):11-13; (6):25-28. (Cont.) Apr.-May 1951. 304.8 C825
Jute and cotton.
- 79057 KOSHAL, R. S., and PANSE, V. G. A field investigation of the causes of reduction of cotton area in Bombay State. *Indian Cotton Growing Rev.* 5:61-99. Apr. 1951. 72.8 In23
- 79058 KUHLMEIJER, H. J. L'évolution de la situation mondiale du coton. (In Dutch.) *Econ.-Statist. Ber.* 36: 423-426. June 6, 1951. 280.8 Ec722
French summary, p.419.
- 79059 LALLOUR, M. L'organisation du marché des laines nationales. *Mouton* 6:49-50. May 1951. 45.8 M86
France.
- 79060 LAMOEN, F. L. J. VAN. Natriumchloriet als bleekmiddel, in het bijzonder voor linnen [Sodium chlorite as bleaching agent, especially for linen]. Netherlands. *Vezelinst. T.N.O. Meded.* 101, 26 p. July 1950. 304.8 N38
English summary.
- 79061 LANCKER, A. VAN. Determination of the drawing strength of yarn. (In Flemish.) *Textielwezen* 7(7):31-32, 35-36, 39-40, 42-43. July 1951. 304.8 T3147
- 79062 LAVELEYE, P. DE. Quelques statistiques textiles concernant le Royaume-Uni. *Rayonne et Fibres Synthétiques* 7(7):63-73. July 15, 1951. 304.8 R214
- 79063 LEVIN, M. Middle East-Israel; prospects for flax industry. *Agr. Econ.* 2(6):22-23, 31. Feb./Mar. 1951. 281.8 Ag832
- 79064 LIMA, F. Minimum prices of cotton in São Paulo. (In Portuguese.) *Rev. dos Mercados* 2(5):79-81. Jan. 1951. 286.8 R328
Gives production statistics, 1930-1950.
- 79065 LIPSON, M. The problem of brands in wool. *Textile J. Austral.* 26:295-298. May 21, 1951. 304.8 T3134
- 79066 LUND, R. G. Wool in greater need of close protection. *Straight Furrow* 10(7):6-7. May 1951. 281.8 St8
- 79067 MCLAURINE, W. M. Some impacts of world affairs upon the textile economy. *Rollins Col. Annu. Econ. Conf.* 16:55-65. 1951. 280.9 R65
- 79068 MAILLARD, F., and SZYMANEK, J. Contribution à la connaissance de la structure microanatomique du poil de laine. *Acad. des Sci. Compt. Rend.* 233:100-102. July 2, 1951. 505 P21
- 79069 MEDINA, J. C. Consumption of jute in Brazil and the situation of the domestic product. (In Portuguese.) *Rev. dos Mercados* 2(5):36-39. Jan. 1951. 286.8 R328
- 79070 MERKEL, C. M. Effect of ginning practices on cotton quality. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p.36-38. New Orleans, 1951. 1.9321 S2P942
- 79071 MEYBECK, J., and others. Contribution à l'étude du blanchiment au chlorite des fibres cellulosiques. *Inst. Textile de France. B.* 26:23-64. Ref. June 1951. 304.8 T3145
P. Allabert, J. Chabert, and A. Banderet, joint authors. English summary.
- 79072 MOORE, V. P. Some elements of cotton quality as affected by ginning. Washington, U. S. Prod. & Mktg. Admin., 1951. 8 p. 1.956 C82M78
Paper presented before meeting of the Louisiana-Mississippi Cotton Ginners' Association, Alexandria, La., May 29, 1951.
- 79073 MORAHAN, J. M. Where viscose stands today. *Rayon & Synthetic Textiles* 32(8):36, 63-64. Aug. 1951. 304.8 R21
- 79074 MURRAY, J. W. The modern textile industry. 2. Textile manufacture. In Glover, J. G., and Cornell, W. B., eds. *The development of American industries*, Ed. 3, p.166-174. New York, Prentice-Hall, 1951. 277.12 G51
- 79075 NIKITIN, N. I., and KLENKOVA, N. I. Effect of weak alkylation on properties of cellulose fiber. (In Russian.) *Zhur. Prikl. Khim.* 24:296-307. Ref. Mar. 1951. 385 Z64
- 79076 OCAMPO, J. A. El yute y la colonización del Oriente Peruano (Montaña). *Mensajero Agr.* 57/58:26-27. Jan./Feb. 1951. 9.8 M52
- 79077 O'KELLY, J. F. Comparative returns from cotton of different fiber properties. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p.13-17. New Orleans, 1951. 1.9321 S2P942
Includes discussion.
- 79078 PALMER, W. R. The Liverpool Cotton Market. *Egypt. Cotton Gaz.* 13:35-37. May 1951. 72.8 Eg9
- 79079 PEDRAZA, R. Clasificación comercial del algodón. *Agr. Trop.* 6(7):51-54; (8):49-51. (Cont.) July 15-Aug. 15, 1950. 26 Ag8
- 79080 PILLING, T. S. Calculation of yields of washed wool. (In Italian.) *Laniera* 65:473, 475, 477, 479. June 1951. 45.8 B63
Discusses various standards for wool.
- 79081 PINTE, and PIERRET. Dosage du soufre résiduaire des rayones viscose. *Inst. Textile de France. B.* 26:9-22. June 1951. 304.8 T3145
English summary.
- 79082 PORTER, H. G. European textiles and the Marshall Plan, an American viewpoint. *Egypt. Cotton Gaz.* 13:11-20. May 1951. 72.8 Eg9
- 79083 PRENTICE, W. E. Contribution to elimination of variables in woollen processing. *Canad. Textile Seminar. Papers* 2:48-51. Sept. 1, 1950. 304.9 C16
- 79084 PRESSLEY, E. H. Measurement of fiber properties. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, p.31-32. New Orleans, 1951. 1.9321 S2P942
Includes discussion.
- 79085 PUGH, G. The future of ramie. *Ala. Farmer* 30(7):10. Apr. 1951. 276.8 AL1
- 79086 RAU, J. Japans produktion synthetischer fasern. *Textil-Praxis* 6:523-524. July 1951. 304.8 T3143
- 79087 RICH, H. R., and CHASE, N. B. La humedad en la elaboración de la lana. *Textiles Panamer.* 11(8):27-29. Aug. 1951. 304.8 T3142
- 79088 RIFAAT, M. A. "Nationalisation" of the cotton crop; motives and consequences. *Egypt. Cotton Gaz.* 13:1-9. May 1951. 72.8 Eg9
- 79089 RODÊLO, D. DE O. Technology of cotton fiber. (In Portuguese.) *Rev. dos Mercados* 2(7):48-50. Mar. 1951. 286.8 R328
- 79090 ROSS, J. E., JR. Some observations on the economic aspects of ginning operations. Washington, U. S. Prod. & Mktg. Admin., 1951. 9 p. 1.956 C82
Remarks in panel discussion before meeting of the Tennessee Cotton Ginners' Association, Jackson, Tenn., May 4, 1951.
- 79091 RUSCA, R. A. Recent developments of textile machinery at the Southern Regional Research Laboratory. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Research Laboratory Conferences, March 19-21, p.27-31. New Orleans, 1951. 1.9321 S2P942
Includes discussion.
- 79092 SACCHETTI, M. The maceration of hemp. (In Italian.) *Bologna. U. Cent. di Studi per le Ricerche sulla Lavorazione, Colt. ed Econ. della Canapa. Quaderni* 7, 21 p. n.d. 73.29 B63

- 79093 SANDE, E. Wool production and wool marketing. (In Norwegian.) *Produsenten* 19:10. May 1951. 11 P94
Norway.
- 79094 SANTOS, M. DE LOS. La cordelería moderna. *Hacienda* 46(8):35-37. Aug. 1951. 6 H11
- 79095 SCHURINGA, G. J., and others. Vergelijkend onderzoek van methoden ter beoordeling van de rijpheid van katoen [Examen comparatif des méthodes d'appréciation de la maturité du coton]. Netherlands. *Vezelinst. T.N.O. Meded.* 103,55 p. Ref. Sept. 1950. 304.8 N38
A. D. J. Meeuse, D. de Meulemeester, G. Raes, and A. M. vanden Abeele, joint authors.
Text also in French.
- 79096 SCOTT, W. M. Trends in the chemical processing of cotton fabrics. *Amer. Dyestuff Rptr.* 40:P473-P476. July 23, 1951. 306.8 Am3
- 79097 SEN, D. L. Technological reports on trade varieties of Indian cottons, 1950. *Indian Cent. Cotton Comt. Technol. Lab. Technol. B. Ser. A* 75,91 p. Nov. 1950. 72.9 In2332A
- 79098 SESSA, L. The Congress of Lisle on Scientific Research as applied to the textile industry. (In Italian.) *Laniera* 65:341,343,345. May 1951. 45.8 B63
- 79099 SHAFFI, L. Report on progress in Pakistan. *Jute & Canvas Rev.* 22(274):5,15. July 1951. 73.38 J982
- 79100 SMITH, G. The main points of woolclassing. *Westralian Farmers Co-op. Gaz., Stud Stock Sup.*, May 1951:31-33,35. 280.28 W522
- 79101 SMITH, J. R. A timely question for the cotton industry: how much of the 1951 crop will be lost to fire? *Cotton Gin & Oil Mill Press* 52(15):9-10. July 21, 1951. 304.8 C822
- 79102 SMITH, L. National Cotton Council program on lint cotton utilization. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p.9-11. New Orleans, 1951. 1.9321 S2P942
Includes discussion.
- 79103 SØRENSEN, K., and PEDERSEN, E. Experiences and points of view as to pulling of flax by various types of machines. (In Danish.) *Lin* 5:97-100. July/Aug. 1951. 73.18 L63
English summary.
- 79104 SPEAKMAN, J. B. La plasticité de la laine, sa signification théorique et pratique. *Inst. Textile de France. B.* 26:65-84. Ref. June 1951. 304.8 T3145
English summary.
Abstract in English in *Textile Indus. & Fibres* 12:220-221. July 1951. 304.8 F16
- 79105 SPECIAL Cotton Commission. (In Portuguese.) *Rev. dos Mercados* 2(5):57-68. Jan. 1951. 286.8 R328
Several papers on the Brazilian cotton industry.
- 79106 STANCIL, D. H. Don't sell your 1951 cotton in the dark. *Prog. Farmer, Carolinas-Va. Ed.* 66(8):22, 75-76. Aug. 1951. 6 P945
Grading and classing service under the Smith-Doxey Act and prices by grade and staple.
- 79107 STAPLES, M. L. The chemical properties of certain textile fibres. *Canad. Textile Seminar. Papers* 2: 82-88. Sept. 1, 1950. 304.9 C16
- 79108 STEWART, E. Cotton and cheesecake; a case history of the Mald of Cotton Promotion. *Pub. Relat. J.* 7(7):11-12. July/Aug. 1951. 238.28 P96
- 79109 STRANG, P. M. The theory of carding. *Canad. Textile Seminar. Papers* 2:109-115. Ref. Sept. 1, 1950. 304.9 C16
- 79110 SYNTHETIC fibers. *Chem. Engin.* 58(8):125-132. Aug. 1951. 381 EL2
A special Chemical Engineering report.
- 79111 TENNENT, J. L. More lint and better lint and its effect on separation. *Oil Mill Gaz.* 56:81-85. July 1951. 307.8 O153
Cotton.
Includes discussion.
- 79112 THIEME, J. G. Retted flume tow. (In Flemish.) *Textielwezen* 7(7):21-22,25-26,29. Ref. July 1951. 304.8 T3147
English summary.
Tow prepared from the sisal waste.
- 79113 THOMASSET, L. F. Factores de rinde y de peso en el vellón ovino. Uruguay. *Min. de Ganad. y Agr. B. Inform.* 373:13. May 30, 1951. 9.9 G15B
- 79114 TRAILL, D. Some trials by ingenious inquisitive persons: regenerated protein fibres. *Soc. Dyers & Colour. J.* 67:257-270. Ref. July 1951. 306.9 S01
- 79115 TURL, L. H. The physical properties of certain textile fibres. *Canad. Textile Seminar. Papers* 2:88-91. Sept. 1, 1950. 304.9 C16
- 79116 TURNER, A. J. Bast and leaf fibres—development and prospects. *Textile Mfr.* 77:318-320. July 1951. 304.8 T3126
- 79117 U. S. BUR. OF THE CENSUS. Cotton production and distribution. U. S. Bur. Census. B. 187,75 p. July 31, 1951. 157.41 B89
Statistics.
- 79118 U. S. PRODUCTION AND MARKETING ADMIN. Charges for cotton ginning and marketing services and related data, season 1950-51. Washington, 1951. 2 p. 1.956 C82C372
- 79119 VARGA, A. Principles of carding. *Canad. Textile Seminar. Papers* 2:58-68. Sept. 1, 1950. 304.9 C16
- 79120 VATTER, A. *Textilkunde. Ed. 5.* Stuttgart, Holland & Josenhans, 1949-50. 2 v. 304 V45
Includes discussion of textile fibers.
- 79121 VIVANCOS GUERAO, I. Murcia productora de algodón, campaña algodonera 1949-1950. VI. *Cám. Ofic. SInd. Agr. de la Prov. de Murcia. B.* 100:7-8. Feb. 1951. 15 M93
- 79122 VIVES, M. Más sobre el cultivo del algodonero en España. II. *Siembra [Madrid]* 7(4):14-16. Apr. 1951. 15 S11
The industry.
- 79123 WEBER, F., and MARTINA, A. Die neuzzeitlichen textilveredlungs-verfahren der kunstfasern; die patentliteratur und das schrifttum von 1939-1949/50. 1-3. Wien, Springer, 1950-51. 3 v. 304 W38
- 79124 WEGENER, W., and QUESTEL, R. Untersuchungen über die ursache der zerstörung von nativen faserstoffen durch mikroorganismen II. *Melliand Textilber.* 32:493-499. Ref. July 1951. 304.8 T312
- 79125 WELLER, E. Synthetic fibers in the rubber industry. *Rayon & Synthetic Textiles* 32(8):39-41,48. Aug. 1951. 304.8 R21
- 79126 WILLIAMS, A. W. Some plain talk about wool. *Rayon & Synthetic Textiles* 32(8):31-32,46. Aug. 1951. 304.8 R21
- 79127 WILLIAMS, C. M. The post-J.O. wool marketing plan [Australia]. *Past. Rev.* 61:549,551. May 16, 1951. 23 Au75
- 79128 WILSON, L. T., and ROBERTS, N. F. Physical analysis of the fleece of sheep for biological purposes. I-III. *Austral. J. Agr. Res.* 2:181-219. Apr. 1951. 23 Au783
I, Actual and apparent cross-sectional areas of a staple of fleece wool under lateral compression, by L. T. Wilson; II, Estimation of the number and mean diameter of wool fibres from a cast of their cross-section, by L. T. Wilson; III, Means of measurement of the fibre-length distribution of fleece wool, by L. T. Wilson and N. F. Roberts.
- 79129 WINCHCOMBE, CARSON. 62nd annual wool review, with some comments on the frozen meat and fat stock trades. *Sidney*, 1951. 20 p. 45.9 W72
- 79130 WINDEL, D. Developments in the world raw cotton situation during the 1950-51 season. *Empire Cotton Growing Rev.* 28:195-201. July 1951. 72.8 Em7
- 79131 WINDEL, D. The raw cotton and cotton textile situation in the United Kingdom. *Egypt. Cotton Gaz.* 13: 21-25. May 1951. 72.8 Eg9
- 79132 WOOD, W. J. Wool grading in mill management. *Canad. Textile Seminar. Papers* 2:37-39. Sept. 1, 1950. 304.9 C16
- 79133 WOOL BUR. Suggested research and development studies for the woolen and worsted industry with notes on current research; 1951 supplement. New York, 1951. 8 p. 304.9 W882
- 79134 WORNER, R. K. Tests to help you know your cotton textiles. U. S. D. A. *Ybk.* 1950/51:457-465. 1 Ag84Y
- 79135 YOUNG, H. A. What the [National Cotton] Council does for the ginner. *Cotton Gin & Oil Mill Press* 52(16):9-10. Aug. 4, 1951. 304.8 C822
- 79136 ZELOMEK, A. W. The battle of the fibres. *Purchasing* 31:97-98. July 1951. 280.8 P972
- 79137 ZENTLER, A. P., and HOPKINS, S. V. Enquête sur le problème de la hausse de la laine. *Rev. Internatl. des Prod. Colon.* 26:75,77,79. Apr. 1951. 286.8 R326

FRUITS, VEGETABLES, AND NUTS

- 79138 ALBANESE, F. Difficulties of citrus production and possibilities of remedying them. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 4(49):5-7. July 7, 1951. 281.8 Ag3
The industry.

79139 APPERSON, A. H., JR. Growers alone unable to lick cull problem. *Va. Fruit* 39(5):10,12,14. May 1951. 81 V81B

Apple industry.

79140 BATTISTELLI, E. From fruit culture to fruit "macedoine." (In Italian.) *Colt. e Glor. Vinic. Ital.* 97: 147-148. May 31, 1951. 16 C72

The industry.

79141 BOGEA, J. P. The Licuri palm. (In Portuguese.) *Fazenda* 46(7):33. July 1951. 6 H11P

Brazilian coconut industry.

79142 BURKE, J. H. Recent changes in the citrus industry of Israel. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 62,62 p. July 1951. 1.943 F763

79143 BURKE, J. H. Recent observations on the citrus situation in Europe. *Grower [Adelaide]* 5(11):14-15. May 1951. 80 G912

79144 CARRANTE, V. World production and trade in fresh fruit. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:85-108. 1949, pub. 1950. 93.09 C769

English summary.

79145 CRUESS, W. V. Some observations on new fig products. *Calif. Fig Inst. Proc. Annu. Res. Conf.* 5: 27-35. Mar. 16, 1951. 93.44 C122P

79146 DETTMER, F. Die volkswirtschaftliche bedeutung und die gegenwärtige lage des niederelbischen obstbaues. *Landpost* 5(21):6. May 25, 1951. 18 L2348

79147 EATHER, H. W. Growing pineapples in Australia, a new export industry. *Gt. Brit. Min. Food. B.* 608:7-8. July 21, 1951. 389.9 G79B

79148 FANELLI, L. In the country of the cucumber. (In Italian.) *Glor. di Agr.* 61:213. July 8, 1951. 16 R1G -

The industry in Italy.

79149 FOLLEY, R. R. W. Economics in fruit production. *Fruit-Grower* 2898:57. July 12, 1951. 80 F941

Various aspects of the industry in Great Britain.

79150 FRENCH, B. C. Fruit industry developments; Australia can learn from U. S. A. *Fruit World & Mkt. Grower* 52(6):35. June 11, 1951. 80 F948

79151 JACOBS, E. E., JR. Raisins—big business; sixty per cent of the world's supply is grown in California's San Joaquin Valley. *Amer. Swedish Mon.* 45(6): 12-13, 28. June 1951. 286.8 Sw3

79152 KERTESZ, Z. I. The pectic substances. *New York, Intersci. Pub.* 1951. 628 p. 387.1 K47P

79153 LUCAS, D. The potato industry on a large scale. (In Portuguese.) *Fazenda* 46(7):25-26. July 1951. 6 H11P

California.

79154 MAKSIMOV, A. I. Toward a speedy development of northern fruit culture. (In Russian.) *Sad i Ogorod* 3:3-6. Mar. 1951. 80 Sa13

79155 MONCADE, G. L'avenir des agrumes en Afrique du Nord. *Voix des Colons* 33(1607):1; (1611):1. (Cont.) May 7, June 4, 1951. 24 V85

79156 PEDERSEN, K. Reflections in the strawberry season. (In Danish.) *Gart.-Tid.* 67:305-306. July 11, 1951. 80 G192

79157 RUEDA, F. La patata, variedades nacionales, áreas y producciones. *Cám. Ofic. Sind. Agr. de la Prov. de Murcia. B.* 97:3-5. Nov. 1950. 15 M93

79158 SIEBENEICK, H. Der kartoffelbau in Frankreich. *Kartoffelwirtschaft* 4:167-168. May 11, 1951. 286.83 K14

The industry.

79159 TORRES, M. DE, and PARIS EGUILAZ, H. La naranja en la economía española. Madrid, Sindicato Nacional de Frutos y Productos Hortícolas, 1950. 260 p. 93.331 T63

79160 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Citrus Board for the accounting year 1st March, 1948 to 28th February, 1949 and the balance sheet as at 28th February, 1949. Pretoria, 1951. 25 p. 286.9 So83

79161 WULFKUHLE, B. Kaw Valley potatoes just fade away. *Kan. Agr. Student* 27(4):2-3, 32. May 1951. 276.8 K13

The industry.

Analysis and Composition

79162 DEMURIAN, G. S. The chemical composition of Erevan plum. (In Russian.) *Akad. Nauk Armianskoï SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:357-359, 743-745. 1950. 20 Er4

79163 DOREMUS, G. L., CRENSHAW, F. A., and THURBER, F. H. Amylose content of sweetpotato starch. *Cereal Chem.* 28:308-317. Ref. July 1951. 59.8 C33

79164 DUPAIGNE, P. Contribution à l'étude du dosage de l'huile essentielle dans les jus d'agrumes. *Ann. des Falsif. et des Fraudes* 44(505/507):17-22. Jan./Mar. 1951. 389.8 An72

79165 GABRIELIAN-BEKETOVSKAIA, È. A. The chemical composition of quince fruits. (In Russian.) *Akad. Nauk Armianskoï SSR. Izv. Biol. i Sel'skokhoz. Nauk.* 3:347-352. 1950. 20 Er4

79166 KRAMER, A. Objective testing of vegetable quality. *Food Technol.* 5:265-269. Ref. July 1951. 389.8 F7398

79167 MAGNESS, J. R. Post-harvest chemistry and physiology of certain fresh fruits and vegetables. II. Pre-Pack-Age 4(11):15-16, 18-19, 24. Ref. July 1951. 280.38 P91

79168 PEYNAUD, E. Sur les acides organiques des pêches et des prunes. *Acad. des Sci. Compt. Rend.* 232: 2474-2475. June 25, 1951. 505 P21

79169 SPEIRS, M., and others. Variations in size of sample for the determination of moisture, ascorbic acid, and carotene in turnip greens. *South. Coop. Ser. B.* 10: 63-68. Mar. 1951. 100 G29So

J. Miller, H. P. Tucker, J. T. Wakeley, F. W. Sherwood, and F. D. Cochran, joint authors.

79170 STORTO, T. A new method of pectin evaluation. (In Italian.) *Indus. Ital. delle Conserve* 26:7-15. Ref. Jan./Feb. 1951. 389.8 In23

Pectin determination in fruit and other products.

79171 TREFETHEN, I., and FENTON, F. Effects of four cooking pressures on commercially frozen peas: cooking time, palatability, ascorbic acid, folic acid, thiamine, and riboflavin. *Food Res.* 16:342-346. Ref. July/Aug. 1951. 389.8 F7322

Consumption and Utilization

79172 BAKKEN, H. H., and KELLY, R. A. Color as a factor in consumer preferences for potatoes. *Badger Common 'Tater* 4(3):4-6, 8-9, 10-11. July 1951. 75.8 B14

79173 EGGERT, F. P., and BRIWA, K. E. Home uses for Maine apples. *Maine. Agr. Col. Ext. B.* 409, 12 p. Feb. 1951. 275.29 M281B

79174 JOHNSON, C. Potato criticisms from consumers. *Colo. Potato Grower* 28(11):1, 6. May 1951. 75.8 C71

79175 LLOYD, A. K. Who forms consumer preference? (Digest.) *Appleland News* 50(5):6, 8-11. May 1951. 80 Ap53

79176 REAL, A. Apología medicinal de los ajos. *Balearic Isl. Diputación Prov. B. de Agr.* 75:11. Dec. 1950. 15 B19

79177 SILVEIRA, A. H. DA. Rhubarb and its utilization. (In Portuguese.) *Seleç. Agr.* 6(60):27. Apr. 1951. 9.2 Se4

79178 SUSO MEZQUITA, M. Aprovechamiento de la uva. *Semana Vitivinica.* 6(249):3. Apr. 7, 1951. 95.8 Se5

79179 U. S. BUR. OF AGRICULTURAL ECONOMICS. Use of fruits by Chicago bakers. U. S. D. A. Agr. Inform. B. 42, 87 p. June 1951. 1 Ag84Ab

Distribution, Marketing, and Transportation

79180 ADAMS, C. Erfahrungen mit den frankfurter bedingungen 1950. *Kartoffelwirtschaft* 4:198-200. June 8, 1951. 286.83 K14

Potato marketing.

79181 AMERICAN CRANBERRY EXCHANGE. Annual report; crop season of 1950. New York, 1951. 15 p. 81 Am351

79182 APPLE GROWERS ASSOCIATION. Annual report for fiscal year ended April 30, 1951. Hood River, Oreg., 1951. 31 p. 281.3939 Ap5

79183 ARO, A. Mushroom trade in Finland. (In Finnish.) *Karstenia* 1:85-87. 1950. 451 K14

English summary.

79184 BRYCE, J. H. The walnut marketing agreement and its relation to changing marketing conditions. *Nowest. Nut Bowl* 2(11):1, 4-5. May 1951. 94.68 N81

79185 CALIFORNIA. BUR. OF MARKETS. Marketing order for canning fall and winter pears, as amended, 1951-1956, effective July 15, 1951. Sacramento, 1951. 17 p. 280.3939 C123Pc

79186 CROCE, F. M. Industrialización de grosellas al natural. *Vinos, Vinas y Frutas* 45:465-466. Apr. 1951. 9 Ag89

Varieties and marketing.

79187 DRIESSEN, W. M. Anbau- und absatzorganisation für obst- und gemüseezeugnisse in Holland. *Landwirt. Z. der Nord-Rheinprov.* 118:613. July 14, 1951. 18 L2344

Cooperatives.

- 79189 DRUCE, P. C. Market prospects for fruit and wine. Grower [Adelaide] 5(9):14-16,31-33. Mar.1951. 80 G912
Includes exporting.
- 79189 FOYTIK, J. California asparagus: marketing channels and farm-to-retail margins, 1949. Giannini Found. Mimeog. Rpt. 116,29 p. June 1951. 281.9 G34M
- 79190 FOYTIK, J. California carrots: marketing channels and farm-to-retail margins, 1948-1949. Giannini Found. Mimeog. Rpt. 118,29 p. July 1951. 281.9 G34M
- 79191 FOYTIK, J. California celery: marketing channels and farm-to-retail margins, 1948-1949. Giannini Found. Mimeog. Rpt. 117,29 p. June 1951. 281.9 G34M
- 79192 FOYTIK, J. California Thompson seedless grapes: marketing channels and farm-to-retail margins, 1948. Giannini Found. Mimeog. Rpt. 115,28 p. June 1951. 281.9 G34M
- 79193 FOYTIK, J. Some information bearing on the car concentration plan for California Tokay grapes, a preliminary report. Berkeley, Calif. Agr. Expt. Sta., 1950. 40 p. 281.393 C12S0
Contribution from Giannini Foundation of Agricultural Economics.
- 79194 GELLER, G. Increased sales goal of the 1951 bartlett programs. West. Fruit Grower 5(7):23-24. July 1951. 95.8 G762
- 79195 GESSNER, A. L., and COLLINS, E. C. Marketing canned fruits and vegetables processed by cooperatives, 1948-49. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 151,88 p. June 1951. 166.3 M68
- 79196 HINES, W. K. Good merchandising can move dried fruit and raisins. West. Fruit Grower 5(6):37. June 1951. 95.8 G762
- 79197 HÜTTEBRÄUKER. Bäuerliche Zusammenarbeit über die grenzen. Landwirt. Z. der Nord-Rheinprov. 118:454-455. May 26, 1951. 18 L2344
Marketing organization for fruit and vegetables in the Netherlands.
- 79198 JEFFERY, P. H. Distribution of dried fruits in Australia. Austral. Dried Fruits News 26(2):18-21. Mar./Apr. 1951. 286.83 Au72
- 79199 JEWELL, R. Has the prune industry solved its marketing problems? West. Fruit Grower 5(6):15-20. June 1951. 95.8 G762
- 79200 JONG, L. G. C. DE. Economic problems of vegetable production; toward a modified marketing organization. III. (In Dutch.) Boer en Tuinder 5(228):4. June 2, 1951. 12 B632
Netherlands.
- 79201 KLAUS, E. Haben sich die winzergenossenschaften bewährt? Bauern Ztg. 4(20):8. May 18, 1951. 18 B324
Germany.
- 79202 KLÜTER. Kartoffelverladekontrolle als qualitätsfördernde massnahme. Landwirt. Z. der Nord-Rheinprov. 118:402. May 12, 1951. 18 L2344
- 79203 LIBEAU, C. P. Marketing potatoes for consumer approval. Idaho. Agr. Expt. Sta. B. 285,24 p. Ref. June 1951. 100 Id1
- 79204 MCARTHUR, R. A. Do prunes need marketing programs for economic stability? West. Fruit Grower 5(6):29-30. June 1951. 95.8 G762
- 79205 MCFARLANE, G. C. Marketing New South Wales bananas. Rev. Mktg. & Agr. Econ. 19:5-23. Mar. 1951. 286.8 N47M
- 79206 MARSHALL, L. M. How to handle and popularise asparagus. Fruit, Flower & Veg. Trades' J. 99(20):28. May 19, 1951. 80 F946
- 79207 MATKIN, T. D. Marketing Board publicity for tomatoes and cucumbers. Fruit, Flower & Veg. Trades' J. 99(24):31,34. June 16, 1951. 80 F946
Great Britain.
- 79208 MONCADE, G. Agrumiculteurs—primeuristes. Voix des Colons 33(1616):3-4. July 9, 1951. 24 V85
Marketing of North African citrus.
- 79209 RALIA, N. The work of the State railways in advancing fruit and vegetable products. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(46):1-3. June 27, 1951. 281.8 Ag3
- 79210 SACHER, E. Der verzug des käufers. Kartoffelwirtschaft 4:165-167. May 11, 1951. 286.83 K14
Germany.
- 79211 SCHOENDORF, A. J. Newcastle Fruit Growers Association celebrates fiftieth anniversary. Blue Anchor 28(3):12-21. Aug. 1951. 286.83 B62
- 79212 STAHR, A. The customer comes to you! Pennsylvania farmer cuts out middle man's profit by bringing the customer directly to his organic farm. Org. Farmer 3:34-37. Aug. 1951. 57.8 Cr3
- 79213 THAYER, E. N. Selling is what keeps whole dried fruit industry going. Sunsweet Standard 35(3):4-5. Aug. 1951. 286.83 Su7
- 79214 TONAZZI, S. Prospects for cooperation in the field of fruit culture and the commercial organization of selling in foreign and national markets. (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:118-123. 1949, pub. 1950. 93.09 C769
English summary.
- 79215 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Potato Board for the accounting year 1st December, 1947 to 30th November, 1948 and the balance sheet as at 30th November, 1948. Pretoria, 1950. 16 p. 286.3759 So8
- 79216 U. S. PRODUCTION AND MARKETING ADMIN. Reduction of cantaloup loss and damage in rail transportation through use of the upright loading method; an interim report, by J. C. Winter. Washington, 1951. 16 p. 1.956 M343R242
- 79217 VAN DYKE, A. W. Retailing carrots. Conn. Agr. Col. Ext. L. 22,4 p. May 1951. 275.29 C76B
- Grading, Inspection, Standardization, and Quality
- 79218 CLAYPOOL, L. L. Improving fruit quality for the consumer. West. Fruit Grower 5(7):18-20. July 1951. 95.8 G762
- 79219 CORSTIAENSEN, W. P. M. Aardappel sorteermachines [Potato sorting machine]. Inst. v. Landbtech. en Rationalisatie. P. 7,54 p. Feb. 1951. 58.9 W12
- 79220 HAIGHT, G. P., JR. Solubility of methyl bromide in water and in some fruit juices. Indus. & Engin. Chem. 43:1827-1828. Aug. 1951. 381 J825
Methyl bromide used in insect control.
- 79221 LORANT, M. Making model fruits for grading checks. Fruit, Flower & Veg. Trades' J. 100(4):25. July 28, 1951. 80 F946
- 79222 MARSHALL, C. R. Oxidation in apple juice. I-II. J. Sci. Food & Agr. 2:314-327. Ref. July 1951. 382 So12
- 79223 MOORE, J. F. Tenderometer readings reveal data on pea sieve-size grade. Food Packer 32(8):34,52-53. Aug. 1951. 286.83 C165
- 79224 NATIONAL PICKLE PACKERS ASSOCIATION. Warning against use of cucumbers grown on land treated with benzene hexachloride. Oak Park, Ill., 1950. sheet. 91.51 N21W
- 79225 NOLD, T. The new apple grades. Amer. Fruit Grower 71(7):20-22. July 1951. 80 G85
- 79226 PILGRIM, A. J., and WARNER, R. M. Comparison of quality in seedless and caprifig Calimyrna figs. Calif. Fig Inst. Proc. Annu. Res. Conf. 5:10-13. Mar. 16, 1951. 93.44 C122P
- 79227 POULSEN, H. W. New regulations designed to improve or strengthen California fruit standardization laws. West. Fruit Grower 5(7):22. July 1951. 95.8 G762
- 79228 RUDOLFS, W., FALK, L. L., and RAGOTZKIE, R. A. Contamination of vegetables grown in polluted soil. VI. Application of results. Sewage & Indus. Wastes 23:992-1000. Aug. 1951. 293.8 Se8
- 79229 SULLIVAN, T. E. Artificially colored potatoes. Assoc. Food & Drug Off. U. S. Q. B. 15:102-107. July 1951. 389.9 As7Q
Regulation.
- 79230 THOMAS, P. H. Tasmanian apple and pear standards. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:125-126. May 1951. 23 T182T
- 79231 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned pineapple. Washington, 1950. 20 p. 1.9422 Fr5P65
Supersedes the standards that have been in effect since May 31, 1943.
- 79232 VENBAAS, A. The influence of price regulations on the quality of potatoes. (In Dutch.) Voeding 12:220-227. June 15, 1951. 389.8 V85
- 79233 WHITE, M. Comparison of weight losses and defects in early Irish potatoes shipped by van and open truck, and of value of water chlorination in preventing decay. Ala. Agr. Expt. Sta. Prog. Rpt. Ser. 49,8 p. June 1951. 100 AL1M
- 79234 ZIMMERMANN, E. Minderung von speisekartoffeln unter den futterwert durch das sachverständigen-gutachten. Kartoffelwirtschaft 4:201-202. June 8, 1951. 286.83 K14
Quality and prices.
- Packing and Packaging
- 79235 ARCHER, D. New million-dollar packing plant for lemons. Fruit & Veg. Rev. 13(5):12-13. Aug. 1951. 80 C1224
Includes the packing process.

- 79236 BANTA, E. S. Shifts in eastern packing techniques. *Amer. Fruit Grower* 71(8):10-11. Aug. 1951. 80 G85
Containers.
- 79237 BENUR, J. Shiklolim be-arizat feri hadar [Improvements in citrus packing]. Tel Aviv, Dept. Agr., 1950. 11 p. 280.393 B44
- 79238 BOHN, R. Zur frage der verpackungsmittel für obst und gemüse. *Obstbau* 70:74. May 1, 1951. 80 Ob73
- 79239 DOCK, E. H., and BRYANT, P. M. Packaging of vegetables. *Gt. Brit. Min. Food. B.* 606:3-5. July 7, 1951. 389.9 G79B
Also in *Fruit, Flower & Veg. Trades' J.* 99(23):16. June 9, 1951. 80 F946
- 79240 FRIEDMAN, B. A. Control of decay in pre-packaged spinach. *Phytopathology* 41:709-713. Aug. 1951. 464.8 P56
- 79241 GODWIN, M. R. Consumer packaging as a method of retailing fruits & vegetables produced in the Northeast. 1. Consumer acceptance and retailing losses. N. Y. (Cornell) Agr. Expt. Sta. B. 870,35 p. July 1951. 100 N48C
- 79242 ISHIDA, J., and SUMIDA, Y. D. Use of second-hand fruit and vegetable containers for marketing island produce. *Hawaii. U. Agr. Ext. C.* 309,2 p. June 1951. 275.29 H312Ac
- 79243 NELSON, P. Packaged dried fruits pyramid profits. *Good Packaging* 12(7):142-144,169-170. July 1951. 280.38 G59
- 79244 SCOTT, R. C. Pointers on consumer packaging. *Amer. Fruit Grower* 71(8):9,23. Aug. 1951. 80 G85
- 79245 SHERRILL, W. \$300 portable system pays off for shipper. *West. Grower & Shipper* 22(9):13,19. Aug. 1951. 280.38 W52
Celery packaging.
- 79246 SMITH, R. J. New lemon boxes. *Calif. Citrog.* 36:438,458-460. Sept. 1951. 80 C125

Prices, Price Control, and Rationing

- 79247 BACHE, E. Thoughts in the strawberry season. (In Danish.) *Gart.-Tid.* 67:320-321. July 18, 1951. 80 G192
Chiefly on prices of strawberries for preserving.
- 79248 HOOS, S. Statistical analysis of the annual average F.O.B. prices of canned apricots, 1926-27 to 1950-51. *Glannini Found. Mimeog. Rpt.* 120,9 p. July 1951. 281.9 G34M
- 79249 MALLOCH, P., and GORDON, J. R. The U.K. price increase. *Austral. Dried Fruits News* 26(2):6-8. Mar./Apr. 1951. 286.83 Au72
Dried currants and raisins.
- 79250 REIZENSTEIN, H. H., and BITTING, H. W. Farm-to-retail margins from Appalachian apples marketed in Pittsburgh, 1949-50 season. U. S. D. A. Inform. B. 44,26 p. Apr. 1951. 1 Ag84Ab
- 79251 RICE, W. S. Cannery bid to \$120 per ton for 'cots; very light tonnage going to dryyards. *Sunsweet Standard* 35(3):8-9. Aug. 1951. 286.83 Su7

Processing and Storage

- 79252 ALMEIDA, J. R. DE., and VALSECCHI, O. Fermentation of jaracatiá [Carica dodecaphylla]. (In Portuguese.) *Bras. Açucareiro* 36:589-591. Nov./Dec. 1950. 65.8 B73
- 79253 ALMEIDA, J. R. DE., and VALSECCHI, O. Fermentation of the pear. (In Portuguese.) *Bras. Açucareiro* 36:433-436. Oct. 1950. 65.8 B73
- 79254 BENVENIGNI, L., and HAMMEL, G. Un nouveau pressoir hydraulique à corbeille rotative et à rebêchage automatique. *Rev. Romande d'Agr. de Viticult. et d'Arboricult.* 7:19-22. Mar. 1951. 17 J82A
Grape pressing equipment.
- 79255 BOTTINI, E. Chemico-agrarian aspects of refrigeration and the freezing of fruit and vegetables. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:379-391. 1949, pub. 1950. 93.09 C769
English summary.
- 79256 BRIANT, A. M., and DUDGEON, L. Jellies and jams. N. Y. Agr. Col. Cornell Ext. B. 825,8 p. May 1951. 275.29 N48E
Steps in making jellies and jams.
- 79257 CALDWELL, J. S., and CULPEPPER, C. W. Armed forces demands bring dehydration study. *West. Canner & Packer* 43(8):44-46,48. July 1951. 286.83 W522
Vegetables.
- 79258 CARLETON, W. M., and CURTIS, T. A. This pilot setup points way to new juice concentrates. *Food Engin.* 23(8):149,151. Aug. 1951. 389.8 F737

- 79259 CHYC, E. Konservieren von obst im bauern-hause. *Pflug* 4:133-135. June 1951. 19 P48
- 79260 COHEE, R. F., JR. Glucose-sulfur helps hold color in peach preserves. *Food Packer* 32(8):26-27. Aug. 1951. 286.83 C165
- 79261 COSMA, G. The importance of the use of sulfured fruit pulp for the production of marmalades and preserves in order to use mass production for economic utilization. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:474-478. 1949, pub. 1950. 93.09 C769
- 79262 CULTRERA, R. Development of the industrial utilization of horticultural products. (Sum.) (In Italian.) *Indus. Ital. delle Conserve* 25:155-161. Sept./Oct. 1950. 389.8 In23
Processing.
- 79263 DEVOE, E. T. A cooperative takes over. *Pa. Farmer* 145:42. July 28, 1951. 6 P383
Vegetable canning by the Bloomsburg Cooperative Cannery.
- 79264 DOLINSKY, I. Un exemple d'utilisation de la banane mûre. Fabrication d'une farine composée. *Fruits* 6:245. June 1951. 80 F9492
- 79265 DUBOIS, C. W., and KEW, T. J. Storage temperature effects on frozen citrus concentrates. *Refrig. Engin.* 59:772-775,812. Ref. Aug. 1951. 295.9 Am32J
- 79266 DUNLAP, H. C. Dried Fruit Association of California. *West. Fruit Grower* 5(6):31-32. June 1951. 95.8 G762
- 79267 EMANUELE, F. Technical evolution in plants for the production of tomato concentrates. (In Italian.) *Indus. Ital. delle Conserve* 25:141-145. Sept./Oct. 1950. 389.8 In23
- 79268 EMANUELE, F. Technical orientation on the preparation of fruit juices. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:400-406. 1949, pub. 1950. 93.09 C769
English summary.
- 79269 ESSELEN, W. B., JR., and others. Pasteurized fresh whole pickles. I. Pasteurization studies. *Food Technol.* 5:279-284. Ref. July 1951. 389.8 F7398
E. E. Anderson, L. F. Ruder, Jr., and I. J. Pflug, joint authors.
- 79270 FOURNET, E. Pickles and relishes. *La. Agr. Col. Ext. P.* 1075, rev., 23 p. Mar. 1951. 275.29 L93Ep
Formerly Extension Bulletin No. 1.
- 79271 GOULD, W. A. High quality tomatoes, juice, pulp—step-by-step. *Food Packer* 32(8):28-29,46. Aug. 1951. 286.83 C165
- 79272 HAARER, A. Warum süßmost? Landfrauenarbeit 28:219-221. July 14, 1951. 18 L2347
Manufacture.
- 79273 HAMMOND, A. E. A Buckinghamshire grower's views on cold storage. *Fruit, Flower & Veg. Trades' J.* 99(23):17,22. June 9, 1951. 80 F946
Potatoes.
- 79274 HAMMOND, A. E. Can we learn from America? Yes—in the technique of handling quick-frozen foods. *Fruit, Flower & Veg. Trades' J.* 99(21):16-17. May 26, 1951. 80 F946
- 79275 HAMMOND, A. E. Fruit storage and packing in Italy; a survey. *Fruit, Flower & Veg. Trades' J.* 99(22):28-29. June 2, 1951. 80 F946
- 79276 HARRINGTON, W. O., OLSON, R. L., and MCCREADY, R. M. Quick-cooking dehydrated potatoes. *Food Technol.* 5:311-313. Ref. Aug. 1951. 389.8 F7398
- 79277 HINKEL, E. T., JR. The effect of chemical treatment of papaya latex on the initial activity and stability of papain. N. Y. Acad. Sci. Ann. 54:255-262. Ref. May 16, 1951. 500 N484
- 79278 HINKEL, E. T., JR. Further studies on the effect of drying conditions and of the chemical treatment of papaya latex on the stability of papain. N. Y. Acad. Sci. Ann. 54:263-272. Ref. May 16, 1951. 500 N484
- 79279 HOPKINS, E. F., and LOUCKS, K. W. The dowlicide A-hexamine treatment of citrus fruits for the control of mold and stem-end rot decay. *Citrus Mag.* 13(12):22-26. Aug. 1951. 80 C498
- 79280 JONES, I. D. Some factors involved in the brining of cucumbers. *Canning Trade* 74(6):6-7. Aug. 27, 1951. 286.83 T67
- 79281 KELLER, W. L., GATEWOOD, A. R., and SMYTH, R. A. Protection for "Chiquita Banana." *Standardization* 22:237-239. Aug. 1951. 297.8 In22
Refrigerating equipment.
- 79282 KEMP, H. K. Cold storage tests continue in view of possible need of European markets for expanded citrus crop. *Citrus News* 27:51. Apr. 1951. 80 C494
- 79283 KLUGE, T. C. We must plan for the future. *West. Fruit Grower* 5(6):11-12. June 1951. 95.8 G762
Dried fruits.

- 79284 KRISHNAN, S. R. R. Synthetic rice production. *Planters' Chron.* 46:217. Apr. 15, 1951. 22 P693
A mixture of tapioca, groundnut, banana and other vegetable substances.
- 79285 LAL, G., and JAIN, N. L. Canning of oranges. *Indian J. Hort.* 8(2):1-10. Ref. June 1951. 80 In2
- 79286 LANGHAM, M. Three ways of preserving fruit and vegetables. *Co-op. Home Mag.* 56(7):3. July 1951. 280.28 W563
- 79287 LEE, F. A., and JOHANNESSEN, G. A. An objective method for measuring the effect of freezing rate on asparagus. *Food Technol.* 5:263-265. July 1951. 389.8 F7398
- 79288 LEGGETT, J. T., and SUTTON, G. E. Pre-cooling of citrus fruits. *Fla. Engin. & Indus. Expt. Sta.* B. 43,31 p. May 1951. 290.9 F66
- 79289 LUNDEEN, G. A., WORTHINGTON, O. J., and WIEGAND, E. H. A new market for fruit purees; frozen dessert has several advantages over ice cream and could help cut waste of surplus, dead-ripe fruit. *Food Packer* 32(8):30-31, 53-55. Aug. 1951. 286.83 C165
- 79290 LYNCH, L. J., and MITCHELL, R. S. The physical measurement of quality in canning of peas. *Austral. Commonwealth Sci. & Indus. Res. Organ. B.* 254,35 p. Ref. 1950. 514 Au72B
- 79291 MCCOLLOCH, R. J., NIELSEN, B. W., and BEAVENS, E. A. A new frozen avocado product. *West. Canner & Packer* 43(8):32-33. July 1951. 286.83 W522
Similar title in *Canner* 113(5):26,28. Aug. 4, 1951. 286.83 C16
- 79292 MALIN, W. F. "Rebel" on the production line. *Canner* 113(4):10-12. July 28, 1951. 286.83 C16
Pea canning equipment.
- 79293 MAUCH, A., and VAHL, E. VON. Die erfahrungen mit den neuen lagerhäusern und ihre verbesserungsmöglichkeiten. *Obstbauversring. Mitt.* 6:53-56. Apr. 1951. 85 J76
- 79294 MEYER, F. W., JR. On-end loading pays off in test. *West. Grower & Shipper* 22(9):15-16, 36. Aug. 1951. 280.38 W52
Cantaloupes.
- 79295 MOSER, R. E., JR. Frozen apple juice concentrate. *Va. Fruit* 39(6):33-34. June 1951. 81 V81B
- 79296 MOYER, J. C., and others. Pilot plants; tomato juice line. *Indus. & Engin. Chem.* 43:1874-1880. Ref. Aug. 1951. 381 J825
K. C. Holgate, R. L. LaBelle, and D. B. Hand, joint authors.
- 79297 NICOLAISEN-SCUPIN, L. Der derzeitige stand der gaskühllagerung von gemüse und obst in forschung und praxis. *Früchte u. Gemüse Markt* 3(27):23,25-26. July 6, 1951. 286.83 F9425
- 79298 NOEL-BUXTON, LORD. Freeze the crop and thaw the glut. *Farmers Wk.* [London] 35(3):51. July 20, 1951. 10 F2226
Methods of preserving fruits and vegetables by refrigeration.
- 79299 PADFIELD, C. A. S. The effect of periods of pre-storage delay on the ground-colour and cool-storage disorders of Granny Smith apples. *New Zeal. J. Sci. & Technol. A, Agr. Res. Sect.* 31:40-48; 32:25-32. Ref. Dec. 1949, Aug. 1950. 514 N48A
- 79300 PETERS, C. W. Costs of processing fruits and vegetables. *Canner* 113(3):12,14,16. July 21, 1951. 286.83 C16
- 79301 RANNINGER, R. Haltbare zwiebeln durch patentkali. *Gartenbauwirtschaft [Wien]* 1951:50. Mar. 10, 1951. 80 G1936
- 79302 REBOUR, H. Les enseignements de la campagne-de séchage des figues en Kabylie. *Fruits et Primeurs de l'Afrique du Nord* 21:191-194. June 1951. 80 F9482
- 79303 ROBINSON, W. B., RANSFORD, J. R., and HAND, D. B. Measurement and control of color in the canning of tomato juice. *Food Technol.* 5:314-319. Ref. Aug. 1951. 389.8 F7398
- 79304 ROYO IRANZO, J. Fabricación y conservación de los jugos de naranja concentrados. *Rev. de Cien. Apl.* 5(18, fasc.1):41-52. Ref. Jan./Feb. 1951. 475 R324
- 79305 SHCHERBOVA, A. I. To take care of the potato seed stocks. (In Russian.) *Sad i Ogorod* 1951:67-69. Jan. 1951. 80 Sa13
- 79306 SKEPPER, A. H., and DAVISON, J. R. Dehydration of fruit. *Grower [Adelaide]* 5(10):27-31. Apr. 1951. 80 G912
- 79307 SMITH, W. H. Temperature must be right for cold stored vegetables. (Sum.) *Tomato & Stone Fruit J.* 15(229):4-6. Feb. 12, 1951. 80 T592
- 79308 STERN, I. Concentrated citrus fruit juices. *Perfumery & Essential Oil Rec.* 42:225-230, 249. (Cont.) July 1951. 308.8 P41
- 79309 SWAINE, R. L. The effect on the flavor of strawberry preserves caused by partial replacement of sucrose with other sweeteners. *Food Technol.* 5:291-292. July 1951. 389.8 F7398
- 79310 SZEMBER, A. Mikroflora drożdżowa owoców krajowych. Yeasts on fruits in Poland. *Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. E* 5,221-238. 1950. 512 L96Ae
English summary.
- 79311 THORPE, A. E. Dried fig industry, a grower-packer cooperative deal. *West. Fruit Grower* 5(6):25. June 1951. 95.8 G762
- 79312 U. S. BUR. OF AGRICULTURAL ECONOMICS. Virginia apple processors report for 1950. Richmond, 1951. 1 p. 1.941 S8Ap52
Virginia Department of Agriculture, Division of Agricultural Statistics cooperating.
- 79313 VEIGA, A. DE A. Technological practices with tomatoes. (In Portuguese.) *Rev. de Agr. [Piracicaba]* 26:161-178. May/June 1951. 9.2 R324
Processing.
- 79314 VICTORIA. DRIED FRUITS BOARD. Annual report for year ended 31st December, 1950. Melbourne, 1951. 16 p. 281.3939 V66
Contains dried fruit statistics.
- 79315 WARD, N. M. Recomendaciones para almacenar cebollas. *Serv. Coop. Interamer. de Prod. de Aliment. Ser. Inform. Téc.* 58,4 p. Jan. 1951. 9.8 Se6
- 79316 WEISS, H. Eine neue obstkonserven mit hohem gehalt an stärke-sirup. (Abs.) *Angew. Chem.* 63:315. July 7, 1951. 384 Z33
- 79317 ZIEMBA, J. V. Perking up process performance; how 10 changes did it in preserve operation. *Food Engin.* 23(8):70-72, 156-158. Aug. 1951. 389.8 F737
Jelly manufacture.

Statistics

- 79318 BAGGLI, W. Zweck, ziel und methode der eidgenössischen obstbaumzählung. *Schweiz. Z. f. Obst- u. Weinbau* 60:275-280. July 28, 1951. 80 Sch9
- 79319 DOASO OLASAGASTI, M. La remolacha azucarera se da muy bien en la Montaña. *Sind. Vertical del Azúcar. B. de Inform.* 5(50):6. Feb. 1951. 65.9 Si6
Yields and returns in Spain.
- 79320 DRAHEIM, G. Die obstbaumzählung 1949. *Statist. Praxis* 6:57-60. Apr. 1951. 251.8 St25
Germany.
- 79321 FLORIDA citrus fruit, v. 3, annual summary 1950. Orlando, 1950. 46 p. 93.33 F664
- 79322 GERMANY. FEDERAL REPUBLIC, 1949-. STATISTISCHES BUNDESAMT. Die ernte von gemüse und erdbeeren 1950. Germany. *Statist. Bundesamt. Statist. Ber.* 3(5/12), 51 p. June 15, 1951. 265 V58
Statistics.
- 79323 HARTARD EBERT, M. Nuestros cultivos y cosechas de lentejas. *Campesino [Santiago]* 83(6):21,23. June 1951. 9.3 So12
Chilean statistics.
- 79324 MILLER, C. R. 20-to-40 millions bushels just won't stay buried. *Appleland News* 15(4):12,14-15. Apr. 1951. 80 Ap53
Statistics.
- 79325 RIOS, R. M. The culture of potatoes in the State of São Paulo. (In Portuguese.) *Rev. dos Mercados* 2(5):32-35. Jan. 1951. 286.8 R328
Statistics.

GRAIN AND GRAIN PRODUCTS

- 79326 AHLBORN, F. Neue ausmahlungs- und typen-vorschriften. *Müllerei* 4:321. May 12, 1951. 298.9 M91
- 79327 ALBERIZZI, D. E. Consumption of rice in Italian families. (In Italian.) *B. dell'Agr.* 84(22):1. Nov. 17, 1950. 16 B87
- 79328 ALTROGGE, L., and SCHAFER, W. Die kleischleuder im modernen vermahlungsdiagramm. *Müllerei* 4(29):31-34. July 21, 1951. 298.8 M91
- 79329 ALTROGGE, L. Zur weiterentwicklung der getreidekonditionierung. *Mühle* 88:49-50. Jan. 25, 1951. 298.8 M89
- 79330 ANDERSON, M. A. How much grain can we grow? Iowa. *State Col. Agr. Ext. Iowa Farm Sci.* 6:9-11. July 1951. 275.28 Io94
Potential production prospects.

- 79331 ARGENTINA. DIRECCION NACIONAL DE GRANOS Y ELEVADORES. DIRECCION DE FOMENTO Y CONTRALOR DE LA PRODUCCION. Comportamiento varietal de la producción triguera argentina cosecha 1949/50. Argentina. Dir. Nac. de Granos y Elevadores. B. Inform. 12:18-40. Mar.31,1951. 286.81 Ar3
- 79332 BAEHR, H. A. The wheat flour market in Venezuela. Nowest. Miller 246(6):24,28,52,56. Aug.7, 1951. 298.8 M81
- 79333 BARTH, W. Zur theorie der pneumatischen förderung in der mühle. Müllerei 4(29):37-40. July 21, 1951. 298.8 M91
- 79334 BATTISTELLI, E. Grain forecasts. (In Italian.) Colt. e Glor. Vinc. Ital. 97:98-99. Apr.15,1951. 16 C72
- 79335 BECCARD, E. Trocknungsergebnisse bei besonders langer trocknungszeit bei wechselnden temperaturen und bedingungen bei der wasserbestimmung in getreideprodukten. (Sum.) Mühle 88:453. July 12,1951. 298.8 M89
- 79336 BECKER, W. R. Maisdroogschuren [Corn drying houses]. Netherlands. Dir. van de Landb. Vlugsch. v. de Landb. 8,6 p. Mar.1951. 12 N38Vs
- 79337 BERCK, B., and SMALLMAN, B. N. Loss of DDT residues in box cars carrying flour. Cereal Chem. 28:317-324. July 1951. 59.8 C33
- 79338 BERLINER, E. Über die zusammenhänge zwischen mahl- und backtechnischer vorbereitung des weizens. Mühle 88:45-46. Jan.25,1951. 298.8 M89
- 79339 BLACKLEY, S. R. Dry and store on your own farm. Farmer & Stock-Breeder 65(3221):37,39. July 17, 1951. 10 F228
- Grain drying and storage.
- 79340 BLOCH, F. W. Standortfragen der amerikanischen und europäischen müllerei. Müllerei 4(29):62-66. July 21,1951. 298.8 M91
- 79341 BLUME, G. Meine "luftmühle." Müllerei 4: 236-237. Apr.7,1951. 298.8 M91
- 79342 BOSS, S. J. Future feed prospects favorable; larger acreages of grains and improved situation on winter wheat reported. Coop. Poultryman 16(8):7. Aug. 1951. 47.8 C782
- 79343 BREW, T. A. Corn milling in the Isle of Man. Milling 116:550,552,668,714. (Cont.) June 2,16,30,1951. 298.8 M622
- 79344 BRÜCKNER, G. Kornzusammensetzung und -vermahlung. Müllerei 4(29):26-28. July 21,1951. 298.8 M91
- Also in Mühle 88:459-460. July 12,1951. 298.8 M89
- 79345 CANADA. BOARD OF GRAIN COMMISSIONERS. Twenty-fourth annual report, 1950. Ottawa,1950. 92 p. 59.9 C161R
- 79346 CANTONI, G. Problems of the rice economy. (In Italian.) B. dell'Agr. 84(17):1. Sept.8,1950. 16 B87 Italy.
- 79347 CHATER, S. W. The necessity for mass handling. (In Afrikaans.) Primary Prod. [Cape Town] 27(13): 31. June 29,1951. 281.8 P93
- South African grain.
- 79348 LE CONGRÈS du blé dur. Inform. Marocaine 538:14. May 5,1951. 281.8 In3
- Held by the Commission des Blés Durs of the Office National Interprofessionnel des Céréales at Tunis.
- 79349 CORMAN, J., and TSUCHIYA, H. M. Utilization of fungal amylase for alcohol production. Cereal Chem. 28:280-288. Ref. July 1951. 59.8 C33
- 79350 CORN INDUSTRIES RESEARCH FOUNDATION, NEW YORK. Essentiality of corn in the manufacture of materials for the armed forces. New York,1951. 11 p. 309 C81E
- 79351 CUENCA, L. Del trigo al pan. Tolva 9:205-206. Feb.1951. 59.8 T58T
- Flour quality.
- 79352 DECKEN-LAACK, H. VON DER. Mehr brot? Entwicklung der konsumgewohnheiten unter besonderer berücksichtigung des mahl- und brotverbrauchs. Müllerei 4(29):54-56. July 21,1951. 298.8 M91
- 79353 DELEAU, J. 3.800 frs. le quintal de blé. Bas-Rhin Agr. 6:237-238. May 26,1951. 14 B29
- Also in Terre d'Oc 33:209-210. June 1951. 14 Ar5
- 79354 DEVIN, P. T. Fireproof steel grain storage. Grain & Feed J. Consolidated 107(3):16. Aug.8,1951. 298.8 G762
- 79355 DIETZ, R. Die feuchtigkeit von getreide und mehl als wesentlicher faktor des vermahlungsprozesses. I. Wiss. Müllerei 4:25-29. In Müllerei 4(15). Apr.14, 1951. 298.8 M91
- 79356 DREWS, E. Methoden der bromat- und persulfatbestimmung. (Sum.) Mühle 88:452. July 12,1951. 298.8 M89
- In flour.
- 79357 DREWS, B., and KREIPE, H. Erfahrungen bei der verarbeitung von französischem roggen. Branntweinwirtschaft 5:209-211. June 25,1951. 390.8 B7322
- 79358 DREWS, E. Der einfluss der kornbehandlung mit kontaktinsektiziden auf die backfähigkeit von roggen- und weizenmehlen. Mühle 88:457-459. July 12,1951. 298.8 M89
- Also in Müllerei 4(29):23-25. July 21,1951. 298.8 M91
- 79359 DÜTTMANN, H. Über feuchtigkeitsbestimmungen im getreide und in mahlprodukten. (Sum.) Mühle 88:453. July 12,1951. 298.8 M89
- 79360 ENGLISH, E. Problems of durum milling. Macaroni J. 33(3):36. July 1951. 298.8 N46
- 79361 ERCOLI, E. This year's grain production; considerations on the success of cultivation in the Province of Ancona. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(50):5-6. July 12,1951. 281.8 Ag3
- 79362 EVANS, E. B. The qualifications of country grain dealers. Grain & Feed J. Consolidated 107:17-18. July 11,1951. 298.8 G762
- 79363 FLECHSIG, J. Gesichtspunkte bei der getreidelagerung in mühlen. Mühle 88:255-256. Apr.19,1951. 298.8 M89
- 79364 FLECHSIG, J. Über die möglichkeiten, drei verschiedene mehltypen von einer mahlpost herzustellen. Mühle 88:415-416. June 28,1951. 298.8 M89
- Also in Müllerei 4(29):36. July 21,1951. 298.8 M91
- 79365 FLORIG, G. Hafermühlen in hinterland 1950. Mühle 88:121-122. Feb.22,1951. 298.8 M89
- 79366 FRISCH, A. Zukunftsmöglichkeiten der französischen getreidewirtschaft. Wirtschaftsdienst 31(5):V40-V44. May 1951. 280.8 W74
- 79367 FRITSCH, E. Die bedeutung des qualitativen kulminationspunktes bei der analytischen bewertung des getreides u. seiner mahlprodukte. Die Wissenschaftliche Müllerei 1951:33-38. In Müllerei 4(20). May 19,1951. 298.8 M91
- 79368 FRITSCH, E., and CLEVE, H. Die getreidevorbereitung nach dem randzonenverfahren. Müllerei 4(29): 11-12. July 21,1951. 298.8 M91
- 79369 FRITSCH, E. Das randzonenverfahren. Mühle 88:451-452. July 12,1951. 298.8 M89
- 79370 GALINDO, A. El Servicio Nacional del Trigo. Cult. Mod. 34:124-125. Apr.1951. 15 C89
- Spain.
- 79371 GALLIE, A. K. The milling of wheat to varying extractions. Milling 117:12-13,62,64,66,84,88. (Cont.) July 7,21-28,1951. 298.8 M622
- 79372 GAY, T. Wheat "making the grade." 2. Baker's Natl. Assoc. Rev. 68:1082. July 20,1951. 389.8 N214
- F. A. Q. standard in Australia.
- 79373 GEHLE, H. Die probleme der getreidevorbereitung. Mühle 88:447-449. July 12,1951. 298.8 M89
- Also in Müllerei 4(29):3-8. July 21,1951. 298.8 M91
- 79374 GERHOLD, W. Der trieur. I-II. Müllerei 4: 233-235,251-253. Apr.7-14,1951. 298.8 M91
- 79375 GERMANY. FEDERAL REPUBLIC, 1949-. STATISTISCHES BUNDESAMT. Die strohernte 1950. Germany. Statis. Bundesamt. Statis. Ber. 3(4/22A),7 p. Jan.13,1951. 265 V58
- Statistics.
- 79376 GONÇALVES, P. A. Experiments in keeping "brown" rice. (In Portuguese.) Lav. Arroz. 5(53):33-34. May 1951. 59.8 L39
- 79377 GONÇALVES, P. A. The price of rice and yields of whole-grain and broken types. (In Portuguese.) Lav. Arroz. 5(50):39-40. Feb.1951. 59.8 L39
- United States.
- 79378 GRAY, H. E., and SMALLMAN, B. N. Protection of farm-stored grain in western Canada. Canada. Sci. Serv. Div. Ent. Processed P. 118,3 p. Oct.1950. 423.92 C16P
- Preparing the granary; examining the grain; controlling insects and heating.
- 79379 GREW, R. Indian production of foodgrains reduced by floods and drought. Foreign Trade 10:144-147. Aug.4,1951. 286.8 C162
- 79380 HACHMANN, W. Die johannisbrotmüllerei. Mühle 88:240. Apr.12,1951. 298.8 M89
- 79381 HACHMANN, W. Das mischen von mehlen nach dem aschegehalt. Mühle 88:407-408. June 21,1951. 298.8 M89
- 79382 HACHMANN, W. Moderne hafermüllerei. Mühle 88:126,141-142,158. (Cont.) Feb.22,Mar.1-8,1951. 298.8 M89
- 79383 HAGBERG, S. Kleber wurde aus roggenmehl ausgewaschen. Getreide u. Mehl 1:6-7. Jan.1951. 298.8 G332

- 79384 HALL, T. E. Boost grain storage. Grain Prod. News 4(2):25-26. July 1951. 286.81 G764
- 79385 HAMPEL, G. Der rohstoff hafer. Mühle 88: 122-124. Feb.22,1951. 298.8 M89
Varieties and composition.
- 79386 HAMPEL, G. Über die bestimmung des schalenfarbstoffwertes. Getreide u. Mehl 1:42-44,50. (Concl.) Ref. May-June 1951. 298.8 G332
- 79387 HAMPEL, G. Über die entstehung beschädigter stärkekörner während des mahlprozesses. Mühle 88:460-461. July 12,1951. 298.8 M89
Also in Müllerei 4(29):29-30. July 21,1951. 298.8 M91
- 79388 HAMPEL, G. Über die rolle der amylose bei totgemahlenen mehlen. (Sum.) Mühle 88:452. July 12, 1951. 298.8 M89
- 79389 HAMRING, E. Beiträge zur untersuchung von hafernährmitteln. Müllerei 4(29):69,71. July 21,1951. 298.8 M91
- 79390 HAYDUCK. Vierhundert jahre deutsche kornbrennerei. Branntweinwirtschaft 5:162-163. May 30,1951. 390.8 B7322
- 79391 HEUSER, W. Einige grundlegende betrachtungen zur ertragsschätzung von getreidefeldbeständen. Saatgut-Wirt. 3:31-33. Feb.1951. 61.8 Sa1 Germany.
- 79392 HIDDEMA, A. Müllerei in Italien. Mühle 88: 268. Apr.26,1951. 298.8 M89
- 79393 HINTZER, H. M. R. A new theory on the working of flour improvers. (In Dutch.) Voeding 12:228-230. June 15,1951. 389.8 V85
- 79394 HOESER, K. Die backfähigkeit im rahmen der weizenbeurteilung. Deut. Müller-Ztg. 49:332-333,357. (Cont.) June 27,July 11,1951. 298.8 Su2
- 79395 HOPF, L. Feuchtigkeitsgarantie bei lagergetreide? Müllerei 4:474. July 14,1951. 298.8 M91
- 79396 HUZ. Die besatz- und schmutzentfernung als wichtigste und hygienische aufgabe der getreidereinigung. Mühle 88:335-337. (Concl.) May 24,1951. 298.8 M89
- 79397 HUZ. Für und wider die mehltypisierung nach asche. Mühle 88:222-224. Apr.5,1951. 298.8 M89
- 79398 HUZ. Über getreidebesatz und die notwendigkeit einer festlegung der besatzanalyse. Mühle 88:251-252. Apr.19,1951. 298.8 M89
- 79399 JAUMES, L. La situation céréalière. Bouches du Rhône Agr. 23(1052):1-2. June 1,1951. 14 B662
- 79400 JÖNCK, J. Untersuchungen über den einfluss der mehlebleichung und mehilveredlung auf die entwicklung des Bacillus mesentericus in weizengebäcken. Mühle 88: 365-367. June 7,1951. 298.8 M89
- 79401 KÄSTNER, W. Neue ausmahlungs- und typenvorschriften. Mühle 88:276. Apr.26,1951. 298.8 M89
- 79402 KÄSTNER, W. Qualitätssorgen bei der neuen ernte. Mühle 88:433-434. July 5,1951. 298.8 M89
Wheat.
- 79403 KÄSTNER, W. Wie kann der müller die neuen ausmahlungsvorschriften einhalten? Mühle 88:367-368. June 7,1951. 298.8 M89
- 79404 KING, F. A. The mill at Milton in Essex. Baker's Natl. Assoc. Rev. 68:1043-1044. July 13,1951. 389.8 N214
History.
- 79405 KOPLIN, F. Die betriebsbuchhaltung im mühlenbetriebe. Müllerei 4:243-244. Apr.7,1951. 298.8 M91
- 79406 KOPMEYER, M. R. El arroz—uno de los principales alimentos del mundo. Hacienda 46(8):40-42,64. Aug.1951. 6 H11
Various aspects of the industry.
- 79407 KORTENHORST, A. T. La maltage de l'orge Balder avec une durée de germination raccourcie. (In Dutch.) Natl. Comt. v. Brouwergerst. Meded. 1951:460-463. 390.9 N21M
French summary.
- 79408 KORTENHORST, A. T. The malting of Herta barley with various moisture contents. (In Dutch.) Natl. Comt. v. Brouwergerst. Meded. 1951:464-465. 390.9 N21M
- 79409 KORTENHORST, A. T. La micro-maltérie du Nacabrouw à Rotterdam. (In Dutch.) Natl. Comt. v. Brouwergerst. Meded. 1951:453-459. 390.9 N21M
French summary.
- 79410 KRIEGHOFF, P. Möglichkeit der qualitätsbeeinträchtigung von mehlen durch jute. Müllerei 4:254-255. Apr.14,1951. 298.8 M91
Includes jute fiber and its processing and use in bags.
- 79411 KÜHN, C. Praktische ergebnisse der getreidechemikertagung für die müllerei. Mühle 88:452-453. July 12,1951. 298.8 M89
- 79412 KÜHNE, O. Der "aqua-part" und die trocken-schränkmethode. Mühle 88:352-353. May 31,1951. 298.8 M89
Moisture determination equipment for wheat.
- 79413 KUMMER, H. Bezeichnung und wertbeurteilung der kleien, bollmehle, futtermehle und nachmehle von weizen und roggen. Bad. Landwirt. Wchnbl. 118:408-409. July 7,1951. 18 B142
- 79414 LAMPE, B. Untersuchungen von rohstoffen aus kornbrennereien. Branntweinwirtschaft 5:164-166. May 30,1951. 390.8 B7322
- 79415 LARKIN, R. A., and others. Studies on the relation of bran thickness to millability of some Pacific Northwest wheats. Cereal Chem. 28:247-258. July 1951. 59.8 C33
M. M. MacMasters, M. J. Wolf, and C. E. Rist, joint authors.
- 79416 LAUTE. Und nochmals: "kampf um den sack." Mühle 88:376-377. June 7,1951. 298.8 M89
Flour.
- 79417 LAUTE. Zum dritten male: "kampf um den sack." Mühle 88:439-440. July 5,1951. 298.8 M89
Flour containers in Germany.
- 79418 LENERGER, E. Die buchführung des müllers. II-III. Müllerei 4:276-277,292-293. Apr.21-28,1951. 298.8 M91
- 79419 LENERGER, E. Typen- und ausbeuteberechnung nach den neuen ausmahlbestimmungen. Müllerei 4:428-429. June 23,1951. 298.8 M91
- 79420 LINDEMANN. Über die stärkebestimmung in abfällen der müllerei und rückständen der stärkefabrikation. (Sum.) Mühle 88:452. July 12,1951. 298.8 M89
- 79421 LINDEMANN, E. Milocorn—seine herkunft, eigenschaften und verwendung. Getreide u. Mehl 1:12-14. Feb.1951. 298.8 G332
- 79422 MCELROY, L. W., and RENNER, R. Amino acid deficiencies of grain proteins. Canad. Soc. Anim. Prod. West. Sect. Rpt. Proc. 19:32-35. 1950. 49.9 C166
- 79423 MCMILLAN, P. Results announced on survey of western N. Y. wheat production. G. L. F. Week. Serv. Sched. 16(6):1,3. Aug.6,1951. 280.28 G113W
- 79424 MECHAM, D. K., and BROTHER, G. H. Wheat proteins, known and unknown. U. S. D. A. Ybk. 1950/51: 621-627. 1 Ag84Y
- 79425 MENDER, A. Phytin und phytase im hafer. Getreide u. Mehl 1:9-12. Ref. Feb.1951. 298.8 G332
- 79426 MENDER, A. Über lipoxydasen. (Sum.) Mühle 88:452. July 12,1951. 298.8 M89
- 79427 MITCHELL, C. W. Farmers find new way to save more straw. Breeder's Gaz. 116(8):15. Aug.1951. 49 B74
- 79428 MOLINI D'ITALIA. Crisis in the Italian milling industry. (In Italian.) Molini d'Italia 2:252-253. June 1951. 298.8 M73
English summary.
- 79429 MOLLER BORDEU, F. Expone la nueva política triguera del Gobierno. Agrario 15(422):4-5. Mar.1951. 9.3 Ag85
Chile.
- 79430 MONTE, G. DAL. Grain and bread in the Gospels. (In Italian.) Molini d'Italia 2:260-262. June 1951. 298.8 M73
- 79431 MÜLLEREITAGUNG Detmold 1951, tagungsbericht. 1. Mühle 88:447-462. July 12,1951. 298.8 M89
- 79432 NORDMANN. Ausbeute-, asche- und feuchtigkeitskontrollen bei den passagenmehlen. Mühle 88:186-187. Mar.22,1951. 298.8 M89
- 79433 NOVELLI, N. Rice culture at the crossroads. (In Italian.) Mondo Agr. 2(17):3. Apr.29,1951. 16 M74
Italy.
- 79434 ÖLLINGER, H. Zur frage des versagens des roggens in gewissen gebieten. Kärntner Bauer 101:274. May 15,1951. 19 K14
Quality.
- 79435 PATRICK, L. Grain exchange is important to efficient grain marketing. Hoosier Farmer 36(8):10. Aug.1951. 280.82 H76
- 79436 PELSHENKE, P. F., and SCHÄFER, W. Das auslandsgetreide 1950. Mühle 88:219-221. Apr.5,1951. 298.8 M89
Analysis of wheat.
- 79437 PELSHENKE, P. F., and others. Jahresbericht 1950/51 der Bundesanstalt für Getreideverarbeitung, 44. bericht. Getreide u. Mehl 1:25. Apr.1951. 298.8 G332
A. Rotsch, A. Schulz, H. Rüggeberg, E. Drews, G. Hampel, A. Menger, A. Stoy, H. Dörner, E. Lindemann, and W. Schäfer, joint authors.

- 79438 PELSHENKE, P. F. Neuere ergebnisse und erfahrungen über den aufbau und die zusammensetzung des getreidekornes. Getreide u. Mehl 1:45-50. Ref. June 1951. 298.8 G332
- 79439 PELSHENKE, P. F. Über den optimalen wassergehalt des brotgetreides vor dem ersten schrot. Getreide u. Mehl 1:1-2. Jan. 1951. 298.8 G332
- 79440 PEQUIGNOT, R. La conservation du grain à la ferme. Motorisation Agr. 6:325,327,329. June 1951. 58.8 M85
- 79441 PEREZ LOREN, A. Trigos y harinas antaño y hogaño. Tolva 9:289-291. Mar. 1951. 59.8 T58T
- 79442 POTTS, R. B. Southwest Cereal Chemists crop report, Wichita, Kansas, July 7, 1951. Bakers' Helper 96(1201):57. Aug. 4, 1951. 389.8 B17 Wheat.
- 79443 RICO SANZ, J. El desequilibrio entre la producción agrícola de arroz y la capacidad de moliuración de la industria arrocera. Rev. Sind. de Estadís. 6(21):3-7. First Q. 1951. 263 Es8B Spain.
- 79444 ROHRLICH, and BENISCHKE, H. Über die bestimmung der lipase in getreideprodukten. (Sum.) Mühle 88:452. July 12, 1951. 298.8 M89
- 79445 RUDOLPH, H. Malzvorrate als begünstigte lebensmittel im rahmen der soforthilfsonderabgabe. Brauwelt 20:394. May 17, 1951. 390.8 B732 Germany.
- 79446 SARTORI, G. Topping and removing of leaves from corn. (In Italian.) Seme 2:171. Aug. 1950. 16 Se5
- 79447 SATHE, V., VENKITASUBRAHMANIAN, T. A., and DE, S. S. Effect of milling on the thiamine and phytic acid content of rice. Cur. Sci. 20:153. June 1951. 475 Sci23
- 79448 SCHÄFER, W. Ausbeute-berechnungen mit hilfe von aschewerten. Mülerei 4(29):35. July 21, 1951. 298.8 M91
- 79449 SCHÄFER, W. Mehlausbeute-tafeln. Mühle 88:317-318. May 17, 1951. 298.8 M89
- 79450 SCHÄFER, W. Über den besatz von Syrien-weizen. Mühle 88:303. May 10, 1951. 298.8 M89
- 79451 SCHÄFER, W. Untersuchungen über die reinigungsleistung von mülereimaschinen. Mühle 88:453-456. July 12, 1951. 298.8 M89
Also in Mülerei 4(29):16-19. July 21, 1951. 298.8 M91
- 79452 SCHÄFER, W. Die wasseraufnahme des getreidekornes. Mühle 88:46-49. Ref. Jan. 25, 1951. 298.8 M89
- 79453 SCHAFFRANEK, F. Der einbau von massiven silozellen für getreide und mehl in vorhandene gebäude. Mülerei 4:281-284. Apr. 28, 1951. 298.8 M91
- 79454 SCHEUCH, F. Bewertung und prüfung des mehles. Mühle 88:1-3, 91-92, 160-161, 208, 239-240, 259. (Cont.) Jan. 4, Feb. 8, Mar. 8, 29, Apr. 12-19, 1951. 298.8 M89
- 79455 SCHMID, C. Entwicklungsstand der pneumatik in der mülerei. Mülerei 4(29):41-49. Ref. July 21, 1951. 298.8 M91
- 79456 SCHMORL, K. Reife- und keimungsvorgänge am getreide. Getreide u. Mehl 1:23-24. Mar. 1951. 298.8 G332
- 79457 SCHMORL, K. Stickstofftrichlorid oder chlordioxyd? Wiss. Mülerei 4:31-32. In Mülerei 4(15). Apr. 14, 1951. 298.8 M91
In milling.
- 79458 SCHULTZ, R. Die herstellung von backschrot. Mülerei 4:327. May 19, 1951. 298.8 M91
- 79459 SCHURZ, F. Erfahrungen aus der kasten-mälzerei. Verssta. f. das Gärungsgewerbe. Mitt. 5:37-38. (Cont.) Mar./Apr. 1951. 390.08 V67
- 79460 SCOTT, W. M., ed. A hundred years a-milling; commemorating an Ulster mill centenary. Belfast, Carter, 1951. 266 p. 298 Sco3
Includes oatmeal cooker, past and present, by F. Irwin, p. 223-246.
- 79461 SEEBORG, E. F., SHOUP, N. H., and BAR-MORE, M. A. Modification of the Buhler mill for micro milling. Cereal Chem. 28:299-308. Ref. July 1951. 59.8 C33
- 79462 SEITZ, E. O. Ultraviolette strahlen in der mühle. Mülerei 4:410-411. June 16, 1951. 298.8 M91
- 79463 SICKINGEN, T. Getreidekorn und feuchtigkeit. Mühle 88:59. Jan. 25, 1951. 298.8 M89
- 79464 SILVEIRA, G. G. DA. Culture of wheat in Minas Gerais. (In Portuguese.) Lavoura 55:21-22. Mar./Apr. 1951. 9.2 L39
The industry.
- 79465 SINDICATO NACIONAL DE CEREALES. Estudio-ponencia que para la normalización de la política triguera española, ha elaborado el Sindicato. Tolva 9:235-249. Mar. 1951. 59.8 T58T
- 79466 SIRVENT, H. Pour la revalorisation normale du prix du blé et des céréales secondaires. Bouches du Rhône Agr. 23(1055):1. July 15, 1951. 14 B662
- 79467 SOENEN, M. Der einfluss der getreide- vorbereitung auf den feinheitegrad der mehle. Mühle 88:450-451. July 12, 1951. 298.8 M89
Also in Mülerei 4(29):9-10. July 21, 1951. 298.8 M91
- 79468 STÖCKMANN, K. Die bedeutung der "spezifischen wärme" des getreides. Mühle 88:57-58. Jan. 25, 1951. 298.8 M89
- 79469 SULLIVAN, B., and PAYNE, W. E. The amino acids of the water extract of flour. Cereal Chem. 28:340-342. July 1951. 59.8 C33
- 79470 TAGUNGSHEFT; mülerei-tagung; der Arbeitsgemeinschaft Getreideforschung e.V. Detmold vom 12. bis 14. juni 1951 im vortragshaus der Arbeitsgemeinschaft Getreideforschung e.V. in Detmold, am Schützenberg. Mülerei 4(29), 71 p. July 21, 1951. 298.8 M91
- 79471 TALMEY, P. Bulk handling of flour. Food Technol. 5:275-278. July 1951. 389.8 F7398
- 79472 TEIXEIRA, A. C. J. Angolan maize. (In Portuguese.) Agron. Angolana 4:3-14. Ref. 1950. 24 Ag83 English summary.
- 79473 THEIMER, O. F. Über die wirtschaftlichkeit von zellensilos. Mühle 88:306. May 10, 1951. 298.8 M89 Grain storage.
- 79474 TOEPFER, A. Die deutsche getreidewirtschaft; freier wettbewerb für import- und grosshandel. Ernährungsdienst 6(73):5-6. June 30, 1951. 389.8 Er62
- 79475 TSCHORSCH, P. H. Technische verbesserungen in kleinemühlen. Mülerei 4:463. July 7, 1951. 298.8 M91
- 79476 ULRICH, H. Müllerische überlegungen zu den neuen ausmahlungsvorschriften. Mülerei 4:249-250. Apr. 14, 1951. 298.8 M91
- 79477 ULRICH, H. Reinigungsverlust und reinigungsabgang nach der 2. durchführungsverordnung zum getreidegesetz. Mülerei 4:412-413. June 16, 1951. 298.8 M91
- 79478 U. S. BUR. OF AGRICULTURAL ECONOMICS. Stocks of grains and oilseeds in off-farm positions, by States, by H. R. Walker, D. D. Pittman, J. C. Scholl, and R. F. Gurtz. Washington, 1951. 40 p. 1.941 H2G763
- 79479 U. S. CONGRESS. HOUSE. COMMITTEE ON MERCHANT MARINE AND FISHERIES. Transportation of grain between United States ports on the Great Lakes during 1951 by vessels of Canadian registry. Hearing, 82d Cong., 1st sess. on H. R., 3436, May 2 and 16, 1951. Washington, 1951. 45 p.
- 79480 U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. The chemical composition of rice; a literature review, by E. R. McCall, C. L. Hoffpauir, and D. B. Skau. New Orleans, 1951? 48 p. 1.9321 S2C42
- 79481 VARELA MARTÍNEZ, R. La importancia económica del cultivo del trigo en Colombia. Agr. Trop. 6(11):18-21. Nov. 1950. 26 Ag8
- 79482 WARD, A. B., and SHELLENBERGER, J. A. Grinding with controlled roll pressure. Nowest. Miller (Milling Prod. Sect.) 246(7):1a, 3a-5a. Aug. 14, 1951. 298.8 N81
- 79483 WATKINS, H. B. The buying and storing of home-grown grain. Milling 127:32-34. July 14, 1951. 298.8 M622
Includes discussion.
- 79484 WEISS, H. Versuche zur beeinflussung der kochzeit von gerstengraupen. Mülerei 4(29):57-60. July 21, 1951. 298.8 M91
- 79485 WILL, F. Die wäscherei und vorbereitung in der klein- und mittelmühle. Deut. Müller-Ztg. 49:334-335. (Cont.) June 27, 1951. 298.8 Su2

HONEY AND BEESWAX

- 79486 AMERICAN HONEY INSTITUTE. Keep that sting! Amer. Bee J. 91:342-343. Aug. 1951. 424.8 Am3
Selling honey.
- 79487 ARMBRUSTER, L. Unser wachshandel im mittelalter (Konstanz 1423-1434). Arch. f. Bienenk. 27:94-97. 1950. 424.8 Ar2
- 79488 BRICE, B. A., and others. Permanent glass color standards for extracted honey. U. S. Eur. Agr. & Indus. Chem. AIC-307, 5 p. May 1951. 1.932 A2Ag82
A. Turner, Jr., J. W. White, Jr., F. L. Southerland, L. S. Fenn, and E. P. Bostwick, joint authors.
- Also in Canner 112(22):18-20. June 2, 1951. 286.83 C16; Gleanings Bee Cult. 79:410-412. July 1951. 424.8 G47
- 79489 DENNINGER, K. Behandlung von magengeschwüren mit bienenhonig. Sudwestdeut. Imker 3:132-133. May 1951. 424.8 Su25

79490 EAVES, W. D. Ancient mead comes back. Amer. Bee J. 91:338-339. Aug.1951. 424.8 Am3

79491 EDWARDS, S. W. We don't use enough honey ourselves. Gleanings Bee Cult. 79:460-461. Aug.1951. 424.8 G47

79492 GOODACRE, W. A. The honey marketing situation. Agr. Gaz. N. S. Wales 62:203-205. Apr.1951. 23 N472

79493 GRIEBL, H. Krauthonige. Osterr. Imker 1: 96-97. May 1951. 424.8 Os7

79494 HANSSON, A. Quality of rape honey. (In Swedish.) Nord. Bitidskr. 3:34-45. 1951. 424.8 N752

79495 HARPER, K. The fair price. Scot. Beekeeper 26:177. Sept.1950. 424.8 Sc8

79496 HUETE, C. R. Algunos datos interesantes acerca de la utilización de la miel de abejas. Agr. Austral 19:207-208. May 1951. 9.3 Ag842

79497 IRELAND. DEPT. OF AGRICULTURE. Marketing honey. Ireland. Dept. Agr. L. 52,11 p. Apr.1951. 10.5 Ir42

79498 MENTZER, J. Erzeugung von wachs und wachspreis. Sudwestdeut. Imker 3:163. June 1951. 424.8 Su25

79499 SCHMIDT, F. A. Bieneneigene heilstoffe im honig. Deut. Kleintier-Züchter 6(2):6. Jan.20,1951. 49 Su22

79500 SKEIMO, E. Honey containers of veneer and hard fiberboard. (In Norwegian.) Nord. Bitidskr. 3:59-61. 1951. 424.8 N752

79501 STANLEY, P. W. Shows; and with what purpose? Brit. Bee J. 79:44-45. Jan.20,1951. 424.8 B77 Honey.

79502 WILLIS, P. E. Moisture in honey. Irish Bee-keeper 5:83-84. Apr.1951. 424.8 Ir42

LIVESTOCK AND LIVESTOCK PRODUCTS

79503 ALTHUIS, J. VAN. Frisian cattle industry in 1950. (In Dutch.) Vee- en Vleeshandel 36:231-232. (Cont.) July 10,1951. 286.85 V51

79504 AMERICAN LEATHER CHEMISTS ASSOCIATION. Directory, 1950. Cincinnati,1951. 94 p. 225 Am374

79505 BONA, T. Obstacles to livestock progress in our region. (In Italian.) Seme 2:172-174. Aug.1950. 16 Se5

Livestock industry in Italy.

79506 BONADONNA, T. Is it right to produce more meat of better quality in Italy? (In Italian.) Mondo Agr. 2(24):5. June 17,1951. 16 M74

79507 CARPENTER, F. R. More beef for less money. Com. West 102(4):7-8,20-21. July 28,1951. 286.8 C733 On the beef industry.

79508 CARTER, H. You'd never know the old place. Nation's Business 39(8):27-29. Aug.1951. 286.8 N212 Cattle industry in the South.

79509 CONFERENCE ON RESEARCH, 2-3, CHICAGO, 1950-1951. Proceedings conducted under sponsorship of the Council on Research of the American Meat Institute at the University of Chicago, March 23 and 24, 1950, March 22 and 23, 1951. Chicago,1950-51. 2 v. 50.9 C762

79510 CULLEN, M. O. The National Live Stock and Meat Board and the armed forces. Butchers Advocate 130(8):29-32. Aug.22,1951. 286.85 B97 Meat research.

79511 DELFS-FRITZ. Gefahren für die schafzucht Südafrikas. Übersicht 2(2):10-13. Apr.1951. 18 Ub3

79512 DESCLAUDE, G. Le mouton mérite une plus grande considération! Paysan Franç. 26(401):15. May 1951. 14 P29

Economic outlook and care.

79513 DREW, E. L. Hide and skin supplies; an economic report on the rawstock situation and its outlook. Leather & Shoes 122(8):13,32. Aug.25,1951. 303.8 H53

79514 ENGELHARD, J. Le mouton, élevage d'actualité. Rustica 24:474. May 27,1951. 14 R92 France.

79515 FANNING, J. W. Top money from hogs. Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(8):24,80. Aug.1951. 6 P945G

79516 FRASIER, L. Want easy money? Give a thought to raising sheep. Lackawanna-Wayne Farm & Home News 3(7):5,10. June 1951. 6 L11

79517 GRAMLICH, H. J. The cattleman's problem. (Sum.) Nebr. Cattleman 7(9):51-52. May 1951. 43.8 N27 Beef cattle industry and marketing.

79518 HAM, E. How we feel west of the Missouri River. Corn Belt Livestock Feeder 3(10):4-5. July 1951. 280.38 C81

Beef cattle outlook.

79519 HOLMSTRÖM, S. Increased meat production important farm task. (In Swedish.) Ladugården 1951: 170-174. June 1951. 44.8 L12

79520 LANG, C. D. Canadian and U. S. fur farmers enjoy friendly relations. Black Fox Mag. & Mod. Mink Breeder 35(3):17,22. July 1951. 410 B56

79521 LATTIMER, J. E. The economics of the live-stock industry. Canad. Soc. Anim. Prod. East. Sect. Rpt. Proc. 15:10-19. 1950. 49.9 Ea72

79522 LEATHER INDUSTRIES RESEARCH INSTITUTE, GRAHAMSTOWN, SOUTH AFRICA. Annual report. Jaar-verslag 1-4-50-31-3-51. Grahamstown,1951. 46 p. 303.9 L48A

79523 MENEUGH, H. National Live Stock and Meat Board. Poland China World 38(7):19-20. Aug.1951. 46.8 Sw62

79524 MIHIERE. La crise de l'élevage porcin. Réveil Agr. 60:193-194. July 1,1951. 14 R322 France.

79525 MONTI, M. Vallarsa in the framework of the provincial livestock problem. (In Italian.) Seme 2:121-124. June 1950. 16 Se5

79526 MORAES, L. The need for new courses for the beef industry and trade. (In Portuguese.) Soc. Coop. da Indús. Pecuária do Pará. B. 18(76):6-11. July/Dec.1950. 280.2409 Sol Brazil.

79527 MORITZ, F. L. Pigs, people and prices. Mo. Farmer 43(7):3,14. July 1951. 6 M696

The feeder pig industry in the Ozarks of Missouri.

79528 NATIONAL ASSOCIATION OF RETAIL MEAT AND FOOD DEALERS. Report on the 66th annual convention, August 5-9, 1951, at Cincinnati, Ohio. Butchers Advocate 130(8):16-25,28-32. Aug.22,1951. 286.85 B97

79529 NELSON, A. Our feed and meat needs are going up! Farm Policy Forum 4(7):5-7. July 1951. 281.8 F2274

79530 NORDQUIST, A. V. The United States livestock industry, its distribution and organization. Cattleman 38(3):106,108,110,112,114,116,118,120. Aug.1951. 49 C29 Includes statistics.

79531 PEIRANO, R. P. Porvenir de la cria del conejo en el país. Soc. Rur. de Rosario. Rev. 30(349/350): 27-29. Mar./Apr.1951. 9 Sol4

79532 PETERSEN, J. C. Livestock. Butchers Advocate 130(8):24-25,28-29. Aug.22,1951. 286.85 B97 The industry.

79533 PHILLIPS, R. What has happened to the partnership? I. Farmers Wk. [London] 35(2):55; (3):53,55. July 13-20,1951. 10 F2226 British livestock farming.

79534 RATCLIFF, J. D. Manufacturing, mining and medicine benefit from meat research. Dun's Rev. 59(2280):24,60-62,64-67. Aug.1951. 286.8 D92

79535 RATINEAU, J. Quelques aperçus techniques et économiques sur l'élevage du mouton. Mouton 6:37-38. Apr.1951. 45.8 M86 France.

79536 REEVES, F. Cattle growers and feeders adopt wait-and-see attitude. Amer. Hereford J. 42(8):12-13, 104. Aug.15,1951. 43.8 Am32

79537 RUSSELL, J. S. Iowa producing meat, despite rollback. Iowa Farm & Home Register, June 3,1951:5-H. 6 Io94

79538 SHAFER, W. S. The outlook for meats. Butchers Advocate 130(8):19. Aug.22,1951. 286.85 B97

79539 SNELL, F. Northwest cattle and sheep conditions. Corn Belt Livestock Feeder 3(10):6,8. July 1951. 280.38 C81

79540 TASSI, L. Little known aspects of the meat industry as seen through a congress. (In Italian.) Croce Azzurra 1:338-342. Nov./Dec.1950. 41.8 C87

79541 UNITED STATES LEATHER CO. The leather industry. In Glover, J. G., and Cornell, W. B., eds. The development of American industries, Ed. 3, p.175-199. New York,Prentice-Hall,1951. 277.12 G51

79542 WASSING, H. Future of the poultry industry in the Netherlands. (In Dutch.) (Concl.) Pluimveeteelt 4(14):3. July 6,1951. 47.8 P722

79543 WHALEY, S. A. Are you pelt conscious? Brit Rabbit Council. Brit. Rabbits 1951:66-68. 40.29 B77

79544 WIRTH. Die aussichten in der schweinehaltung Südwestdeutschlands. Bad. Landwirt. Wehnl. 118:261-262. Apr.28,1951. 18 B142

79545 WOODROFFE, D. Encyclopaedia of the leather industry. Leather Trades' Rev. 101:133-135. (Cont.) July 18,1951. 33.8 L48

79546 ZETTL, J. Ein offenes wort zur österreichischen schafzucht. Osterr. Kleintierzüchter 5/6:925;7/8: 942. Mar.-Apr.1951. 49 Os7

Analysis and Composition

- 79547 DAVIS, L. G. Nouvelle methode pour mesurer la perméabilité à la vapeur d'eau du cuir. *Rev. Tech. des Indus. du Cuir* 43:47-48. Mar.15,1951. 303.8 C89
- 79548 FADER, B. Improved boil test for tanning; this leather test can be simplified and made more reliable. *Leather & Shoes* 122(7):8-9,36. Aug.18,1951. 303.8 H53
- 79549 HANKINS, O. G., and others. Physical composition of fryer rabbits of prime, choice and commercial grades. *Calif. Rabbits Mag.* 15:3,13. Aug.1951. 40.28 Sa5
- R. L. Hiner, G. S. Templeton, and C. E. Kellogg, joint authors.
- 79550 HOBIGK, W. Milzbrandfeststellung bei einer bakteriologischen fleischuntersuchung. *Lebensmitteltierarzt* 2:57. Apr.1951. 41.8 L49
- 79551 MANGEL, M. The determination of methemoglobin in beef muscle extracts. I-II. *Mo. Agr. Expt. Sta. Res. B.* 474,24 p. Ref. May 1951. 100 M693
- I. A study of the spectrophotometric method; II, Factors affecting methemoglobin formation in frozen beef.
- 79552 REUSS, U. Tuberkelbakterien im fleisch eutertuberkulöser kühe und ihre bakteriologischen nachweismöglichkeiten. *Lebensmitteltierarzt* 2:67-71. May 1951. 41.8 L49
- 79553 STEINKE, P. K. W., and FOSTER, E. M. Effect of different artificial casings on the microbial changes in refrigerated liver sausage. *Food Res.* 16:289-293. July/Aug.1951. 389.8 F7322
- 79554 ULRICH, J. A., and HALVORSON, H. O. Chemical and microbial studies on sliced canned bacon. In *Mrak, E. M., and Stewart, G. F., eds. Advances in food research, v. 3, p.291-325. Ref. New York, Acad. Press, 1951. 389 M87*
- 79555 U. S. BUR. OF ANIMAL INDUSTRY. Physical composition of fryer rabbits of prime, choice, and commercial grades, by O. G. Hankins, R. L. Hiner, G. S. Templeton, and C. E. Kellogg. Washington, 1951. 7 p. 1.972 A2P562

Consumption and Utilization

- 79556 SIMMONS, W. M. Consumer meat purchases in Syracuse, N. Y., 1948 and comparison with 1942. N. Y. (Cornell) *Agr. Expt. Sta. B.* 869,30 p. June 1951. 100 N48C

Distribution, Marketing, and Transportation

- 79557 AMERICAN NATIONAL FUR BREEDERS ASSOCIATION. MINK MARKETING COMMITTEE. Report. *Amer. Natl. Fur & Mkt. J.* 30:6,18. Aug.1951. 412.629 Am3M
- 79558 BARON, D. Stock yards go modern; auction selling is one innovation at Western Stock Yards [Canada] that is increasing volume of business. Yards are being renovated to facilitate selling, give farmers better service. *Farmer's Mag.* 48(6):9,48. June 1951. 7 C165
- 79559 CASTELLA BERTRAN, E. Compraventa de animales. Spain. *Mn. de Agr. Serv. de Capacitación y Propag. Hojas Divulg.* 20,16 p. Nov.1950. 15 H68
- 79560 DALTON, M. L. Virginia's beef calf sales—bigger and better. *Breeder-Stockman* 13(3):55-56. Aug. 1951. 49 V81
- 79561 LOFFMAN, D. The marketing of mink pelts. *Fur Trade J. Canada* 28(10):14-15,29. June 1951. 410 F965
- 79562 NATIONAL LIVE STOCK AND MEAT BOARD. The 28th annual report, July 1, 1950 to June 30, 1951: Chicago, 1951. 64 p. 50.9 N21
- Public relations.
- 79563 NERVIK, O. Marketing South Dakota feeder cattle. *S. Dak. Agr. Expt. Sta. B.* 409,19 p. May 1951. 100 So. 9
- 79564 REHWINKEL, E. Schluss mit der überproduktion von schweinen! *Landwirtbl. Weser-Ems* 98:444-445. May 24, 1951. 18 L2345
- Marketing.
- 79565 SCHOBY, C. R. Good fences require solid corners; on the service of the American Dairy Association. *Holstein-Friesian World* 48:1688-1689. Aug.4, 1951. 43.8 H742
- 79566 SIOUX CITY STOCK YARDS CO. Sixty-fourth annual report of receipts and shipments for year ended December 31, 1950. Sioux City, 1951. folder. 49.9 S179
- 79567 TRENGOVE, J. Reducing damage to livestock during transport to market. *So. Austral. Dept. Agr. J.* 54:453-454. Apr.1951. 23 So84
- 79568 VEEMARKT Leeuwarden; propaganda-uitgave ter gelegenheid van het 75-jarig bestaan [Leeuwarden cattle market; publicity publication on the occasion of its 75th anniversary]. Leeuwarden, Alta, 1950. 148 p. 280.3409 L51
- 79569 WAYLAND, E. J. The blacker markets; they must be replaced—or die the slow death of dwindling trade. *Farmers Wk. [London]* 35(2):53. July 13, 1951. 10 F2226
- Livestock markets in Great Britain.
- Grading, Inspection, Standardization, and Quality
- 79570 CANADA. MARKETING SERV. CONSUMER SECT. Beef. Ottawa, 1951. 6 p.-folder. 50 C165
- Grading and quality.
- 79571 CAVINA, R. Export type meat. (In Portuguese.) *Seleç. Agr.* 6(60):25-26. Apr.1951. 9.2 Se4
- Brazil.
- 79572 CULLITY, M., and HOPE, K. M. Baconer Carcase Competition, 1950. *J. Agr. West. Austral. (ser.2)* 27:386-394. Dec.1950. 23 W52J
- 79573 EMERSON, C., BRADY, D. E., and TUCKER, L. N. The effect of certain packaging and storage treatments on the acceptability of frozen beef. *Mo. Agr. Expt. Sta. Res. B.* 470,32 p. Ref. Jan.1951. 100 M693
- 79574 FÉVRIER, R. Le concours de porcs abattus 1951. *Porc* 22(3):33-34. Mar.1951. 46.8 P822
- 79575 GAY, C. W. La ley de correlación en la clasificación del ganado. *Agr. Austral* 19:140-142. Apr.1951. 9.3 Ag842
- Chile.
- 79576 GIROUD, P., and others. Réactions allergiques a l'antigène Rickettsia burneti [i.e. Coxiella burnetii] chez le personnel africain assurant le ravitaillement et l'alimentation en viande de l'Oubangui-Chari (A. E. F.). *Soc. de Path. Exot. B.* 44:165-169. 1951. 448.9 So13
- P. Le Gac, H. Brizard, and C. Laurent, joint authors.
- 79577 GT. BRIT. MANUFACTURED MEAT PRODUCTS WORKING PARTY. Report. London, H. M. Stationery Off., 1950. 47 p. 449.1 G793
- Meat sanitation.
- 79578 KELLER, H. Ein gutachten zur Feder'schen zahl. *Lebensmitteltierarzt* 2:84-86. June 1951. 41.8 L49
- Germany.
- 79579 LASLEY, J. F. Carcass quality. *Chester White J.* 41(7):12. July 1951. 46.8 W582
- 79580 MACEDO, J. N. DE. No danger in pork. (In Portuguese.) *Lavoura* 55:29. Mar./Apr.1951. 9.2 L39
- Freedom of Brazilian swine from trichinosis.
- 79581 PELCHAT, V. Classification des porcs et classificateurs. *Terre de Chez Nous* 23(22):23. July 25, 1951. 7 T27
- 79582 PETERS, W. Die bedeutung der pH-messung im fleisch der schlachttierte. *Lebensmitteltierarzt* 2: 71-73. May 1951. 41.8 L49
- Germany.
- 79583 SCHOLTZ, K. Karakul furs; comparative studies of ten main groups. (In Afrikaans.) *Landbouweekblad* 33(1667):16,19. June 27, 1951. 24 L232
- Value of different grades.
- 79584 SENS. Bericht über die tierärztliche lebensmittelüberwachung in den gross-städten Frankfurt/M. u. Wiesbaden nach kriegsende mit besond. berücksichtigung der zeit nach der währungsreform bis ende 1949. *Lebensmitteltierarzt* 2:76-78. (Cont.) May 1951. 41.8 L49
- 79585 WALKER, D. E. The influence of sex upon carcass quality of New Zealand fat lamb. *New Zeal J. Sci. & Technol. A, Agr. Res. Sect.* 32:30-38. Ref. June 1950, pub. Jan. 1951. 514 N48A
- Packing and Packaging
- 79586 HOUDESHELL, D. F. Pre-packaging meat. *Good Packaging* 12(7):84-87,89. July 1951. 280.38 G59
- Prices, Price Control, and Rationing
- 79587 CORN BELT FARM DAILIES. Livestock and meat industry political altar sacrifice. *Agr. Situation [Chicago]* 28(3),4 p. June 27, 1951. 281 Ag87
- Price controls.
- 79588 CORN BELT LIVESTOCK FEEDERS ASSOCIATION. Livestock feeders and the OPS beef rollback. *Corn Belt Livestock Feeder* 3(9):5-11. June 1951. 280.38 C81
- 79589 DU PLESSIS, C. VAN H. Beef prices in S. A. show the least increase in six countries. (In Afrikaans.) *Landbouweekblad* 33(1661):21. May 16, 1951. 24 L232

79590 FRENCH, H. W. Effect of controls seen in decreased feeding. *Amer. Cattle Prod.* 33(3):12,14,16. Aug.1951. 49 P94

Beef cattle from range, not from feedlot.

79591 HOPPE, J. L. Dunderheads with blunderbusses loose on the Potomac. *Butchers Advocate* 130(8):22-24. Aug.22,1951. 286.85 B97

Meat price control.

79592 IOWA LIVE STOCK FEEDERS ASSOCIATION. Brief on subject of beef price control. *Corn Belt Live-stock Feeder* 3(9):14-15. June 1951. 280.38 C81
Des Moines County, Iowa, Live Stock Feeders Ass'n, cooperating.

79593 LANGLET. Die schafe im preisrichterurteil. II. Merino-fleisch-, leine- und karakulschafe. *Neue Mitt. f. die Landwirt.* 6:428-429. June 30,1951. 18 N39

79594 MONTGOMERY, G. A. Buffalo ranchers; meat brings stiff prices, but American bison prove less efficient than cattle. *Capper's Farmer* 62(8):17,38. Aug. 1951. 6 M693

79595 STEPHENS, E. W. You can't halt inflation with price controls. *California* 41(6):17,24. June 1951. 280.8 C12

With reference to the meat industry.

79596 U. S. PRODUCTION AND MARKETING ADMIN. Cured pork cuts and lard: monthly average wholesale price per 100 pounds, New York, 1950. Washington,1951. 1 p. 1.9422 M8C92Ne

Similar reports from other markets.

79597 U. S. PRODUCTION AND MARKETING ADMIN. Dressed meats—pork cuts—weekly average wholesale price per 100 pounds, Chicago, 1950. Washington,1951. 1 p. 1.9422 M8W52Pcw

Similar reports from other markets.

79598 U. S. PRODUCTION AND MARKETING ADMIN. Western dressed fresh meats—lamb and mutton—monthly average wholesale price per 100 pounds, New York, 1950. 1 p. 1.9422 M8W52Ln

Similar reports from other markets.

79599 U. S. PRODUCTION AND MARKETING ADMIN. Western dressed fresh meats—pork cuts—monthly average wholesale price per 100 pounds, New York, 1950. Washington,1951. 1 p. 1.9422 M8W52Pn

Similar reports from other markets.

Processing and Storage

79600 ABSHIRE, H. W. Shrink, trim and aging control with lethal ultra violet energy. *Butchers Advocate* 130(8): 21-22. Aug.22,1951. 286.85 B97

Meat preservation.

79601 AMERICAN MEAT INSTITUTE. The meat-packing industry. In Glover, J. G., and Cornell, W. B., eds. *The development of American industries*, Ed. 3, p.56-78. New York,Prentice-Hall,1951. 277.12 G51

79602 BARD, J. C., and TISCHER, R. G. Objective measurement of changes in beef during heat processing. *Food Technol.* 5:296-300. Ref. July 1951. 389.8 F7398

79603 CARNELL, H. A. Leather. London,Gill,1950. 93 p. 303 C21

Includes tanning.

79604 DUNKER, C. F., and HANKINS, O. G. A survey of meat processing methods used in frozen food locker plants. *Food Technol.* 5:293-295. July 1951. 389.8 F7398

79605 GRANT, B. How to make rawhide. *West. Horseman* 16(8):14-15,39-40. Aug.1951. 42.8 W522

79606 GRAU, R. Verwendung von stärke-derivaten bei der wurstherstellung. (Abs.) *Angew. Chem.* 63:315. July 7,1951. 384 Z33

79607 HANKINS, O. G., and others. How to keep meat from spoiling. U. S. D. A. Ybk. 1950/51:660-669, 1 Ag84Y

R. L. Hiner, W. L. Sulzbacher, and A. M. Gaddis, joint authors.

79608 JENSEN, M. The influence of smoke on bacteria in particular in the production of canned ham. (In Danish.) *Konserves* 9:45-48. Apr.1951. 389.8 K835

English summary.

79609 KILDUFF, T. J. Improvement of leather by treatment with synthetic resins and natural rubber. *W. Va. Acad. Sci. Proc.* 22:223-227. 1950. 500 W52

79610 MEUNIER, L. M., and others. La tannerie; étude, préparation et essai des matières premières; théorie et pratique des différentes méthodes actuelles de tannage; examen des produits fabriqués. Tome 1. Ed. 3. Paris,Gauthier-Villars,1951. 908 p. 303 M57

C. Vaney, P. Chambard, C. Gastellu, A. Jamet, and R. Loos, joint authors.

79611 MILLER, I. C. Superior animal shortening turned out by new 4-stage process. *Food Engin.* 23(8):88-91,204,206. Aug.1951. 389.8 F737

79612 OGILVY, W. S., and AYRES, J. C. Post-mortem changes in stored meats. III. The effect of atmospheres containing carbon dioxide in prolonging the storage life of frankfurters. *Food Technol.* 5:300-303. Ref. July 1951. 389.8 F7398

79613 ORGANISATION FOR EUROPEAN ECONOMIC COOPERATION. CHEMICAL PRODUCTS COMMITTEE. Vegetable tanning extracts, by Isnard. Paris,1951. 68 p. 303 Or3

79614 RAJA, S. Leather & tanning in other countries. *Tanner* 5(11):17-18; (12):14-16. (Cont.) Apr.-May 1951. 303.8 T15

79615 RUSSELL, A., and SHARPHOUSE, J. H. Extraction of grease from sheepskins. *Leather Trades' Rev.* 100:329. May 9,1951. 303.8 L48

79616 SCHÖNBERG, F. Nochmals zur verhütung von fleischvergiftungen und bakteriellen lebensmittelvergiftungen, besonders in der warmen jahreszeit. *Lebensmitteltierarzt* 2:73-74. May 1951. 41.8 L49

79617 SHEPHERD, H. E. "Fixed flow" pace key to fully mechanized 4-way beef boning. *Natl. Provisioner* 125(4):12-14,27-30. July 28,1951. 286.85 N21

79618 SILVEIRA, A. H. DA. Processing of the swine on the farm. (In Portuguese.) *Selec. Agr.* 6(62):55-57. June 1951. 9.2 Se4

79619 THUAU, U. J. Les antiseptiques et les germicides dans l'industrie du cuir. *Rev. Tech. des Indus. du Cuir* 43:83-87. (Cont.) Ref. May 15,1951. 303.8 C89

79620 TOINORD, J. La glace hydrique en charcuterie. *Rev. Prat. du Froid* 6(7):26-28,37-38. Apr.1951. 295.8 R323

79621 U. S. PRODUCTION AND MARKETING ADMIN. List of packers subject to provisions of Packers and Stockyards Act January 1, 1951. Washington,1951. 40 p. 1.9 Ag89L

79622 WESTERN STATES MEAT PACKERS ASSOCIATION. Accounting manual. San Francisco,1950. 51 p. 50 W52

Statistics

79623 CANADA. BUR. OF STATISTICS. AGRICULTURE DIV. LIVE STOCK SECT. Report on fur farms 1949. Ottawa,1951. 21 p. 412.629 C162F

Also in French.
79624 HERZMANSKY, F. Lehren aus der schweine-zählung vom märz 1951. *Kärntner Bauer* 101:276-277. May 15,1951. 19 K14

79625 MEYER, E. Die stellung des pferdes in der landwirtschaft. *Neue Mitt. f. die Landwirt.* 6:445-446. July 7,1951. 18 N39

Gives statistics for number of horses on German farms by size classes.

79626 ROMOLOTTI, A. Horses, oxen, sheep, and men in the world. (In Italian.) *Mondo Agr.* 2(25):4. June 24, 1951. 16 M74

Statistics.

79627 SWITZERLAND. EIDGENÖSSISCHES STATISTISCHES AMT. Nutztierbestand und silowirtschaft im april 1951. *Schweiz. Milchztg.* 77:393-394. July 27,1951. 44.8 Sch92

Statistics.

79628 TOLEDANO, J. En 1950 funcionaron más fábricas de chacinería, pero la producción fué inferior al año 1949. *Rev. Sind. de Estadfs.* 6(21):23-25. First Q. 1951. 263 Es8B

Statistics for Spain.

79629 U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock and poultry inventory (as of January 1, 1951). Fargo,1951. 2 p. 1.941 H8L754

North Dakota statistics.

79630 U. S. BUR. OF AGRICULTURAL ECONOMICS. Cattle on feed, July 1, 1951. Washington,1951. 1 p. 1.9 Ec742Cat

79631 U. S. BUR. OF AGRICULTURAL ECONOMICS. Livestock slaughter and meat production in 1950. Boston, 1951. 2 p. 1.941 S8L7563

Statistics.

OILS AND OILSEEDS

79632 ABREU VELHO, H. DE L. Characteristics of palm oils of definite palm varieties. (In Portuguese.) *Agron. Angolana* 4:131-139. Ref. 1950. 24 Ag83

English summary.

- 79633 ALTSCHUL, A. M. Research on cottonseed storage and processing at the Southern Regional Research Laboratory. *Cotton Gin & Oil Mill Press* 52(16):24,26,28-30,32. Aug.4,1951. 304.8 C822
Similar title in *Cotton Digest* 23(46):6-7,42. Aug.4,1951. 286.82 C822
- 79634 ANTONIOLI, A. G., and TURRIZIANI, R. Extraction of oil by high temperature solvents. (In Italian.) *Ann. di Chim.* 41:255-263. Apr./May 1951. 385 An7
- 79635 ARNOLD, L. K., and BREUKLANDER, L. J. Specific gravities and boiling points of dichloromethane-soybean oil mixtures. *Iowa Acad. Sci. Proc.* 57:157-160. 1950. 500 Io93
- 79636 AYERS, A. L., and SCOTT, C. R. Cottonseed oil extraction with normal hexane and methylpentanes. *Amer. Oil Chem. Soc. J.* 28:348-351. Aug.1951. 307.8 J82
- 79637 BARDI, E. Directions for the selection of geranium oil. (In Italian.) *Riv. Ital. Essenze-Profumi-Plante Officinall-Oili Veg.-Saponi* 33:217-219. May 15, 1951. 308.8 R52
- 79638 BARR, E. S., and HUNGERFORD, L. G. The infrared absorption spectra of some citrus oils. (Abs.) *Phys. Rev. (ser. 2)* 83:486. July 15,1951. 334.8 P56
- 79639 BLAIZOT, P., and CUVIER, P. La valorisation des rafles du palmier à huile. *Oléagineux* 6:479-481. Aug./Sept.1951. 77.8 OL2
- 79640 BRADY, J. Four years experience in solvent extraction. *Oil Mill Gaz.* 56:73-76. July 1951. 307.8 O153
Includes discussion.
- 79641 BRAY, G. T. The cultivation and production of tung oil. *II. World Crops* 3:299-302. Ref. Aug.1951. 281.8 W892
- 79642 BRECKMAN, F. The case against yellow oleo. *Pa. Grange News* 48(3):4-5. June 1951. 6 P38
- 79643 CHILD, F., III. The orange oil problem. *Drug & Cosmetic Indus.* 69:172-173,246-250. Aug.1951. 396.8 D842
- 79644 CHIN, K. C. Influence du milieu sur le développement des moisissures en cas d'essai de la fabrication de la sauce de soja à Paris. *Rev. Internat. des Prod. Colon.* 26:91-92. Apr.1951. 286.8 R326
- 79645 CIFERRI, R., and BERTOSSI, F. Presence of chlorinated hydrocarbon insecticides in olive oil from trees treated for the control of the olive fly [*Dacus oleae*]. (In Italian.) *Not. sulle Mal. delle Plante* 12:56-59. Ref. Sept./Oct.1950. 464.8 N84
English summary.
- 79646 COLE, L. U. Open air storage of cotton seed. *Oil Mill Gaz.* 56:47. July 1951. 307.8 O153
- 79647 CORDING, J., JR., and SHAINES, A. Preplot plant method for crystallizing fats and greases in drums. *Amer. Oil Chem. Soc. J.* 28:344-346. Aug.1951. 307.8 J82
- 79648 COWAN, J. C. Soybeans provide better glue for shotgun shells. *U. S. Agr. Res. Admin. Res. Achvt. Sheet* 140(C),2 p. June 1951. 1.98 R31
- 79649 CRISWELL, J. F. Large crop and short labor supply make harvesting and handling seed cotton more important than ever this year. *Cotton Gin & Oil Mill Press* 52(16):20-22. Aug.4,1951. 304.8 C822
- 79650 CROSSNO, H. F. Progress of the Association on the West Coast. *Oil Mill Gaz.* 56:47-49. July 1951. 307.8 O153
National Oil Mill Superintendents Association.
- 79651 DAVIES, R. K. Buying soybeans for processing. *Soybean Digest* 11(9):16-17,24. July 1951. 60.38 So9
- 79652 DES FONTAINES, Y. L'industrie des huiles essentielles en Tunisie. *B. Econ. et Social de la Tunisie* 52:31-34. May 1951. 280.8 B874
- 79653 DUNNING, J. W. Solvent extraction of cottonseed. *Oil Mill Gaz.* 56:64-69. July 1951. 307.8 O153
Includes discussion.
- 79654 FELIX, L. C. El olivo en Nuevo León. *Agro-nomia [Monterey]* 15:2-3. Mar./Apr.1951. 8 Ag828
- 79655 FESNEAU, M. Contribution to the study of *Cistus ladaniferus* L. (presence of levogyrous pinene). (In Italian.) *Riv. Ital. Essenze-Profumi-Plante Officinall-Oili Veg.-Saponi* 33:227. May 15,1951. 308.8 R52
- 79656 GASTROCK. Recent technological advances in cottonseed processing. *Oil Mill Gaz.* 56:35-37. July 1951. 307.8 O153
- 79657 GIL MONTERO, J. Hacía el aprovechamiento total de los orujos de aceituna. *Ion* 11:262-266. May 1951. 385 Io6
- 79658 GIRALDO H., C. El escándalo de los caca-huetes. *Agr. Trop.* 7(5):33-35. May 15,1951. 26 Ag8
East African Groundnut Scheme.
- 79659 GREAVES, J. H. Tobaccoseed oil. *Paint, Oil & Colour J.* 120:320. Aug.10,1951. 306.8 O152
- 79660 GRUGET, E. A. Processing of oil flax stubble. (In Portuguese.) *Agr. e Pecuaria* 32(330):50-52. Mar. 1951. 9.2 Ag89
- 79661 HAHN, F. L. Dos nuevas reacciones características de aceites. *Ciencia* 11:80. June 1,1951. 475 C48
Sesame and cottonseed oil.
- 79662 HARRELL, G. L. Peanuts: from ancient Peru to Carolina. *Carolina Farmer* 6(7):11,19. July 1951. 6 C223
- 79663 HARRIS, W. D., and HAYWARD, J. W. Solvent extraction of cottonseed oil with isopropanol. *Tex. Engrn. Expt. Sta. B.* 121,72 p., Ref. Sept.1,1950. 290.9 T31
- 79664 HARRIS, W. D. Solvent extraction research. *Oil Mill Gaz.* 56:49-51. July 1951. 307.8 O153
Cottonseed.
- 79665 HENRY, D. Proper methods of sampling and what it means to us. *Oil Mill Gaz.* 56:70-72. July 1951. 307.8 O153
Cottonseed and oil.
- 79666 HIGGINS, B. B. Economic importance of peanuts. In *The peanut; a symposium*, p.3-17. Ref. Washington, Natl. Fert. Assoc., 1951. 77 P313
- 79667 HIRSCHMANN, F. A. F. Estudio de la reacción del aceite de lino con el ácido sulfúrico. *Argentina. Dir. Nac. de Quím. An.* 3:74-80. Ref. 1950. 385 Ar33
- 79668 HOLMES, R. L., MCKINNEY, R. S., and MINOR, J. C. The equilibrium moisture content of tung fruit and its components at different relative humidities. *Amer. Tung Oil Assoc. Proc.* 1950:24-36. 77.9 Am32
- 79669 HULTING, G. A system of clearing the prices of fats. (In Swedish.) *Sweden. Stat. Jordbrämsmd. Jordbrekon. Meddel.* 13:259-266. June 1951. 257.3 J76
English summary, p. 238.
- 79670 HURT, E. F. Artificial drying of sunflower seed. *Power Farmer* 7:96-97. Aug.1951. 58.8 P872
- 79671 JACINI, G., and GASLINI, F. The use of industrial sterol from tall oil in the preparation of dehydroandrosterone. (In Italian.) *Olearia* 5:145-148. Ref. May/June 1951. 307.8 OL2
English summary.
- 79672 JANSSEN, H. J. J. Selectivity problems in fat hardening. (In Dutch.) *Chem. Weekbl.* 47:490-494. July 7,1951. 385 C42
- 79673 KELLER, J. C. Acreage of 1951 peanuts planted alone 2 percent below 1950. *Peanut J. & Nut World* 30(10):25-26. Aug.1951. 77.8 P313
- 79674 LETCHWORTH, M. Plant cleanliness and its values. *Oil Mill Gaz.* 56:76-77. July 1951. 307.8 O153
Oil milling plants.
- 79675 LEVERETT, W. E. Processing peanuts. *Oil Mill Gaz.* 56:85-87,89. July 1951. 307.8 O153
Includes discussion.
- 79676 LLOYD, A. G. Table margarine in Australia. *Rev. Mktg. & Agr. Econ.* 19:24-46. Ref. Mar.1951. 286.8 N47M
A discussion of the industry.
- 79677 LORENSON, A. In the presence of the new oil crop season. (In Swedish.) *Lantmannen* 35:584. July 28,1951. 11 L234
Chiefly on prices.
- 79678 MACGEE, A. E. My views on solvent extraction. *Oil Mill Gaz.* 56:44-46. July 1951. 307.8 O153
- 79679 MCGUIRE, T. A., and EARLE, F. R. Fractionation of linseed phosphatides. *Amer. Oil Chem. Soc. J.* 28:328-331. Ref. Aug.1951. 307.8 J82
- 79680 MCINNES, C. C. Progress in solvent extraction of vegetable oils. *Oil Mill Gaz.* 56:34-35. July 1951. 307.8 O153
- 79681 MACKIEWICZ, P. Oléfaction 1950: observations sur les procédés & matériels utilisés en Espagne, en Italie, en France et en Tunisie. *Tunisie Agr.* 52:91-101. June/July 1951. 24 T832
- 79682 MCKINNEY, R. S., HOLMES, R. L., and MINOR, J. C. An analysis of tung hulls and hulling. (Abs.) *Amer. Tung Oil Assoc. Proc.* 1950:23. 77.9 Am32
- 79683 MCKINNEY, R. S. Research investigations of U. S. tung oil laboratories. *Cotton Gin & Oil Mill Press* 52(12):16,18,36,38,40-42,44. Ref. June 9,1951. 304.8 C822
Extraction, analysis, and utilization.
- 79684 MADDISON, L. Processing of crude oils and fats. *Brit. Baker* 122:891-892,958-960. (To be cont.) June 15,29,1951. 389.8 B772
- 79685 MANFREDINI, E. G. Essences of lemon. (In Italian.) *Riv. Ital. Essenze-Profumi-Plante Officinall-Oili Veg.-Saponi* 33:220-224. Ref. May 15,1951. 308.8 R52

- 79686 MARKLEY, K. S. Oil processing through the ages. U. S. D. A. Ybk. 1950/51:497-503. 1 Ag84Y
- 79687 MATAGRIN, A. Les phytostéroïdes du soya et les synthèses d'hormones et de vitamines à constitution stéroïde. Indus. Agr. et Aliment. 68:121-135. Ref. Mar./Apr. 1951. 383 As7
English summary.
- 79688 MEIER, K., and MEBES, K. Über die Inhibition der Leinölrückung. (Abs.) Angew. Chem. 63:290. June 21, 1951. 384 Z33
- 79689 MELLOH, A. W. Cottonseed processing research. Cotton Gin & Oil Mill Press 52(17):9-10, 12, 14-15, 34. Aug. 18, 1951. 304.8 C822
- 79690 MELVIN, E. H., and HAWLEY, J. E. Spectrochemical determination of iron and copper in commercial oils. Amer. Oil Chem. Soc. J. 28:346-347. Aug. 1951. 307.8 J82
- 79691 MENDER, A. Kleberschädigende eigenschaften von sojaerzeugnissen. Getreide u. Mehl 1:10-23. Ref. Mar. 1951. 298.8 G332
- 79692 MIKUSCH, J. D. VON. Katalytisch konjugiertes leinöl. (Abs.) Angew. Chem. 63:291. June 21, 1951. 384 Z33
- 79693 MILLER, C. E. A comparative study of North Dakota fennel oils. Amer. Pharm. Assoc. J. Sci. Ed. 40:377-378. Aug. 1951. 396.9 Am33J
- 79694 MILNER, H. W. Possibilities in photosynthetic methods for production of oils and proteins. Amer. Oil Chem. Soc. J. 28:363-367. Aug. 1951. 307.8 J82
- 79695 MITRA, S. N. Detection of groundnut oil in mustard oil. Cur. Sci. 20:158-159. June 1951. 475 Sci23
- 79696 NATIONAL OIL MILL SUPERINTENDENTS ASSOCIATION. Proceedings, 57th annual convention, May 30, May 31, June 1, 1951, Hotel Plaza, San Antonio, Texas. Oil Mill Gaz. 56:25-54. July 1951. 307.8 Oi53
- 79697 NEVIN, C. S., ALTHOUSE, P. M., and TRIEBOLD, H. O. Surface tension determinations of some saturated fat acid methyl esters. Amer. Oil Chem. Soc. J. 28:325-327. Ref. Aug. 1951. 307.8 J82
- 79698 OSVALD, H. Oil plant culture and its effect on other plant production and on livestock production. (Excerpts.) (In Swedish.) Svenska Mejeritidn. 43:208-209. May 5, 1951. 44.8 Sv2
Discussion by T. Bergman, p. 210-213.
- 79699 PALENI, A. Twenty years of esterification in oil refining in Italy. (In Italian.) Olearia 5:149-164. Ref. May/June 1951. 307.8 OL2
English summary.
- 79700 PANTKE-BEYERLING, M. Die essenz als geschmacksstoff der ernährungsindustrie. (Abs.) Angew. Chem. 63:316. July 7, 1951. 384 Z33
- 79701 PAREKH, H. V. Modern solvent extraction plant in India. Oils & Oilseeds J. 3(12):10-12. June 1951. 307.8 Oi54
- 79702 PATNAIK, P. K. Oilseeds in India. Oils & Oilseeds J. 3(12):16-17. (Cont.) June 1951. 307.8 Oi54
The industry.
- 79703 PEREIRA, J. R. On the industrial utilization of the cottonseed. (In Portuguese.) Agron. Angolana 4:121-130. 1950. 24 Ag83
English summary.
- 79704 POLLARD, E. F., VIX, H. L. E., and SPADARO, J. J. Separating the fractions of cottonseed. U. S. D. A. Ybk. 1950/51:561-565. 1 Ag84Y
- 79705 POMINSKI, C. H., and others. Storage of gossypol. Amer. Oil Chem. Soc. J. 28:352-353. Aug. 1951. 307.8 J82
L. E. Castillon, P. Von der Haar, L. E. Brown, and H. Damare, joint authors.
- 79706 PRASAD, S. Separation of argemone & mustard seeds by air elutriation. J. Sci. & Indus. Res. 10B:144-147. June 1951. 475 J82
- 79707 RISUENO, A. Extracción de los aceites vegetales con disolventes; aplicación a los aceites de oliva y de orujo. Rev. de Cien. Apl. 5(18,fasc.1):53-64. Jan./Feb. 1951. 475 R324
- 79708 ROUSSEAU, P. M. L'huilerie en Espagne. Tunisie Agr. 52:79-89. May 1951. 24 T832
Olive oil manufacture and olive processing.
- 79709 SACCO, T. Biochemical research on essences of Mentha piperita L. (var. Italo-Mitcham) cultivated in Piedmont. (In Italian.) Riv. Ital. Essenze-Profumi-Piante Officinali-Olii Veg.-Saponi 33:211-216. (Cont.) Ref. May 15, 1951. 308.8 R52
- 79710 SAGRERA BERTRÁN, M. Aceite de oliva! Agricultura [Madrid] 20:286-288. June 1951. 15 Ag84
- 79711 SANTELLI, E. On the treatment of oil expressed from olive pulp with solvents. (In Italian.) Olearia 5:165-167. May/June 1951. 307.8 OL2
English summary.
- 79712 SCHLENKER, E. Anwendbarkeit neuer verfahren der fettindustrie für die herstellung von textilolein. Seifen-Öle-Fette-Wachse 77:306-308. June 20, 1951. 307.8 Se4
- 79713 SCOTT, C. W. Operation problems of a large cottonseed oil mill. Oil Mill Gaz. 56:30-31. July 1951. 307.8 Oi53
- 79714 SINGLETON, W. S., and VICKNAIR, E. J. Dilatometric investigations of fats. V. Volume changes associated with the polymorphism and melting of monostearin. Amer. Oil Chem. Soc. J. 28:342-343. Ref. Aug. 1951. 307.8 J82
- 79715 SMITH, A. K., JOHNSEN, V. L., and DERGES, R. E. Denaturation of soybean protein with alcohols. Cereal Chem. 28:325-333. July 1951. 59.8 C33
- 79716 SMITH, A. S. Correlation of vegetable oil-hexane solution vapor pressures. Amer. Oil Chem. Soc. J. 28:356-359. Aug. 1951. 307.8 J82
- 79717 SMITH, A. S., and FLORENCE, B. Vapor pressure of hexane-soybean oil solutions at high solvent concentrations. Amer. Oil Chem. Soc. J. 28:360-361. Aug. 1951. 307.8 J82
- 79718 SOLTOFT, P., and DOLLEA, F. G. Evaluation of safflowerseed oil in edible fat products. Amer. Oil Chem. Soc. J. 28:335-338. Ref. Aug. 1951. 307.8 J82
- 79719 SORENSON, J. W., JR., and DAVENPORT, M. G. Drying and storing flaxseed in Texas. Agr. Engin. 32:379-382. July 1951. 58.8 Ag83
- 79720 SPADARO, J. J., and others. Pre-pilot plant investigation of a solvent-extraction method for cotton seed based on reduced pressured filtration. Oil Mill Gaz. 56:77-81. Ref. July 1951. 307.8 Oi53
A. V. Graci, H. K. Gardner, J. S. Parker, E. J. Laborde, and E. A. Gastrock, joint authors.
- 79721 SPIES, J. R., and others. The chemistry of allergens. XI. Properties and composition of natural proteoses isolated from oilseeds and nuts by the CS-1A procedure. Amer. Chem. Soc. J. 73:3995-4001. Aug. 1951. 381 Am33J
E. J. Coulson, D. C. Chambers, H. S. Bernton, H. Stevens, and J. H. Shimp, joint authors.
- 79722 SUMMERS, H. J. Queensland's linseed industry makes progress. Com. Austral. 5(6):32-33. Apr. 1951. 286.8 Ex75
- 79723 THURMOND, C. D., HEMPEL, A. R., and MARLING, P. E. Safflower oil in alkyd resins and treated oils. Amer. Oil Chem. Soc. J. 28:354-356. Aug. 1951. 307.8 J82
- 79724 TRI-STATES OIL MILL SUPERINTENDENTS ASSOCIATION. Proceedings, 26th annual convention, June 20, 21, 22, 1951, Hotel Biltmore, Atlanta, Georgia. Oil Mill Gaz. 56:61-93. July 1951. 307.8 Oi53
- 79725 TUROWSKA, J., CELAREK, M., and SMOLEN, M. Recherches sur les essences des espèces du genre Thymus. (Abs.) Akad. Umiej. Wydz. Mat.-Przyrodniczy. Compt. Rend. 1950(4/5):22-23. Apr./May 1950. 512 K85C
- 79726 VELARDE FUERTES, J. Mercado mundial de grasas. Siembra [La Paz] 7(5):31-33. May 1951. 9.1 S11
- 79727 VERVELDE, G. J. A simple and cheap method of estimating the fat content of oil-bearing seed samples from field experiments. (In Dutch.) Landbk. Tijdschr. 63:456-458. July 1951. 105.2 Or3
English summary.
- 79728 VIENNOT, J. Note technologique sur l'épuration des huiles de palme. Cour. Agr. 16(10):3. May 9, 1951. 24 C83
- 79729 WAMBLE, A. C. Recent progress at Cottonseed Products Research Laboratory. Oil Mill Gaz. 56:42-44. July 1951. 307.8 Oi53
- 79730 WESEMAN, H. P. Citrus oils supply outlook. Internatl. Confectioner 61(6):38. June 1951. 389.8 In214
Also in South. Canner & Packer 12(7):12-13, 22. July 10, 1951. 389.8 So82
- 79731 WESEMANN, H. P. Essential oil conditions. Confectioners J. 77(919):43-44. Aug. 1951. 389.8 C76
- 79732 WHITTEN, M. E. The grading of cottonseed. U. S. D. A. Agr. Inform. B. 39, 66 p. Ref. May 1951. 1 Ag84Ab
- 79733 WILBAUX, R., and NEYBERGH, A. G. Essais de corrosion de divers métaux et alliages susceptibles d'être utilisés pour la distillation et l'emballage des huiles essentielles. Belgium. Min. des Colon. B. Agr. du Congo Belge 42:309-318. June 1951. 24 K83

- 79734 WOOD, A. The groundnut affair. London, Bodley Head, 1950. 264 p. 77 W85
- 79735 WORMS, P. L'huile de bois de chine dans l'Union Française. Oléagineux 6:495-498. Aug./Sept. 1951. 77.8 OL2
- Tung oil in the French colonies.
- 79736 XANDRI TAGÜENA, J. M. La extracción de aceites de pepitas de uva. II. Siembra [La Paz] 7(5):16-20. May 1951. 9.1 Si1

POULTRY AND POULTRY PRODUCTS

- 79737 ABBOTT, J. C., and VOORHIES, E. C. An experiment in poultry marketing; the Petaluma live poultry auction. Giannini Found. Mimeog. Rpt. 114,90 p. June 1951. 281.9 G34M
- 79738 ALBERTI. Die geflügelhaltung im norddeutschen raum. Deut. Wirtgeflügelzucht. 3:399. May 26, 1951. 47.8 D483
- 79739 ALBERTI. Sensationelles mehrergebnis der legeleistung? Eier-, Wild-, Geflügel- u. Honig-Markt 3(41):2. May 17, 1951. 280.38 E13 Germany.
- 79740 ALLEN, C. F. PCA [Poultrymens Cooperative Association of Southern California] financial structure. Coop. Poultryman 16(7):13-15. July 1951. 47.8 C782
- 79741 ALP, H. H. Broiler industry expansion problems. East. Feed Merchant 2(8):18,20. Aug. 1951. 389.78 Ea7
- Similar title in U. S. Egg & Poultry Mag. 57(8):15-17, 24, 26-28. Aug. 1951. 286.85 Ag8
- 79742 ALTHOUSE, S. L. For better chick delivery—truck design. Hatchery & Feed 25(8):14,40. Aug. 1951. 47.8 H28
- 79743 BEER, A. Dürfen wir der post noch lebende kücken zur beförderung anvertrauen? Warum bezahlen wir expressgebühr? Geflügelhof 14:350-351. May 25, 1951. 47.8 G276
- 79744 BLACKSTONE, J. H. Marketing practices and facilities of selected buyers of eggs in Alabama, 1947-1948. Ala. Agr. Expt. Sta. B. 278,23 p. Nov. 1950. 100 AL18
- 79745 BOSS, S. J. Feed and supply distribution sets all time record. Coop. Poultryman 16(7):18-21, 46. July 1951. 47.8 C782
- Poultrymens Cooperative Association of Southern California.
- 79746 BOTSFORD, H. E. Handling eggs for market. N. Y. Agr. Col. Cornell Ext. B. 416, rev., 29 p. July 1951. 275.29 N48E
- 79747 BRUNNINGER, H. A. Rederelen oder—? Eier-, Wild-, Geflügel- u. Honig-Markt 3(39):1. May 10, 1951. 280.38 E13
- Egg marketing problem in Bavaria.
- 79748 CARPENTER, C. D. The grading and inspection of poultry from the viewpoint of industry. Amer. Egg & Poultry Rev. 12(6):48-49. June 1951. 47.8 Am38
- Also in U. S. Egg & Poultry Mag. 57(7):17, 24-25. July 1951. 286.85 Eg3
- 79749 ESTABAN, M. La cooperación avícola. Cooperación [Madrid] 110:16-17. Apr. 1951. 280.28 C7875 Spain.
- 79750 EVANS, B. Shipping birds by air successful. Amer. Pigeon J. 40:196. July 1951. 47.8 Am35
- 79751 FUNK, E. M. Maintenance of quality in shell eggs by thermostabilization. Mo. Agr. Expt. Sta. Res. B. 467, 46 p. Ref. Dec. 1950. 100 M693
- 79752 GOBLE, J. W. Cleaning eggs for market. Nebr. Agr. Col. Ext. E. C. 1320, 6 p. June 1951. 275.29 N272Ex
- 79753 GODFREY, G. F., THAYER, R. H., and THOMPSON, R. B. They found out in Oklahoma: broilers can make money. N. H. Breeder & Broiler Grower 14(2):9, 37. July/Sept. 1951. 47.8 N45
- 79754 HAMANN, H. G. F. New grading regulations; how they affect the home type dressing plant. Turkey World 26(8):22-23. Aug. 1951. 47.38 T84
- 79755 HEARD, H. C. PCA [Poultrymens Cooperative Association of Southern California] twentieth annual meeting. Coop. Poultryman 16(7):8-9, 32-34, 36-38. July 1951. 47.8 C782
- 79756 HEDDERWICK, C. What the hatching egg scheme means to you. Mod. Poultry Keeping 65:91. July 25, 1951. 47.8 Eg3
- Great Britain.
- 79757 HELVIG, R. J., and HART, R. W. Poultry sanitation standards. Amer. J. Pub. Health 41:938-943. Aug. 1951. 449.9 Am3J
- In dressing plants.
- 79758 HENRICKSON, R. L. You can increase your retail sales with delicious smoked turkey. Turkey World 26(8):11, 48-49. Aug. 1951. 47.38 T84
- 79759 HOMAN, E. L. Quality eggs are the only kind you can merchandise. (Condensed.) U. S. Egg & Poultry Mag. 57(8):9-10, 23-24. Aug. 1951. 286.85 Eg8
- 79760 JENKINS, W. R. Growth of Utah's turkey industry. Utah. State Agr. Col. Ext. B. 248, 6 p. June 1951. 275.29 Ut1
- 79761 JOHNSON, E. A. Wanted over 2 million more hens in Southern California. Coop. Poultryman 16(8):3-4. Aug. 1951. 47.8 C782
- 79762 KÄSTNER, F. Die einkühl-aktion. Eier-, Wild-, Geflügel- u. Honig-Markt 3(28):1-2. Apr. 12, 1951. 280.38 E13 Germany.
- 79763 KÄSTNER, F. Um legeleistung und eierbedarf in Westdeutschland. Eier-, Wild-, Geflügel- u. Honig-Markt 3(44):1-2. May 24, 1951. 280.38 E13
- 79764 KÄSTNER, F. Schmutzeier; eine neue sorge der eierkennzeichnungsstellen. Eier-, Wild-, Geflügel- u. Honig-Markt 3(36):1-2. May 3, 1951. 280.38 E13 Germany.
- 79765 KEATON, C. R. New State [New Mexico] egg law guarantees quality of eggs offered for sale to consumers. N. Mex. Agr. Col. Ext. News 31(5):4. May 1951. 275.29 N463Ex
- 79766 KHOURY, M. A. Merchandising eggs. Amer. Egg & Poultry Rev. 12(7):18, 20-21. July 1951. 47.8 Am38
- 79767 KLINE, L., and others. Role of glucose in the storage deterioration of whole egg powder. III. Food Technol. 5:323-331. Ref. Aug. 1951. 389.8 F7398
- H. L. Hanson, T. T. Sonoda, J. E. Gegg, R. E. Feeney, and H. Lineweaver, joint authors.
- 79768 LONGWILL, A. Pig production policy: increased numbers, lighter weights. New Zeal. J. Agr. 82:329-330. Apr. 16, 1951. 23 N48J
- Policy of the New Zealand industry aimed at the United Kingdom market.
- 79769 LYON, G. H. Commercial chick hatcheries in South Carolina; egg supply, prices and practices. S. C. Agr. Expt. Sta. B. 392, 34 p. May 1951. 100 So8
- 79770 MANGUS, H. D. Who's sellin' those turkeys? Amer. Poultry J. 82(7):8, 20. July/Aug. 1951. 47.8 Am32
- 79771 MORTENSON, W. P. Let's sell more poultry! Here's what the industry can do to make more sales. Amer. Poultry J. 82(7):10, 25. July/Aug. 1951. 47.8 Am32
- 79772 NORMAND, M. Le fonctionnement d'une co-opérative de vente des oeufs aux U. S. A. (Southeastern Ohio Egg Auction Association). France. Min. de l'Agr. B. Tech. d'Inform. 58:289-290. Apr. 1951. 14 F844B
- 79773 PIKE, M. Chickens for the freezer. Hoard's Dairyman 96:580. July 25, 1951. 44.8 H65
- 79774 PLATT, F. L. Changes in the Northeastern egg market. Everybodys Poultry Mag. 56(7):12, 24. July/Aug. 1951. 47.8 F213P
- 79775 RÉGO, J. F. DO. Importance of the turkey in the national economy. (In Portuguese.) Agr. e Pecuaria 32(330):5, 54. Mar. 1951. 9.2 Ag89 Brazil.
- 79776 RIST, E. Werbemaassnahmen zur steigerung des eierverbrauches. Eier-, Wild-, Geflügel- u. Honig-Markt 3(62):1-2. July 5, 1951. 280.38 E13 Germany.
- 79777 RÖMER, R. R. Eiererzeugung und eierverbrauch. Eier-, Wild-, Geflügel- u. Honig-Markt 3(50):1-5. June 7, 1951. 280.38 E13 Germany.
- 79778 RÖMER, R. R. Zahlen um das ei. Eier-, Wild-, Geflügel- u. Honig-Markt 3(25):1-2. Apr. 5, 1951. 280.38 E13
- The industry in Germany.
- 79779 ROSENSTINGEL, F. Futterpreise-importeier-pullorumuntersuchung. Österr. Kleintierzüchter 7/8:932. (To be cont.) Apr. 1951. 49 Os7
- 79780 SAIJA, E. Das märchen von den "eierfabriken." Deut. Wirtgeflügelzucht 3:328-329. Apr. 14, 1951. 47.8 D483
- On the German poultry industry.
- 79781 SAMAT, M. Qualité de chair. Révell Agr. 60:120-121. Apr. 15, 1951. 14 R322 Poultry.
- 79782 SCHALKERS, K. H. The future of the poultry industry in the Netherlands. I. (In Dutch.) Pels en Pluim 6(14):3. July 13, 1951. 47.8 P36

79783 SEAVER, S. K., and KING, R. A. Competitive position of the Connecticut poultry industry. 2. Marketing eggs through retail stores. Conn. (Storrs) Agr. Expt. Sta. B. 268, 31 p. Oct. 1950. 100 C76S

79784 SOUTER, H., MITFORD, C. E., and SLAUGHTER, R. E. Australian Egg Board. Poultry Farmer [Sydney] 18(48):4-8, 33-36. June 2, 1951. 280.28 Or32

79785 TABART, R. M. Improved egg quality. Australas. Poultry World 22(11):11. June 5, 1951. 47.8 Au72

79786 THOMAS, I. Lessons of Gambia poultry farm; an objective consideration of the factors which eventually compelled the abandonment of the project, made after a visit to the site of the scheme. New Commonwealth 22: 89, 88. Aug. 1951. 280.8 C88

79787 URNER, F. E. Taking stock of the egg outlook. Amer. Egg & Poultry Rev. 12(7):2-3, 48. July 1951. 47.8 Am38

79788 VAIL, G. Let's welcome product changes—not resist them. (Condensed.) U. S. Egg & Poultry Mag. 57 (8):11, 31. Aug. 1951. 286.85 Ag8
In the poultry industry.

79789 WASSING, H. Future of the poultry industry in the Netherlands. V-VI. (In Dutch.) *Pluimveeteelt* 4(12):3; (13):3. June 8-22, 1951. 47.8 P722

Part VII in *Pels en Pluim* 6(13):3. June 29, 1951.

47.8 P36

79790 WEAVER, L. E. Help wanted by—Poultry and Egg National Board. Eggsaminer 28(8):17. Aug. 1951. 286.85 Eg32

79791 WEGGE, W. Are we ready to advertise? Hatchery & Feed 25(8):60-62. Aug. 1951. 47.8 H28
Eggs and poultry.

79792 WESTERN AUSTRALIA, EGG MARKETING BOARD. Fourth annual report and accounts for the year ended 30th June, 1950. West Perth, 1951. 18 p. 286.85 W524A

79793 WILSON, B. El lavado apropiado de los huevos. Agr. Austral 19:159-160. Apr. 1951. 9.3 Ag842

79794 WILSON, W. O. Know how to ventilate those chick boxes? Poultry Supply Dealer 28(8):14, 29. Aug. 1951. 47.8 B11

79795 WOLFE, T. K. Easterners sell broiler turkeys the year around. Turkey World 26(8):20, 43-44. Aug. 1951. 47.38 T84
Virginia.

79796 YOU PROFIT by retailing your birds; a home dressing plant and freezer make you money; this directory will help find items you'll need. Turkey World 26(8): 14-17, 45-46. Aug. 1951. 47.38 T84

79797 ZURECK, F. Über eiersortier- und eierein-tauchmaschinen. Deut. Wirtgeflügelzucht 3:419-420. June 2, 1951. 47.8 D483

RUBBER AND RUBBER SUBSTITUTES

79798 BLOW, C. M. Physics and chemistry of raw rubber and rubber derivatives, gutta-percha, balata, chicle and jelutong. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 14:26-32. Ref. 1950. 305.9 In7A

79799 BOCQUET, M. Possibilités d'extension de l'hévéaculture africaine. Rev. Gén. du Caoutchouc 28: 453-458. July 1951. 305.8 R32
English summary, p. 503.

79800 DAVIS, C. C. Quelques-uns des véritables pionniers de l'industrie du caoutchouc. Rev. Gén. du Caoutchouc 28:462-464. July 1951. 305.8 R32
English summary, p. 503.

79801 DUSSEK, A. E. H. What is a rubber road? Rubber Age & Synthetics 32:158-160. July 1951. 305.8 R824

79802 FABRE, R., and QUÉRÉ, P. La conjoncture caoutchouc traduite en graphiques. Rev. Gén. du Caoutchouc 28:458-461. July 1951. 305.8 R32
English summary, p. 503.

79803 HERBETTE, F. L'opinion publique et le caoutchouc. Rev. Gén. du Caoutchouc 28:471-472. July 1951. 305.8 R32
English summary, p. 503.

79804 INSTITUTION OF THE RUBBER INDUSTRY. Annual report on the progress of rubber technology, v. 14, 1950. Cambridge, Eng., 1950. 114 p. 305.9 In7A

79805 KIDDER, G. A. Properties of natural rubber latex from clonal and seedling trees of *Hevea brasiliensis*. I. India Rubber World 124:563-566, 575. Aug. 1951. 305.8 In2

79806 MARTIN, G. Latex and the international organisation for standardisation. Rubber Age & Synthetics 32:128, 132. June 1951. 305.8 R824

79807 MOAKES, R. C. Testing equipment and specifications other than for latex. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 14:39-46. Ref. 1950. 305.9 In7A

79808 MULLINS, L. Physical and chemical properties of vulcanised rubber. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 14:54-58. Ref. 1950. 305.9 In7A

79809 PICCINI, I. Le renforcement direct du caoutchouc de latex. Rev. Gén. du Caoutchouc 28:487-491. (Cont.) Ref. July 1951. 305.8 R32

English summary, p. 504.

79810 PILLAI, A. K. M. *Cryptostegia grandiflora*. Rubber India 3(3):5-8, 23-27; (4):5-9; (5):9-15. (Cont.) Mar.-May 1951. 305.8 R829

Tapping, and properties and processing of the latex.

79811 RAGHAVACHARYA, K. Rubber latex industry in India. Agr. Econ. 2(6):14. Feb./Mar. 1951. 281.8 Ag832

79812 REDFERN, C. J., and DAWSON, T. R. Historical and statistical review. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 14:1-5. Ref. 1950. 305.9 In7A

79813 ROSSEM, A. VAN. Report on a trip to the United States of North America. (In Dutch.) *Bergcultures* 20:225, 227, 229, 231. July 1, 1951. 22.5 B45

Rubber industry and rubber research.

79814 RUBBER MANUFACTURERS ASSOCIATION. The rubber industry. In Glover, J. G., and Cornell, W. B., eds. The development of American industries, Ed. 3, p. 543-576. New York, Prentice-Hall, 1951. 277.12 G51

79815 VEERSEN, G. J. VAN. La chimie de la vulcanisation du caoutchouc naturel. Rev. Gén. du Caoutchouc 28:411-414. Ref. June 1951. 305.8 R32

English summary, p. 419.

79816 WATTS, J. Synthetic rubber. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 14:33-38. Ref. 1950. 305.9 In7A

79817 WOOD, J. F. Properties, applications and utilisation of latex. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 14:21-25. Ref. 1950. 305.9 In7A

SEEDS

79818 ADAMS, H. J. What the seed processor wants. Seed World 69(2):12, 14. July 20, 1951. 61.8 Se52

79819 BURGER, J. E. The merchandising of quality seeds. Grain & Feed J. Consolidated 107(3):17-18. Aug. 8, 1951. 298.8 G762

79820 CONSTANDSE, A. J. Comparison of the quality of seeds at the time of certification and after the delivery. (In Dutch.) *Zaadbelangen* 5:141-142. June 30, 1951. 61.8 Z1

Netherlands.

79821 COOPER, A. N. Certification of seed potatoes, season, 1950-51. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:179-180. May 1951. 23 T182T

79822 DALRYMPLE, A. J. B. C. seed growers meet tough competition. Farm & Ranch Rev. 47(6):12-13. June 1951. 7 F223

The vegetable seed industry in British Columbia.

79823 GARRISON, C. S., PARSONS, F., and JOHNSON, A. A. Seed certification. West. Feed & Seed 6(7):24, 57. July 1951. 389.78 W52

79824 GERICH, W. VON. Timothy producers, take care of good timothy seed. (In Swedish.) *Labor [Helsingfors]* 35(3):15. Apr. 13, 1951. 20 L11

Finland.

79825 GHISLENI, P. L. Economic aspects of production and preservation of seeds of horticultural plants. (In Italian.) *Cron. Econ.* 100:17-19. Apr. 1951. 280.8 C882

Italy.

79826 GOPP, K. Vergleichende betrachtung über die anforderungen an saatgerste und braugerste. Brauwelt 20: 385-387. May 17, 1951. 390.8 B732

Germany.

79827 HINRICHS. Zur vermehrerabrechnung für gemüsesamen. Landwirt. Z. der Nord-Rheinprov. 118: 574. June 30, 1951. 18 L2344

79828 HORNE, F. R. What England has done to insure purity of grain and feed seeds. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 4(46):8-9. June 27, 1951. 281.8 Ag3

Certification.

79829 INDIANA, AGRICULTURAL EXPERIMENT STATION. Inspection of agricultural seeds. Ind. Agr. Expt. Sta. C. 367, 51 p. Dec. 1950. 100 In2P

79830 KANIPE, L. A. Analyst gives views about the seed industry. Seed Trade News 57(6):7. Aug. 8, 1951. 61.8 Se3

- 79831 LOTOTSKII, I. S. Again on methods of storage and transportation of acorns. (In Russian.) *Lesn. Khoz.* 4(3):26-30. Mar.1951. 99.8 L5622
- 79832 MACKAY, J. W. Seed production in Canada. *Seed World* 69(3):20,22. Aug.3,1951. 61.8 Se52.
- 79833 NEDERLANDSCHE ALGEMEENE KEURINGS-DIENST VOOR LANDBOUWZADEN EN AARDAPPEL-POOTGOED. Annual report covering the fiscal year 1949-1950. n.p.,1950. 3 p.. 12 N284A
- 79834 NEDERLANDSCHE ALGEMEENE KEURINGS-DIENST VOOR LANDBOUWZADEN EN AARDAPPEL-POOTGOED. Ninth to thirteenth annual report of the N. A. K., 1940/41-1944/45. Wageningen,1950. 2 p.
- 79835 PIELEN, L. Die besonderheiten der versuchs-anstellung bei der prüfung von gemüsebaulichen sorten und stämmen. *Saatgut-Wirt.* 3:36-37. Feb.1951. 61.8 Sa1
- 79836 SACHS, E. Zu besseren saatgutqualitäten. *Neue Mitt. f. die Landwirt.* 6:461-462. July 14,1951. 18 N39
- Tests.
- 79837 SEDERHOLM, R. How is seed marketing supervised? (In Swedish.) *Labor [Helsingfors]* 35(2):3-4,12-13. Mar.5,1951. 20 L11
- In Finland.
- 79838 TAYLOR, B. L. Cereal and pulse certification—seasonal summary. *Tasmania. Dept. Agr. Tasmania J. Agr.* 22:191-194. May 1951. 23 T182T
- Certified seed.
- SUGAR AND SIRUPS**
- 79839 ALMANDOZ, P. R. Fabricación de hielo seco; fabricación de hielo seco con el CO₂ de la fermentación de las mieles. *Agrotecnia* 5:22-24. May/June 1951. 8 Ag825
- 79840 ALVENSLEBEN, B., GRAF VON. Neubau oder ausbau. *Zucker* 4:12-13. Jan.1,1951. 65.8 Z82
- Acreage and area of sugarbeets in Germany.
- 79841 AMERICAN SUGAR REFINING CO. The sugar industry. In Glover, J. G., and Cornell, W. B., eds. The development of American industries, Ed. 3, p.485-518. New York,Prentice-Hall,1951. 277.12 G51
- 79842 BEAUCHAMPS. Aspects actuels de l'économie sucrière. *Acad. d'Agr. de France. Compt. Rend.* 37:317-323. May 30,1951. 14 P215Bc
- 79843 BOYD, G. A. Sugar cane production in Guadeloupe has been disappointing this year. *Foreign Trade* 10:108-109. July 28,1951. 286.8 C162
- 79844 BOYD, H. B. The proposed Sugar Act extension. *Sugar* 46(8):25-27. Aug.1951. 65.8 F11
- 79845 COSTA FILHO, M. Sugar-mills of the Seventeenth Century in the book "An account of the State of Brazil." I. (In Portuguese.) *Bras. Acucareiro* 36:441-445. Oct.1950. 65.8 B73
- 79846 DENCKER, H. C. Abfuhr und abladen der zuckerrüben. *Zucker* 4:27-31. Jan.15,1951. 65.8 Z82
- 79847 DIEGUES JUNIOR, M. Sugar in the Presidential reports from Pernambuco. V. (In Portuguese.) *Bras. Acucareiro* 36:437-440. Oct.1950. 65.8 B73
- 79848 GANDHI, M. P. A practical policy to meet sugar and gur requirements of the country. *F. O. Licht's Sugar Inform. Serv. Sup. Rpt.* 10:1-3. May 22,1951. 66.8 L61S
- India.
- 79849 GUPTA, D. K. Sun makes gur. *Tad Gud Khabar* 11(5):2-3. Aug.1950. 67.8 T12
- 79850 JANEBA, G. Erläuterungen zum gesetz über den verkehr mit zucker. *Zucker* 4:54-57. Feb.1,1951. 65.8 Z82
- Germany.
- 79851 JOHAR, D. S. Micro-organisms in Indian sugars. *Indian J. Hort.* 8(2):19-21. Ref. June 1951. 80 In2
- 79852 JOHNSON, R. The utilization and distribution of Louisiana blackstrap molasses. *Sugar J.* 14(3):50-51, 76. Aug.1951. 65.8 Su391
- 79853 KAMAT, S. S. V. Palm candy making in far South. *Tad Gud Khabar* 11(6):4-5. Sept.1950. 67.8 T12
- Gur.
- 79854 KNUST, H. G. Disposal of crop residues. *Queensland. Bur. Sugar Expt. Sta. Cane Growers: Q. B.* 14:148-149. Apr.1,1951. 65.9 Q3C
- Burning and raking trash after the sugarcane harvest in Australia.
- 79855 KÜHNE, G. Der gegenwärtige stand des zuckerrübenanbaues im Bundesgebiet. *Zucker* 4:36-39. Jan.15,1951. 65.8 Z82
- Germany.
- 79856 KÜHNE, G. Eine gesamtbeachtung des problems der anbauerweiterung im zuckerrübenbau. *Zucker* 4:76-81. (Cont.) Feb.15,1951. 65.8 Z82
- Germany.
- 79857 LACOURCIERE, H. La Beauce, royaume du sucre. *Abeille et l'Erable (ser.2)* 20:54-56. Apr.1951. 424.8 Ab32
- 79858 LAMBORN & CO. Lamborn's chart of comparative monthly stocks of sugar held by primary distributors in the United States, 1949, 1950, 1951. New York, 1951. folder. 281.365 L17Lc
- 79859 MCGINNIS, R. A., ed. Beet-sugar technology. New York,Reinhold,1951. 574 p. Ref. 66 M17
- Includes culture.
- 79860 MARTIN, L. F. Valuable by-product [aconitic acid] recovered in sugarcane processing. *Sugar J.* 14(3):62. Aug.1951. 65.8 Su391
- 79861 MENDEZ, J. B. G. What Puerto Rico's sugar means to the United States' economy. *Sugar J.* 14(3):22, 24. Aug.1951. 65.8 Su391
- 79862 MOSOLFF, H. Die entwicklung des deutschen zuckerverbrauchs in den jahren 1850 bis 1950. *Zucker* 4:123-128. (Concl.) Mar.15,1951. 65.8 Z82
- 79863 MOSOLFF, H. Die wandlungen des zuckerverbrauchs. *Zucker- u. Süsswaren-Wirt.* 4:301-304. Apr.20, 1951. 286.86 Z8
- 79864 MOSOLFF, H. Zu den versorgungs- spannungen auf dem deutschen zuckermarkt. *Zucker- u. Süsswaren-Wirt.* 4:319-320. Apr.20,1951. 286.86 Z8
- 79865 MURPHY, D., and others. Fermentation of beet molasses by *Pseudomonas hydrophila*. *Canad. J. Technol.* 29:375-381. Ref. Aug.1951. 470 C16F
- R. W. Watson, D. R. Muirhead, and J. L. Barnwell, joint authors.
- 79866 NAGEL. Natriumglutamat—ein neuer stoff aus zuckerrübenabläufen. *Zucker* 4:100-101. Mar.1,1951. 65.8 Z82
- 79867 NORMAN, L. W., and others. Sucrose from sorgho in the Imperial Valley, California. *Sugar J.* 14(3):60,62. Aug.1951. 65.8 Su391
- E. P. Pattison, G. Rorabaugh, H. F. Haney, and R. H. Cotton, joint authors.
- 79868 NÚÑEZ-SAMPER, M. Determinación cualitativa de mezcla de azúcares. *An. de Bromatología* 3:35-38. 1951. 389.8 An1
- English summary.
- 79869 PARKER, W. Importance of quality in sugar beet. *Brit. Sugar Beet Rev.* 19:149-153. June 1951. 66.8 B77
- 79870 PETIT, L. Analyse chromatographiques des mélasse. *Acad. d'Agr. de France. Compt. Rend.* 37:253-255. Apr.11,1951. 14 P215Bc
- 79871 PFAHL, K. Neue grossbehälter und ihre ein-satzmöglichkeiten im zuckertransport. *Zucker* 4:50-52. Feb.1,1951. 65.8 Z82
- 79872 PORTER, W. L., BUCH, M. L., and WILLITS, C. O. Maple sirup. III. Preliminary study of the nonvolatile acid fraction. *Food Res.* 16:338-341. Ref. July/Aug. 1951. 389.8 F7322
- 79873 POWERS, H. E. C., and DEATH, E. Continuous detection of sugar in boiler feed waters. *Internatl. Sugar J.* 53:219. Aug.1951. 65.8 In8
- 79874 RAMÍREZ SILVA, F. J. The use of bentonite for the clarification of sugar cane juices in Puerto Rico. *Sugar J.* 14(3):34,36. Aug.1951. 65.8 Su391
- 79875 RESTYLING byproducts will add new income; USDA shows sugar industry that it can get greater utilization of already useful bagasse and blackstrap by adopting newly developed method—here's how. *Food Engin.* 23(8):144-145. Aug.1951. 389.8 F737
- 79876 RODRÍGUES, J. H. Inquiries into the history of sugar in Europe. (In Portuguese.) *Bras. Acucareiro* 36:452-464. Oct.1950. 65.8 B73
- 79877 ROGGE, K. Zuckerpolitik in der entscheidung. *Zucker* 4:47-48. Feb.1,1951. 65.8 Z82
- Germany.
- Also in *Korrespondenz. f. Zuckerfabriken* 1950:9-10; Feb.20,1950; 65.8 K84.
- 79878 SCHERUGA, F. Rübenmüsmühle "heinzelmännchen." *Osterr. Landtech.* 4:125-126. Apr.1951. 58.8 L236
- 79879 SCHWEITZER, D. Der stand des süsstoff-problems. (Abs.) *Angew. Chem.* 63:316. July 7,1951. 384 Z33
- 79880 SEN, H. D., and KAPOOR, B. D. Manufacture of calcium lactate and lactic acid from cane molasses. *Sugar Technol. Assoc. India. Proc.* 19:1-14. 1950. 65.9 Su33P

79881 SILVEIRA, A. H. DA. How is cane vinegar made? (In Portuguese.) Chacaras e Quintais 84:69. July 15, 1951. 9.2 C34

79882 SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA. Proceedings of the eighteenth annual convention held in Kanpur 6th & 7th November, 1949. I-II. Nawabganj, Kanpur, 1949. 91, 48p. 65.9 Su33P

79883 TINLEY, J. M. Sugar beet production, 1951; California acreage likely to be lower than last year as farmers find it more profitable to shift to other crops. Calif. Agr. [Calif. Sta.] 5(6):2. June 1951. 100 C12Cag

79884 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Extension of Sugar Act of 1948. Hearings, 82d Cong., 1st sess. on H. R. 4521, June 27, 28, 29, July 11, 26, 27, and 31, 1951. Washington, 1951. 323 p.

79885 WOLFF, O. Stärkezuckersirup. Zucker- u. Süßwaren-Wirt. 4:327-328. (Cont.) Apr. 20, 1951. 286.86 Z8

Chemistry.

79886 ZABLINSKY, K. Der einfluss des bei der klärung von rohrzuckermelassen entstehenden niederschläges auf das ergebnis der zuckerbestimmung. Korrespondenzbriefe. f. Zuckerfabriken 1951:1-4. (To be cont.) Mar. 20, 1951. 65.8 K84

79887 ZANNONI, I. The development of beet culture in the South. (In Italian.) Mondo Agr. 2(24):6. June 17, 1951. 16 M74

Sugar beets situation.

TOBACCO

79888 AUSTIN, R. C. Greeneville, Tennessee, tops all burley marts in average price for 1950 crop in quality leaf. Tobacco [New York] 133(4):139. July 26, 1951. 286.89 T552

79889 BOSWELL, A. Some figures on what leaf Wilson has sold for American and foreign cigarettes. Tobacco [New York] 133(4):19, 21, 23, 25, 27-28. July 26, 1951. 286.89 T552

79890 CUEVAS ALCOVER, L. Sobre la picadura al cuadrado, llamada también picadura granulada. Habano 17(4):23-26. Apr. 1951. 69.8 H11

79891 CYPRUS. DEPT. OF AGRICULTURE. Annual report for 1950, appendix VI; annual report of the Tobacco Officer for 1950. Nicosia, 1951. 11 p. 21 C99

79892 DENNIS, H. A. Difficulties beset flue-cured production, but industry looks for excellent season. Tobacco [New York] 133(4):113, 115, 118. July 26, 1951. 286.89 T552

79893 DIXON, W. T. Durham maintains its famous position as leaf exporter, tobacco manufacturer. Tobacco [New York] 133(4):83, 85-87, 106. July 26, 1951. 286.89 T552

79894 GAGE, C. E. Problems of bright leaf selling in South and how they may be handled by trade. Tobacco [New York] 133(6):9-10. Aug. 9, 1951. 286.89 T552

79895 GENTRY, E. E. Perique from ancient processing of Indians gained its great international reputation. Tobacco [New York] 133(4):134-135. July 26, 1951. 286.89 T552

79896 HUNT, R. Curing [tobacco] fixes the value. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(8):17, 64, 70. Aug. 1951. 6 P945K

79897 INDIAN CENTRAL TOBACCO COMMITTEE. Fifth annual report, 1949-50. Madras, 1951. 31 p. 281.3699 In2

79898 JOHNSTON, E. G., JR. "Perfect blending" bright tobacco sold at Rocky Mount, North Carolina, market. Tobacco [New York] 133(4):59, 61, 63, 65-66. July 26, 1951. 286.89 T552

79899 KADAM, B. S. Tobacco monopoly in Japan. Indian Tobacco 1:113-117. Apr. 1951. 69.8 In2

79900 KELLEY, J. B. Curing burley tobacco, a summary of research work in Kentucky. Tobacco Workers Conf. Engin. Sect. Proc. 1:9. June 6, 1950. 69.9 T552

79901 MALHOTRA, D. K. Indian tobacco in the world market. Indian Tobacco 1:83-88. Apr. 1951. 69.8 In2

79902 MARDIN, C. La question du tabac en Turquie. (In Turkish.) Türkiye Cumhuriyeti Ziraat Bankası. Uç Ayda Bir Çıkar 19:173-184. July/Sept. 1950. 280.9 T842

79903 PACK, A. B. Tobacco curing research in Connecticut. Frontiers Plant Sci. 34:4-5, 8. May 1951. 100 F92

79904 PARIKH, M. A. The bidi industry in India. Indian Tobacco 1:103-105. Apr. 1951. 69.8 In2

79905 PATEL, M. S. Production and marketing of bidi tobacco in Kaira district. Indian Tobacco 1:94-100. Apr. 1951. 69.8 In2

79906 PRICE, D. Crop classification must be consistent from year to year. Rhodesian Tobacco J. 2(5):49-50. May 1950. 69.8 R34

79907 RANGACHARI, T. M. Marketing of Indian tobacco. Indian Tobacco 1:109-112. Apr. 1951. 69.8 In2

79908 RANKIN, R. C. One-third of all South Carolina bright sold at Mullins for home, export trade. Tobacco [New York] 133(4):109-111. July 26, 1951. 286.89 T552

79909 RICHARDS, H. D. Manufacturers ask for burley and dark-fired as stocks need rapid current replenishment. Tobacco [New York] 133(4):143-144, 173. July 26, 1951. 286.89 T552

79910 SALZMAN, G. World interest in Rhodesian leaf must be stimulated. Rhodesian Tobacco J. 2(7):31-32. July 1950. 69.8 R34

79911 SANKARAI AH, K. Tobacco growers and co-operation. Indian Tobacco 1:118-121. Apr. 1951. 69.8 In2

79912 SINGH, J. R. Tobacco from the Rupununi. New Commonwealth 22:120-121. Aug. 1951. 280.8 C88

The industry in British Guiana.

79913 STANLEY, J. M., and SHEPHERD, J. L. Shade tobacco curing research in Georgia. (Abs.) Tobacco Workers Conf. Engin. Sect. Proc. 1:10. June 6, 1950. 69.9 T552

79914 TANDON, P. L. Some salient aspects of Agmark system of tobacco grading in India. Indian Tobacco 1:90-93. Apr. 1951. 69.8 In2

79915 TOBACCO WORKERS CONFERENCE. ENGINEERING SECT. First proceedings, Gainesville, Florida, June 6-9, 1950. n.p., 1950. 23 p. 69.9 T552

79916 WEEKS, L. T. How [Fluecured Tobacco] Stabilization Corporation helps tobacco growers. Prog. Farmer, Carolinas-Va. Ed. 66(8):19. Aug. 1951. 6 P945

79917 WELDON, N. W. Curing bright leaf tobacco. (Abs.) Tobacco Workers Conf. Engin. Sect. Proc. 1:7. June 6, 1950. 69.9 T552

79918 WILLIAMS, J. R. "World's largest tobacco center" holds own in foreign trade as well as domestic, too. Tobacco [New York] 133(4):89, 91, 93, 171. July 26, 1951. 286.89 T552

Winston-Salem, North Carolina.

MISCELLANEOUS PRODUCTS

79919 BRONSVELD, J. J. On "green herring" and "matie herring." (In Dutch.) Visserijwereld 10(22):7. June 1, 1951. 414.8 V82

79920 BRONSVELD, J. J. Soaked herring. (In Dutch.) Visserijwereld 10(28):16. July 13, 1951. 414.8 V82

79921 CARAPELLE, E., and MIRRI, A. Sanitary problems in the preservation and preparation of fish products with particular reference to the tuna. 1-2. (In Italian.) Indus. Ital. delle Conserve 25:107-121, 146-154. Ref. July/Aug.-Sept./Oct. 1950. 389.8 In23

79922 COOK, L. R. S. Stimulating sales again; points for the rose grower. Fruit-Grower 2899:91-92. July 19, 1951. 80 F941

79923 DIEHL, H. C. Sell protected quality in packaged frozen fish. Good Packaging 12(7):155-156, 159-160. July 1951. 280.38 G59

79924 EADE, G. W. A proposed certification program for Narcissus. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:27-28. 1950. 81 N818

79925 FINK, H., and HEILMEIER, F. Hat die feinstvermahlung von hopfen einen einfluss auf die austattung der eiweissskörper? Brauwissenschaft 7:97-99. July 1951. 390.8 B733

79926 FRYAR, R. G. Merchandising and distributing problems of the grower. Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course 3:18-24. 1950. 81 N818

79927 HARDY, J. Pack carefully for better carnation prices. Nurseryman & Seedsman 113:84-85. July 12, 1951. 80 N933

79928 KIMBALL, M. H., PETTINGILL, R. B., and MOFFETT, J. L. Promoting flower sales by radio and television. Bloomin' News 3(6):1, 2, 3. June 1951. 80 B625

79929 NICHOLLS, R. A. The packing of orchids. In The modern florist, p. 51-53. London, Pearson, 1951? 96.04 M72

79930 PHILLIPS, G. A. R. New Zealand venture. How I took my plants across the world. Nurseryman & Seedsman 113:86-88. July 12, 1951. 80 N933

- 79931 PIERCE, F. O. Merchandising and distributing problems of the jobber. *Nowest. Bulb Growers Assoc. Proc. Bulb Growers Short Course* 3:24-26. 1950. 81 N818
- 79932 RAMOS, J. Shipping orchid seedlings in agar by air. *Philippine Orchid Rev.* 3(1):22-23. Feb. 1950. 80 P53
- 79933 SCHOONENS, J. G. Fermented fish. (In Dutch.) *Visserijwereld* 10(28):13-14. July 13, 1951. 414.8 V82
- 79934 SCHOONENS, J. G. Mechanical salting of herring. (In Dutch.) *Visserijwereld* 10(24):13-14. June 15, 1951. 414.8 V82
- 79935 WEBER, P. J. F. Lupulin. *Hopper* 8(3):9. June 1951. 70.8 H77
- 79936 YU, C. T., and CRUESS, W. V. A study of several factors in the salting and smoking of fish. *Canner* 113(6):12-14; (7):14,16,18. (Cont.) Aug. 11-18, 1951. 286.83 C16

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with *Agricultural Engineering*.

GENERAL

- 79937 BAUGHMAN, E. T. Current economic and farm trends. *Grain & Feed J. Consolidated* 107:20. July 11, 1951. 298.8 G762
- 79938 CANADIAN AGRICULTURAL ECONOMICS SOCIETY. Proceedings of the Canadian Agricultural Economics Society 1950; includes proceedings of twentieth annual meeting, Charlottetown, June 27-30, 1950 and proceedings of regional meeting, Hamilton, June 19-20, 1950. n. p., 1950? 156 p. 281.9 C16
- 79939 CHAPMAN, P. W. Growing Georgia places accent on poultry, pines, pastures, processing, and industrial plants. *Prog. Farmer, Tex. Ed.* 66(8):34,34C-34D. Aug. 1951. 6 T311
- 79940 CHARRON, P. E. Le progrès l'économie canadienne. *Abeille et l'Erable* (ser. 2) 20:68-69. May 1951. 424.8 Ab32
- 79941 COLLECTION DROIT SOCIAL. Les aspects économiques techniques et sociaux de l'expansion agricole. Paris, Librairie Sociale et Économique, 1950. 47 p. (Its Fasc. 37) 281.174 C68
- 79942 EL-SHAFFIE, M. A. Population pressure on land and the problem of capital accumulation in Egypt. *Madison, U. Wisconsin*, 1951. 342 p. 280.192 Sh1
- The agricultural economy.
- 79943 GARRIGOU-LAGRANGE, A. Production agricole et économie rurale. Ed. 2, rev. and enl. Paris, Librairie Générale de Droit et de Jurisprudence, 1950. 329 p. (L'Économie Politique Contemporaine, v. 5) 281 G192
- 79944 GUMMERT, F. Der industrielle Beitrag zur landwirtschaftlichen Ertragssteigerung. In *Bonn. Institut für Raumforschung. Ordnung und Planung im Ruhr-Raum*, p. 72-74. Dortmund, Ardey, 1951. 280.175 B643
- 79945 HAEGGBLOM, E. Det svenska jordbrukets ställning i näringsliv och samhällsliv [The position of Swedish agriculture in industry and in the community]. Stockholm? Studieförbund Medborgarskola, 1950. 216 p. 33.11 H12
- 79946 HEISE, A. Selbsthilfe—eine forderung unserer zeit! *Deut. Wirtgeflügelzucht* 3:397-398, 407. May 26, 1951. 47.8 D483
- Agriculture in Germany.
- 79947 INDIAN SOCIETY OF AGRICULTURAL ECONOMICS. Proceedings of the eleventh conference held at Lucknow, December, 1950. *Indian J. Agr. Econ.* 6(1), xvi, 28, 223 p. Mar. 1951. 281.8 In2
- 79948 INDIAN SOCIETY OF AGRICULTURAL ECONOMICS. Readings in agricultural economics, nature and scope. Bombay, 1950. 159 p. 281 In22
- 79949 ORLANDINI, O. On the borderline between misery, famine and desperation: Murgia S. Gennaro. (In Italian.) *Lotte Contadine* 2(9):10. May 25, 1951. 16 L91
- Economic conditions.
- 79950 PACIFIC COAST ECONOMIC ASSOCIATION. Proceedings of the twenty-fifth annual conference at Corvallis, Oregon, September 7-8, 1950. n. p., 1951. 106 p. 280.9 P11
- 79951 ROLLINS COLLEGE. Sixteenth annual economic conference. Winter Park, Fla. 1951. 141 p. 280.9 R65

- 79952 RORTY, J. Point four among the Mayans; an international experiment holds promise of an economy of plenty and health instead of chronic want and disease in many underdeveloped areas. *Survey* 87:341-343. Aug. 1951. 280.8 C37
- 79953 RURALIZED industry. *Rur. Electrification News* 16(11/12):12-13. June/July 1951. 173.2 R88Ru
- 79954 SANDERS, M. Alaska's expanding economy. *Alaskan Agr.* 3:6, 23. Mar. 1951. 6 AL16
- 79955 TORRES FILHO, A. The rhythm of national economic life. (In Portuguese.) *Seleç. Agr.* 6(60):5-9. Apr. 1951. 9.2 Se4
- Brazil.
- 79956 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR LATIN AMERICA. The flow of investments to economic development in Latin America. n. p., 1950. 26 p. (Inter American Regional Meeting on Food and Agricultural Programs and Outlook. 2d, Montevideo, 1950. LA/2/9 - E) 280.16 Un3F
- Economic conditions.
- 79957 WELLS, O. V. Objectives and character of the Government's mobilization program. Washington, U. S. Bur. Agr. Econ., 1951. 3 p. 1.941 F3W46
- Summary of address at Field Conference, Rural Electrification Administration, Salt Lake City, June 25, 1951. Effect on economic conditions.

AGRICULTURAL FINANCE

- 79958 DALMASSO, G. How much does the State spend for agriculture? (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:101-102. Apr. 15, 1951. 16 C72
- 79959 SCHENCK, H. E. Farm bond drive is at hand—Hoosier farmers urged to save. *Hoosier Farmer* 36(8):5. Aug. 1951. 280.82 H76
- 79960 TUCCI, M. Taxes and investments. (In Italian.) *Mondo Agr.* 2(17):1-2. Apr. 29, 1951. 16 M74
- Italy.
- 79961 U. S. DEPT. OF STATE. FOREIGN SERV. Accounting for publications procured for the Department of Agriculture. Washington, 1950. 2 p. (Its Finance Circular No. 74) 150.1 Ac2
- 79962 WILLIAMS, W. B. What the auto is doing to farm sales; new cars, good roads whisk the farm family into town to shop. *Printers' Ink* 236(5):33-34. Aug. 3, 1951. 238.8 P932
- Credit
- 79963 AGRAWAL, G. D., and others. Views on the report of the Rural Banking Enquiry Committee. *Indian Co-op. Rev.* 17:17-36. Jan./Mar. 1951. 280.28 In2
- H. S. Azariah, M. Srinivasan, C. W. B. Zacharias, M. Chand, S. V. D. Ayyar, D. N. Sinha, S. N. Sahay, and P. N. Driver, joint authors.
- 79964 ALBANESE, F. Insufficiency of agricultural credit. (In Italian.) *Mezzogiorno Agr.* 7(28):1. July 15/21, 1951. 16 M57
- Italy.
- 79965 AMATO, S. Agricultural credit, Arabian phenix. (In Italian.) *Mezzogiorno Agr.* 7(20):1-2. May 20/26, 1951. 16 M57
- Italy.
- 79966 AMORES YEPEZ, H. Juntas rurales de crédito agrícola de Costa Rica. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(65):30-31. Jan./Mar. 1951. 9.5 M31
- 79967 BASEVI, A. A special co-operative credit section of the National Labour Bank in Italy. *Rev. Internat. Co-op.* 44:169-173. July 1951. 280.28 In8B
- 79968 BIRON, M. XXXIIIème Congrès National de la Mutualité de la Coopération et du Crédit Agricoles à Lyon. *Prog. Agr. et Vitic.*, June 3/10, 1951:311-312. 14 P94
- 79969 CAMARA, N. V. DA. Cooperation and agricultural credit. (In Portuguese.) *Divulg. Coop.* 17:2-3. Mar. 1951. 280.28 R47
- Brazil.
- 79970 COLORADO BANKERS ASSOCIATION. Proceedings of the fiftieth annual convention, Broadmoor Hotel, Colorado Springs, May 31, June 1-2, 1951. Mountain States Banker 36(27):23-75. July 23, 1951. 284.8 M86
- 79971 DANSKE LANDMANDSBANK. Report for the 79th financial year 1950. Copenhagen, 1950. 13 p. 284.9 C782
- 79972 DOMINICAN REPUBLIC. DIRECCIÓN GENERAL DE ESTADÍSTICA. Estadística bancaria 1950. Ciudad Trujillo, 1951. 73 p. 284.9 D712
- Includes agricultural and rural loans.

- 79973 FEDELE, V. Agricultural credit. (In Italian.) Terra e Sole 107:251-252. July 1951. 16 T273 Italy.
- 79974 FEDERAL LAND BANK OF WICHITA. President's report, fiscal year 1951. Wichita, 1951. 39 p. 284.28 F319
- 79975 FONDA, M. E. Bank credit can help save U. S. soil. Bankers Mon. 68(8):26,30,32-33. Aug. 1951. 284.8 B223
- Credit for improved farming methods.
- 79976 FONDARD, L. Le crédit agricole. Bouches du Rhône Agr. 23(1054):16-17. July 1, 1951. 14 B662
- 79977 GORDEUK, A. Broiler financing. Hatchery & Feed 25(8):38-40. Aug. 1951. 47.8 H28
- 79978 INDIA. DEPT. OF AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Agricultural legislation in India. New Delhi, 1950-51. 2 v. 284.2 In28
- v. 1, Regulation of money lending; v. 2, Consolidation of holdings.
- 79979 KEIJSER, J. S. Credit modifications. (In Dutch.) Overijsselsch Landtbl. 33(1600):3. Apr. 14, 1951. 12 Ov2
- 79980 KENYA COLONY AND PROTECTORATE. COMMITTEE ON AGRICULTURAL CREDIT FOR AFRICANS. Report. Nairobi, Govt. Printer, 1950. 91 p. 284.2 K422
- 79981 LUZ FILHO, F. Cooperation, agricultural credit and colonization. (In Portuguese.) Coop [Bahia] 9(85):7-8. Dec. 1950. 280.28 C7842
- 79982 MARSAL, J. Le nantissement de l'outillage et du matériel d'équipement. Motorisation Agr. 6:352-354. June 1951. 58.8 M85
- 79983 MORSE, T. D. Lending on livestock in 1951. Kans. Banker 41(6):6-7,9,11,13. July 1951. 284.8 K13
- 79984 MÜLLENBACH, K. Zur kreditversorgung der landwirtschaft. Landwirt. Z. der Nord-Rheinprov. 118:434. May 19, 1951. 18 L2344
- 79985 NELSON, O. J. How a country banker promotes his public relations. Nowest. Banker 56(768):22,38, 40. July 1951. 284.8 N81
- 79986 PADBERG, K. Die entwicklung der landwirtschaftlichen schulden. Neue Mitt. f. die Landwirt. 6:446. July 7, 1951. 18 N39
- Germany.
- 79987 RISQUEZ, J. M. Crédito agrícola. Caracas, 1950. 47 p. (Conferencia Interamericana de Agricultura. 3., Caracas [1945] Comité Ejecutivo. Cuadernos Verdes. Ser. Nacional. No. 81) 284.2 R49
- 79988 RURAL BANK OF NEW SOUTH WALES, SYDNEY. Fifty crowded years, 1899-1949; a brief account of the history of the Rural Bank of New South Wales. Sydney, 1950. 40 p. 284.9 R88F
- 79989 SASKATCHEWAN. DEPT. OF CO-OPERATION AND CO-OPERATIVE DEVELOPMENT. RESEARCH SERV. Co-operative credit in Saskatchewan, by J. Larmour and G. P. Boucher. Regina? 1951. 105 p. 284.2 284.2 Sa722
- Economics Division, Marketing Service, Dept. of Agriculture of Canada, cooperating.
- 79990 SHARMA, V. P. Reorganisation of agricultural credit in Uttar Pradesh. Indian Co-op. Rev. 17:37-41. Jan./Mar. 1951. 280.28 In2
- 79991 SULLIVAN, A. CBA [Colorado Bankers Association] agricultural activities. Mountain States Banker 36(27):35-39. July 23, 1951. 284.8 M86
- 79992 TARDY, L. Le cinquantenaire du crédit agricole mutuel. France. Min. de l'Agr. Rev. Études & Monog. 59:141,143-145,147-149,151-153,155-157,159. June 1951. 281.8 F84
- 79993 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Activities of the Department of Agriculture. Hearings, 82d Cong., 1st sess.; v. 2: Farm Credit Administration, June 12, 1951; Farmers Home Administration, June 19, 1951. Washington, 1951. p.149-217.
- 79994 U. S. RURAL ELECTRIFICATION ADMIN. A statement on REA generation & transmission loans and how they help farmers. Washington, 1950. 8 p. 1.933 St27

Income

- 79995 COLLISON, C. F. Wealth Belt farm income at \$3.8 billion nets one-eighth national total. Com. West 102(8):9. Aug. 25, 1951. 286.8 C733
- 79996 DIVATIA, V. V. Notes on income of Bombay State, 1949-50. Bombay. Bur. Econ. & Statis. B. 4(3):1-35. Jan. 1951. 269.54 Ec7
- Includes agricultural income.

- 79997 MARKETBOOK, 1951. Broadcasting-Telecasting 41(8,mktb. sect.), 208 p. Aug. 20, 1951. 335.8 B78
- Includes farm income statistics by counties.
- 79998 STAUNING, A. The national income and the gardeners. (In Danish.) Gart, Tid. 67:277-278. June 20, 1951. 80 G192
- Denmark.
- 79999 STEPHENS, W. P. Farm income possibilities in the Mesilla Valley, New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1055, 32 p. July 1951. 100 N465

Inflation

- 80000 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES POUR LA MÉTROPOLE ET LA FRANCE D'OUTRE-MER. La France et l'inflation. France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture. Econ. Franç. 6(3), 144 p. May/June 1951. 280.8 F84
- Includes agricultural prices.
- 80001 KLINE, A. B. Farm Bureau's stand on inflation. (Condensed.) Farm Policy Forum 4(8):11-13. Aug. 1951. 281.8 F2274
- 80002 NORDIN, J. Shall we ration ability to spend? Farm Policy Forum 4(8):19-22. Aug. 1951. 281.8 F2274
- Inflation control.

Insurance

- 80003 ACHENBACH, D. Discussion: "crop hail problems": research on soybeans. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:241-243. 1951. 284.69 N19
- Includes discussion.
- 80004 ACHENBACH, D. L. Meeting today's challenge as a farm fire mutual. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:189-192. 1951. 284.69 N19
- 80005 ALSOP, J. W. Hail insurance in Connecticut. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:245-248. 1951. 284.69 N19
- Includes discussion.
- 80006 ANDRESS, H. J. Inspection of risks. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:281-284. 1951. 284.69 N19
- Windstorm insurance.
- 80007 BONA, T. Need for general hail insurance for grape producers. (In Italian.) Seme 2:210-211. Sept. 1950. 16 Se5
- Italy.
- 80008 BONIS, A. DE. In the fervor of the hail season. (In Italian.) Genio Rur. 14:346-348. May/June 1951. 281.8 R522
- Estimation of crop damages for insurance in Italy.
- 80009 BONIS, A. DE. Observations of fire damage to tobacco. (In Italian.) Genio Rur. 14:14-27. Jan./Feb. 1951. 281.8 R522
- In establishing indemnification for damages incurred during curing and processing.
- 80010 BOTTS, R. R. Building for the future. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:157-165. 1951. 284.69 N19
- Includes discussion.
- Farm mutual insurance.
- 80011 BUONAIUTO, G. A heavy burden of the unified payments and the need for a reform. (In Italian.) Mezzogiorno Agr. 7(23):1. June 10/16, 1951. 16 M57
- Italy.
- 80012 COOPER, E. L. Loss adjustments. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:284-287. 1951. 284.69 N19
- In windstorm insurance.
- 80013 DESAI, K. C. Cattle insurance. Bombay Co-op. Q. 34:241-244. Apr. 1951. 280.28 B63
- 80014 ENIZAN, C. Pourquoi s'assurer? Agr. Charentais 6(9):2; (12):4. May 15, June 30, 1951. 14 Ag825
- Accidents.
- 80015 FABBRI, A. Appraisal of hail damage to fruit. (In Italian.) Genio Rur. 14:337-345. May/June 1951. 281.8 R522
- For insurance purposes in Italy.
- 80016 FARQUHAR, A. D. Insuring stability. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:172-173. 1951. 284.69 N19
- Farm mutual insurance.
- 80017 FUNDERBURK, C. B. Serving members. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:169-171. 1951. 284.69 N19
- Farm mutual insurance.

- 80018 GEISSLER, G. F. Federal crop insurance program. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54: 248-256. 1951. 284.69 N19
Includes discussion.
- 80019 GHARRETT, G. H. Hall rates. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:236-238. 1951. 284.69 N19
Includes discussion.
- 80020 GIESE, H. A program to meet today's challenge. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54: 183-189. 1951. 284.69 N19
Problems of underwriting in fire and windstorm insurance.
- 80021 GROSS, H. L. Meeting today's challenge by the farm windstorm mutuals. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:192-195. 1951. 284.69 N19
- 80022 GROSS, H. L., and MYER, E. H. Panel discussion: classification of windstorm risks. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:272-280. 1951. 284.69 N19
Includes discussion.
- 80023 GUNDERSON, R. B. Insuring cotton. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:238-241. 1951. 284.69 N19
- 80024 JAMES, W. T., JR. Adjusting procedure under the policy. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:211-214. 1951. 284.69 N19
Farm mutual fire insurance.
- 80025 KEENEY, L. G., and others. Panel discussion: farm windstorm catastrophe coverage. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:268-272. 1951. 284.69 N19
C. P. Rutledge, P. Krauter, H. J. Requartte, and W. T. Ryan, joint authors.
- 80026 KENNICOTT, H. L. Informing the public. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:171-172. 1951. 284.69 N19
Farm mutual insurance.
- 80027 KROLLPFEIFFER, H. Zuchtler-versicherung. Tierzüchter 3:373. July 5, 1951. 49 T445
Germany.
- 80028 LAIDLAW, C. S. Agents' relations. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:165-166. 1951. 284.69 N19
Farm insurance.
- 80029 LEROY, L. Les institutions sociales agricoles et la vie rurale. In Collection Droit Social. Les aspects économiques, techniques et sociaux de l'expansion agricole, p.37-41. Paris, Librairie Sociale et Economique, 1950. 281.174 C68
Social security and mutual insurance in France.
- 80030 MCGLAUFILIN, H. F. Keeping up to date. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:168-169. 1951. 284.69 N19
On farm mutual insurance.
- 80031 MCWHINNIE, T. W. Farm mutual accounting. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:214-217. 1951. 284.69 N19
- 80032 MONICELLI, M. On an appeal appraisal. (In Italian.) Genio Rur. 14:345-346. May/June 1951. 281.8 R522
In the case of damage to insured rice.
- 80033 MOORAHREND. Um die neuregelung der arbeitslosenversicherungspflicht in der landwirtschaft. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:993-994. July 5, 1951. 18 L2346
- 80034 NATIONAL ASSOCIATION OF MUTUAL INSURANCE CO. Proceedings and papers, the fifty-fourth annual convention, Hotel Statler, Boston, Mass., October 29 thru November 3, 1950. Indianapolis, 1951. 323 p. 284.69 N19
- 80035 NILSSON, H. General observations on the evaluation of hail damage. (In Swedish.) (Excerpts.) Skand. Kreatursförsäkringsbol. Månadsbl. 29:75-76, 82. June/July 1951. 49.9 Sk1
For insurance.
- 80036 ROWE, W. H. Crop insurance in Japan. Supreme Commander Allied Powers. Nat. Resources Sect. Prelim. Study 58,46 p. July 1951. 280.9 Su72
- 80037 RUTLEDGE, A. Meeting today's challenge by the farm hall mutual. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:195-197. 1951. 284.69 N19
- 80038 RUTLEDGE, L. E. Effective advertising. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:256-258. 1951. 284.69 N19
Hall insurance companies.
- 80039 RUTLEDGE, P. I. Collection problems. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:243-245. 1951. 284.69 N19
Tobacco insurance.
- 80040 SASKATCHEWAN MUNICIPAL HAIL INSURANCE ASSOCIATION. Annual report, season 1950. Regina, 1951. 20 p. 284.69 Sa7
Additional Municipal Hall Limited, cooperating.
- 80041 TABORDA, A. The problem of agricultural insurance. (In Portuguese.) Brazl. Min. de Agr. B. 35 (7/12):41-45. July/Dec. 1946, pub. 1950. 9.2 Ag83
Mutual insurance in Brazil.
- 80042 U. S. FEDERAL CROP INSURANCE CORPORATION. Crop insurance program (general information). Washington? 1951? 17 p. 1.952 C882
- 80043 VEDRENNE-LACOMBE. L'assimilation anormale du métayer au régisseur en matière d'assurances sociales. Rev. de Lég. Agr. 4:70-72. Apr./May 1951. 281.8 R325
France.
- 80044 WARNER, C. E. New developments. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:287-288. 1951. 284.69 N19
Windstorm insurance.
- 80045 WHITAKER, E. M. The challenge. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:178-183. 1951. 284.69 N19
Farm mutual insurance.

Taxation

- 80046 BEAN, P. R., and LOCKWOOD, A. Rating valuation practice. Ed. 2. London, Stevens, 1950. 343 p. 284.5 B37
Contains provisions for agricultural land and buildings.
- 80047 BREAZEALE, B. S. The tobacco products tax. Natl. Tobacco Tax Conf. Proc. 24:15-17. 1950. 284.59 N214
- 80048 HANSEN, E. Virkningerne for realkrediten af det offentlige inddragning af grundvaerdierne. Dansk redegørelse [Effect on real credit of the national abolition of land value taxation. Danish report]. København, 1950. 114 p. 282.173 H19
Includes farm land.
- 80049 HART, S. H. Bureau issues new capital gains ruling on sale of livestock. Mont. Wool Grower 20(8):10-11. Aug. 1951. 45.8 M762
- 80050 HART, S. H. Capital gains bill passes U. S. House. Poland China World 38(7):49. Aug. 1951. 46.8 Sw62
- 80051 HEIM. Umsatzsteuer für nichtbuchführende landwirte 1951. Bad. Landwirt. Wchnbl. 118:231. Apr. 14, 1951. 18 B142
- 80052 HENGL, F. Verhandlungen über die getrankesteuer-kontrolle in den wiener randgemeinden abgeschlossen. Osterr. Weinztg. 6:47. Apr. 10, 1951. 390.8 Os7
Wine.
- 80053 LASSER, J. K. Farmer's tax handbook. New York, Prentice-Hall, 1950. 252 p. 284.5 L33F
- 80054 LE CLAIR, P. La situation des coopératives au regard des taxes sur le chiffre d'affaires et des taxes parafiscales. Rev. de Lég. Agr. 4:80-83. Apr./May 1951. 281.8 R325
France.
- 80055 MANZINO, G. Objective changes. (In Italian.) Genio Rur. 14:289-313. May/June 1951. 281.8 R522
Variations in the state of and in returns from land as part of the cadastral survey.
- 80056 MILLER, D. C. Sales-tax progressivity attributable to a food exemption. Natl. Tax J. 4:148-159. June 1951. 284.58 N212
- 80057 NATIONAL TOBACCO TAX ASSOCIATION. Proceedings of the twenty-fourth annual meeting, 1950. Chicago, 1950. 43 p. 284.59 N214
- 80058 REED, D. A. Report on NTEA. Ohio Farm Bur. News 30(10):10-11, 30-31. May 1951. 6 Oh34
The National Tax Equality Association and its opposition to farm cooperatives.
- 80059 RUST, I. The tax status of farmers' cooperatives in Hawaii. Hawaii. U. Agr. Ext. C. 310,9 p. June 1951. 275.29 H312Ac
- 80060 SCHIETHART, L. J. Definitive regulation in regard to deduction on account of soil exhaustion in Heffingen Ineens. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 62:168-171. June 1951. 12 N282
Assessment for taxation.
- 80061 STRUNZ, H. Die durchführung der pauschalieren steuerberechnung. Osterr. Bauernbündler 7(27):3. (Cont.) July 7, 1951. 19 Os7
Also in Burgenländische Bauernbündler 4(15):4-5. July 10, 1951. 19 B91

AGRICULTURAL LABOR AND WAGES

- 80062 BARKER, G. R. Soviet labour. Birmingham. U. Dept. Econ. & Inst. U.S.S.R. B. Soviet Econ. Develpmt. (ser.2)6,28 p. Ref. June 1951. 280.9 B532
Includes problems of agricultural labor.
- 80063 BLASCH, J. Landarbeiter—landarbeitstechnik—landmaschine. Österr. Landtech. 4:3-5. Jan.1951. 58.8 L236
- 80064 BROWN, L. H., comp. Farm labor; report to Growers' and Processors' Committee. Summary of research work in progress and plans for future projects and activities by Michigan State College which have a bearing on increasing farm labor efficiency and improving employer relationships on farms. Washington, U. S. Ext. Serv., 1951. 11 p. 1.913 S2F224
- 80065 CHIOCCI, A. Production and agricultural contracts. (In Italian.) Mondo Agr. 2(25):5. June 24, 1951. 16 M74
Italy.
- 80066 COMAN, E. L. Supplemental farm labor. Calif. Citrog. 36:470. Sept.1951. 80 C125
Mexican labor.
- 80067 GIUFFRÉ, G. Tormenting fatigue in Sicilian reapers. (In Italian.) Lotte Contadine 2(10):10. June 10, 1951. 16 L91
Need for welfare measures.
- 80068 GONZALEZ GALINDO, A. 8,500 expedientes tramitados y cuatro millones de pesetas de indemnizaciones por reclamaciones laborales. Rev. Sind. de Estadfs. 6(21):75-76. First Q.1951. 263 Es8B
Settlement of labor disputes in Spain.
- 80069 GRABO, P. Work performance of the farm wife. (In Swedish.) Lantmannen 35:455-456. June 9, 1951. 11 L234
Sweden.
- 80070 HAOUAT, H. La législation sociale agricole et les particularités du milieu rural en Tunisie. B. Econ. et Social de la Tunisie 52:65-72. May 1951. 280.8 B874
Labor legislation.
- 80071 HECKER, B. Bäuerliche Jugend im Leistungswettbewerb; bericht über das landesleistungsmelken in Grub am 6./7. 11. 1950. Bayaria. Landesanst. f. Tierzucht in Grub. Mitt. 11/12:15-18. 1951. 49 B32
- 80072 INTERNATIONAL ASSOCIATION OF GOVERNMENTAL LABOR OFFICIALS. Proceedings of the thirty-third convention, Boston, September 18-20, 1950; labor laws and their administration. U. S. Dept. Labor. Bur. Labor Standards. B. 145,216 p. 1950. 158.58 B87
- 80073 INTERNATIONAL LANDWORKERS' FEDERATION. The agricultural workers, 1951, and the international labour conferences; conventions and recommendations dealing with labour problems in agriculture. Utrecht, 1951. 68 p. 283 In87A
- 80074 KAAS, J. Die n.-ö. landarbeitsordnung. Landwirtschaft 1951:155-156, 188-190. (Cont.) May-June/July 1951. 19 L235
Austria.
- 80075 KELLY, B. W., and KEEPPER, W. E. Labor expended on dairy cows varies; savings possible in time and travel. Sci. Farmer [Pa. Sta.] 1951:2-3. June 1951. 100 P381
- 80076 KLOEPPEL, R. Ueber rüst-, neben- und verlustzeiten. Neue Mitt. f. die Landwirt. 6:334-335. May 26, 1951. 18 N39
Labor in Germany.
- 80077 KUBEL, Landarbeit im umbruch. Deut. Landwirt. Presse 74:173. July 7, 1951. 18 D482
- 80078 LASBURY, R. C., JR. Farm labor. Conn. Dairymen's Assoc. Rpt. Proc. 70:61-70. 1951. 44.9 C769
- 80079 LINZ, G. Welche tarife gelten für den frucht-grosshandel? Früchte u. Gemüse Markt 3(18):14. May 5, 1951. 286.83 F9425
Germany.
- 80080 LÜTH, U. Steigender lohn und seine auswirkungen. Neue Mitt. f. die Landwirt. 6:466-467. July 14, 1951. 18 N39
Effects on production costs in Germany.
- 80081 MARCONNIER, E. S. Agricultural child labor in the United States. U. S. Dept. Labor. Bur. Labor Standards. B. 145:33-49. 1950. 158.58 B87
Includes discussion.
- 80082 MAZZOLI, G. The rice workers struggle for existence. (In Italian.) Lotte Contadine 2(11):4. June 25, 1951. 16 L91
Italy.
- 80083 MELSE, J. K. Maximum production and labor supply in agriculture. (In Dutch.) Landbode 5(19):1. May 12, 1951. 12 L234
Netherlands.
- 80084 PEDLEY, W. H. Labour supply to agriculture in England and Wales. Land Worker 32(386):5,4. July 1951. 283.8 L22
- 80085 PFISTERER, Neuregelung der landwirtschaftlichen löhne. Bad. Landwirt. Wchnbl. 118:246-247. Apr. 21, 1951. 18 B142
- 80086 POND, R. K. The labor situation. (Sum.) No-east. Dairy Conf. Annu. Rpt. 16:25-26. 1951. 44.9 N818
- 80087 PREUSCHEN, G. Zur bewertung des arbeitsaufwandes im kuhstall. Tierzüchter 3:334-336. June 20, 1951. 49 T445
- 80088 RAMADORO, A. Unemployment and agrarian reform. (In Italian.) Agr. Ital. 2:276-278. June 1, 1951. 16 Ag822
- 80089 READ, H. How would you like to be your hired man? Successful Farming 49(8):31,66-67. Aug.1951. 6 Su12
- 80090 ROSSI DI MEDELANA, D. Unemployment in agriculture; its causes and possible remedies. (In Italian.) Rass. dell'Agr. Ital. 6(6):7-9. June 1951. 281.8 R18
- 80091 ROULEAU, L. La réglementation du travail en agriculture. France. Min. de l'Agr. B. Tech. d'Inform. 58:299-303. Apr.1951. 14 F844B
- 80092 SCHAAP, W. G. Labor question. (In Afrikaans.) Primary Prod. [Cape Town] 27(13):7. June 29, 1951. 281.8 P93
Union of South Africa.
- 80093 SCHMOLKE, C. W. Native needs agricultural, not academic training. Rhodesian Tobacco J. 2(6):55-57. June 1950. 69.8 R34
- 80094 U. S. PRESIDENT (H. S. TRUMAN). Congress asked for further measures on illegal entry of migrant workers; violations of contract terms with Mexico cause concern; message of the President to the Congress. U. S. Dept. State. B. 25:197-199. July 30, 1951. 150 B87
- 80095 VIGNEROT, M. Comment réaliser l'allègement du travail féminin à la campagne. Cahiers des Ingén. Agron. 6:16-17. First Q. 1951. 14 C112
France.
- 80096 WINDISCH, K. Aus der kärntner landarbeitsordnung. Kärntner Bauer 101:279-281. May 15, 1951. 19 K14
- 80097 ZAPPI RECORDATI, A. Words to the wind? (In Italian.) Rass. dell'Agr. Ital. 6(5):1-3. May 1951. 281.8 R18
Legislation regarding working mothers.

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

- 80098 ALVAREZ ESTEBAN, J. Abonos y semillas se necesitan en La Coruña para incrementar la producción del maíz, las patatas y los pastos. Aliment. Nac. 11(192):8-9,16. May 25, 1951. 389.8 AL42
Agricultural policy.
- 80099 ALVAREZ ESTEBAN, J. Piensos para el ganado y roturación de 6.000 has. son algunas de las mejoras que necesita Vizcaya. Aliment. Nac. 11(191):10-11, 18. May 10, 1951. 389.8 AL42
Agricultural policy.
- 80100 ANTONIOU, Y. Dutch impressions. Countryman [Nicosia] 5(6):12-15. June 1951. 25 C83
Agriculture.
- 80101 ARANETA, S. Controls as an instrument of agricultural policy. Sugar News [Manila] 27:224-227. May 1951. 65.8 Su36
- 80102 ARANGO, R. Actividades primaverales. Acción Agr. [Habana] 1(4):23. Apr.1951. 8 Ac22
Agricultural policy for Cuba.
- 80103 BAKKER, T. Agriculture in England in the spring of 1951. (In Dutch.) Landb. Wereidnieuws 6:391-393. June 23, 1951. 12 L237
- 80104 BARBA, L. DELLA. Glance at the 1949-1950 season. (In Italian.) Agr. Ferrarese 54:272-273. Dec.31, 1950. 16 Ag87
- 80105 BARGUES, R. La modernisation rurale à Madagascar. Soc. Belge d'Études et d'Expansion. B. Trimes. 50:472-476. May/July 1951. 280.8 So17
- 80106 BEDEKAR, S. K. Some problems of rural development administration. Indian J. Agr. Econ. 6(1,pt.2) 112-115. Mar.1951. 281.8 In2
- 80107 BELGIUM. MINISTÈRE DES COLONIES. Rapport sur l'administration belge du Ruanda-Urundi pendant l'année 1950. Bruxelles, 1951. 387 p. 270 B41
Includes agriculture.
- 80108 BELLET, J. En Côte d'Or, le Chatillonnais et son évolution agricole. B. des Engrais 330:77-79. Apr.1951. 57.8 B87

- 80109 BERMÚDEZ E., S. R. Nuestra agricultura. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(65):21-24. (Cont.) Jan./Mar.1951. 9.5 M31
- 80110 BERTHAULT. Quelques aspects des problèmes agricoles en Algérie. Acad. d'Agr. de France. Compt. Rend. 37:323-327. May 30,1951. 14 P215Bc
- 80111 BLANCO M., G. Coordinación y defensa internacional de la producción agrícola mexicana. Tierra [México] 6:304-305. May 1951. 8 T445
- 80112 BLUM, H. Die landwirtschaft im Ruhrgebiet. In Bonn. Institut für Raumforschung. Ordnung und planung im Ruhr-raum, p.68-72. Dortmund,Ardey,1951. 280.175 B643
- 80113 BOLHUIS, G. G. Enige aspecten van de voedsellandbouw op Java en Madura in de periode 1921-1941 [Aspects of food production in Java and Madura in the 1921-1941 period]. Wageningen,Veenman,1950. 12 p. 37 B63
- 80114 BONDEN, K. The farmers and the current situation. (In Norwegian.) Norges Bondebl. 41(13):2. (Cont.) July 4,1951. 11 N763
- 80115 BOUCHARD, F. L'avenir de l'agriculture. Bouches du Rhône Agr. 23(1051):1. May 15,1951. 14 B662
- 80116 BRANNAN, C. F. Defense production guides important for co-ops, too. Grain Prod. News 4(2):20. July 1951. 286.81 G764
- 80117 BRANNAN, C. F. The treasure of the South. Washington, U. S. D. A., Off. Sec.,1951. 14 p. 1.91 A2B73
Talk before Mid-South Cotton Growers Association, Memphis, Tenn., June 26, 1951.
Agriculture in the Southern States.
- 80118 BRANNAN, C. F. USDA's program. Farm Policy Forum 4(7):7-10. July 1951. 281.8 F2274
Condensed from Congressional hearing.
- 80119 BRAYNE, F. L. Village ABC; 456 brief hints on rural reconstruction. Bombay,Oxford U. Press,1950. 136 p. 281.182 B73V
An agricultural dictionary.
- 80120 BURROWS, A. J. Romney Marsh. Roy. Inst. Chartered Surveyors J. 31:12-26. July 1951. 282.9 C38J
Includes the agriculture of the area.
- 80121 BUTLER, E. What's happened to Valley farming? Hard hit by the February freeze, the Lower Rio Grande Valley has turned to cotton to restore prosperity. Prog. Farmer, Tex. Ed. 66(8):15,67-68. Aug.1951. 6 T311
- 80122 CEPEDE, M., and GRAVIER, J. F. L'agriculture dans l'économie française et européenne. In Collection Droit Social. Les aspects économiques techniques et sociaux de l'expansion agricole, p.1-4. Paris,Librairie Sociale et Économique,1950. 281.174 C68
- 80123 CEYLON. Report of the three agricultural officers sent to Australia on an agricultural tour. Colombo,Ceylon Govt. Press,1950. 135 p. (Ceylon. Sessional Paper 14, 1950) 36 C33
Report signed: S. K. Thuraisingham, C. R. Karunaratne, and P. T. Jinendradasa.
- 80124 COOPER, M. M. If we want food we must have full-cock farming. Dairy Farmer 24(8):13-14. Aug.1951. 44.8 D1414
England.
- 80125 CRESSEY, G. B. Asia's lands and peoples; a geography of one-third the earth and two-thirds its people. Ed. 2. New York,McGraw-Hill,1951. 597 p. (McGraw-Hill Series in Geography) 278.18 C86
Contains chapters on agriculture.
- 80126 CROUSE, E. F. Go ahead and farm. Breeder's Gaz. 116(8):5,28. Aug.1951. 49 B74
Agricultural outlook and government controls.
- 80127 DALMASSO, G. Emigration yes, but meanwhile let us intensify agricultural production. (In Italian.) Colt. e Glor. Vinc. Ital. 97:145-146. May 31,1951. 16 C72
- 80128 DATEY, C. D. Administrative machinery for economic reconstruction of rural areas in Madhya Pradesh. Indian J. Agr. Econ. 6(1,pt.2):116-121. Mar.1951. 281.8 I2
- 80129 DE BRIEY, P. Industrialisation and social problems in Central Africa. Internatl. Labour Rev. 63:475-506. May 1951. 283.8 I28
Includes problems of agriculture.
- 80130 DEKKER, W. J. M. The bill for the Agricultural Law and Swiss foreign trade. (In Dutch.) Landb. Wereldnieuws 6:394-395. June 23,1951. 12 L237
- 80131 DEKKER, W. J. M. Survey of the agriculture of Switzerland. (In Dutch.) Landb. Wereldnieuws 6:443-444. July 14,1951. 12 L237
- 80132 DEKKER, W. J. M. Switzerland and the Pfimlin Plan. (In Dutch.) Landb. Wereldnieuws 6:329-331. May 26,1951. 12 L237
Includes marketing and prices.
- 80133 DENTS, A. Projets de réformes en faveur de l'agriculture et de l'horticulture. Cour. Hort. 13:195. Apr.1951. 80 C834
Benelux countries.
- 80134 ELEAZER, J. M. Ten forward steps in 1951. Prog. Farmer, Carolinas-Va. Ed. 66(8):18. Aug.1951. 6 P945
The agricultural situation in South Carolina.
- 80135 ENGLEDDOW, SIR F. L. Report to the Minister of Agriculture and Lands on the agricultural development of Southern Rhodesia. Salisbury,Rhodesian Printing and Pub.,1950. 132 p. 281.19 E23
- 80136 FEROLDI, F. The problem of supplies. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Stat. 4(4):5-16. Apr.1951. 280.9 M587B
Includes agricultural supplies.
- 80137 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. DANISH NATIONAL FAO-COMMITTEE. Report to the Food and Agriculture Organization of the United Nations (FAO). n.p., 1951. 107 p. 389.9 F7353Da
- 80138 FORSTER, E. S. Columella and his Latin treatise on agriculture. Greece & Rome 19:123-128. Oct.1950. 30.8 F77
- 80139 FRANCE. MINISTÈRE DE L'AGRICULTURE. L'évolution du droit en 1950 et l'agriculture; l'équipement rural. France. Min. de l'Agr. Rev. Inform. Juridique et Sociale 57:69,71,73-74. Apr.1951. 281.8 F84
- 80140 FRAUENDORFER, S. VON. Relief measures in favour of low-income farmers in Europe. Bombay, Indian Soc. Agr. Econ.,1951. 50 p. 281.17 F86
- 80141 FRIETEMA, H. J. European agricultural policy. (In Dutch.) Econ.-Statist. Ber. 36:537-539. July 18,1951. 280.8 Ec722
- 80142 FUGLSANG, V. Ikke krig - men, jord og arbejde [Not war—but land and work]. København,Forlaget Tiden,1950. 29 p. 56 F952
The Communist's program.
- 80143 FÜLLBERG. Die wirklichkeit. Hannoversche Land- u. Forstwirtschaft. Ztg. 103:1136. Dec.16,1950. 18 H194
Agricultural situation.
- 80144 FULMER, J. L. The effect of domestic policy on the southern agricultural problem. South. Econ. J. 18:11-29. July 1951. 280.8 So84
- 80145 GARCIA-BADELL, G. Los clásicos de la agricultura, Abu-Zaccaria y los conocimientos agrícolas de los árabes españoles. Sind. Vertical del Azúcar. B. de Inform. 5(50):4-5. Feb.1951. 65.9 S16
- 80146 GARRELD, H. Aspects of present agricultural policy. (In Dutch.) Landbode 5(25):1. June 23,1951. 12 L234
Netherlands.
- 80147 GAUTIER, J. Il faut repenser notre politique agricole en A.E.F. Marchés Colon. 7:1753-1755,1813-1815. (Cont.) June 30- July 7,1951. 286.8 M33
- 80148 GAVRILOV, V. I. Fundamental problems of further development of agriculture in Baraba Lowland. (In Russian.) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok. 12:238-244. 1950. 20 M875
- 80149 GERMANY (TERRITORY UNDER ALLIED OCCUPATION, 1945-) OFF. OF LAND COMMISSIONER FOR BAVARIA. ECONOMIC AFFAIRS DIV. The food, agriculture and forestry situation and program, Bavaria and Western Germany; handbook & digest. Munich?1950. 42 p. 173.3 L22
- 80150 GLASS, L. S. Adverse weather conditions affect Portuguese agricultural output. Foreign Trade 10:75-76. July 21,1951. 286.8 C162
- 80151 GLOVER, J. G., and CORNELL, W. B., eds. The development of American Industries; their economic significance. Ed. 3. New York,Prentice-Hall,1951. 1121 p. 277.12 G51
Includes agriculture and agricultural products.
- 80152 GOMES, P. Brazil and Africa. (In Portuguese.) Bras. Acucareiro 36:446-448. Oct.1950. 65.8 B73
Includes agriculture.
- 80153 GT. BRIT. COLONIAL OFF. Hong Kong annual report, 1950. London,1951. 139 p. (Colonial Reports.) 256.02 C71
Includes agriculture.
- 80154 GRUBER, H. Vielleicht geht es ohne klassen-kampf? Allg. Bauern-Ztg. 6(21):1-2. May 26,1951. 19 K142
Agricultural policy for Austria.

80155 GUERIN, B. C. DE. Agriculture and horticulture on the Channel Islands. *Brit. Agr. B.* 4:102-104,107-109. July 1951. 10 B776

80156 GUIMARAES, A. The interior of Rio de Janeiro. (In Portuguese.) *Observador Econ. e Financ.* 16(183):52-63. Apr.1951. 280.8 Ob72
Agriculture.

80157 HAGE, C. North Beveland. (In Dutch.) *Tijdschr. v. Econ. en Sociale Geog.* 42:86-97. Apr.1951. 280.8 T44

English summary.

Includes agriculture.

80158 HALL, D. M. Program building. I. Co. Agent & Vo-Ag Teacher 7(4):7-8. Apr.1951. 275.28 N213

80159 HARRIS, C. G. Uruguay; economic and commercial conditions in Uruguay. London, Board of Trade, 1950. 34 p. (Overseas Econ. Surveys.) 255.7 G79R
Includes agriculture.

80160 HARSDORF, K. VON. Politik des kranken Mannes. *Deut. Landwirt. Presse* 74:159-160. June 16, 1951. 18 D482

Agricultural policy.

80161 HAYTHORNE, G. V. A program for agriculture in the Maritime economy. *Canad. Agr. Econ. Soc. Proc.* 20:61-77. 1950. 281.9 C16

Includes discussions,p.73-77.

80162 HELLING, G. Die entwicklung der agrarproduktion nach den beiden weltkriegen. *Deut. Wirtinst. Ber.* 2(9),12 p. 1951. 280.9 B453

80163 HERMANSSON, A. Gotland is not favored from a marketing point of view; an interview with the farmer Anders Hermansson, Havor, Gotland. (In Swedish.) *Lantmannen* 35:533-534. July 7,1951. 11 L234
Agriculture on Gotland.

80164 HERTZBERG. Die landwirtschaft in Jugoslawien. *Übersicht* 2(3):12-13. July 1951. 18 Ub3

80165 HOBSON, K. Keeping up on the farm outlook. *Wash. State Col. Ext. C.* 196,6 p.-folder. July 31,1951. 275.29 W27C

80166 HOMAN, H. P. L. Cultural improvements and industrialization must improve Friesland's welfare. (In Dutch.) *Plattelands-Post* 7(26):1-2. June 30,1951. 12 P69

Agricultural policy.

80167 HOPE, E. C. Food surpluses and agricultural policy. *Canad. Agr. Econ. Soc. Proc.* 20:15-39. 1950. 281.9 C16

Includes discussions,p.26-39.

80168 HERRING, J. Agriculture works for a market of millions. (In Dutch.) (Excerpts.) *Plattelands-Post* 7(27):1-2. July 7,1951. 12 P69

In the United States.

80169 HOUDET, M. Les perspectives de l'agriculture française. In *Collection Droit Social. Les aspects économiques techniques et sociaux de l'expansion agricole*, p.41-47. Paris,Librairie Sociale et Économique, 1950. 281.174 C68

80170 INGERS, G. Among grapes and apricots. (In Swedish.) *Lanthemmet* 2(14):8-9. July 28,1951. 281.28 L29

Agriculture in France.

80171 INTERNATIONAL agencies. II. FAO and technical assistance. *Caribbean Comn. Mon. B.* 4:846-850. July 1951. 280.9 C19

80172 JENSEN, E. V. Grain, wine, tobacco and wool. (In Danish.) *Andelsbladet* 52:893-895. July 28,1951. 280.28 An2

Agriculture and cooperative organizations in the Union of South Africa.

80173 JIMENEZ, M. El viaje de estudios agrícolas a los Estados Unidos de Norte America. *Agr. Trop.* 6(11):43-45. Nov.1950. 26 Ag8

80174 JOHNS, D. C. Arkansas and the defense program. *Ark. Banker* 35(4):12,15-19. July 1951. 284.8 Ar4

Includes the defense program as it affects farmers.

80175 JOINT COMMISSION ON RURAL RECONSTRUCTION IN CHINA (U. S. AND CHINA). The program of the Joint Commission on Rural Reconstruction in China; its organization, accomplishments, and lessons for rural reconstruction elsewhere in Asia. Washington,Econ. Coop. Admin.,1951? 40 p. 173.2 Ec72Prc

80176 KELANEY, M. A. 'al-Zira 'atu wa nasibuha fi 'l- 'in'ashi 'l- 'iqtisadi fi Misra [Agriculture and its place in the economic restoration in Egypt]. Cairo,Egypt. Min. Agr.,1950. 13 p. 35.2 K27

80177 KIRCHGÄSSNER, A. Die art an der volkswurzel! Ist das deutsche volk auf dem wege, seine bauern und ihre harte arbeit zu vergessen? *Bauern-Ztg.* 4(27):1-2. (Cont.) July 6,1951. 18 B324
Germany.

80178 KNAUS, K. Agriculture large but not strong. *Karachi Com.* 4(15):3-4. May 5,1951. 280.8 K14

80179 KOHLS, R. L., and PAARLBERG, D. The short time response of agricultural production to price and other factors. *Ind. Agr. Expt. Sta. B.* 555,42 p. Oct.1950. 100 In2P

80180 KUPERUS, G. H. Promotion of industrialization will have no important effect on agriculture. (In Dutch.) *Plattelands-Post* 7(26):3. June 30,1951. 12 P69

80181 LATIN AMERICAN REGIONAL MEETING ON FOOD AND AGRICULTURAL PROGRAMS AND OUTLOOK. 2d, MONTEVIDEO, 1950. Agriculture in Latin America: current development and prospects; two reports of the second Regional Meeting on Food and Agricultural Programs and Outlook in Latin America, Montevideo, Uruguay, December 1950. Washington, Food and Agr. Organ. United Nations,1951. 169 p. 281.16 L34

80182 LIGUTTI, L. G. Building democracy on the Golden Rule. *Natl. Farm Inst. Proc.* 13:78-82. 1951. 4 N219

Includes discussion of relief for small farmers.

80183 LIMA, R. The platform of the present Government of the Republic. (In Portuguese.) *Observador Econ. e Financ.* 16(183):25-33. Apr.1951. 280.8 Ob72
Includes agricultural program for Brazil.

80184 LIMBERGER. Die landwirtschaft im oberen Linzgau. *Bauern Ztg.* 4(28):9. July 13,1951. 18 B324

80185 LONGO, G. The determination of increased agricultural production following works of reclamation, irrigation, and expropriation. (In Italian.) *Cam. di Com. Indus. e Agr. Foggia. Not. Mens.* 7(5):3-6. May 1951. 287 F68

80186 MCEWEN, J. Address to the Australian Agricultural Council. *Overseas Rpt. Agr. Devlpmt.* 2:1-9. July 1951. 281.9 C1642O

On agricultural situation and policy.

80187 MAESTRACCI, P. Aspects économiques de la politique d'expansion agricole. In *Collection Droit Social. Les aspects économiques techniques et sociaux de l'expansion agricole*, p.10-19. Paris,Librairie Sociale et Économique,1950. 281.174 C68
France.

80188 MATZ, S. Bidrag till tolkning av näringsfrihets förordningen [Contribution to the interpretation of the regulation with regard to liberty of industry]. Stockholm,Norstedt,1950. 86 p. 280.173 M43
Includes agriculture.

80189 MAURITIUS. FOOD PRODUCTION BOARD. Fifth progress report 1949-50. Port Louis,1951. 26 p. 24 M444

Aspects of agriculture.

80190 MÜLLER, G. Die deutschen notstandsgebiete 1951. IV. Das "Teufelsmoor" in Niedersachsen als beispiel eines landwirtschaftlichen notstandsgebietes. *Inst. f. Raumforsch. Inform.* 18/51:1-4. May 15,1951. 280.9 B6431

An agricultural survey.

80191 NAQVI, K. A., and SINGH, V. B. Administrative machinery for rural reconstruction. *Indian J. Agr. Econ.* 6(1,pt.2):140-144. Mar.1951. 281.8 In2

80192 NATIONAL FARM INSTITUTE. "Our part in building a free world": proceedings, thirteenth, February 16 and 17,1951, Des Moines, Iowa. Des Moines,1951. 120 p. 4 N219

Sponsored by Agricultural Department, Des Moines Chamber of Commerce.

80193 ORDONEZ MARQUEZ, E. Agricultura murciana. *Cám. Ofic. Sind. Agr. de la Prov. de Murcia. B.* 96:2-3;97:6;98:3-6;99:6-10;100:4-7. (Cont.) Oct.1950-Feb. 1951. 15 M93

80194 ORGANIZATION OF AMERICAN STATES. Manual for the use of the delegates to the fourth Inter-American Conference on Agriculture and the second Latin American Regional Meeting on Food and Agricultural Programs and Outlook, Montevideo, Uruguay, December 1,1950. Washington,Pan American Union-FAO, 1950. 185 p. 150.91 M32

80195 PATIL, R. K. Administrative machinery for the economic reconstruction of rural areas. *Indian J. Agr. Econ.* 6(1,pt.2):1-9. Mar.1951. 281.8 In2

Papers with the same title by M. V. Hate, p. 10-19; G. D. Agrawal, p. 20-28; K. G. Sivaswamy, p. 28-42; S. G. Madiman, p. 42-54; S. V. Duraiswami, p. 55-59; H. M. Desai, p. 59-64; N. N. Natarajan, p. 64-71; D. K. Iyengar, p. 72-78; R. Reddi, p. 79-85; and B. Natarajan, p. 103-111.

- 80196 PENDERS, J. M. A. Agriculture in Finland. I. World Crops 3:319-322. Aug. 1951. 281.8 W892
- 80197 PETERS, D. U. Land usage in Serenje District. London, Oxford U. Press, 1950. 99 p. (Rhodes-Livingston Papers, No. 19) 282.19 P44 Agriculture.
- 80198 PEZZI, A. Provisions indispensables for ending the "depression" in eastern mountain Liguria. (In Italian.) Spezia Agr. 6(5):1. May 1, 1951. 16 Sp3
- 80199 PINSTRUP, H. Agriculture and Denmark's economic situation. (In Danish.) Dansk Landbr. 70:310-311, 325-326. (Cont.) July 5-12, 1951. 280.28 V91
- 80200 PINXTEN, K. L'agriculture belge en 1950. Louvain. U. Catholique. Inst. de Rech. Econ. et Sociales. B. 17:337-364. May 1951. 280.9 L92
- 80201 POLEE, A. C. T. Through the countryside of West Europe. (In Dutch.) Landbode 5(26):2; (27):8. June 30-July 7, 1951. 12 L234
Installments deal respectively with Switzerland and Alsace and the Black Forest.
- 80202 POMAR, L. M. Mis impresiones sobre Italia. Balearic Isl. Diputación Prov. B. de Agr. 75:1-2; 76:10-11. Dec. 1950-Jan. 1951. 15 B19 Agricultural.
- 80203 PRIOR, K. H. An agricultural missionary looks at Point IV. Rur. Missions 79:5. Summer 1951. 281.28 Ag8
- 80204 RAMAN, K. S. V. Rehabilitation in the Damodar Valley. Natl. Inst. Sci. India. Proc. 16:565-568. Nov./Dec. 1950. 513 N212
- 80205 ROLLI, A. A new agricultural policy outlined by the Senatorial Commission. (In Italian.) Mezzogiorno Agr. 7(25):1. June 24/30, 1951. 16 M57
- 80206 ROTTENBERG, S. The economy of Antigua. Caribbean Comn. Mon. B. 4:851-855. July 1951. 280.9 C19
Agriculture and the sugar industry.
- 80207 ROYAL INSTITUTE OF INTERNATIONAL AFFAIRS. INFORMATION DEPT. The Middle East; a political and economic survey. London, 1950. 496 p. Ref. 280.185 R81M
Contains references to agriculture for which the index should be consulted.
- 80208 SACCHI, G. New provisions for the Italian mountain areas. (In Italian.) B. dell'Agr. 85(2):2-3. Jan. 28, 1951. 16 B87
Also in Placenza Agr. 7(2):3. Jan. 31, 1951. 281.8 P57
- 80209 SAJA, F. Agriculture and industry. (In Italian.) B. dell'Agr. 85(1):1. Jan. 12, 1951. 16 B87
Situation and policy for Italy.
- 80210 SALVADORI, M. Italy. Foreign Policy Assoc. Headline Ser. 87:3-53. May/June 1951. 280.9 F76H
Includes agriculture.
- 80211 SANTAELLA, J. R. Landwirtschaft jenseits der Pyrenäen. Übersicht 2(2):27-30. Apr. 1951. 18 Ub3 Spain.
- 80212 SCHNEIDER. Agrarpolitische tagesfragen. Bad. Landwirt. Wchnbl. 118:393-394. June 30, 1951. 18 B142
- 80213 SCHNEIDER, K. Die deutschen notstandsgebiete 1951. VI. Das notstandsgebiet Westerwald. Inst. f. Raumforsch. Inform. 22/23:1-6. June 11, 1951. 280.9 B6431
Agricultural.
- 80214 SCOTT, R. D. Winning new acres; mobilising our marginal land. Ashford, Conserv. Polit. Cent., 1951. 32 p. (C.P.C., No. 100) 32 Sco84
- 80215 SHAH, K. C. Schemes for rural reconstruction. Indian J. Agr. Econ. 6(1, pt. 2):85-102. Mar. 1951. 281.8 In2
- 80216 SHARP, P. F. Food and agriculture. Food Technol. 5(8):6, 8. Aug. 1951. 389.8 F7398
- 80217 SHIVALKAR, R. S. Administrative machinery for rural reconstruction. Indian J. Agr. Econ. 6(1, pt. 2):136-140. Mar. 1951. 281.8 In2
- 80218 SIELING, D. H. Massachusetts streamlines agricultural services. Farm Bur. Mass., May 1951:9, 20. 275.293 Mass
- 80219 SINGH, D. P. Reorganisation of the development set-up. Indian J. Agr. Econ. 6(1, pt. 2):121-136. Mar. 1951. 281.8 In2
- 80220 SINISCALCHI, A. Protection of the Libyan agricultural economy. (In Italian.) Affrica 5:201-204. Sept. 1950. 280.8 Af2
- 80221 SJÖBECK, M. How the farmer shaped Småland. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. Natur i Småland, p. 39-44. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
- 80222 SPIESS, P. Die dänische landwirtschaft. Landwirt. Z. der Nord-Rheinprov. 118:565. June 30, 1951. 18 L2344
- 80223 STANDARD BANK VAN SUID-AFRIKA. Die handel, nywerhede en die boerdery in Suid- en Oos-Afrika [Trade, industry and farming in South and East Africa]. Standard Bank So. Africa. Maan. Oorsig 386, 29 p. Apr. 1951. 280.9 St2
- 80224 SYMPOSIUM panel—"agriculture and Point Four." Natl. Farm Inst. Proc. 13:88-108. 1951. 4 N219
W. V. Lambert, presiding; statements by G. Hambidge, C. E. Kellogg, and L. I. Hewes, Jr.
- 80225 TESTA, J. Should the Salte Plan be abandoned? (In Portuguese.) São Paulo Supt. dos Serv. do Café. B. 26:277-280. Apr. 1951. 68.29 Sa63
- 80226 TORRES HERRERA, J. M. La Comisaría Especial del Vaupés. Rev. Nac. de Agr. 44(553):15-19. May 1951. 9.4 R32
On the agriculture of Vaupés.
- 80227 TRUJILLO, M. S. Tierra en la Republica. I. El Estado de Veracruz. Tierra [México] 6:232-243. Apr. 1951. 8 T445
Agriculture.
- 80228 UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION. The Haiti pilot project; phase one (1947-1949). Paris, 1951. 83 p. (Its Monographs on Fundamental Education, 4) 281.2 Un37
Its Publication No. 796.
Includes agricultural rehabilitation.
- 80229 U. S. COUNCIL OF ECONOMIC ADVISERS. COMMITTEE ON THE NEW ENGLAND ECONOMY. The New England economy; a report to the president. Washington, 1951. 205 p. 173 C84N
Contains a chapter on agriculture and forestry.
- 80230 U. S. DEPT. OF AGRICULTURE. The agricultural industry, prepared by A. P. Chew and others. In Glover, J. G., and Cornell, W. B., eds. The development of American industries, Ed. 3, p. 25-55. New York, Prentice-Hall, 1951. 277.12 G51
- 80231 U. S. ECONOMIC COOPERATION ADMIN. OFF. OF THE SPECIAL REPRESENTATIVE. DIV. OF FOOD AND AGRICULTURE. Food and agriculture in the European recovery program; a mid-way report. Paris, 1951. 80 p. 173.2 Ec72F00
- 80232 U. S. LIBRARY OF CONGRESS. REFERENCE DEPT. Korea; an annotated bibliography. Washington, 1950. 3 v. 242.91 Un313Ka
v. 1, Publications in western languages, by H. D. Jones, and R. L. Winkler; v. 2, Publications in the Russian language, by A. Parry, J. T. Dorosh, and E. G. Dorosh; v. 3, Publications in Far Eastern languages, by E. G. Beal, Jr., and R. L. Winkler.
Includes agriculture.
- 80233 U. S. PRESIDENT (H. S. TRUMAN). The mid-year economic report of the President transmitted to the Congress, July 23, 1951; together with a report to the President the economic situation at midyear 1951, by the Council of Economic Advisers. Washington, 1951. 278 p. 149 Ec7
Includes agricultural policy, subsidies and food prices, and agricultural production.
- 80234 UPGREN, A. U. S. agriculture in the 20th century. Farm Policy Forum 4(7):18-22. July 1951. 281.8 F2274
- 80235 VERNET, A. Introduction—impressions sur l'agriculture espagnole dans les diverses régions de l'Espagne chaude; le XIII^e Congrès International d'Oléiculture de 1951. Tunisie Agr. 52:67-76. May 1951. 24 T832
- 80236 WAGNER, K. Dokumentation, ein werkzeug zur modernisierung der landwirtschaftlichen industrie. Nachr. f. Dokumentation 2:63-66. June 1951. 240.8 N11
- 80237 WEST PUNJAB. BOARD OF ECONOMIC INQUIRY. Economics of well-irrigation in the Thal. West Punjab. Bd. Econ. Inq. P. 98, 97 p. 1950. 281.9 In2
Discusses the agriculture of the region; includes irrigation costs.
- 80238 WIEBE, G. Reiseeindrücke von der niederländischen landwirtschaft. Übersicht 2(3):25-28. July 1951. 18 Ub3
- 80239 WIELEN, H. G. W. VAN DER. Belgian agriculture. IV. Belgian farmers and their Ministry of Agriculture. (In Dutch.) Landbode 5(25):4. June 23, 1951. 12 L234
- 80240 WILSON, C. M. The Tropics: world of tomorrow. New York, Harper, 1951. 275 p. 128 W69
Includes agriculture.

80241 WOOLFOLK, E. T. Agriculture and banking. Ark. Banker 35(4):22,24,26-29. July 1951. 284.8 Ar4

80242 ZUCCHINI, M. Directions of Ferrara agriculture. (In Italian.) Agr. Ferrarese 54:253-257. Dec.31, 1950. 16 Ag87

Subsidies

80243 MARSAL, J. Les subventions pour l'amélioration, la réparation et l'entretien de l'habitat. Motorisation Agr. 6:209,211,261,263. Mar.-Apr.1951. 58.8 M85

80244 NAPIONE, G. Contributions or not—. (In Italian.) Cron. Econ. 99:33-34. Mar.1951. 280.8 C882
Recovery of payments made to farm owners in Italy.

80245 PROSSER, L. Increase of the mountain economy. (In Italian.) Seme 2:242-243. Nov.1950. 16 Se5
Government subsidies for public works in mountain areas of Italy.

COST AND STANDARD OF LIVING

80246 BLUM, W. R. Dennoch: der lachende dritte! Deut. Landwirt. Presse 74:141. May 19,1951. 18 D482
Farm cost of living.

80247 CHATER, S. W. The key to a higher standard of living. (In Afrikaans.) Primary Prod. [Cape Town] 27(11):27-28. June 1,1951. 281.8 P93

FARM MANAGEMENT AND LAND ECONOMICS

80248 ALBERTA. DEPT. OF LANDS AND FORESTS. Annual report for the fiscal year ended March 31st 1950. Edmonton,1951. 138 p. 280.9 AL17

80249 ALONSO Y MANRESA, O. El Jaguey: tierra de discordia. Acción Agr. [Habana] 1(4):6,48. Apr.1951. 8 Ac22

A Cuban estate.

80250 ASHE, A. J. Farm organization and costs on large dairy farms, New York, 1949-50. N. Y. Agr. Col. A. E. 779,22 p. July 1951. 281.9 C81

80251 BAKKER, H. L'exploitation de fermes dans le Wieringermeer par l'Etat. (In Dutch.) Econ.-Statist. Ber. 36:494-496. July 4,1951. 280.8 Ec722

French summary, p. 491.

80252 BONDURANT, J. H., and MCKINNEY, J. A father-sons agreement that works. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(8):15,75. Aug.1951. 6 P945K

80253 BRUN, M. B. Der kibbuz; die verwirklichung einer illusion? Studie über die gemeinschaftssiedlungen im lande Israel. Zurich, Verlag "Der Scheideweg," 1950. 118 p. 280.2 B83

80254 CAMPBELL, J. A. Report on tour of North of England hill farms: April 1947. In Scotland. Hill Farm Research Committee. Hill farm research; report, p.126-132. Edinburgh, Dept. of Agriculture, 1951. 32 Sco3

80255 CANADA. DEPT. OF RESOURCES AND DEVELOPMENT. Report for the fiscal year ended March 31, 1950. Ottawa, 1951. 148 p. 279.9 C165

Contains reports of the Lands Division of the Development Services Branch and the Forestry Branch.

80256 CANTARELLI, M. Differential payments and share farming contracts. (In Italian.) Lotte Contadine 2(9):7. May 25,1951. 16 L91

Italy.
80257 CARRIAS, P. Les sociétés entre exploitants. Rev. de Lég. Agr. 4:38-43. Ref. Mar.1951. 281.8 R325

France.
80258 CHAMBER OF COMMERCE OF THE UNITED STATES. NATURAL RESOURCES DEPT. Policy declarations on natural resources. Washington, 1951. 35 p. 280.8 C35

Includes Federal lands and forestry.

80259 COSSETTE, M. Des vaches à lait aux vaches à viande. B. des Agr. 47(7):8-9. July 1951. 7 B872
Farm management in Quebec.

80260 COSTA RAMÓN, J. La aparcería en Ibiza. Balearic Isl. Diputación Prov. B. de Agr. 75:12-13. Dec. 1950. 15 B19

80261 COYLE, T. F. Dairymen must cut their costs. East. Feed Merchant 2(8):16-17. Aug.1951. 389.78 Ea7
Farm management.

80262 DOANE AGRICULTURAL SERV., ST. LOUIS. Farming for profit. St. Louis, 1951. 2 p. 31.3 D65
Management.

80263 DU PLESSIS, C. VAN H. Danger of over-capitalization. (In Afrikaans.) Landbouweekblad 33(1665): 21,23. June 13,1951. 24 L232

80264 EBERHARD, A. Beiträge zur anbautechnik im ackerbau. Grüne 79:267-269. Mar.9,1951. 17 Sch9
Switzerland.

80265 FRÖDIN, J. Mountain dairy farming in Gästrikland and the character of the landscape. (In Swedish.) In Persson, E., and Curry-Lindahl, K., eds. Natur i Gästrikland, p.36-45. Stockholm, Bokförlaget Svensk Natur, 1950. 409 P432

80266 FRYMAN, L. R., and SALISBURY, G. W. Relation of production records on cows to efficient management of the dairy farm. J. Dairy Sci. 34:706-711. July 1951. 44.8 J822

80267 GALANG, F. G., and PANGANIBAN, F. C. Some suggestions for a successful farming operation. Agr. & Indus. Life 13(4):4-5,36; (5):6-7,29. Apr.-May 1951. 25 G82
Philippines.

80268 GIBSON, W. L., JR., and HANSING, F. D. Father-son farm agreements. South. Coop. Ser. B. 9, 35 p. Apr.1951. 100 G29So

U. S. Bureau of Agricultural Economics cooperating.

80269 GOUDSWAARD, N. B. Denmark and its farms. II. (In Dutch.) Overlijsselsch Landbbl. 33(1605):4. May 19,1951. 12 Ov2
Dairy farms.

Also in Groninger Landbbl. 29(20):4. May 19,1951.

12 G892; Gelders Landbbl. 14(20):3. May 19,1951.

12 G282; Landbode 5(20):4. May 19,1951. 12 L234

80270 HÅKANSSON, R. Agricultural economic studies in farm environment; current management problems at Grinda farm in Södermanland. (In Swedish.) Lantmannen 35:531-532. July 7,1951. 11 L234

80271 HALLE, J. Keine übersteigerte viehhaltung. Neue Mitt. f. die Landwirt. 6:427-428. June 30,1951. 18 N39

80272 HANLEY, F. The farming of the Black Fens. Gt. Brit. Min. Agr. Agriculture 58:173-176. July 1951. 10 G79J

80273 HARDT-STREMAIR, W. Gedanken zur Intensivierung. Kärntner Bauer 101:363-365. July 1,1951. 19 K14

80274 HARE, H. R. Effective use of farm management data in extension work. Canad. Agr. Econ. Soc. Proc. 20: 138-151. 1950. 281.9 C16

Includes discussions, p.147-151.

80275 HOLMER, O. Theory and practice should be united. (In Swedish.) Lantmannen 35:585-586. July 28, 1951. 11 L234

Farm management.

80276 JACKMAN, E. R. You can't fool the soil. Idaho Farmer 69:514,536. July 5,1951. 6 G282

Conservation farming in Oregon.

Also in Oreg. Farmer 74:447,472. June 21,1951. 6 Or32

80277 JAFFE, S. D. Agriculture in ancient Israel. Pioneer 2(2):8-12. Jan./Feb.1951. 282.28 P65

Farms and farming methods and types.

80278 JUSCAFRESA, B. Un propietario que con sus tierras pretende hacer milagros. Ceres [Valladolid] 16: 11,13. June 1,1951. 15 C33

Importance of proper farm management.

80279 KAHSNITZ, Betriebswirtschaftliche ziele in Schleswig-Holstein. Landwirtbl. Weser-Ems 98:445-448. May 24,1951. 18 L2345

80280 KITCHIN, A. W. M. The Eastern Province. Gt. Brit. Min. Agr. Agriculture 58:159-163. July 1951. 10 G79J

Farming variations and soil types.

80281 KITTS, H. W. Show results of farming with aerial photos. Better Farming Methods 23(9):11-12. Sept.1951. 58.8 B46

80282 KJAR, N. A. M. Further discussion on farm management. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:56-58. Feb.1,1951. 23 T182T

80283 KRAMER, F. Krisensicher. Neue Mitt. f. die Landwirt. 6:457-458. July 14,1951. 18 N39
Farm management in Germany.

80284 LACAN, R. A. Les actions d'apport et l'enregistrement. Rev. de Lég. Agr. 4:47. Mar.1951. 281.8 R325

Farming by associations in France.

80285 LA LOUVIERE, T. G. DE. Manuel d'agriculture. Ed. 15, rev., corr. and enl. Lille, 1951. 632 p. 33.17 L93

Farming methods.

80286 LANDESBauernkammer Schleswig-Holstein, KIEL. Wirtschafts-ergebnisse von 584 bäuerlichen betrieben—187 gutsbetrieben im wirtschaftsjahr 1949/50. Kiel, 1951. 61 p. 265 L23
Statistics.

- 80287 LANG, J. Dairy practices on British farms. Ontario Milk Prod. 27:6. June 1951. 44.8 On8
- 80288 LLOYD, A. G. Farm management and farm records. Agr. Gaz. N. S. Wales 62:233-236. May 1, 1951. 23 N472
- 80289 MCCORMICK, C. J. Help wanted to strengthen family farms. Grain Prod. News 4(2):23-24. July 1951. 286.81 G764
- 80290 MACKIE, M. Report on a visit to Aberdeenshire in July 1948. In Scotland. Hill Farm Research Committee. Hill farm research; report, p.133-134. Edinburgh, Dept. of Agriculture, 1951. 32 Sco3 Hill farming.
- 80291 MALÉZIEUX, R. Observations sur le régime fiscal des sociétés d'exploitations agricoles. Rev. de Lég. Agr. 4:45-47. Mar. 1951. 281.8 R325 France.
- 80292 MEDEM, GRAF. Die aufgaben des Essohofes. Neue Mitt. f. die Landwirt. 6:313-315. May 19, 1951. 18 N39 Management.
- 80293 MONTANARI, V. Importance of services of technical assistance to farmers in the plans undertaken for increasing pastures and forage production in the warm-dry regions of Italy. (In Italian.) Agr. delle Venezie 5: 346-359. July 1951. 16 Ag826
- 80294 MUCKE, K. H. Das gärtnerische betriebskapital; betrachtungen und vorschläge zur rationalisierung des deutschen gartenbaues durch zweckmässigen einsatz des betriebskapitals. Stuttgart, Ulmer, 1950. 306 p. 281.390 M88
- 80295 MULLINS, T., and SLUSHER, M. W. Comparison of farming systems for large rice farms in Arkansas. Ark. Agr. Expt. Sta. B. 509, 37 p. June 1951. 100 Ar42 U. S. Bureau of Agricultural Economics cooperating.
- 80296 MURPHY, D. B. Want to start farming? It can be done!! Iowa Bur. Farmer 15(6):8-9. June 1951. 275.293 Iowa
- 80297 NOILHAN, Une évolution de la législation française vers la reconnaissance juridique de l'unité d'exploitation agricole. Acad. d'Agr. de France. Compt. Rend. 37:249-253. Apr. 11, 1951. 14 P215Bc Includes discussions.
- 80298 NORTH OF SCOTLAND COLLEGE OF AGRICULTURE. Guide to experiments and demonstrations on the Duthie-Craibstone farm (the joint farm of the College and the Rowett Research Institute), Grassland Experimental Centre, Muchalls, Balnastraid Farm, Dinnet, Aldroughty Farm, Elgin, Glensaugh Farm, Fettercairn (by arrangement with the Hill Farm Research Committee), and other centres, 1951. Aberdeen, 1951. 90 p. 103 Ab36G
- 80299 OLALQUIAGA, R. DE. La explotación agrícola de Ventosilla. Asoc. Nac. de Ingen. Agrón. B. 3(12): 8-10. Mar. 1951. 58.9 As5
- 80300 PERDISA, L. Economic aspects and problems of fruit farms. (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:109-117. 1949, pub. 1950. 93.09 C769 English summary.
- 80301 PRAX, A. Métyage et viticulture. Prog. Agr. et Vitic. 136:46-48. July 15/22, 1951. 14 P94 France.
- 80302 PRIEBE, H. Um die richtige intensität. Neue Mitt. f. die Landwirt. 6:425-426. June 30, 1951. 18 N39 Farm management in Germany.
- 80303 QUAGLIOTTI, C. Technical direction of the farm. (In Italian.) Humus 7(5):16-17. May 1951. 16 H88
- 80304 RATINEAU, J. Les conditions techniques de la production agricole française. In Collection Droit Social. Les aspects économiques techniques et sociaux de l'expansion agricole, p.4-10. Paris, Librairie Sociale et Economique, 1950. 281.174 C68
- 80305 RICCHIONI, V. The small farm holding in southern Italy. (In Italian.) Bari U. Facoltà di Agr. Ann. 7:203-209. 1950. 105.4 B232
- 80306 RYTER, R. Toward balanced farming in Africa. Rur. Missions 79:1-2. Summer 1951. 281.28 Ag8
- 80307 SCHAFFNER, L. W. Economics of grain farming in Renville County, North Dakota. N. Dak. Agr. Expt. Sta. B. 367, 45 p. May 1951. 100 N813
- 80308 SCHNEPF, P. Ein leistungsstarker bauernbetrieb. Allgäuer Bauernbl. 19:361-362. July 5, 1951. 18 AL53
- 80309 SEIQUER VELASCO, A. La dirección de cultivo en las aparcerías. Cám. Ofic. Sind. Agr. de la Prov. de Murcia. B. 98:6-8. Dec. 1950. 15 M93
- 80310 SÉRANDOUR, P. Le mirage de la fausse supériorité de la grande exploitation agricole. Monit. Agr. 4(146):1,3. Jan. 28, 1951. 14 M744 France.
- 80311 SERPIERI, A. Discussions on share farming. (In Italian.) Mondo Agr. 2(17):3. Apr. 29, 1951. 16 M74 Italy.
- 80312 SHIER, F. L. The place of the farm animal in wheatbelt husbandry. Westralian Farmers Co-op. Gaz., Stud Stock Sup., May 1951:5-6. 280.28 W522
- 80313 SNOW, B. V. A million pounds a year! Ag colleges might not agree with how he does it—but dairy-men's Frank Miller produces a lot of milk. Dairymen's League News 35(16):3. Aug. 7, 1951. 44.8 D1432 Dairy farm management.
- 80314 STOKSTAD, C. A. How selected specialty crops were produced in the Boise and Payette Valleys of Idaho, 1947. U. S. Bur. Agr. Econ. FM-89, 38 p. June 1951. 1.941 L6F22 Vegetables.
- 80315 STUCKY, H. R. Livestock - share leases. Mont. Stockgrower 23(5):70-73. May 15, 1951. 49 M76
- 80316 TALIB, B. D. Survey of small holding cultivation in Kangra District. East Punjab. Bd. Econ. Inq. P. 11, 63 p. 1951. 281.9 Ea72
- 80317 TALLON, D. Les sociétés entre apporteurs de capitaux et exploitants. Rev. de Lég. Agr. 4:34-38. Mar. 1951. 281.8 R325
- 80318 TALPADE, R. M. Note on visit to three co-operative farming societies in the districts of Satara and Poona. Bombay Co-op. Q. 34:245-248. Apr. 1951. 280.28 B63
- 80319 TERPEND, J. Il faut donner aux exploitations familiales les moyens de vivre. J. de la France Agr. 7: 1629, 1631. July 20/26, 1951. 14 J829
- 80320 THINEY, L. H. Le métyage est-il une société? Rev. de Lég. Agr. 4:43-45. Mar. 1951. 281.8 R325 France.
- 80321 TIEDJENS, V. A. How can truck growers increase their profits? Prog. Farmer, Carolinas-Va. Ed. 66(8):17. Aug. 1951. 6 P945
- 80322 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. For stronger family farms, by C. F. Brannan and K. M. Gapen. Washington, 1951. 3 p. 1.914 R2R11
- 80323 VAN DER MERWE, P. J. From footpath to "gorrel." (In Afrikaans.) Landbouweekblad 33(1661):12-13, 15. May 16, 1951. 24 L322 Migratory farmers in the Union of South Africa.
- 80324 VANSKIKE, D. Farming different in England; a member of the 1951 International Farm Youth Exchange Program for England and Wales, writes a report. Kans. Stockman 36(10):10. Aug. 1951. 49 K134
- 80325 WAYLAND, S. R. Social patterns of farming. New York, Columbia U. Seminar Rur. Life, 1951. 82 p. 281.2 W36
- 80326 WISWESSER. Billige junghennen—der erfolg einer dorgemeinschaft. Bad. Landwirt. Wchnbl. 118:428-429. July 14, 1951. 18 B142 Farm management.
- 80327 ZEMLIANSKII, P. K. Toward further advancement of the agricultural level. (In Russian.) Les i Step' 2(11):76-78. Nov. 1950. 99.8 L565 On collective farms in Buzlukskii District, Chkalov Region.

Bookkeeping and Records

- 80328 DUURSMA, J. Landbouwboekhouden voor scholen en cursussen (met modellen, vragen en opgaven) [Farm bookkeeping for schools and courses (with models, questions and problems)]. Ed. 8. 's-Gravenhage, 1950. 115 p. (Ykema's Serie voor het Lager Land- en Tuinbouwonderwijs) 30.6 D95L
- 80329 HEROLD, W. W. JR. Better farm records are easy to maintain by systematic use of convenient checking accounts. Co. Agent & Vo-Ag Teacher 7(4):10-11, 21. Apr. 1951. 275.28 N213
- 80330 KRISTENSEN, J. Bookkeeping or not. (In Danish.) Dansk Landbr. 70:362-363. Aug. 9, 1951. 280.28 V91
- 80331 SCHRÖDER, M. Produktionskosten. Deut. Landwirt. Presse 74:159. June 16, 1951. 18 D482 Farm bookkeeping.

Costs and Returns

- 80332 ASHE, A. J. What size of herd is most profitable? N. Y. Agr. Col. A. E. 778,14 p. July 1951. 281.9 C81
Costs and returns.
- 80333 BARCELO GARCIA DE PAREDES, A. La explotación huevera en la industria avícola. Balearic Isl. Diputación Prov. B. de Agr. 75:3. Dec.1950. 15 B19
Costs and returns in Spain.
- 80334 BENTIVOGLIO, A. Cost of milk production. (In Italian.) Avvenire Agr. 59:117-118,150-151. (Cont.) May-June 1951. 16 Av9
Italy.
- 80335 BERNUTH, W. VON. Mais oder Futterrüben? Deut. Landwirt. Presse 74:161-162. June 16, 1951. 18 D482
Costs and returns.
- 80336 BLOCH, H. Arborización y rentabilidad. Agr. Trop. 6(11):39-41. Nov.1950. 26 Ag8
Gives costs and returns for walnut planting in Colombia.
- 80337 BRANNAN, C. F. Don't blame the farmer for your high food prices. Grain Prod. News 4(2):13-15. July 1951. 286.81 G764
Farming costs and returns.
- 80338 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Dairy management study, Tulare County, by R. G. Thomas and B. B. Burlingame. Berkeley?1951. 6 p. 275.29 C12En
Income and expenses.
- 80339 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Modoc beef management study, 1950, by A. D. Reed and N. E. Nichols. Berkeley?1951. 6 p. 275.29 C12En
Chiefly costs and returns.
- 80340 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Kings County dairy management study, by B. B. Burlingame and H. S. Etchegaray. Berkeley?1951. 7 p. 275.29 C12En
Costs and returns.
- 80341 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Orange County Valencia orange production cost analysis, by A. Shultis. Berkeley?1951? 17 p. 275.29 C12En
- 80342 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Poultry management cost study, Riverside County; fourth annual report, 1950, by A. D. Reed and L. P. Sharp. Berkeley?1951? 10 p. 275.29 C12En
- 80343 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Second annual walnut management study, Tulare County, by B. B. Burlingame and C. Ferris. Berkeley?1951. 7 p. 275.29 C12En
Costs and returns.
- 80344 CANSTEIN, FREIHERR VON. Der selbstkostenpreis für konsumweine. Weinbau 6:363-364. June 17, 1951. 390.8 W432
Germany.
- 80345 DÍAZ DEL PINO, A. Es buen negocio el cultivo del maíz? Tierra [México] 6:221-223,251. Apr.1951. 8 T445
Includes credit for irrigation and costs and returns in Mexico.
- 80346 EKSTEEN, P. Livestock farmers lose money; comparative costs and returns. (In Afrikaans.) Landbou-weekblad 33(1660):19. May 9, 1951. 24 L232
Union of South Africa.
- 80347 EMILSSON, E. Methodology as regards cost control and cost comparison in the dairy industry. (In Swedish.) Svenska Mejeritidn. 43:181-185,197-198. Ref. Apr.21-28,1951. 44.8 Sv2
- 80348 EMILSSON, E. Profitability of cheese manufacture compared to that of butter manufacture during the period Nov. 1949-Jan. 1951. (In Swedish.) Svenska Mejeritidn. 43:87-90,102-104,107-108. Feb. 24-Mar. 3, 1951. 44.8 Sv2
- 80349 GÜNTART, A. Gegen die milchschwemme. Grüne 79:470-471. Apr.27,1951. 17 Sch9
Chiefly costs and returns of wheat in Switzerland.
- 80350 HEADY, E. O., and ALLEN, C. W. Returns from and capital required for soil conservation farming systems; a study of a specific population of farms and soils. Iowa. Agr. Expt. Sta. Res. B. 381:314-360. May 1951. 100 Io9
- 80351 HEDLIN, R. Farm costs can be cut. Country Guide 70(6):3,37-38. June 1951. 7 G76
Canada.
- 80352 JONES, W. O. A case study in risk distribution: the California lettuce industry. Pacific Coast Econ. Assoc. Proc. 25:74-77. 1951. 280.9 P11
- 80353 KUHLMAN, G. W. Cost of producing filberts and walnuts in Oregon; a progress report. Oreg. Agr. Expt. Sta. C. Inform. 499,9 p. June 1951. 100 Or3C
- 80354 KUHLMAN, G. W. Cost of producing filberts in Oregon. Nowest. Nut Bowl 2(12):1,3-4. June/July 1951. 94.68 N81
- 80355 KÜHNER. Zuckerpreis und rentabilität der bienenwirtschaft. Bienenwarte 4:19-20. Jan.25,1951. 424.8 B4722
Germany.
- 80356 LACEY, J. J. One won't get rich—but there's still a margin. Equity Co-op. Livestock News 15:2,6. Jan.1950. 280.28 Eq5
Costs and returns in swine production.
- 80357 LANG, H., WILLER, A., and BEER, A. Gutachten über kostensteigerungen in der zuckerindustrie des Bundesgebietes. Zucker 4:16-18. Jan.1,1951. 65.8 Z82
- 80358 LANGLOIS, R. Comment réduire le cout des battages. Bouches du Rhône Agr. 23(1055):17. July 15, 1951. 14 B662
- 80359 LEIBFRIED, E. Härten für schwerbeschädigte landwirte. Bad. Landwirt. Wchnbl. 118:409-410. July 7, 1951. 18 B142
Estimation of returns.
- 80360 LIPPMANN, K. Heuschnitt und wirtschaftserfolg. Deut. Landwirt. Presse 74:162. June 16, 1951. 18 D482
Costs of hay types in relation to milk production and costs.
- 80361 LUELMO, J. M. La avicultura: negocio difícil. Ceres [Valladolid] Sup. Inform. 16,i.e.15(438):7-8. May 15,1951. 15 C33
Costs and returns aspects.
- 80362 MACEDO, J. C. M. DA C. DE S. DE. Cost of coffee production in farms of medium and ideal size in Libolo and Dembos, in the year 1947. (In Portuguese.) Agron. Angolana 4:15-64. 1950. 24 Ag83
English summary.
- 80363 MANCHESTER UNIVERSITY. AGRICULTURAL ECONOMICS DEPT. The cost of milk production in north-west England 1949-50. Manchester. U. Agr. Econ. Dept. B. 60/M16,23 p. Mar.1951. 10 V66
- 80364 MOLLETT, J. A. Financial results of grazing cattle in the South Midlands in 1950 with a comparison of results in 1949. Reading, Eng. U. Dept. Agr. Econ. Misc. Cost Studies 18,14 p. Mar.1951. 281.9 R22M
Costs and returns.
- 80365 MONROE, C. F. Net return affected by milk tests; method is shown for comparing profits. Buckeye Dairyman 5(5):5,7. June 1951. 44.8 B85
- 80366 MORRIS, S. T., TYERS, K. G., and COLE, H. General report on the investigation into the economics of milk production in Cornwall, Devon and Dorset: (1) costs, returns and margins, etc. 1949-50; (2) four year comparison 1946-7 to 1949-50. Bristol U. Dept. Econ. Rpt. 65,31 p. June 1951. 281.9 Se1
- 80367 NATIONAL FARMERS' UNION. Results of farm accounts scheme 1949/50. N. F. U. Inform. Serv. Sup. 1,21 p. July 1951. 281.9 N213Na
Costs and returns in Great Britain.
- 80368 NEUNTEUFEL, F. Wirkliche gestehungskosten unseres honigs. Carnika-Züchterring 3:12-13. Jan.1951. 424.8 C21
- 80369 NODLAND, T. R., POND, G. A., and TYVAND, J. A. Annual report of the Southeastern Minnesota Farm Management Service, 1950. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 189,28 p. Apr.1951. 281.9 M66
U. S. Bur. of Agricultural Economics and county extension services cooperating.
Chiefly costs and returns.
- 80370 NODLAND, T. R., POND, G. A., and TYVAND, J. A. Annual report of the Southwestern Minnesota Farm Management Service, 1950. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 190,25 p. May 1951. 281.9 M66
U. S. Bur. of Agricultural Economics and county extension services cooperating.
Chiefly costs and returns.
- 80371 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Financial results of Northern Ireland farming 1949/50. I. General summary. North. Ireland. Min. Agr. Mon. Rpt. 26:80-83. July 1951. 256.13 Ag82M
Costs and returns.

- 80372 PEDERSEN, S. Production and expenses. (In Danish.) *Tolvmandsbladet* 23:193-196,201-202. July 1951. 11 T58
- 80373 PENNSYLVANIA STATE COLLEGE. DEPT. OF AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY. Cost of producing milk. *Dairymen's Price Rptr.* 33(7):8, 10-11,13. July 1951. 280.28 D14
- 80374 PERINI, D. On the cost of production and distribution of fruit in 1948. (In Italian.) *Cong. Naz. di Frutticoltura. Atti* 3:421-449. 1949,pub.1950. 93.09 C769 English summary.
- 80375 PINGREY, H. B. Cost of mechanical harvest of cotton in the Mesilla Valley, New Mexico, 1950. N. Mex. Agr. Expt. Sta. Press B. 1040,13 p. July 1951. 100 N465
- 80376 REED, F. D. Is there more profit in hatching eggs or table eggs? *East. States Coop.* 27(8):10-11. Aug.1951. 280.28 Ea7
- 80377 REINHARDT, Die selbstkosten des ackerbaues. *Landwirt. Z. der Nord-Rheinprov.* 118:620-621. July 14, 1951. 18 L2344
- 80378 RICE, S. T. Interregional competition in the commercial broiler industry. *Del. Agr. Expt. Sta. B.* 290,36 p. Apr.1951. 100 D37S
Production and marketing costs.
- 80379 ROALKVAM, R. Experiments with the production of calves meat. (In Norwegian.) *Norsk Landbr.* 17: 272-276. July 20,1951. 11 N8122.
Costs and returns.
- 80380 RODINO, M. Costs and prices in agriculture. (In Italian.) *Piacenza Agr.* 6(23/24):1. Dec.20,1950. 281.8 P57
- 80381 ROHL, Wirtschaftliche und züchterische bedeutung des trutzhuhnes. *Kleintierzüchter Tierbörse* 5 (3):4-5. Jan.20,1951. 49 K672
- 80382 SCHULTE, W. VON. Erstellungskosten für zuckerrüben. *Zucker* 4:13-16. Jan.1,1951. 65.8 Z82
- 80383 SCHWEIZERISCHES BAUERNSEKRETARIAT. Rentabilität in der schweizerischen landwirtschaft im erntejahr 1948/1949 (1. märz 1948 bis 28. februar 1949). II. *Landw. Jahrb. der Schweiz* 65:211-338. 1951. 17 L23
Text in French and German.
- 80384 TINDALL, C. How much is a beef cow worth? *Mo. Rur.* 92(10):8-9. May 26,1951. 6 R8891
Costs and returns.
- 80385 TYVAND, J. A., NODLAND, T. R., and POND, G. A. Feeder cattle costs and returns 1940-1949. *Minn. U. Div. Agr. Econ. Mimeog. Rpt.* 186,17 p. Dec.1950. 281.9 M66
University of Minnesota, Division of Agricultural Economics and the Agricultural Extension Service, and the U. S. Bureau of Agricultural Economics cooperating.
- 80386 WIEHLER, Das soziale problem der niedersächsischen milchwirtschaft. *Landwirtbl. Weser-Ems* 98: 583-584. July 5,1951. 18 L2345
Costs and returns problems for small farms.
- Land Settlement and Colonization
- 80387 AGRICULTURAL BANK OF TASMANIA. Annual report of the Closer Settlement Board, 1950. Hobart? 1951. 17 p. 284.29 Ag8
- 80388 BALDI, P. F. Aspects of agricultural emigration to Latin America. (In Italian.) *Cam. di Com. Indus. ed Agr. di Modena. B. Mens.* 57:388-394. (To be cont.) May 1951. 280.9 M722
Aspects of agriculture and possibilities for Italian emigrants in Latin America.
- 80389 HUBER, A. R. The church and the resettlement of landless families. *Rur. Missions* 79:7-8. Summer 1951. 281.28 Ag8
In the Philippines.
- 80390 MILLETTI, R. Ruralistic solutions for settlement in land reform areas. (In Italian.) *Genio Rur.* 14: 282-286. May/June 1951. 281.8 R522
Italy.
- 80391 MOURA, V. Aspects of settlement and immigration in Bahia. (In Portuguese.) *Coop [Bahia]* 9(84):5-7. Nov.1950. 280.28 C7842
- 80392 TARTAKOWER, A. The cooperative colonization of Israel and mass immigration. *Coop. Living* 2(3): 1-7. Spring 1951. 280.28 C7871
- Land Tenure
- 80393 ALLEGER, D. E., and THARP, M. M. Current farm leasing practices in Florida. *South. Coop. Ser. B.* 13,28 p. June 1951. 100 G29S0
- 80394 ANDALO, G. Words and deeds. (In Italian.) *Rass. dell'Agr. Ital.* 6(6):1-4. June 1951. 281.8 R18
Land reform.
- 80395 BABO, F. H. FREIHERR VON. Betriebswirtschaftliche grundlagen der flurbereinigung. Stuttgart, Ulmer,1950. 77 p. 281.175 B11
- 80396 BARONCINI, A. Need for cooperation in reforming the agrarian reform. (In Italian.) *Rass. dell'Agr. Ital.* 6(5):8-10. May 1951. 281.8 R18
- 80397 BERTHAULT, P. Le statut du fermage et du métayage. *Rev. Agr. de l'Afrique du Nord* 49:97-99. Feb. 9,1951. 80 R326
France.
- 80398 BIHR, W. Wann kommt das neue flurbereinigungsgesetz? *Bad. Landwirt. Wchnbl.* 118:353-354. June 9,1951. 18 B142
Also in *Württemberg. Wchnbl. f. Landwirt.* 118:461-462. June 9,1951. 18 W96
- 80399 BRIDGER, R. Crofting and crofters. *Estate Mag.* 51:231-233. June 1951. 10 Es8
In Scotland.
- 80400 COLOMBO, A. Financial measures of the agrarian reform. (In Italian.) *Cam. di Com. Indus. e Agr. Barl. B. (n.s.)* 35(6):3-5. June 1951. 287 B232
- 80401 COMPAGNA, F. Protagonists of the reform. (In Italian.) *Mondo Econ.* 6(20):4. May 26,1951. 280.8 M742
Italian land reform.
- 80402 DESCHAMPS, J. La responsabilité du fermier et du métayer en cas de sinistre (article 41 de l'ordonnance du 17 octobre 1945 modifié par la loi du 13 avril 1946, art. 20). *Rev. de Lég. Agr.* 4:72-77. Apr./May 1951. 281.8 R325
France.
- 80403 DÍAZ LEÓN, R. La importancia de la escuela en el medio rural. *Inst. Agr. Nac. B.* 20(11):10. May 1951. 281.9 C17
Venezuela.
- 80404 DU PLESSIS, C. VAN H. Rich farmers allay their land hunger; great land tenure an evil. (In Afrikaans.) *Landbouweekblad* 33(1660):23. May 9,1951. 24 L232
Union of South Africa.
- 80405 DUPONT, A. La jurisprudence en matière de dégâts causés aux récoltes par le gibier. *Rev. de Lég. Agr.* 4:78-80. Apr./May 1951. 281.8 R325
- 80406 DUUSGAARD, N. Consolidation of collective farms in the Soviet Union. (In Danish.) *Dansk Landbr.* 70:366. Aug.9,1951. 280.28 V91
- 80407 EASTERBROOK, L. E. Nuevo plan de modernización de la agricultura. *Mensajero Agr.* 57/58:13,46. Jan./Feb.1951. 9.8 M52
Arrangements for making improvements on rented farms in England.
- 80408 ESHUIS, J. A. Observations on method of consolidating holdings. (In Dutch.) *Nederland. Heidemaatsch. Tijdschr.* 62:194-205. July/Aug.1951. 12 N282
- 80409 FELICE, P. DE. Préemption en cas d'adjudication volontaire. *Monit. Agr.* 4(146):5. Jan.28,1951. 14 M744
France.
- 80410 FRANCE. LAWS, STATUTES, ETC. Code annoté des baux ruraux et des tribunaux paritaires. Ed. 2, entirely rev. and enl. to Feb. 15, 1950. Paris, Revue des Loyers,1950. 312 p. 282.174 F842C
Edited by J. G. Ifard.
- 80411 FRATTARI, E. The Po Delta and the expropriation law. (In Italian.) *Ras. dell'Agr. Ital.* 6(1):1-4. Jan.1951. 281.8 R18
- 80412 GARBARI, M. Peasant property and land reform. (In Italian.) *Mondo Agr.* 2(25):5. June 24,1951. 16 M74
Italy.
- 80413 GARDNER, T. W. The farms and estates of Oxfordshire. Reading, Eng. U. Dept. Agr. Econ. Misc. Studies 5,80 p. 1950? 281.9 R22Ms
Land tenure data.
- 80414 GONZÁLEZ GARCÍA, P. Algo sobre arrendamientos rústicos: a quién pertencen las rastrojeras? *Ceres [Valladolid]* 16:31-33. June 1,1951. 15 C33
- 80415 HEWES, L. Land reform—our way. (Condensed.) *Farm Policy Forum* 4(7):13-14. July 1951. 281.8 F2274
Asia.
- 80416 HOUWING, A. N. Lease or society. (In Dutch.) *Pacht* 11:130-140. May 1951. 282.8 P11
Legal aspects in the Netherlands.

- 80417 LAFORÉ, H. La répartition de la propriété foncière en Italie; la bonification—la réforme agraire. *Prog. Agr. et Vitic* June 3/10, 1951:293-300; Aug. 5/12, 1951:93-99. (Cont.) 14 P94
- 80418 LENNARD, R. The economic position of the bordars and cottars of Domesday Book. *Econ. J.* 61:342-371. Ref. June 1951. 280.8 Ec72
- 80419 MADRAS (STATE) SPECIAL OFFICER FOR THE INVESTIGATION OF LAND TENURES. Report on the proposals on land revenue reform. Madras, Govt. Press, 1950. 97 p. 282.182 M26
- 80420 MANFRA, M. R. The agrarian reform and complete occupation. (In Italian.) *Mercanzia* 6(6):28-29. June 1951. 287 B635
Italy.
- 80421 MARIANI, E. Hon. De Gasperi, still time to correct the errors of the agrarian reform! (In Italian.) *Rass. dell'Agr. Ital.* 6(5):4-5. May 1951. 281.8 R18
- 80422 MARIANI, M. The Segni projects are contrary to the true principles of Christian socialism. (In Italian.) *Piacenza Agr.* 6(15/16):1-2. Sept. 5, 1950. 281.8 P57
On the land reform.
- 80423 MONTAGNE, R. Droit de préemption et surenchère du vendeur. *Prog. Agr. et Vitic.*, June 3/10, 1951:303-305. 14 P94
France.
- 80424 MONTAGNE, R. La responsabilité du preneur d'un bien rural en cas d'incendie. I-II. *Prog. Agr. et Vitic.* 136:44-46, 74-76. July 15/22-29, 1951. 14 P94
- 80425 MORGANDO, A. Hopes and delusions regarding private property. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:133-134. May 15, 1951. 16 C72
- 80426 PARINI, A. Social significance of the agrarian reform. (In Italian.) *Lotte Contadine* 2(9):1. May 25, 1951. 16 L91
Italy.
- 80427 PARRI, E. Attention to the "expropriation" law. (In Italian.) *Lotte Contadine* 2(11):1. June 25, 1951. 16 L91
Land reform in Italy.
- 80428 PARRI, E. The expropriation law in Maremma. (In Italian.) *Lotte Contadine* 2(8):10-11. May 10, 1951. 16 L91
Land reform.
Also in *Agr. Ital.* 2:221-224. Apr. 15, 1951. 16 Ag822
- 80429 PATTON, J. G. The place of land reform in our foreign relations. *Farm Policy Forum* 4(8):23-24. Aug. 1951. 281.8 F2274
- 80430 PENELLE, A. Le droit de préemption dans le statut du fermage. Paris, Librairie du Journal des Notaires et des Avocats, 1950. 142 p. 282.174 P37
- 80431 PERROY, G. Neuordnung ländlicher besitzumsverhältnisse mit einem rückblick auf die innere kolonisation im Lande Salzburg in der Zeit von 1940 bis 1943. Salzburg, 1950? 26 p. 282.177 P42
- 80432 PRESTIANNI, N. Polemics on the land reform in Sicily. (In Italian.) *Mondo Agr.* 2(23):3. June 10, 1951. 16 M74
- 80433 RABAGLIETTI, M. F. Expropriation law and small peasant property. (In Italian.) *Genio Rur.* 14:314-318. May/June 1951. 281.8 R522
Land reform in Italy.
- 80434 RECHT, P. Les biens communaux de Namurois et leur partage à la fin du XVIII^e siècle. Bruxelles, Bruylant, 1950. 287 p. 282.172 R24
- 80435 RESCH, C. A. The regrouping of the kolkhozes. (In Italian.) *Italia Agr.* 88:313-316. June 1951. 16 It1
- 80436 RIECKMANN, H. Nochmals: verjähungsgefahr bei den entgelten aus den abbauverträgen. *Hannoversche Land- u. Forstwirtschaft. Ztg.* 103:1141. Dec. 16, 1950. 18 H194
- 80437 RONZA, V. Coltivazione diretta e minima unità culturale [Direct cultivation and minimum unit of cultivation]. Aversa, Nappa, 1950. 12 p. 282.176 R66
Legal aspects of land tenure.
- 80438 ROSSI, F. Land reform. (In Italian.) *Genio Rur.* 14:372-380. May/June 1951. 281.8 R522
Italy.
- 80439 ROSSI, R. P. Factionation of land and rural building. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:120-121. Apr. 30, 1951. 16 C72
- 80440 ROUSSEL, G. Terres abandonnées ou insuffisamment occupées. *Rustica* 24:533, 536. June 10, 1951. 14 R92
France.
- 80441 SAKSENA, S. C. Ownership of land and abolition of zamindaries. *Agr. Econ.* 2(6):11, 30. Feb./Mar. 1951. 281.8 Ag832
India.
- 80442 SAVATIER, R. Fermages et métayages: bilan économique et social; technique réformatrice. In *Collection Droit Social. Les aspects économiques, techniques et sociaux de l'expansion agricole*, p. 26-37. Paris, Librairie Sociale et Économique, 1950. 281.174 C68
France.
- 80443 SCHWARZ, D. Flurbereinigung—selbst gemacht. *Deut. Landwirt. Presse* 74:177. July 7, 1951. 18 D482
- 80444 SKEIE, J. Odelsretten og aseteretten [The inheritance law and the succession law]. Oslo, Gyldendal, 1950. 317 p. 282.173 Sk2
- 80445 SPARKMAN, J. J. Cornerstone of Oriental peace hopes. *Farm Policy Forum* 4(7):11-12. July 1951. 281.8 F2274
Land reform in China.
- 80446 STEUER, R. Wie steht es um das flurbereinigungsgesetz? *Württemb. Wchnbl. f. Landwirt.* 118:581-582. July 21, 1951. 18 W96
- 80447 STORNI, H. J. Conferencia pronunciada acerca de la Nueva Ley de Tierras No. 13.995, promulgada el 5 de octubre de 1950. Argentina, Dir. Gen. de Tierras. Rev. 6:1-11. Nov./Dec. 1950. 282.9 Ar3R
Land tenure.
- 80448 TEPPEMA, J. A. M. Distribution of domain lands along the Bergsche Maas. (In Dutch.) *Pacht* 11:140-143. May 1951. 282.8 P11
Leasing.
- 80449 THEY, R. Contribution à l'étude du Contrat de Mgharsa et de son application. *Feuille d'Inform. Oleicoles* 20:624-630. (Cont.) Fourth Q. 1950. 80 F432
A type of lease.
- 80450 THURN-VALSASSINA, G., GRAF. Der bauer und die jagd; jagdrecht und grundeigentum sind untrennbare begriffe. *Allg. Bauernztg.* 6(29):1-2. July 21, 1951. 19 K142
Austria.
- 80451 UBBINK, W. H. Community pastures. *Pacht* 11:162-180. June 1951. 282.8 P11
Leasing in the Netherlands.
- 80452 VIDAL, A. Valorization of land. (In Portuguese.) *Divulg. Coop.* 17:9, 11, 10. Mar. 1951. 280.28 R47
Discusses tenancy in Brazil.
- 80453 WALMSLEY, R. C. The wicked farm tenant and his disturbance compensation; a fable. *Land Agents' Soc. J.* 50:292-294. July 1951. 282.9 L22
- 80454 WIELEN, H. G. W. VAN DER. Belgian agriculture. III. The Belgian farmers and their land. (In Dutch.) *Landbode* 5(24):3. June 16, 1951. 12 L234
Tenure aspects.
Also in *Gelders Landbbl.* 14(24):3. June 16, 1951. 12 G282
- 80455 ZOPPI, C. B. The reform in Maremma. (In Italian.) *Mondo Agr.* 2(23):4. June 10, 1951. 16 M74
Land reform.

Land Utilization

- 80456 BOAGA, G. Topographic and cadastral activities in Tuscany from the XIIIth Century to the present. (In Italian.) *Riv. del Catasto e dei Serv. Tec. Erariali* (n.s.) 6:12-25. 1951. 280.8 R523
- 80457 CLARK, O. H. Basic land use program is pioneered in Michigan. *Mich. Conserv.* 20(4):21-25. July/Aug. 1951. 279.9 M582
- 80458 COKE, J., and HAASE, G. Principles underlying the economic classification of land in western Canada. *Canad. Agr. Econ. Soc. Proc.* 20:109-117. 1950. 281.9 C16
- 80459 GT. BRIT. COMMITTEE ON QUALIFICATIONS OF PLANNERS. Report. London, H. M. Stationery Off., 1950. 84 p. (Great Britain. Parliament. Papers by Command. Cmd. 8059) 98.5 G799
Town and country planning.
- 80460 LERCH, J. Grundstückskartei und wirtschaftsflächenhebung. *Statis. Praxis* 6:61-64. Apr. 1951. 251.8 St25
Land utilization in Germany.
- 80461 REUSS, L. A., and BLANCH, G. T. Utah's land resources. *Utah. Agr. Expt. Sta. Spec. Rpt.* 4, 66 p. Ref. June 1951. 100 Ut1Sp
U. S. Bureau of Agricultural Economics cooperating.
Land utilization and land tenure.

- 80462 STAMP, L. D. The land of Britain; its use and misuse. Ed. 2. London, Longmans, Green, 1950. 507 p. 282.171 St2L
- 80463 WIRTH. Die bodenbenutzungserhebung 1951. Württemb. Wchnbl. f. Landwirt. 118:544. July 7, 1951. 18 W96

Land Values and Valuation

- 80464 BACHSEITZ, F. H. Die wertmässige beurteilung der böden im Unteren Altmühltal auf grund der bodenschätzung. Landwirt. Jahrb. f. Bayern 28(3/4):72-75. Mar./Apr. 1951. 18 L24
- 80465 BERNARD, P. Comment apprécier la valeur des terres? Monit. Agr. 4(146):1-2. Jan. 28, 1951. 14 M744
- 80466 DESBROUSSES, and DUMANT. La valeur venale et la valeur locative des terres en 1950. France. Min. de l'Agr. Rev. Etudes & Monog. 58:117-118, 120-131. May 1951. 281.8 F84
- 80467 LANGTHALER, F. Zur frage der schätzung land- und forstwirtschaftlicher liegenschaften in der gegenwart, unter besonderer berücksichtigung bäuerlicher verhältnisse. Wien, Österreichischer Agrarverlag, 1950. 31 p. 99.57 L26
- 80468 LESCA, V. The land market in Valtellina within the framework of its physico-economic and social environment. (In Italian.) Rass. Econ. della Prov. di Sondrio 4(5):17-18. (To be cont.) May 1951. 287 So5
- 80469 MOORE, H. R., and BAILEY, R. A. Ohio farm real estate prices. Ohio. Agr. Expt. Sta. Res. B. 711, 39 p., July 1951. 100 Oh3S
- 80470 SERPIERI, A. From a "Guide to the art of rural appraisal." (In Italian.) Genio Rur. 14:275-281. May/June 1951. 281.8 R522
- 80471 VALBONESI, P. Time for farm appraisals. (In Italian.) Agr. Romagn. 9:3. May 5, 1951. 16 Ag828
- Relative merits of May and November appraisals.

POPULATION

- 80472 BOERGER, A. La posición de la agronomía sudamericana frente al resurgimiento del Malthusianismo. I-II. Uruguay. Min. de Ganad. y Agr. B. Inform. 376:7, 11; 377:13-14. June 21-28, 1951. 9.9 G15B
- 80473 CANESTRARI, R. Agriculture and urbanism. (In Italian.) Mezzogiorno Agr. 7(28):1. July 15/21, 1951. 16 M57
- Rural exodus in Italy.
- 80474 MARESCALCHI, A. City and country. (In Italian.) Mondo Agr. 2(17):1. Apr. 29, 1951. 16 M74
- Rural exodus in Italy.
- 80475 MAYRHOFER, W. Gedanken zur volkszählung. Kärntner Bauer 101:278-279. May 15, 1951. 19 K14
- 80476 MAZZOCCHI-ALEMANNI, N. Population of territories having latifundia. (In Italian.) Agr. Ital. 2: 197-202. Apr. 15, 1951. 16 Ag822
- Italy.
- 80477 NETHERLANDS. CENTRAAL BUR. VOOR DE STATISTIEK. Explanation of a series of three cartograms on the occupational structure of the population in Netherlands municipalities based on the population and occupation situation of May 31, 1947. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 42:73-77. Apr. 1951. 280.8 T44
- English summary.
- Charts are at the back of the issue and include agriculture.
- Rijksdienst voor het Nationale Plan, cooperating.
- 80478 NEW ZEALAND. CENSUS AND STATISTICS DEPT. Statistical report on population and buildings for the year 1949-50. Wellington, 1951. 52 p. 271.2 C33P
- Figures for rural areas included.
- 80479 PALMER, S. Die eingliederung heimatvertriebener landwirte im zusammenhang mit der landflucht in Westdeutschland. Inst. f. Raumforsch. Inform. 13/51, 9 p. Apr. 9, 1951. 280.9 B6431
- 80480 PASTORINI, F. M. Agricultural emigration in the Province of Turin. (In Italian.) Cron. Econ. 99:31-33. Mar. 1951. 280.8 C882
- Includes a survey of land tenure problems.
- 80481 PROUDFOOT, M. J. Population movements in the Caribbean. Port-of-Spain, Trinidad, Central Secretariat, Caribbean Comm., 1950. 187 p. 282.2 P94
- Includes rural-urban migration.

RURAL SOCIAL ORGANIZATION

- 80482 BELL, C. And then we'll be rich. New York, McGraw-Hill, 1951. 284 p. 281.2 B412
- Rural life in Missouri.
- 80483 GENNARI, G., and GAZZERA, E. Social activities in the field of agriculture: The Society for the orphans of farmers. (In Italian.) Agr. Ital. 2:291-292. June 1, 1951. 16 Ag822
- National Society for Assistance to the Orphans of Italian Farmers.
- 80484 HAGGARD, L. R. A country scrap-book. London, Faber and Faber, 1950. 240 p. 281.2 H122
- 80485 HILL, G. W. La ciencia de la sociología rural aplicada a la solución de problemas sociales en Venezuela. Inst. Agr. Nac. B. 20(11):4-9. May 1951. 281.9 C17
- 80486 KEILLING, J. Les conséquences sociales du progrès technique dans le milieu agricole. In Collection Droit Social. Les aspects économiques, techniques et sociaux de l'expansion agricole, p. 24-26. Paris, Librairie Sociale et Économique, 1950. 281.174 C68
- 80487 LOUWES, D. Village society before the first World War. (In Dutch.) Landbode 5(26):1. June 30, 1951. 12 L234
- Netherlands.
- 80488 PEREIRA, J. M. From 88 to 51. (In Portuguese.) Seleg. Agr. 6(62):19-20. June 1951. 9.2 Se4
- Improvement of conditions of rural life in Brazil to control the rural exodus.
- 80489 SITHARAMAN, A. S. Economic and social relations between agriculture and industry with reference to the effects of industrialisation on rural areas and rural life. Indian J. Agr. Econ. 6(1, pt. 2):198-206. Mar. 1951. 281.8 In2
- India.
- 80490 VIDART, D. Esquema de una sociología rural uruguaya. XLIII-XLVI. Uruguay. Min. de Ganad. y Agr. B. Inform. 374:12; 375:12; 376:4; 377:12. June 7-28, 1951. 9.9 G15B
- 80491 WILSON, M. An organization plan for farm home life research in Japan. Supreme Commander Allied Powers. Nat. Resources Sect. Prelim. Study 54, 53 p. June 1951. 280.9 Su72

Human Ecology

- 80492 BONN. INSTITUT FÜR RAUMFORSCHUNG. 1. jahresbericht 1949/51. Bonn; 1951. 16 p. 280.9 B643J
- 80493 BONN. INSTITUT FÜR RAUMFORSCHUNG. Ordnung und planung im Ruhr-raum. Dortmund, Ardey, 1951. 122 p. 280.175 B643
- 80494 GLADSTONE, A. The Koinonia community in Georgia. Community Serv. News 9:83-86. May/June 1951. 281.28 C73
- Cooperative farm community.
- 80495 MÄDING, E. Rechtliche grundlagen der landespflege. Inst. f. Raumforsch. Mitt. 7, 85 p. Dec. 31, 1950. 280.9 B643
- 80496 NEAL, E. E. Achieving group adjustment through community planning. Tex. J. Sci. 3:208-212. Ref. June 30, 1951. 470 T31
- 80497 ORTH, J. Landschaftsgestaltung und landwirtschaftspflege im Ruhrgebiet. In Bonn. Institut für Raumforschung. Ordnung und planung im Ruhr-raum, p. 100-102. Dortmund, Ardey, 1951. 280.175 B643
- 80498 OSEL, W. Experiment ohne beispiel: schweine, funk und asphaltboulevard. Übersicht 2(3):28-30. July 1951. 18 Ub3
- Village planning in the U. S. S. R.
- 80499 PIERSON, D., and others. Cruz das Almas, a Brazilian village. Smiths. Inst. Inst. Social Anthropol. P. 12, 226 p. 1951. 446.9 Sm6
- L. Cruz, M. B. Lopes, H. B. Pierson, C. Borges Teixeira, joint authors.
- Includes agriculture.
- 80500 UMLAUF, J. Landesplanung im ruhrgebiet. In Bonn. Institut für Raumforschung. Ordnung und planung im Ruhr-raum, p. 22-32. Dortmund, Ardey, 1951. 280.175 B643
- 80501 WEIJDE, H. VAN DER. Trennung von wohnungsbau und landesplanung in Holland. Inst. f. Raumforsch. Inform. 3/51:6-7. Jan. 29, 1951. 280.9 B6431

Institutions

- 80502 ALLMENRÖDER, K. Erfahrung im Lehrbetrieb. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:49-51. May 1951. 18 N11
Germany.
- 80503 ALMEIDA CARVALHO, Z. Serviços de enfermagem rural em Araraquara. Ofic. Sanit. Panamer. B. 30:743-748. June 1951. 449.9 P192B
- 80504 ALVAREZ MERINO, M. La ocasión la pinta calva; magnífica oportunidad para la creación de la escuela técnica agrícola. Agr. Burgales 18(198):8-10. June 1951. 15 Ag86
- 80505 ANDERSON, J. The N. A. A. S. in the Eastern Counties. Gt. Brit. Min. Agr. Agriculture 58:155-158. July 1951. 10 G79J
On the National Agricultural Advisory Service.
- 80506 ARNAUD, J., and BARLATIER, S. Le manuel des cours post-scolaires agricoles. Nice, 1950? 2 v. 33.17 Ar62
- 80507 AUBER, R. Les agriculteurs de la Seine. J. de la France Agr. 7:1592. (Concl.) June 22/28, 1951. 14 J829
- 80508 AVANZI, E. Planning of the faculties of agricultural sciences. (In Italian.) Mondo Agr. 2(18):3. May 6, 1951. 16 M74
Italy.
- 80509 L'AVENIR de nos enfants. II. Agriculteur 55(27):4. July 8, 1951. 13 B63P
Includes education for agriculture and a list of Belgian schools of agriculture.
- 80510 BALLANTYNE, A. B. Rural leaders' guide for square and group dances. Ariz. Agr. Col. Ext. C. 183,23 p. Feb. 1951. 275.29 Ar42
- 80511 BARTH, R. Reform der Landwirtschaftsschule. Deut. Landwirt. Presse 74:178. July 7, 1951. 18 D482
- 80512 BAY, E. Agriculture's interpreters; county agents, vo-ag teachers and other farm advisers must take up where research leaves off. Co. Agent & Vo-Ag Teacher 7(8):9-11. Aug. 1951. 275.28 N213
- 80513 BERNINZONI, T. (HIJO). Contribución a la lucha contra la hidatidosis. Uruguay. Min. de Ganad. y Agr. B. Inform. 376:8-11. June 21, 1951. 9.9 G15B
In man.
- 80514 BLASCH, J. Jedem bauernkind seine "musterwirtschaft." Ein vorschlag. Österr. Landtech. 3:289-291. Nov. 1950. 58.8 L236
- 80515 BOLLA, G. Famille et propriété dans les contrées de montagne et en particulier dans la vallée de Ampezzo (Belluno). (In Italian.) Italia Forest. e Mont. 6:53-61. Mar./Apr. 1951. 99.8 It12
French summary.
- 80516 BRATLIEN, A. Agricultural vocational schools and study of organizations. (In Norwegian.) Norsk Landbr. 17:287-288. Aug. 3, 1951. 11 N8122
- 80517 BUSCH, H. ZUM. Die beste kapitalanlage des bauern. Landwirt. Z. der Nord-Rheinprov. 118:612. July 14, 1951. 18 L2344
Vocational education.
- 80518 BUSINESS SCREEN. The film program of the United States Department of Agriculture. Washington, U. S. Dept. Agr., 1950. 14 p. 1 Ag85FiL
- 80519 BYRAM, H. M., and NELSON, K. G. Guidance and placement in agricultural education. Agr. Educ. Mag. 24:23-36, 43-45. Ref. Aug. 1951. 275.8 Ag8
- 80520 CABALLERO CALDERON, E. El consumidor campesino. Agr. Trop. 7(5):57-58. May 15, 1951. 26 Ag8
Colombia.
- 80521 CAPPS, J. P. Some television stations really need educational films. Amer. Egg & Poultry Rev. 12(7):14, 16. July 1951. 47.8 Am38
- 80522 CARLSON, W., and CAMP, B. Our hospital is 15 minutes away! The inside story of how a farm community earned every penny to build a hospital. Successful Farming 49(8):36-37, 100-102. Aug. 1951. 6 Su12
- 80523 CASTRO FERNÁNDEZ, W. Problemas de sanidad rural; el parasitismo diezma nuestra población campesina. Acción Agr. [Habana] 1(4):32-33. Apr. 1951. 8 Ac22
Cuba.
- 80524 CHINI, A. Administration for technical specialization. (In Italian.) Mondo Agr. 2(17):4. Apr. 29, 1951. 16 M74
Italian educational problems.
- 80525 CLARK, C. Craftsmanship in the countryside. Brit. Agr. B. 4:80-86. July 1951. 10 B776
- 80526 CONFERENCE ON EXTENSION EXPERIENCES AROUND THE WORLD. COMMITTEE ON SOCIAL SCIENCES IN RELATION TO EXTENSION WORK. Experience with human factors in agricultural areas of the world; the contribution sociology, anthropology, and social psychology can make to an understanding of the problems involved. Conserv. Amer. 10:3-20. July 1951. 279.8 C767
- 80527 CUMBERBEACH, J. H. The rural course at Mosgiel District High School. Lincoln Col. Rur. Educ. B. 6:53-61, 69-77. May-June 1951. 109 C162
- 80528 DAY, C. Maine facts. Maine. Agr. Expt. Sta. Misc. P. 619, 31 p. June 1951. 100 M28S
Issued also as Bulletin 412 of the Maine Agricultural Extension Service.
System of agricultural education and agriculture in Maine.
- 80529 DIMITROV, G. M. The peasant, labor and socialist internationals. Internatl. Peasant Union. B. 2(6):3-5. June 1951. 280.9 In822
International Peasant Union.
- 80530 FELTON, R. A. A new gospel of the soil; stories of sixteen rural churches that have promoted soil conservation, land ownership and father-and-son partnerships, and have helped young couples get started in farming. Madison, N. J., Dept. Rur. Church, Drew Theological Seminary, 1951. 95 p. 281.2 F34N
- 80531 FLEURY, F. L'Institut Agricole de Ste-Germaine. Terre de Chez Nous 23(22):7, 19. July 25, 1951. 7 T27
Agricultural schooling for orphans in Quebec.
- 80532 GALLOWAY, R. E., and LOFTIN, M. T. Health practices of rural Negroes in Bolivar County. Miss. Agr. Expt. Sta. Sociol. & Rur. Life Ser. 3, 14 p. Apr. 1951. 281.29 M693
- 80533 GAUSEBECK, A. Lebensbewältigung und lebensgestaltung. Landfrauenarbeit 15:113-114, 126-128. Apr. 14-21, 1951. 18 L2347
Education for farm life.
- 80534 GRAVIER, J. F. La clé du problème agricole: enseignement et vulgarisation. In Collection Droit Social. Les aspects économiques, techniques et sociaux de l'expansion agricole, p. 19-23. Paris, Librairie Sociale et Économique, 1950. 281.174 C68
France.
- 80535 GUTIERREZ, B. El gaucho, origen racial y actuación. Selec. Rur. 6:109-112. Apr./June 1951. 9.9 Se4
- 80536 HALL, D. M. Evaluation of results. Co. Agent & Vo-Ag Teacher 7(7):22-23, 29. July 1951. 275.28 N213
Educational programs.
- 80537 HEYDEBRAND, G. VON. Die landwirtschaftslehre. Landwirt. Z. der Nord-Rheinprov. 118:435-436. May 19, 1951. 18 L2344
- 80538 HOCHNEUKIRCH, T. H. Die landjugend und ihre politische aufgabe. Landwirt. Z. der Nord-Rheinprov. 118:567-568. June 30, 1951. 18 L2344
- 80539 HOLLAND, C. A. The Rural Training Centre, Cressy. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:117-124. May 1951. 23 T182T
- 80540 HOLMES, N. D. What's "doing" in school legislation. Farm Policy Forum 4(8):5-9. Aug. 1951. 281.8 F2274
- 80541 JOHNSON, J. W. Rural fairs. (In Portuguese.) Observador Econ. e Financ. 16(185):93-94. June 1951. 280.8 Ob72
- 80542 JONES, S. S. Agricultural education in area schools. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:127-134. May 1951. 23 T182T
- 80543 KIEHL, E. J. Golden anniversary of the founding of the "Luiz de Queiroz" High School of Agriculture. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:196-204. May/June 1951. 9.2 R324
- 80544 KIMM, B. Value of course to students emphasized by shop report sheets. Co. Agent & Vo-Ag Teacher 7(4):29. Apr. 1951. 275.28 N213
Vocational agriculture.
- 80545 KRÄUTLE, K. Landwirtschaftskammern für den Südwest-Staat. Deut. Landwirt. Presse 74:165-166. June 16, 1951. 18 D482
- 80546 LAMOREAUX, J. Farmers and fighters—the aggies of Texas. Harvester World 42(6):19-23. June 1951. 58.8 H26
Agricultural and Mechanical College, Texas.
- 80547 LEITE, J. Health conditions of sugar workers in São Paulo. (In Portuguese.) Bras. Açucareiro 36:578-581. Nov./Dec. 1950. 65.8 B73

- 80548 LEITE, J. Medical and social aid to sugar workers in Sergipe. (In Portuguese.) Bras. Acucareiro 36:449-451. Oct. 1950. 65.8 B73
- 80549 LIONBERGER, H. F. Sources and use of farm and home information by low-income farmers in Missouri Mo. Agr. Expt. Sta. Res. B. 472,34 p. Apr. 1951. 100 M693
- Extension service information, reading material, and other sources.
- 80550 LIPPMANN, K. Landwirtschaftliche rentabilität und berufsausbildung. Neue Mitt. f. die Landwirt. 6: 370-371. June 2, 1951. 18 N39
- Germany.
- 80551 LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. DIV. OF AGRICULTURAL EXTENSION. Extension work in Lafourche. La. Agr. Col. Ext. P. 1054,38 p. Dec. 1950. 275.29 L93Ep
- 80552 LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. DIV. OF AGRICULTURAL EXTENSION. Origin and growth of agricultural extension in Louisiana, 1860-1948, by F. W. Williamson. Baton Rouge? 1951. 345 p. 275.2 L930
- 80553 MANGUS, A. R. The changing rural family. Ohio Farm Bur. News 30(10):8-9, 19. May 1951. 6 Oh34
- 80554 MAPLES, R. Radio saved the crop. Co. Agent & Vo-Ag Teacher 7(4):14, 25. Apr. 1951. 275.28 N213
- 80555 MARDUEL, F. Education ménagère agricole. Ed. 5, rev. Lyon, Vitte, 1950. 648 p. 321 M332
- 80556 MARTIN, P. Health progress in rural Canada. Saskatchewan Assoc. Rur. Munic. Rpt. Proc. 46:40-45. 1951. 281.9 Sa72
- 80557 MERCIER, J. Hygiène et médecine du travail en agriculture. Cour. Hort. 13:352-353. July 1951. 80 C834
- 80558 MESA PRIETO, E. A. Salubridad y agricultura: el niño campesino. Agr. Trop. 6(8):57-59. Aug. 15, 1950. 26 Ag8
- 80559 MISSOURI. UNIVERSITY. DEPT. OF AGRICULTURAL EDUCATION. Teaching aids in vocational agriculture. Columbia, 1951. 75 p. (University of Missouri Bulletin, v. 52, No. 20. Education Series No. 45) 275.1 M696
- 80560 MÜHLL, R. E. VONDER. Über die praktische ausbildung des landwirtes in der Schweiz. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:57-60. May 1951. 18 N11
- 80561 MULLER, J. Bauer in gefahr. Freiburg, Europäischer Verlag, 1950. 448 p. 280.175 M91
- Economic status and culture.
- 80562 ORTEGA, P. El café, piedra angular, que hizo posible la práctica de un experimento de educación rural en Honduras. Comt. Nac. del Café. B. 5:415-430. Feb./Mar. 1951. 68.29 C732
- 80563 PATE, R. Let's come to Farm and Home Week. Carolina Co-op. 29(7):14-15, 30. July 1951. 72.8 N81
- 80564 POWELL, H. C. A land agent's bookshelf. IV. The land: its economics, politics, sociology, and history. Land Agents' Soc. J. 50:249-252, 295-299. (Cont.) June-July 1951. 282.9 L22
- 80565 RAPKING, A. H. The Kingdom of God in everyday living. Christian Rur. Fellowship B. 164:1-4. June 1951. 281.29 C46
- 80566 RAY, D. D. The effects of industrialisation on the physical pattern of rural areas. Indian J. Agr. Econ. 6(1, pt. 2):189-198. Mar. 1951. 281.8 In2
- India.
- 80567 REISCH, F., and GRAESER. Werk- und demonstrationsräume in landwirtschaftsschulen. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4(5, sup.), 4 p. May 1951. 18 N11
- 80568 SAINT-QUENTIN, M. Fêtes de moisson. Rustica 24:639-640. July 15, 1951. 14 R92
- 80569 SCHILLER, O. Zur weiteren ausbildung der diplomlandwirte. Neue Mitt. f. die Landwirt. 6:465-466. July 14, 1951. 18 N39
- Germany.
- 80570 SILVEIRA, A. H. DA. Mechanization of the Northeast: home industries. (In Portuguese.) Agr. e Pecuaria 22(331):28. Apr. 1951. 9.2 Ag89
- Brazil.
- 80571 SOUTH CAROLINA. CLEMSON AGRICULTURAL COLLEGE. EXTENSION SERV. Agricultural progress in South Carolina, 1950; annual report. Clemson, 1951? 43 p. 275.29 So8A
- 80572 STAPEL, J. C. Encouraging youth. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 54:166-168. 1951. 284.69 N19
- Farm youth programs.
- 80573 STUCH. Die ergänzung der praktischen und theoretischen ausbildung durch kurzurse. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:54-56. May 1951. 18 N11
- Germany.
- 80574 TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Annual report, 1950. College Station, 1951. 26 p. 275.29 T312A
- 80575 TRUMAN, D. B. The governmental process: political interests and public opinion. New York, Knopf, 1951. 544 p. (Borzoi Books in Political Science) 280.12 T77
- Includes discussion of the Department of Agriculture and farm organizations.
- 80576 ULLMANN, S. Erfahrungen und wünsche eines landwirtschaftslehrlings. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:51-52. May 1951. 18 N11
- Germany.
- 80577 UNDERWOOD, E. J. Agricultural education in Western Australia. II. Westralian Farmers Co-op Gaz. 20:209-210. Apr. 1951. 280.28 W522
- 80578 UNIDAD SANITARIA DE SAN FELIPE, CHILE. Enfermeria sanitaria rural en Chile. Ofic. Sanit. Pan-amer. B. 30:752-763. June 1951. 449.9 P192B
- 80579 U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Graduate School bulletin; annual catalog, 1951-1952. Washington, 1951. 127 p. 1 Ag854F
- 80580 U. S. DEPT. OF AGRICULTURE. LIBRARY. PHILADELPHIA BR. You, and your library. Upper Darby, Pa., 1951. 8 p. 1.916 Up6Y
- 80581 U. S. EXTENSION SERV. The Cooperative Extension Service and its relations to farm families and family farms. Washington, 1951. 14 p. 1.913 A2C784
- 80582 U. S. EXTENSION SERV. The role of the Extension Service in helping children and youth develop healthy personalities; composite report of the work groups at the Extension Conference on Children and Youth, December 8 to 13, 1950. Washington, 1951. 4 p. 1.913 C3C43R
- 80583 U. S. EXTENSION SERV. Ten years of visual aids in the Extension Service Review. Washington, 1951? 113 p. 1 Ex892T
- 80584 U. S. INTERDEPT. COMMITTEE ON CHILDREN AND YOUTH. Programs of the Federal Government affecting children and youth, a summary. Washington, 1951. 126 p. 173 In8322
- Includes work of the Department of Agriculture.
- 80585 VÖLKERMARKT. FESTAUSCHUSS DER LANDWIRTSCHAFTLICHEN UND GEWERBLICHEN LEISTUNGSSCHAU ANLÄSSLICH DER 30. WIEDERKEHR DER VOLKSABSTIMMUNG. Festschrift der landwirtschaftlichen und gewerblichen leistungsschau im 30. Abstimmungsjahr, 1920-1950, Völkermarkt, vom 16. bis 18. september 1950. Völkermarkt, 1950. 40 p. 33.29 V88
- 80586 WIELEN, H. G. W. V. D. Maintenance of the peasantry. II-III. (In Dutch.) Overtijsselsch Landbbl. 33 (1600):4. Apr. 14, 1951. 12 Ov2
- Pt. II in Groninger Landbbl. 29(14):4. Apr. 7, 1951. 12 G892
- 80587 ZIEGLER, E. K. Worship methods in the rural church. Christian Rur. Fellowship B. 163,6 p. May 1951. 281.29 C46
- 80588 ZUCCHINI, M. Action of propaganda and technical assistance. (In Italian.) Agr. Ferrarese 54:229-232. Nov. 30, 1950. 16 Ag87

Rural Organizations and Movements

- 80589 ABRAHAMSEN, M. A., and SCEARCE, J. L. Handbook on major regional farm supply purchasing cooperatives, 1949 and 1950. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 150,58 p. May 1951. 166.3 M68
- 80590 ALLEGRANTI, A. Contribution of E. C. A. to agricultural cooperation. (In Italian.) Agr. Ital. 2:219-220. Apr. 15, 1951. 16 Ag822
- 80591 AMERICAN FARM BUR. FEDERATION. Annual report, 1950. Chicago, 1951. 40 p. 280.83 Am3A
- 80592 BELGIAN agriculture. V. The Belgian farmer and his organizations. (In Dutch.) Landbode 5(26):6. June 30, 1951. 12 L234
- Also in Overtijsselsch Landbbl. 33(1611):6. June 30, 1951. 12 Ov2

- 80593 BOMBAY. REGISTRAR OF CO-OPERATIVE SOCIETIES. Annual administration report on the working of co-operative societies for the year 1948-49, v. 1-2. Bombay, 1951. 144,255 p. 284.29 In22
- Volume 2 is Statements relating to Annual Administration Report on the Working of Co-operative Societies for the year 1948-1949.
- 80594 BRAHE-PEDERSEN, O. How to create an economic basis for farm youth organization work. (In Danish.) Dansk Landbr. 70:337-339. July 19, 1951. 280.28 V91
- 80595 BRANNAN, C. F. 4-H Club work, a \$25 million bargain. Washington, U. S. D. A., Off. Sec., 1951. 10 p. 1.91 A2B73
- Talk before the National 4-H Club Camp, June 14, 1951.
- 80596 CESCO, G. Organization and aims of the Professional Agrarian Institute. (In Italian.) Colt. e Glor. Vlnic. Ital. 97:162-164. June 15, 1951. 16 C72
- 80597 COÖPERATIEVE AAN- EN VERKOOPVERENIGING. Jaarverslag over het boekjaar 1 April 1950-31 Maart 1951. Annual report concerning the financial year 1st April 1950-31st March 1951. Rotterdam, 1951. 30 p. 280.29 C7837
- 80598 COSTAGNO, G. Technical and economic organization of agricultural production. (In Italian.) Rass. dell'Agr. Ital. 6(6):10-11. June 1951. 281.8 R18
- 80599 CYPRUS. DEPT. OF CO-OPERATION. Annual report for the year ending 31st December, 1950. Nicosia, 1951. 12 p. 280.29 C99
- 80600 DANNER, M. J. An Alabama cooperative as farmers see and use it. Ala. Agr. Expt. Sta. B. 279,23 p. Dec. 1950. 100 AL1S
- 80601 DOE, J. R., and GARDNER, K. B. Digest symposium: do cooperatives need audits? Coop. Digest 12:9, 21. July 15, 1951. 280.28 C7896
- 80602 FRENSEL, O. National Agricultural Society [Brazil]. (In Portuguese.) B. do Leite 4(45):3. Mar. 1951. 44.8 B633
- 80603 FRIEHAUF, L. Colorado's top 4-H winner tells what it means to him. Through Leaves 39(2):46-47. Mar./Apr. 1951. 66.8 T41
- 80604 GONÇALVES, P. A. Future Farmers of America Club. (In Portuguese.) Rev. Agron. [Porto Alegre] 15 (169/173):52. Jan./Apr. 1951. 9.2 R325
- 80605 HILL, E. H. The "basics" of cooperatives. Farm Policy Forum 4(7):23-26. July 1951. 281.8 F2274
- 80606 HOLLAND, C. A. The farmers of the future. Tasmania. Dept. Agr. Tasmanian J. Agr. 22:139-141. May 1951. 23 T182T
- Junior farmers' club movement.
- 80607 HUDIG, J. W. Netherlands Heath Exploitation Company. (In Dutch.) Plattelands-Post 7(29):5. July 21, 1951. 12 P69
- 80608 HUGHES, T. J. Grower inspects new 4-H camp. Fla. Grower 59(8):6,15. Aug. 1951. 80 F6622
- 80609 JAUME, J. Del agro mallorquín. Cult. Mod. 34:135-136. Apr. 1951. 15 C89
- Cooperative organizations.
- 80610 KEIDEL, G. Vereint sind auch die schwachen stark! Opferbereitschaft und Leistung sind die fundamente der genossenschaftlichen arbeit auf dem lande. Bauern Ztg. 4(20):1-2. May 18, 1951. 18 B324
- Germany.
- 80611 KOLLER, E. F., and MANNING, T. W. Minnesota cooperatives at mid-century. Minn. U. Agr. Ext. Farm Business Notes 330:1-3. May 31, 1951. 275.29 M663
- 80612 LICINI, R. Is it really impossible to organize farmers? (In Italian.) Rass. dell'Agr. Ital. 6(1):19-20. Jan. 1951. 281.8 R18
- 80613 LM, T. B. The co-operative movement in Malaya. Cambridge, Eng., U. Press, 1950. 36 p. (Malayan Questions, a Series of Reviews Written from Within) 280.2 L62
- Includes agricultural cooperatives.
- 80614 MCCORMICK, C. J. Cooperatives in the national emergency. Washington, U. S. D. A., Off. Sec., 1951. 14 p. 1.91 A2M132
- Talk before the Cooperative League, Lake Geneva, Wis., June 27, 1951.
- 80615 MCKEE, K. L. 4-H activities make your club work sparkle. Ariz. Agr. Col. Ext. C. 187,10 p. Apr. 1951. 275.29 Ar42
- 80616 MAURITIUS. DEPT. OF CO-OPERATION. Annual report for the year ended 30th April, 1950. Port Louis, 1950. 30 p. 284.29 M44
- 80617 MÜLLENBACH. Beitragsveranlagung bei betriebseinheit; zusammenfassung von veranlagungen zum mindestbeitrag für die landw. berufsgenossenschaft in einer beitragsveranlagung bei betriebseinheit. Landwirt. Z. der Nord-Rheinprov. 118:381. May 5, 1951. 18 L2344
- 80618 NATIONAL FARMERS' UNION OF SCOTLAND. Annual report for year ending 28th February 1951. Glasgow, 1951. 120 p. 280.83 N212
- 80619 NORRIS, P. T. Membership timetable outlined; 1952 quota set at 100,000 families. Hoosier Farmer 36 (8):7. Aug. 1951. 280.82 H76
- American Farm Bureau Federation.
- 80620 PERREN, G. Movimiento cooperativo mayor y el movimiento juvenil cooperativo. Rev. SanCor 9(103):10-11. May 1951. 280.28 R322
- Argentina.
- 80621 REYES BARRANCO, J. "La forma cooperativa de la vida social y económica favorece la doctrina cristiana" afirma S. S. Pfo XII. Rev. Sind. de Estadfs. 6(21):65-68. First Q. 1951. 263 Es8B
- Spain.
- 80622 RICCHIONI, V. Invasions of lands and the cooperative movement in Apulia. (In Italian.) Bari U. Facoltà di Agr. Ann. 7:161-185. 1950. 105.4 B232
- 80623 SADET, P. L'organisation professionnelle agricole. Libération Paysanne 8(321):2. July 19, 1951. 14 L61
- France.
- 80624 SANTO, M. DO E. Cooperation, old formula for important problems. (In Portuguese.) Brazil. Min. de Agr. B. 35(7/12):61-69. July/Dec. 1946, pub. 1950. 9.2 Ag83
- 80625 SASKATCHEWAN ASSOCIATION OF RURAL MUNICIPALITIES. Report of the proceedings of the forty-sixth annual convention, held at the City Hall, Regina, Saskatchewan, March 13, 14, 15 and 16, 1951. Regina, 1951. 120 p. 281.9 Sa72
- 80626 SASKATCHEWAN. DEPT. OF CO-OPERATION AND COOPERATIVE DEVELOPMENT. Why a co-operative? What it is and how it operates. Regina, 1950. 12 p. folder. 280.2 Sa72W
- 80627 SCHILL, L. Dürfen wir jetzt noch schweigen? Was wir bauernvertreter sind, wurden wir nur durch die kraft der menschen, die hinter uns stehen. Bauern Ztg. 4(22):1-2. June 1, 1951. 18 B324
- Organization in Germany.
- 80628 SCHILL, L. Der weg zu unserem ziel! Die zukunftsarbeiten des landwirtschaftlichen genossenschaftswesens in Baden. Bauern Ztg. 4(20):2. May 18, 1951. 18 B324
- 80629 SCHWEIZERISCHES BAUERNSEKRETARIAT. Cinquante-troisième rapport annuel du Comité Directeur de l'Union Suisse des Paysans et du Secrétariat des Paysans Suisses 1950. Sec. des Paysans Suisses. P. 148, 156 p. 1951. 17 Se2
- 80630 SCHWÖRER, F. J. Die würfel rollen! Wo stehen unsere badischen landwirtschaftlichen genossenschaften in dieser zeit? Bauern Ztg. 4(20):3-6. May 18, 1951. 18 B324
- Germany.
- 80631 SCOTT, H. S. United [Cooperatives, Inc.] big wheel is supply field. Washcoegg 29(2):10-11. July 1951. 47.8 W27
- 80632 SEIFER, A. Genossenschaftsbewegung und landjugend. Bad. Landwirt. Wchnbl. 118:330. May 26, 1951. 18 B142
- 80633 SIMON, G. Les possibilités de la coopération en agriculture dans les régions situées à l'Est de la Meuse dans la Province de Liège. Inst. Prov. de Coop. Agr. B. 6:8-29. June 1951. 280.29 L62
- 80634 SJÖBLOM, P. H. Vägarna och målet; funderingar av en föreningsman [Ways and means; reflections of a business man]. Stockholm, LT:s Förlag, 1950. 120 p. 280.2 Sj5
- Farm cooperatives.
- 80635 SOCIEDAD AGRICOLA DEL NORTE. Memoria anual, julio 1949-julio 1950. Agr. del Norte 40:111-120. July/Aug. 1950. 9.3 So14
- Chile
- 80636 STEINBÖCK, G. Die jugend und das genossenschaftswesen. Landwirt. Genossenschbl. f. Niederösterreich. 48(6):3-4. June 1, 1951. 280.28 L23
- 80637 STERN, J. K. A report from the American Institute of Cooperation. Rur. Electr. 9(11):19,52. Aug. 1951. 335.8 N21

80638 U. S. EXTENSION SERV. List of delegates, Twenty-First National 4-H Club Camp, 1951. Washington, 1951. 5 p. 1.9 Ex892Fbw4

80639 VÄRMLANDS LÄNS KUNGL. HUSHÄLLNINGS-SÄLLSKAP. Årsberättelse för 1949 [Annual report of the Royal Agricultural Society of the Province of Värmland]. Karlstad, 1950. 369 p. 11V43

80640 WARLAND, G. Excursion en Hollande. Fruit Belge 19:111-115. July 1951. 80 F9493 Cooperatives.

RURAL SOCIAL PSYCHOLOGY

80641 BAKER, M. Ask the farmer for advice. Feed-stuffs 23(30):48. July 28, 1951. 286.81 F322 In rural improvement.

80642 BATH, J. A. Differential interests of agricultural college students as measured by the Kuder Preference Record. Iowa Acad. Sci. Proc. 57:347-351. 1950. 500 Io93

80643 DREIER, W. H. Some recent changes in rural living which have psychological implications. Iowa Acad. Sci. Proc. 57:367-371. Ref. 1950. 500 Io93

80644 HARLOW, R. F. Can farm and city people be brought closer together? Kans. Farm Bur. News 4 (8):12. June 1951. 275.293 K132

80645 MAUE, W. Der rechte mittelpunkt. Landfrauenarbeit 26:201-203. June 30, 1951. 18 L2347 Attitudes in farming.

80646 ROMON, H. En bon père de famille. Nord Agr. 7(37):1. July 13, 1951. 14 N75

Feeling of family continuity on the farm and credit as a method of promoting it in France.

TRADE, FOREIGN AND INTERNATIONAL

80647 ACKERMANN, H. Die einfuhr von schlacht-geflügel. Eler-, Wild-, Geflügel- u. Honig-Markt 3(47):4. May 31, 1951. 280.38 E13 Germany.

80648 ALBANESE, F. Effects of the new tariff policy on agricultural production. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(50):1-2. July 12, 1951. 281.8 Ag3

80649 ARGENTINA. DIRECCIÓN NACIONAL DE GRANOS Y ELEVADORES. DIRECCIÓN DE LABORATORIOS. Calidad comercial del trigo exportado durante el año agrícola comercial 1950. Argentina. Dir. Nac. de Granos y Elevadores. B. Inform. 12:52-59. Mar. 31, 1951. 286.81 Ar3

80650 ARGENTINA. DIRECCIÓN NACIONAL DE GRANOS Y ELEVADORES. DIRECCIÓN DE LABORATORIOS. Calidad industrial del trigo exportado durante el año agrícola comercial 1950 1/12/1949-30/11/1950. Argentina. Dir. Nac. de Granos y Elevadores. B. Inform. 12:41-51. Mar. 31, 1951. 286.81 Ar3

80651 BAEHR, H. A. Potential market for U. S. wheat in Mexico detailed. Nowest. Miller 246(4):38-39, 42-43. July 24, 1951. 298.8 N81

80652 BANQUE NATIONALE POUR LE COMMERCE ET L'INDUSTRIE, PARIS. La France d'Outre Mer dans le cadre économique de l'Union Française. Banque Natl. pour le Com. et l'Indus. B. d'Inform. Econ. 62:3-10. Jan. 1951. 280.9 B2223

Includes trade in agricultural products.

80653 BERISTAIN, B. Otro toque a la exportación de vinos españoles en manos extranjeras. Semana Vitivinica. 6(250):7. Apr. 14, 1951. 95.8 Se5

80654 BERNARD, P. Les problèmes français du riz. Coopération 21:25-27. May 1951. 280.28 C7845 Trade of Indochina rice within the French Union.

80655 BOURGEOIS, L. I. The growth of the Port of New Orleans with coffee the "King of its imports." Tea & Coffee Trade J. 101(1, anniversary sect.):54-55, 106-108. July 1951. 68.8 T22

80656 BREEDVELT, J. Westeuropäischer einheitlich-markt für agrarprodukte? Wirtschaftsdiens 31(5):V38-V40. May 1951. 280.8 W74

80657 BUHL, A. The export duty. (In Danish.) Dansk Landbr. 70:327-328. July 12, 1951. 280.28 V91 On meat.

80658 CANITANO, D. Regulation of fruit and vegetable exports and essential factors for their being carried out. (In Italian.) Cong. Naz. di Frutticoltura. Atti 3:392-399. 1949, pub. 1950. 93.09 C769

English summary.

80659 CHAUHAN, S. D. S. Early trade in vegetable oils. Oils & Oilseeds J. 3(12):7-9. June 1951. 307.8 Oi54 India.

80660 COLOMER VIDAL, R. La obsesión por las melazas importadas. Semana Vitivinica. 6(244):3. Mar. 3, 1951. 95.8 Se5 Spain.

80661 COMPTON, R. U. S. tea trade changes completely in trading methods, distribution and choice of types in 50 years. Tea & Coffee Trade J. 101(1, anniversary sect.):40, 42. July 1951. 68.8 T22

80662 CUNNINGHAM, N. L. Dark-fired exports to increase this year as France, Switzerland, Sweden, take more. Tobacco [New York] 133(4):142, 172. July 26, 1951. 286.89 T552

80663 EATHER, H. W. Queensland's new pine export industry. Fruit, Flower & Veg. Trades' J. 99(22):22. June 2, 1951. 80 F946 Pineapples.

80664 FIELDING, C. Maryland has always rated high abroad for its aromatic blending properties in leaf. Tobacco [New York] 133(4):127-128. July 26, 1951. 286.89 T552

80665 FOSS, W. O. What Scandinavia imports in U. S. tobacco; Sweden leads the North in total leaf. Tobacco [New York] 133(4):137. July 26, 1951. 286.89 T552

80666 FOSTER, S. A. International tobacco trade is shipped from the great ports of Hampton Roads. Tobacco [New York] 133(4):41, 43, 45-47, 49, 51, 53, 55-57. July 26, 1951. 286.89 T552

80667 GERMANY. FEDERAL REPUBLIC (1949-) STATISTISCHES BUNDESAMT. Der aussenhandel der Bundesrepublik Deutschland. 1. Der aussenhandel im jahre 1950, zusammenfassende übersichten. Stuttgart, 1951. 37 p. 265 St2A

80668 GLEAVES, T. W. Results of a free market in Britain; pooling system still best. Primary Prod. [Cape Town] 27(10):7, 29, 31. May 18, 1951. 281.8 P93 South African citrus.

80669 GT. BRIT. RAW COTTON COMMISSION. Annual report and statement of accounts for the year ended 31st July 1950. London, 1951. 43 p. 286.3729 G792 Trade.

80670 GREEN, G. W. Honey dumping. Brit. Bee J. 79:126-127, 351-352. Feb. 17-May 5, 1951. (Cont.) 424.8 B77

80671 GREENE, R. S. Foreign trade of Farmville, North Carolina, hits high in sales of flue-cured for 1951. Tobacco [New York] 133(4):125. July 26, 1951. 286.89 T552

80672 GROS, M. Les nouvelles restrictions des exportations nord-africaines de laines et de peaux. Mouton 6:43-44. Apr. 1951. 45.8 M86

80673 HALLSTROM, G. H. Swedish fruit and foreign (In Swedish.) Trädgårdstidningen 23(3):7. Mar. 1951. 80 T67 Trade.

80674 HANSON, J. Sweden's trade with Norway. (In Swedish.) Sweden. Komkol. Kom. Meddel. 38:321-329. June 1951. 257.3 K832K

80675 HOMAN, J. L. Simply ridiculous? (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 43:125. Mar. 14, 1951. 44.9 AL3

Discusses the Western European economic union.

80676 INDONESIA. PENERBITAN KANTOR PUSAT STATISTIK. Ihtisar impor dan ekspor Indonesia mengenai beberapa tahun 1936/1941-1946/1949 [Review of the imports and exports of Indonesia, 1936/1941-1946/1949]. Djakarta, 1950. 79 p. 272 Ea7M

80677 JONES, J. Foreign business at Fuquay-Varina gains as market expands its bright facilities. Tobacco [New York] 133(4):117-118. July 26, 1951. 286.89 T552

80678 KEITH, G. W. Kentucky burley exports hold first place in growing demand abroad for this type. Tobacco [New York] 133(4):145-146. July 26, 1951. 286.89 T552

80679 KING, E. W. London grain out-turns. Westralian Farmers Co-op Gaz. 20:287-289. May 1951. 280.28 W522 Trade.

80680 KLAUS, E. Hat Holland vertragsbruch begangen? Bauern Ztg. 4(21):3. May 25, 1951. 18 B324 Fruit and vegetable trade.

80681 LAMOUR, P. Mehr ordnung in den einführen! Bas-Rhin Agr. 6:321-322. July 21, 1951. 14 B29

- 80692 LA ROSA, C. Prospects for the export of Italian cheeses in the world. (In Italian.) *Agr. Ital.* 2:195-196. Apr.15,1951. 16 Ag822
- 80693 LAWRENCE, H. E. Through most of the last half-century with the tea trade of New York City. *Tea & Coffee Trade J.* 101(1,anniversary sect.):12,119-120,122. July 1951. 66.8 T22
- 80694 LE ROUX, S. P. Unnecessary for Union [of South Africa] to import tobacco for blending. *Rhodesian Tobacco J.* 2(5):95-96. May 1950. 69.8 R34
- 80695 LOOSEN, R. Les exportations françaises de corps gras en 1950. *Oléagineux* 6:520-521. Aug./Sept. 1951. 77.8 OL2
- 80696 LOUIS-DELAMARE, J. Fifty years of European coffee trade indicates great potential for growth. *Tea & Coffee Trade J.* 101(1,anniversary sect.):48. July 1951. 68.8 T22
- 80697 MARCHAND, M. L'exportation des porcs et de la viande de porcs en 1950. *Porc* 22(3):35,37. Mar.1951. 46.8 P822
- 80698 MARTÍNEZ, G. L., JR. Growing importance of African coffee indicated by increase from under 1 before World War I to 15.7% of total world coffee exports during 1950. *Tea & Coffee Trade J.* 101(1,anniversary sect.):72,74,76-78. July 1951. 68.8 T22
- 80699 MORENO MORA, J. La naranja española en el mercado internacional. *Cult. Mod.* 34:125. Apr.1951. 15 C89
- 80700 MOSER, E. H. There's an export market at Wendell that's one of North Carolina's best. *Tobacco [New York]* 133(4):121-123. July 26,1951. 286.89 T552
- 80701 MURTHA, K. T. Lake City important South Carolina point for 1951 export trade in bright tobacco. *Tobacco [New York]* 133(4):136,148. July 26,1951. 286.89 T552
- 80702 NEUMANN, M. Praktisch angewandte solidarität. Eier-, Wild-, Geflügel- u. Honig-Markt 3(34):1. Apr.26,1951. 280.38 E13
- German egg trade.
- 80703 NEW YORK STATE BEAN SHIPPERS ASSOCIATION. Brief for the Committee for Reciprocity Information. In opposition to adding to the concessions contained in schedules XX (United States) and VI (Chile) to the general agreement on tariff and trade relative to beans, not specifically provided for, dried (par. 765, Tariff act of 1930). Washington? 1950. 22 p. 285.391 N48
- Statistical.
- 80704 OLDER, B. J. The early days of the coffee trade in San Francisco and the Pacific Coast. *Tea & Coffee Trade J.* 101(1,anniversary sect.):13,118-119. July 1951. 68.8 T22
- 80705 OLIVERO BLANCO, A. Normas generales que rigen las presentaciones ante la administración nacional; exportación de productos lácteos. *Indus. Lech.* 33:184, 186-188,190. (Cont.) Apr.1951. 44.8 In26
- Argentina.
- 80706 PAKISTAN. FOREIGN TRADE DEVELOPMENT COUNCIL. Foreign Trade Development Council: 1. Inaugural speech of Fazlur Rahman, Minister for Commerce and Education; 2. Foreign trade of Pakistan. Karachi,1950? 57 p. 286 P172
- 80707 PALMER, F. H. More Canadian grain and products imported into the Philippines. *Foreign Trade* 10:174-177. Aug.11,1951. 286.8 C162
- 80708 PIRENNE, H. Un grand commerce d'exportation au moyen age: les vins de France. *France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-Vie.* B. 37:1-20. Apr.1951. 390.9 F843
- 80709 PORTUGAL. INSTITUTO NACIONAL DE ESTATÍSTICA. Anuário estatístico do Império Colonial, 1949; Anuaire statistique de l'Empire Colonial. Lisboa, 1951. 176 p. 264 F49An
- Includes trade figures.
- 80710 PORTUGAL. INSTITUTO NACIONAL DE ESTATÍSTICA. Comércio externo, volume II, Comércio por países e mercadorias, 1950; Commerce extérieur, volume II, Commerce par pays et marchandises. Lisboa, 1951. 693 p. 264 F492
- 80711 RAHMAN, F. Strength through diversity. *Karachi Com.* 4(15):5-10. May 5,1951. 280.8 K14
- Pakistan trade.
- 80712 REBOUR, H. Une date dans les exportations algériennes des agrumes. *Fruits et Primeurs de l'Afrique du Nord* 21:202. June 1951. 80 F9482
- 80713 ROSENDORF, H. G. Development of Australian tobacco now still no handicap to American exports. *Tobacco [New York]* 133(4):17,169. July 26,1951. 286.89 T552
- 80714 SAITO, M. First million American tobacco pounds arrives in Japan as prelude of more to come. *To-bacco [New York]* 133(4):38. July 26,1951. 286.89 T552
- 80715 SALA, E. Agrarunion mit hintergedanken? *Deut. Wirtgeflügelzucht.* 3:423-424. June 2,1951. 47.8 D483
- Europe.
- 80716 SARMANHO, W. L. Creation of expanding coffee market main task of Pan-American Coffee Bureau. *Tea & Coffee Trade J.* 101(1,anniversary sect.):16,114, 116. July 1951. 68.8 T22
- 80717 SARO MORON, B. En 1950 se logró la mayor exportación del último decenio. *Rev. Sind. de Estadís.* 6(21):8-13. First Q.1951. 263 Es8B
- Sherry wine.
- 80718 SEMANA vitivinícola, extraordinario mercado exterior, No. 246/247,107 p. Mar.17/24,1951. 95.8 Se5
- Spain.
- 80719 SOUZA, A. O. DE. Still the many taxes on exchange. I. (In Portuguese.) *Lav. Arroz.* 5(50):3-9. Feb.1951. 59.8 L39
- Brazilian coffee and rice trade.
- 80720 SPENCER, S. A. In Virginia, export leaf at Dunnington's is rated high in the world-wide business. *Tobacco [New York]* 133(4):133,148. July 26,1951. 286.89 T552
- 80721 STEIN, E. Branntwein in der aussenhandelsstatistik 1950 der bundesrepublik. *Branntweinwirtschaft* 5:135-137. Apr.25,1951. 390.8 B7322
- 80722 SVÄRDSTROM, K. F. International trade with agricultural products. (In Swedish.) *Lantmannen* 35:581-583. July 28,1951. 11 L234
- 80723 SWITZERLAND. DIRECTION GÉNÉRALE DES DOUANES FÉDÉRALES. Statistique du commerce suisse, rapport annuel 1950. Fournisseurs et débouchés. Berne, 1950. 121 p. 262 D85R
- 80724 SWITZERLAND. EIDGENÖSSISCHE OBER-ZOLLDIREKTION. Jahresstatistik des aussenhandels der schweiz, v. 2, 1950. Bern,1951. 237 p. 262 Z7S
- 80725 TETLEY, G. Two big problems confront Tobacco South in export competition and auction plans. *Tobacco [New York]* 133(4):31,33,35-37,170-171. July 26, 1951. 286.89 T552
- 80726 THOMPSON, R. R. What, exactly, do leaf exports indicate to this business in the volume and value? *Tobacco [New York]* 133(4):15,75. July 26,1951. 286.89 T552
- 80727 TRADARDI, F. European trade in fruit and vegetables and Italy's position. (In Italian.) *Cong. Naz. di Frutticoltura.* Atti 3:407-418. 1949,pub.1950. 93.09 C769
- English summary.
- 80728 TREADAWAY, J. P. "Heart of the Border Belt" is Lumberton [North Carolina] which exports many bright leaf millions. *Tobacco [New York]* 133(4):77,79-80. July 26,1951. 286.89 T552
- 80729 TUCKER, R. G., and GOLDEN, M. F., comps. Fruit, United States foreign trade related to production, 1910-1949; a statistical handbook. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 60,68 p. June 1951. 1.943 F763
- 80730 ULRICH, H. Die lenkung der USA-mehlimporte unter fachlichen gesichtspunkten gesehen. *Müllerei* 4: 285-286. Apr.28,1951. 298.8 M91
- 80731 U. S. CONGRESS. HOUSE. COMMITTEE ON WAYS AND MEANS. Free importation of baled twine. Hearings, 82d Cong., 1st sess. on H. R. 1005, July 16, 17, 23, and 24, 1951. Washington,1951. 117 p.
- 80732 VANDERWAEREN, R. Sale of fruit in the year 1950. (In Flemish.) *Tuinbouwberichten* 15:91-92. June 15,1951. 80 T817
- Belgian trade.
- 80733 VAN SCHOLTE. Lots of smaller factories in Holland want U. S. exports with E. C. A. aiding. *Tobacco [New York]* 133(4):67,106. July 26,1951. 286.89 T552
- 80734 WALKER, W. F. The selection and presentation of fruit for export. *Tasmania. Dept. Agr. Tasmanian J. Agr.* 22:31-39. Feb.1,1951. 23 T182T
- Type of container and packing of apples and pears.
- 80735 WARD, D. M. Federation of African colonies may rename Rhodesian, Nyasaland tobacco in trade. *Tobacco [New York]* 133(4):16,105-106. July 26,1951. 286.89 T552
- 80736 WHEDBEE, W. L. Greenville [North Carolina]—the world's finest bright leaf tobacco market—exports more tobacco. *Tobacco [New York]* 133(4):95,97-99,149. July 26,1951. 286.89 T552

80727 WITHERINGTON, R. S. Continuous improvement marks export sales at the famous Kinston bright leaf market. Tobacco [New York] 133(4):69,71,73-74. July 26, 1951. 286.89 T552

80728 ZWINGLI, W. Zum braunvieh-export nach der Lombardei. Grüne 79:629-634. June 8, 1951. 17 Sch9 Switzerland.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

80729 ACKER, G. More vegetables on the table. Ill. Agr. Col. Ext. C. 685,24 p. June 1951. 275.29 IL62C Cooking methods and recipes.

80730 ADOLPH, W. H. Nutrition under the Chinese Communist Government. Sci. Mon. 73:128-130. Aug. 1951. 470 Sci23

80731 ADRIAENS, E. L. Recherches sur l'alimentation des populations au Kwango. Belgium. Min. des Colon. B. Agr. du Congo Belge 42:227-270. (Cont.) June 1951. 24 K83

80732 CANADIAN COUNCIL ON NUTRITION. A dietary standard for Canada approved by the Canadian Council on Nutrition, Ottawa, December 7, 1948. Canad. B. Nutr. 2(1),34 p. 1950. 389.8 C169

80733 CAUSERET, J. Carences vitaminiques et appétit. Aliment. et la Vie 39(1/3):39-45. 1951. 389.9 So1B

80734 CAUSERET, J. Points de vue pratiques de l'alimentation rationnelle, en fonction de l'âge, de l'activité et de l'état physiologique. Aliment. et la Vie 39:75-91. 1951. 389.9 So1B

80735 DUDGEON, L. T. 2nd year 4-E foods. Ariz. Agr. Col. Ext. C. 184,31 p. Mar. 1951. 275.29 Ar42 Chiefly recipes.

80736 ERKEN, H. M. C. S. Liten kokebok [A little cookbook]. Oslo, Aschehoug, 1950. 383 p. 389.25 Er4

80737 HARRINGTON, M. M. A dietary aide program. Amer. Dietet. Assoc. J. 27:636-637. Aug. 1951. 389.8 Am34

In human and animal nutrition.

80738 HENRIKSEN, J. D., and THOMSEN, N. Frugt til hverdag og fest [Fruit for everyday and for feasts]. København, Hagerup, 1950. 215 p. 389.25 H39

80739 HULSEY, M. Seasonal refreshments. Ala. Polytech. Inst. Agr. Ext. C. 420,2 p. Mar. 1951. 275.29 AL1C

Recipes.

80740 HÜTTEMEIER, K. Børnenes store kokebog [Big cookbooks for children]. København, Fremad, 1950? 72 p. 389.25 H972

80741 LUYKEN, R. Nutrition problems in the West Indies. (In Dutch.) Voeding 12:217-220. Ref. June 15, 1951. 389.8 V85

80742 MCCOLLUM, E. V. Early speculations on the significance of phosphorus in nutrition. Amer. Dietet. Assoc. J. 27:650-653. Ref. Aug. 1951. 389.8 Am34

80743 MAYER, J. Problems of tropical malnutrition. Nutr. Rev. 9:225-228. Aug. 1951. 389.8 N953

80744 MEYER, C., ed. Nutids mad og husførelse [Food and housekeeping at the present time]. Ed. 3. København, Gyldendal, 1950. 532 p. 321 M572

80745 MILLER, E., and BROWN, E. F. Facts about foods and nutrition. Utah. State Agr. Col. Ext. B. 226, 31 p. Apr. 1951. 275.29 Ut1

80746 MULDER, T. Nutrition of agricultural workers' families during 1948. (In Dutch.) Voeding 12:233-235. June 15, 1951. 389.8 V85

Netherlands.

80747 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. How to buy, cook, and serve New Jersey sweet corn. N. J. Agr. Col. Ext. L. 59,4 p. July 1951. 275.29 N46L

80748 OOMEN, H. A. P. C. Malignant malnutrition in Indonesian children. Doc. Neerland. et Indonesica de Morbis Trop. 3:49-59. Ref. Mar. 1951. 448.8 D65

80749 PATTON, S. T., and STILLMAN, G. S. Cooking for crowds. Wis. Agr. Col. Ext. C. 391,24 p. Oct. 1950. 275.29 W75C

80750 PRALL, C. E., and others. Need for training auxiliary workers to relieve the dietitian; report of the advisory committee on field studies, American hospital Association. Amer. Dietet. Assoc. J. 27:638-644. Aug. 1951. 389.8 Am34

M. A. Ohlson, M. M. Harrington, M. D. Bryan, S. H. Myers, J. Eckers, and M. Gillam, joint authors.

80751 RANDOIN, L., and DUCHÈNE, G. Place des principaux aliments dans la ration des différentes catégories de consommateurs. Aliment. et la Vie 39:92-97. 1951. 389.9 So1B

80752 RANDOIN, L. Le problème des vitamines, dans ses rapports avec l'équilibre alimentaire et l'équilibre fonctionnel. Aliment. et la Vie 39(1/3):16-38. 1951. 389.9 So1B

80753 RANDOIN, L., LE GALLIC, P., and CAUSERET, J. Tables et documents. Aliment. et la Vie 39:98-122. 1951. 389.9 So1B

Tables relating to human nutrition.

80754 RAPPORT succinct sur l'activité, en 1950, des différents laboratoires et services fonctionnant dans l'Institut de la Rue de l'Estrapade. Aliment. et la Vie 39(1/3):4-15. 1951. 389.9 So1B

Nutritional research.

80755 SCHWARTZ, R. E. Without phosphorus no thoughts. New Agr. 33(9):9. June 1951. 66.8 Su32

In human nutrition.

80756 STAUB, P. Scientific feeding of farm labour pays dividends. Rhodesian Tobacco J. 3(5):52-58. May 1951. 69.8 R34

80757 STORVICK, C. A., HATHAWAY, M. L., and NITCHALS, R. M. Nutritional status of selected population groups in Oregon. II. Biochemical tests on the blood of native born and reared school children in two regions. Milbank Mem. Fund Q. 29:255-272. Ref. July 1951. 449.9 M582

80758 TUNBERGER, P. Koklexikon [Cooking lexicon]. Stockholm, Medéns, 1950. 460 p. 389.25 T83

80759 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Cooking fresh vegetables for the school lunch. Washington, 1951. 6 p. 1.982 A2C773

U. S. Production and Marketing Administration cooperating.

80760 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. School lunch recipes using honey. Chicago, U. S. Prod. & Mktg. Admin., 1951? 7 p. 1.956 F73Sch652

80761 VALVERDE, R. Regimen alimenticio y cancer. ICA; Indus. y Com. de la Aliment. 6(65):14-16. Apr. 1951. 286.8 Ic1

80762 VAN ITALLIE, T. B. Caloric priorities in parenteral nutrition. Nutr. Rev. 9:193-197. July 1951. 389.8 N953

FOOD HABITS

80763 TAYLOR, R. H. You will eat fifty tons! Coop. Poultryman 16(8):20. Aug. 1951. 47.8 C782

American eating habits.

NUTRITIVE AND VITAMIN CONTENT

80764 ANTONIANI, C. Observations on the vitamin B2 contents of Italian milk and its products. (In Italian.) Mondo del Latte 6:334-335. June 1951. 44.8 M74

English summary.

80765 AYLWARD, F. Vitamins in the bread. Baker's Natl. Assoc. Rev. 68:1030,1035-1036. July 13, 1951. 389.8 N214

Enrichment.

80766 BALAKAR, M. Bread, our phony staff of life. Credit Union Bridge 16(6):6-9. Aug. 1951. 284.8 B76

Nutritive value.

80767 BÅNG, F. Addition of vitamin C to consumer sour milk. (In Swedish.) Svenska Mejeritidn. 43:169-172. Apr. 14, 1951. 44.8 Sv2

80768 BOTT, P. Is it of importance to preserve vitamins in preserves, frozen products, etc.? (In Danish.) Konserver 9:34. Mar. 1951. 389.8 K835

80769 CALIMERI, M. Bread as a source of calcium in the diet. III. (In Italian.) Arte Bianca 6(19):5. July 1, 1951. 389.8 Ar7

80770 CRAVIOTO B., R. O., GUSMAN G., J., and MASSIEU H., G. Mejoramiento del valor nutritivo de la tortilla. III. Efecto del calentamiento con hidróxido de calcio sobre la actividad antitriptica de la soja. *Ciencia* 11:81-82. Ref. June 1, 1951. 475 C48

80771 CRESPO, S., and BRADLEY, W. B. Calcium content of commercial bread. *Food Res.* 16:320-327. July/Aug. 1951. 389.8 F7322

80772 ECKARDT. Bedeutung und verwertung des keimlings für die ernährung. *Deut. Müller-Ztg.* 49:354-355. (Cont.) July 11, 1951. 298.8 Su2

80773 HOLMES, A. D. Store vs. delivered milk as a source of reduced ascorbic acid. *Amer. Dietet. Assoc. J.* 27:578-580. Ref. July 1951. 389.8 Am34

80774 JOHNSON, C. Wheat germ. New York, Ideal Health Books, 1950. 43 p. (A MacRichard Publication) 389.1 J63

Includes nutritive value.

80775 JØRGENSEN, H. Yeast, sirup and yoghurt. (In Danish.) *Denmark. Stat. Hushræds. Faglige Meddel.* 5:17-19. 1951. 321.9 D41F

80776 JUON, P. L. Vitamins in fruit and vegetables. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 4(56):4. Aug. 1, 1951. 281.8 Ag3

80777 LAMB, F. C., LEWIS, L. D., and WHITE, D. G. The nutritive value of canned foods; the effect of storage on the ascorbic acid content of canned tomato juice and tomato paste. *Food Technol.* 5:269-275. Ref. July 1951. 389.8 F7398

80778 LOY, H. W., JR., HAGGERTY, J. F., and COMBS, E. L. Light destruction of riboflavin in bakery products. *Food Res.* 16:360-364. July/Aug. 1951. 389.8 F7322

80779 MCGILLIVRAY, W. A. Vitamin content of New Zealand meats. I-II. *New Zeal. J. Sci. & Technol. A, Agr. Res. Sect.* 31:23-35. Dec. 1949, pub. Dec. 1950. 514 N48A

I, Methods of assay for the B group vitamins; II, Lamb and mutton.

80780 MASSACHUSETTS INSTITUTE OF TECHNOLOGY. NUTRITIONAL BIOCHEMISTRY LABORATORIES. A proposal for a nutritional study of the indigenous edible flora of undeveloped areas of the world. Cambridge, 1950. various pagings. 389.1 M384

80781 MULVANY, J. L. Valor del queso en la alimentación. *Chacra* 21(249):22. Aug. 1951. 9 C34

80782 PACINI, A. J. Why we need vitamin E. *New Agr.* 33(10):17-18. July 1951. 66.8 Su32

80783 PERROTEAU, A. Influence de différents procédés de conservation et de cuisson sur la valeur vitaminique des aliments. *Aliment. et la Vie* 39(1/3):46-62. 1951. 389.9 So1B

80784 PLATANIA, L. C. Valores plásticos y energeticos de las hortalizas. *Chacra* 21(249):26. Aug. 1951. 9 C34

80785 RANNINGER, R. Biologisch wertvolle karotten. *Gartenbauwirtschaft [Wien]* 1951:73-74. Apr. 10, 1951. 80 G1936

80786 RANSBEECK, M. P. VAN. Quelques considérations sur la valeur nutritive des aliments. *Vivres* 6(6):11-15. June 1951. 389.8 V832

80787 RAVIDA, V. Enrichment of food. (In Italian.) *Molini d'Italia* 2:205-206. May 1951. 298.8 M73

80788 RESCIGNO, G. Not of bread alone—but—! (In Italian.) *Molini d'Italia* 2:254-255. June 1951. 298.8 M73

English summary.

Flour enrichment in Italy.

80789 RESCIGNO, G. Vitamin enrichment of food preserves. (In Italian.) *Indus. Ital. delle Conserve* 26:17-20. Jan./Feb. 1951. 389.8 In23

80790 ROMITO, G. White or brown bread? (In Italian.) *Molini d'Italia* 2:202-205. May 1951. 298.8 M73

English summary.

Nutritive value.

80791 SIMPSON, I. A. The distribution of thiamine and riboflavin in rice grains; and of thiamine in parboiled rice. *Cereal Chem.* 28:259-270. Ref. July 1951. 59.8 C33

80792 SMITH, L. F. Cuba and enriched rice. *Rice J.* 54(7):20, 24-26. July 1951. 59.8 R36

80793 THOMANN, W. Die milch als nahrungsmittel. *Grüne* 79:472-477. Apr. 27, 1951. 17 Sch9

80794 WADA, T., and SAKURAI, Y. Vitamin B₂ content of domestic wheat. *Sci. Res. Inst. J.* 45(1236/1239):10-16. Mar. 1951. 513 T577

80795 WESWIG, P. H., HAAG, J. R., and PIERCE, R. T. Seasonal variation in the vitamin A potency of Oregon-produced blue vein cheese. *J. Dairy Sci.* 34:649-651. July 1951. 44.8 J822

80796 WORTH, M. Soybeans; the fabulous food that supplies meat, milk, cheese, proteins, amino acids, vitamins, minerals. New York, Ideal Health Books, 1950. 62 p. (A McRichard Publication) 389.1 W89

Nutritive value.

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

80797 ALABAMA. AGRICULTURAL EXPERIMENT STATION. List of available publications. Auburn, 1951. 4 p. 100 AL1L

80798 ANNUAL review of biochemistry, v. 20, by J. M. Luck, H. S. Loring, and G. Mackinney, eds. Stanford, 1951. 648 p. 381 An7

80799 ARIZONA. AGRICULTURAL EXPERIMENT STATION. List of available publications of the Agricultural Experiment Station and the Agricultural Extension Service. *Ariz. Agr. Expt. Sta. Spec. B.*, 19 p. May 1951. 100 Ar4L

80800 BACON, J. S. D. The science of heredity. London, Watts, 1951. 192 p. (The Thinker's Library, No. 139) 443 B13

80801 BARTLETT, K. A. The Golden Jubilee of the Federal Experiment Station in Puerto Rico. *Sugar J.* 14(3):48-49, 74. Aug. 1951. 65.8 Su391

80802 BRITISH COLUMBIA. DEPT. OF AGRICULTURE. Forty-fifth annual report, 1950. Victoria, 1951. 207 p. 7 B77R

80803 BRODINE, A. M. Special report on farm chemicals packaging. *Amer. Fert. & Allied Chem.* 114(7):11-12. July 1951. 57.8 Am3

80804 BRUCE, J. V. Rats on the farm. *Utah. State Agr. Col. Ext. B.* 251, 12 p. June 1951. 275.29 Utl

Includes control measures.

80805 CALIFORNIA. AGRICULTURAL EXPERIMENT STATION. Agricultural publications. *Rev. sup. Berkeley?* 1951. 7 p. 100 C12Li

80806 CAULLERY, M. J. G. C. Le parasitisme et la symbiose. Ed. 2. Paris, Doin, 1950. 358 p. (Encyclopédie Scientifique) 442 C31

80807 COMMON, R. H. Objectives in agricultural chemistry. *Agr. Inst. Rev.* 6(3):11-15, 25. May 1951. 7 Ag8

80808 CONFERENCE INTERNATIONALES DES AFRICANISTES DE L'QUEST, 1, DAKAR, 1945. *Comptes rendus.* 1. Paris, 1950. 531 p. 515 C762C

80809 CYPRUS. DEPT. OF AGRICULTURE. Annual report for the year 1950. Nicosia, 1951. 16 p. 21 C99

80810 DAVIS, W. W. Energía atomica para la actividad agropecuaria. *Selec. Rur.* 6:45-49. Apr./June 1951. 9.9 Se4

80811 EKLUNDH, A., and CURRY-LINDAHL, K., eds. *Natur i Småland [Nature in Småland]*. Stockholm, Bokförlaget Svensk Natur, 1950. 442 p. 409 Ek5

Includes agriculture, forests and vegetation.

80812 GAMBIA. DEPT. OF AGRICULTURE. Annual report for the year ending 31st May, 1949. Bathurst, 1950. 8 p. 24 G14

80813 HEJE, K. K. Lomme-almanakk for jordbrukere, skogbrukere, meierister og hagebrukere [Pocket almanac for farmers, foresters, dairy workers and gardeners], 59, 1951. Oslo, 1951. 2 v. 11 H36L

80814 HUDSON, W. D. Statutory control of pesticides. *Agr. Chem.* 6(8):37-40, 92-93, 95. Aug. 1951. 381 Ag8

80815 INOUE, K. General agricultural chemicals control law. (In Japanese.) *Jap. J. Plant Protect.* 19:32-35. Jan. 1951. 421 J27

80816 INOUE, K. Prospects of supply of agricultural chemicals for 1951. (In Japanese.) *Jap. J. Plant Protect.* 20:2-5. Feb. 1951. 421 J27

80817 IOWA ACADEMY OF SCIENCE. Proceedings of the sixty-second session, held at Iowa City, April 21 and 22, 1950, v. 57. Des Moines, 1950. 554 p. 500 Io93

- 80818 JAMAICA. DEPT. OF AGRICULTURE. Annual report for the year ended 31st March, 1950. Kingston, 1951. 18 p. 8 J227A
- 80819 KOENIG, N. Milestones at Mayaguez. Sugar J. 14(3):52,54. Aug. 1951. 65.8 Su391
Puerto Rico Federal Experiment Station.
- 80820 LEEWARD ISLANDS. AGRICULTURAL DEPT. 1949 annual report. Antigua, 1951. 14,48,40 p. 8 L513
- 80821 LITTLE, D. H. Just how effective is Warfarin? Food Engin. 23(8):69,180-181. Aug. 1951. 389.8 F737
- 80822 MARTINEZ ANDREU, A. Exterminio de ratas y ratones. Agrotecnia 5:34-39. May/June 1951. 8 Ag825
- 80823 MICHIGAN STATE BOARD OF AGRICULTURE. Eighty-ninth annual report, and sixty-third annual report, Agricultural Experiment Station, July 1, 1949 to June 30, 1950. Lansing, 1950. 260 p. 2 M58R
- 80824 NIGERIA. AGRICULTURAL DEPT. Annual report for the year 1949-50. Kaduna, 1951. 92 p. 24 N563
- 80825 NORTH CAROLINA. DEPT. OF AGRICULTURE. Growing with N. C. agriculture; biennial report, 1948-1950. Raleigh, 1951. 187 p. 2 N81R
- 80826 OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Farm and home bulletins. Columbus, 1951. 2 p. 275.29 Oh32F
- 80827 PATIÑO, V. M. Un quinquenio al servicio de la agricultura vallecaucana. Valle del Cauca. Sec. de Agr. y Ganad. Serv. de Divulg. Ser. Inform. 3(8), 93 p. Feb. 1950. 9.4 C715
On the Secretaría de Agricultura y Ganadería of the Departamento del Valle del Cauca; part II consists of the annual report for 1949.
- 80828 PERSSON, E., and CURRY-LINDAHL, K., eds. Natur i Gästrikland [Nature in Gästrikland]. Stockholm, Bokförlaget Svensk Natur, 1950. 329 p. 409 P432
Includes agriculture, insects and plants.
- 80829 PETROSINI, G. Warfarin, the most modern raticide. (In Italian.) Terra e Sole 107:277. July 1951. 16 T273
- 80830 REIFF, M., and WIESMANN, R. Untersuchungen über ein neues rodentizid mit kumulativer Wirkung auf basis der cumarin-derivate. Acta Trop. 8:97-130. Ref. 1951. 475 Ac8
English summary.
3-(α -p-chlorophenyl- β -acetyethyl)-4-hydroxycoumarin.
- 80831 SALTER, R. M. Chemicals as farming tools. Science 114(2956):3. Aug. 24, 1951. 470 Sci2
- 80832 SIGLER, W. F. The life history and management of the mountain whitefish *Prosopium williamsoni* (Girard) in Logan River, Utah. Utah. Agr. Expt. Sta. B. 347, 21 p. Ref. May 1951. 100 Ut1
- 80833 TAKEUCHI. General registered agricultural chemicals. (In Japanese.) Jap. J. Plant Protect. 19:35-36. Jan. 1951. 421 J27
- 80834 TEAL, M., and GISH, N. R. Splitting atoms for farmers; technicians at Oregon State College trace radioactive elements in tests. Sunday Oregonian, Farm, Home, Gard. 1951:15. May 27, 1951. 6 Su7
- 80835 UGANDA. DEPT. OF AGRICULTURE. Annual report for the year ended 31st December, 1949. Entebbe, 1951. 45 p. 24 Ug12
- 80836 UNITED PROVINCES. DEPT. OF AGRICULTURE. Annual administration report for the year ending June 30, 1949. Allahabad, 1950. 125 p. 22 Un33
- 80837 WIELEN, H. G. W. VAN DER. Belgian agriculture. IV. Belgian farmers and their Ministry of Agriculture. (In Dutch.) Groninger Landbbl. 29(25):6. June 23, 1951. 12 G892
- HISTORY AND BIOGRAPHY**
- 80838 BELTRAN, E. A la memoria del profesor Carlos de la Torre (1858-1950), socio honorario de la Sociedad Mexicana de Historia Natural. Soc. Mex. de Hist. Nat. Rev. 11:305-309. Dec. 1951. 516 Sol5
- 80839 BOSE, B. B. Obituary: Shree C. C. Ghosh, Retd. Dy. Director of Sericulture Bengal (1881-1949). Indian J. Ent. 11:227-228. Dec. 1949, pub. Feb. 1951. 420 In23
- 80840 CANIZO, J. DEL. Ettore Malenotti (1887-1949). Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:303-305. 1949, pub. 1950. 464.9 M26
- 80841 CANIZO, J. DEL. Ottavio Munerati (1875-1949). Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:305-307. 1949, pub. 1950. 464.9 M26
Includes list of his publications.
- 80842 CANIZO, J. DEL. Teodoro Ferraris (1874-1943). Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:301-302. 1949, pub. 1950. 464.9 M26
- 80843 CARTER, J. E. Glad biographies: Harry Hazelton Knight. No. Amer. Gladiolus Council. B. 26:39-41. June 1951. 96.43 N81
- 80844 COLDEVIN, A. Norske storgårder; delvis på grunnlag av Wladimir Moe: Norske Storgårde [Norwegian estates; partly based on Wladimir Moe: Norwegian Estates]. Oslo, Aschehoug, 1950. 2 v. 296 C672
- 80845 DYBAS, H. S. Albert Burke Wolcott, 1869-1950. Coleopterists' B. 5:33-38. Ref. June 1951. 421 C674
Includes list of his publications.
- 80846 FENGER, V. H. Landbrugets historie; en Danmarkshistorie for landbrugets unge [The history of agriculture; a history of Denmark for farm youth]. Ed. 3. København, Andelsbogtrykkeriet i Odense, 1950. 118 p. 282.173 F35
- 80847 FIEDLER, O. Richard Scheuermann, 1873-1949. Rev. Sudamer. de Bot. 10:29. Apr. 1951. 450 R3242
- 80848 GARCIA-BADELL, G. La agricultura en la Roma Antigua. Spain. Min. de Agr. Serv. de Capacitación y Propag. Monog. 3, 299 p. 1951. 15 Sp14M
- 80849 GEODAKIAN, O. A. The great Russian scientist-revolutionary. (In Russian.) Akad. Nauk Armianskoi SSR. Izv. Biol. i Sel'skokhoz. Nauk 3:289-294. 1950. 20 Er4
K. A. Timiriachev.
- 80850 GOLDSTON, P. Presenting Dr. J. P. Delaplane. Sows. Vet. 4(3):9,19. Mar. 1951. 41.8 So82
- 80851 HARVEY, N. The story of a Norfolk landowner. Land Agents' Soc. J. 50:301-302. July 1951. 282.9 L22
Edward Harbord, third Lord Suffield.
- 80852 HAWES, A. F. Henry Solon Graves, an appreciation. Conn. Woodlands 16:21-22. June 1951. 99.8 C76
- 80853 HAYDEN, A., and MARTIN, J. N. Henry Elijah Summers, 1863-1949. Iowa Acad. Sci. Proc. 57:59-60. 1950. 500 Io93
- 80854 JOHNSON, C. W. Burial place of Johnny Appleseed to be beautified. Mega 11(2):22-24. Mar. 1951. 90 M52B
- 80855 KEUNE, O. Männer, die nahrung schufen. Übersicht 2(3):19-24. July 1951. 18 Ub3
Agricultural history in Germany.
- 80856 LAIDLAW, H. H. Dr. Warwick E. Kerr—visiting bee geneticist. Amer. Bee J. 91:347. Aug. 1951. 424.8 Am3
- 80857 LESOTEKHNIKESKAJA AKADEMIJA IM. S. M. KIROVA. KAFEDRA LESOVODSTVA. In memoriam of the great scientist, professor M. E. Tkachenko. (In Russian.) Lesn. Khoz. 4(2):77-79. Feb. 1951. 99.8 L5622
- 80858 LIMA, H. F. A century of São Paulo economy. (In Portuguese.) Observador Econ. e Financ. 16(182):45-48, 129. Mar. 1951. 280.8 Ob72
Includes agricultural development.
- 80859 MEINERS, E. P. Harold I. O'Bryne (1898-1951). Lepidopterists' News 5:11-12. Ref. 1951. 421 L554
- 80860 MIKHEEV, N. M. Fruit grower N. A. Krasnoglazov. (In Russian.) Sad i Ogorod 2:41-42. Feb. 1951. 80 Sa13
Historical account.
- 80861 MORTON, C. V. William Ralph Maxon, 1877-1948. Rev. Sudamer. de Bot. 10:27-28. Apr. 1951. 450 R3242
- 80862 OBITUARIES. Soc. Brit. Ent. J. 3:285-287. Apr. 26, 1951. 420 En85J
Henri L. F. Audcent, A. H. Hamm, and Agnes Adam Meikle.
- 80863 OLIVA, A. Developments of prehistory in national agriculture. (In Italian.) Humus 7(5):22-24. May 1951. 16 H88
Italy.
- 80864 PALMER, E. Dutch soldier who named the Orange River, romantic career of Colonel Robert Gordon-explorer, artist and writer—revealed by botanists' researches in Amsterdam Museum. Veldtrust 12(2):20-21. Feb. 1951. 56.8 V54
- 80865 PLAIR, T. B. John Frederick Preston. J. Forestry 49:528-529. July 1951. 99.8 F768
- 80866 PUSEN, H. Landwirtschaft am Nil in altägyptischer Zeit. Übersicht 2(2):13-15. Apr. 1951. 18 Ub3
- 80867 RAO, Y. R. Obituary: Dr. Augustus Daniel Imms (1880-1949). Indian J. Ent. 11:229-230. Dec. 1949, pub. Feb. 1951. 420 In23

- 80868 RAZUMOV, V. P. E. F. Ziablovskii. (In Russian.) Lesn. Khoz. 4:87-89. Jan. 1951. 99.8 L5622
His contributions to forestry.
- 80869 ROBERTSON, T. C. Hugh Bennett's life story becomes a legend. Veldtrust 12(3):19-21,31. Mar. 1951. 56.8 V54
- 80870 ROEPKE, W. In memoriam Dr. J. C. Koningsberger. (In Dutch.) Ent. Ber. 13:257-258. May 1, 1951. 420 N38B
- 80871 ROEPKE, W. In memoriam [Hendrik Lucht]. (In Dutch.) Ent. Ber. 13:286. June 1, 1951. 420 N38B
- 80872 ROLLINS, R. C. Merritt Lyndon Fernald. 1873-1950. Torrey Bot. Club. B. 78:270-272. May/June 1951. 451 T63B
- 80873 ROOKSBY, E. Adrian Hardy Haworth (1767-1833). Desert Plant Life 23:41-43. Apr. 1951. 450 D45
- 80874 SCHWOEBEL, F. W. Philadelphia's Langstroth—father of American beekeeping; an early minister invented the basic hive and wrote the basic book while preaching and teaching a century ago. Frontiers 15:134-136. June 1951. 410 F92
- 80875 SHANTZ, H. L. Forrest Shreve 1878-1950. Ecology 32:365-367. July 1951. 410 Ec7
Includes list of his publications.
- 80876 SJÖBECK, M. South Småland's heather clearings. (In Swedish.) In Eklundh, A., and Curry-Lindahl, K., eds. Natur i Småland, p.297-307. Stockholm, Bokförlaget Svensk Natur, 1950. 409 Ek5
History.
- 80877 SMITH, A. C. Dr. H. A. Gleason retires from the New York Botanical Garden. Gard. J. 1:53,56. Mar./Apr. 1951. 80 G1635
- 80878 SPARCK, R. Poul Helveg Jespersen. (In Danish.) Dansk. Nathist. For. Vidensk. Meddel. 112:V-IX. 1950. 502 D232
Includes list of his publications.
- 80879 THORGRIMSON, MRS. O. B. William Fraser Tolmie, Meredith Gairdner; physicians, traders, naturalists. Arboretum B. 14(2):7-9,21. Summer 1951. 451 Ar1
- 80880 VAVILOV, P. P. Pioneer of northern agriculture (A. V. Zhuravskii, 1882-1914). (In Russian.) Sovet. Agron. 9(4):82-84. Apr. 1951. 20 So84
- 80881 WEISS, H. B. Rodrigues Ottolengui, 1861-1937. N. Y. Ent. Soc. J. 59:93-98. June 1951. 420 N48J
- 80882 WIEL, P. VAN DER. In memoriam Dr. D. Mac Gillavry. (In Dutch.) Ent. Ber. 13:241. Apr. 1, 1951.

HOME MANAGEMENT

- 80883 CHURCH, H. L. Stay stitching makes sewing easier. Ariz. Agr. Col. Ext. C. 180,5 p. Jan. 1951. 275.29 Ar42
- 80884 CUSHMAN, E. M. Centers for your work and leisure. N. Y. Agr. Col. Cornell Ext. B. 811,16 p. May 1951. 275.29 N48E
- 80885 ELLIS, L. B. Make it of plastic. Ala. Polytech. Inst. Agr. Ext. C. 416,4 p. Jan. 1951. 275.29 AL1C
- 80886 ELLIS, L. B. Secrets to smart sewing. Ala. Polytech. Inst. Agr. Ext. C. 417,16 p. Feb. 1951. 275.29 AL1C
- 80887 MITCHELL, S. High, just right, low—how do you work? Ala. Polytech. Inst. Agr. Ext. C. 415,4 p. Jan. 1951. 275.29 AL1C
- 80888 MITCHELL, S. Make your home tasks easier. Ala. Polytech. Inst. Agr. Ext. C. 410,4 p. Jan. 1951. 275.29 AL1C
- 80889 MITT bästa knep; goda råd från husmor till husmor [My best trick; good advice from housekeeper to housekeeper]. Västerås, ICA-Förlaget, 1950. 77 p. 321 M69
- 80890 NATIONAL CONFERENCE OF HOME ECONOMICS EXTENSION WORKERS, WASHINGTON, 1951. What adjustments are ahead in home demonstration work? Report. Washington, U. S. Ext. Serv., 1951. 78 p. 1.913 C3H753
- 80891 NOYES, H., and PATTISON, A. When you buy household equipment. Wash. State Col. Ext. Mimeog. 1039,8 p. n.d. 275.29 W27Mi
- 80892 PEAUVY, A. Repairing innerspring cushions. Ala. Polytech. Inst. Agr. Ext. C. 412,8 p. Jan. 1951. 275.29 AL1C
- 80893 ROBB, B. B. Care and adjustment of the sewing machine. N. Y. Agr. Col. Cornell Ext. B. 815,38 p. Aug. 1951. 275.29 N48E

- 80894 U. S. EXTENSION SERV. Home economics information. Washington, 1951. 2 p. 1.913 H4H755
- 80895 WILSON, M. C., and MOE, E. O. Effectiveness of television in teaching sewing practices. U. S. Ext. Serv., Ext. Serv. C. 466,35 p. June 1951. 1.9 Ex892Esc

INTERNATIONAL RELATIONS

- 80896 CALLISTER, G. J. International agricultural conference in Latin America. Agr. Inst. Rev. 6(3):35,37-38. May 1951. 7 Ag8
Joint meeting of the Inter-American Conference on Agriculture of the Organization of American States and the Latin American Regional meeting of the Food and Agriculture Organization of the United Nations.
- 80897 CERVI, V. New seat at Rome assigned to the F. A. O. (In Italian.) Agr. Ital. 2:206,211. Apr. 15, 1951. 16 Ag822
- 80898 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO: what it is; what it does; how it works. Washington, 1951. 7 p.-folder. 389.9 F735Le
- 80899 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. WORKING PARTY ON PROGRAM OF WORK AND ASSOCIATED LONG-TERM PROBLEMS. Report to the Council and to member countries. Rome, 1951. 44 p. 389.9 F7355
- 80900 MCCORMICK, C. J. Beyond today's horizon. Washington, U. S. D. A., Off. Sec., 1951. 7 p. 1.91 A2M132
Summary of remarks at the twelfth FAO Council Session in Rome, Italy, June 11, 1951.
The Food and Agriculture Organization of the United Nations and its contribution to a better world.

METEOROLOGY

- 80901 ANGELI, A. Meteorological phenomena. (In Italian.) Seme 2:125. June 1950. 16 Se5
Effects on plants and animals.
- 80902 ÇOLAŞAN, U. E. La condition atmosphérique dans notre pays au cours de la deuxième moitié de l'année agricole 1949-1950. (In Turkish.) Türkiye Cumhuriyeti Ziraat Bankası. Uç Ayda Bir Çıkar 19:199-210. July/Sept. 1950. 280.9 T842
- 80903 COX, E. F. Meteorological observations for May 1951. Mass. Agr. Expt. Sta. Met. Ser. B. 749,4 p. May 1951. 100 M38H
- 80904 DECKER, W. L. Probability of killing freezes in Missouri. Mo. Agr. Expt. Sta. B. 555,27 p. June 1951. 100 M693
- 80905 KERN, H. Die niederschlagsverhältnisse im unteren Altmühltal. Landwirt. Jahrb. f. Bayern 28(3/4):34-40. Mar./Apr. 1951. 18 L24
- 80906 LEAVER, J. M. Long range forecasting. Pulp & Paper Mag. Canada 52(8):109-110,112. July 1951. 302.8 P96
Weather.
- 80907 PERRONE, F. Agricultural importance of precipitation. (In Portuguese.) Rev. Agron. [Porto Alegre] 15(169/173):46-50. Jan./Apr. 1951. 9.2 R325
- 80908 PULVERMACHER, K. Artificial rain in South Africa. Discovery 12:219-220. July 1951. 472 D63
- 80909 ROULLEAU, La pluie artificielle. Colon Franç. de Tunisie (ser. 7)44(2199):1,3. (Cont.) May 26, 1951. 24 C712
- 80910 SANTOMAURO, L. New hail control methods. (In Italian.) B. dell'Agr. 85(3):1-2. Feb. 9, 1951. 16 B87
- 80911 SHIPCHINSKIĬ, A. V. On the study of rain belts. (In Russian.) Ukraine. Sovet po Izuch. Proizvoditel'nykh Sil. Otd. Sel'skokhoz. Nauk Agroklīm. Uslovīā Stepi Ukrain. SSR i Puti Ikħ Uluchsheniā; Trudy Konf. 1:50-54. 1950. 20 Uk73
- 80912 SMITH, L. P. Spells of rainless weather. Grower [London] 36:115-116. July 21, 1951. 286.83 M34
England.
- 80913 SPECIALE, J. Make the rain fall! (In Italian.) Lotte Contadine 2(7):4. Apr. 25, 1951. 16 L91

PERSONNEL

- 80914 JACKSON, M. T. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1950-51. U. S. D. A. Agr. Handb. 15, 213 p. June 1951. 1 Ag84Ah

RESEARCH

80915. AGRICULTURE'S future: research or subsidies? *Chemurg. Digest* 10(8):4-11. Aug. 1951.

381 N213Na

Panel discussion at National Farm Chemurgic Council; participants: F. R. Campbell, H. S. Cleveland, W. Langhorst, D. Sigg, H. Silcott, E. H. Voss; W. McMillen, presiding.

80916. AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Second annual report for the year ending 30th June, 1950. Canberra, 1950. 157 p. 514 Au723

Includes agricultural research.

80917. CYPRUS. DEPT. OF AGRICULTURE. Annual report for 1950, appendix V; annual report of the Agricultural Research Officer for 1950. Nicosia, 1951. 16 p. 21 C99

80919. ESTAÇÃO AGRÍCOLA CENTRAL. Working plan of the Central Agricultural Station. (In Portuguese.) *Agron. Angolana* 4:105-111. 1950. 24 Ag83

English summary.

By M. V. T. Pessanha, Director.

80919. FISHER, C. H. Research progress at the Southern Regional Research Laboratory. In U. S. Southern Regional Research Laboratory. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951, p. 21-22. New Orleans, 1951. 1.9321 S2P942

80920. FLORIDA. AGRICULTURAL EXPERIMENT STATION. Annual report for the fiscal year ending June 30, 1950. Gainesville, 1951? 263 p. 100 F66S

80921. GRAHAM, V. E. Industrial support for agricultural research. *Agr. Inst. Rev.* 6(3):27-28, 30. May 1951. 7 Ag8

80922. GRAHAM, V. E. Is there no new thing? Saskatchewan Assoc. Rur. Munic. Rpt. Proc. 46:10-17. 1951. 281.9 Sa72

Agricultural research.

80923. GT. BRIT. COLONIAL OFF. Colonial research 1950-1951. London, 1951. 243 p. (Cmd. 8303) 330.9 G7973

80924. KENTUCKY. AGRICULTURAL EXPERIMENT STATION. Results of research in 1950; 63rd annual report. Lexington? 1951? 72 p. 100 K41

80925. LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Research in agriculture; annual report, 1949/50, by I. L. Forbes, comp. Baton Rouge, 1951. 192 p. 100 L93

80926. MARIMPIETRI, L. Visit to an agricultural station. (In Italian.) *Terra e Sole* 107:247-250. July 1951. 16 T273

Research in Italian experiment stations.

80927. NATIONAL RESEARCH COUNCIL OF CANADA. Thirty-fourth annual report, 1950-51. Ottawa, 1951. 12, 44 p. 330.9 C16

80929. NEVILLE, H. A. D. Die organisation der landwirtschaftlichen forschung in England. Bundesanst. f. Alpine Landwirt. Veröffentl. 4:12-19. 1951. 19 Ad6

80929. PRESCOTT, J. A. British agricultural research stations; the Waite Agricultural Research Institute, Adelaide, South Australia. *Brit. Agr. B.* 4:62-67. July 1951. 10 B776

80930. RICHTER, J. Science at work for agriculture: The Beltsville story. 2-4, 6. Cotton Gin & Oil Mill Press 52(15):12, 14; (16):12, 14; (17):41-42; (19):40-41. July 21-Aug. 18, Sept. 15, 1951. 304.8 C822

80931. ROSS, I. C. Some aspects of the work of C.S.I.R.O. [Commonwealth Scientific and Industrial Research Organization]. *Textile J. Austral.* 26:266-268. May 21, 1951. 304.8 T3134

Includes agricultural research.

80932. RUSSELL, SIR J. What we owe to Rothamsted. II. The last half century. *Westralian Farmers Co-op Gaz.* 20:255-257. Apr. 1951. 280.28 W522

80933. RUTGERS UNIVERSITY, NEW BRUNSWICK, N. J. Rutgers and the UN program, by G. G. Weigend. New Brunswick, 1950. 103 p. 330 R93

Includes projects of interest to the College of Agriculture.

80934. SCOTLAND. HILL FARM RESEARCH COMMITTEE. Hill farm research; report. Edinburgh, Dept. of Agriculture, 1951. 133 p. 32 Sco3

80935. SOUTH DAKOTA ACADEMY OF SCIENCE. Proceedings thirty-fifth annual meeting, 1950, v. 29. Vermillion, 1950. 140 p. 500 So82

80936. U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951. New Orleans, 1951. 47 p. 1.9321 S2P942

Some agricultural research.

80937. WANT, J. P. H. VAN DER. Electron microscope and its importance in biological research. (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 14:363-371. June 1951. 86 N384

80938. ZELLER, A. Die neuen verfahren zur berechnung und anlage landwirtschaftlicher versuche. Bundesanst. f. Alpine Landwirt. Veröffentl. 4:43-68. Ref. 1951 19 Ad6

STATISTICS

80939. FEDERER, W. T. Evaluation of variance components from a group of experiments with multiple classifications. *Iowa. Agr. Expt. Sta. Res. B.* 380:241-310. Ref. May 1951. 100 Io9

80940. PASCHAUER, L. Statistical and economical study of yield per hectare. (In Czech.) *Czechoslovakia. Stát. Urad Statis. Statist. Obzor* 30:249-258. Sept./Dec. 1950. 266.8 St1

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

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Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agricultural Handbooks

JACKSON, M. T. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1950-51. U. S. D. A. Agr. Handb. 15, 213 p. June 1951. 1 Ag84Ah

Agricultural Information Bulletins

REIZENSTEIN, H. H., and BITTING, H. W. Farm-to-retail margins from Appalachian apples marketed in Pittsburgh, 1949-50 season. U. S. D. A. Inform. B. 44,26 p. Apr. 1951. 1 Ag84Ab

U. S. BUR. OF AGRICULTURAL ECONOMICS. Use of fruits by Chicago bakers. U. S. D. A. Agr. Inform. B. 42,87 p. June 1951. 1 Ag84Ab

WHITTEN, M. E. The grading of cottonseed. U. S. D. A. Agr. Inform. B. 39,66 p. Ref. May 1951. 1 Ag84Ab

Circulars

TENHET, J. N., and BARE, C. O. Control of insects in stored and manufactured tobacco. U. S. D. A. C. 869,32 p. Ref. June 1951. 1 Ag84C
Supersedes U. S. Dept. of Agriculture Circular 635.

TOOLE, E. H., and others. Injury to seed beans during threshing and processing. U. S. D. A. C. 874,10 p. June 1951. 1 Ag84C

V. K. Toole, B. J. Lay., and J. T. Crowder, joint authors.

VANSELL, G. H. Use of honey bees in alfalfa seed production. U. S. D. A. C. 876,11 p. June 1951. 1 Ag84C

Home and Garden Bulletins

BOSWELL, V. R., and WESTER, R. E. Growing vegetables in town and city. U. S. D. A. Home & Gard. B. 7,39 p. Apr. 1951. 1 Ag84Hg
Formerly U. S. D. A. Misc. P. 538.

Leaflets

BOSWELL, V. R. Okra: culture and use. U. S. D. A. L. 305,8 p. July 1951. 1 Ag84L
Supersedes Farmers' Bulletin 232.

Miscellaneous Publications

U. S. FOREST SERV. Living and forest lands; a guide for study groups especially interested in the social and economic aspects of forests and forestry. U. S. D. A. Misc. P. 388, slightly rev., 45 p. 1951? 1 Ag84M

Program Aid

NATIONAL BRUCELLOSIS COMMITTEE. Procedures for control and eradication of brucellosis. U. S. D. A. PA-172,6 p.-folder. June 1951. 1 Ag84Pro

U. S. PRODUCTION AND MARKETING ADMIN. Mobilizing our land power. U. S. D. A. PA-176,8 p.-folder. June 1951. 1 Ag84Pro

U. S. RURAL ELECTRIFICATION ADMIN. The educational job ahead as co-op leaders see it. U. S. D. A. PA-165,23 p. 1951. 1 Ag84Pro
Summary of talks, discussions, and reports of the Conference on the Electrification Advisers Programs, Washington, D. C., Dec. 4-7, 1950.

Statistical Bulletins

U. S. BUR. OF AGRICULTURAL ECONOMICS. Dairy statistics and related series. U. S. D. A. Statis. B. 100,87 p. June 1951. 1 Ag84St

U. S. BUR. OF AGRICULTURAL ECONOMICS. DIV. OF FIELD CROP STATISTICS. Fluctuations in crops and weather, 1866-1984. U. S. D. A. Statis. B. 101, 183 p. June 1951. 1 Ag84St

Unnumbered Publications

BUSINESS SCREEN. The film program of the United States Department of Agriculture. Washington, U. S. Dept. Agr., 1950. 14 p. 1 Ag85FiL

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. State Experiment Station - Southern Laboratory Conferences, March 19-21, 1951. New Orleans, 1951. 47 p. 1.9321 S2P942

AGRICULTURAL ECONOMICS, BUREAU OF

BRODELL, A. P., and KENDALL, A. R. Farm consumption of liquefied petroleum gases. U. S. Bur. Agr. Econ. FM-87,7 p. July 1951. 1.941 L6F22

BRODELL, A. P., and BURKHEAD, C. E. Spraying and dusting major field crops. U. S. Bur. Agr. Econ. FM-88,6 p. July 1951. 1.941 L6F22

IBACH, D. B., and MARX, R. E. Fertilizer and lime used on crops and pasture, 1947. U. S. Bur. Agr. Econ. FM-86,31 p. June 1951. 1.941 L6F22

STOKSTAD, C. A. How selected specialty crops were produced in the Boise and Payette Valleys of Idaho, 1947. U. S. Bur. Agr. Econ. FM-89,38 p. June 1951. 1.941 L6F22

STRICKLER, P. E., and SMITH, P. W. Source of heat for brooding chicks. U. S. Bur. Agr. Econ. FM-90,6 p. June 1951. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock and poultry inventory (as of January 1, 1951). Fargo, 1951. 2 p. 1.941 H8L754

U. S. BUR. OF AGRICULTURAL ECONOMICS. Cattle on feed, July 1, 1951. Washington, 1951. 1 p. 1.9 Ec742Cat

U. S. BUR. OF AGRICULTURAL ECONOMICS. Chief factors underlying general changes in rail freight rates, with special reference to farm products, 1910-51, by E. Limmer. Washington, 1951. 58 p. 1.941 M2C43

U. S. BUR. OF AGRICULTURAL ECONOMICS. Commercial truck crops for fresh market; usual planting and harvesting dates and principal producing areas, by seasonal groups and States. Washington, 1951. 89 p. 1.941 M1C73

U. S. BUR. OF AGRICULTURAL ECONOMICS. Markets for the products of Alaska cropland, by H. A. Johnson and W. Calhoun. Washington, 1950. 50 p. 100 AL122

Alaska Agricultural Experiment Station cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Planting and fertilizing corn, by A. P. Brodell and J. C. Scholl. Washington, 1951. 8 p. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Stocks of grains and oilseeds in off-farm positions by States, by H. R. Walker, D. D. Pittman, J. C. Scholl, and R. F. Gurtz. Washington, 1951. 40 p. 1.941 H2G763

U. S. BUR. OF AGRICULTURAL ECONOMICS. Virginia apple processors report for 1950. Richmond, 1951. 1 p. 1.941 S8Ap52

Virginia Department of Agriculture, Division of Agricultural Statistics cooperating.

WELLS, O. V. Objectives and character of the Government's mobilization program. Washington, U. S. Bur. Agr. Econ., 1951. 3 p. 1.941 F3W46
Summary of address at Field Conference, Rural Electrification Administration, Salt Lake City, June 25, 1951.

AGRICULTURAL RESEARCH ADMINISTRATION

COWAN, J. C. Soybeans provide better glue for shotgun shells. U. S. Agr. Res. Admin. Res. Achvt. Sheet 140(C), 2 p. June 1951. 1.98 R31

ANIMAL INDUSTRY, BUREAU OF

U. S. BUR. OF ANIMAL INDUSTRY. Information concerning the study and practice of veterinary medicine. Washington, 1951. 2 p. 1.972 A2In32

U. S. BUR. OF ANIMAL INDUSTRY. Physical composition of fryer rabbits of prime, choice, and commercial grades, by O. G. Hankins, R. L. Hiner, G. S. Templeton, and C. E. Kellogg. Washington, 1951. 7 p. 1.972 A2P562

U. S. BUR. OF ANIMAL INDUSTRY. Publications on fur farming, rabbits, and laboratory animals. Washington, 1950. 8 p.-folder. (List No. 9) 1 P96Lf

ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

DUDLEY, J. E., JR., and BRONSON, T. E. Control of the pea aphid [*Macrosiphum pisi*] in the East. U. S. Bur. Ent. & Plant Quar. EC-16, 10 p.-folder. July 1951. 1.967 A2Ec1

FLEMING, W. E., and MAINES, W. W. Experiments with toxaphene against the Japanese beetle [*Popillia japonica*]. U. S. Bur. Ent. & Plant Quar. E-821, 9 p. July 1951. 1.9 En83

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant-quarantine import restrictions of Japan. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 470, rev., 5 p. June 8, 1951. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant-quarantine import restrictions of the Republic of Chile. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 511, rev., 10 p. June 8, 1951. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions on fresh fruit of selected foreign countries, by R. Faxon. Washington, 1951? 4 p. 1.967 F3P69

EXPERIMENT STATIONS, OFFICE OF

HUME, E. P. Some ornamental shrubs for the Tropics. P. R. Fed. Expt. Sta. (Mayaguez) C. 34, 151 p. Ref. May 1951. 1 Ex65

EXTENSION SERVICE

BROWN, L. H., comp. Farm labor; report to Growers' and Processors' Committee. Summary of research work in progress and plans for future projects and activities by Michigan State College which have a bearing on increasing farm labor efficiency and improving employer relationships on farms. Washington, U. S. Ext. Serv., 1951. 11 p. 1.913 S2F224

NATIONAL CONFERENCE OF HOME ECONOMICS EXTENSION WORKERS, WASHINGTON, 1951. What adjustments are ahead in home demonstration work? Report. Washington, U. S. Ext. Serv., 1951. 78 p. 1.913 C3H753

U. S. EXTENSION SERV. The Cooperative Extension Service and its relations to farm families and family farms. Washington, 1951. 14 p. 1.913 A2C784

U. S. EXTENSION SERV. Home economics information. Washington, 1951. 2 p. 1.913 H4H755

U. S. EXTENSION SERV. List of delegates, Twenty-First National 4-H Club Camp, 1951. Washington, 1951. 5 p. 1.9 Ex892Fbw

U. S. EXTENSION SERV. The role of the Extension Service in helping children and youth develop healthy personalities; composite report of the work groups at the Extension Conference on Children and Youth, December 8 to 13, 1950. Washington, 1951. 4 p. 1.913 C3C43R

U. S. EXTENSION SERV. Ten years of visual aids in the Extension Service Review. Washington, 1951? 113 p. 1 Ex892T

WILSON, M. C., and MOE, E. O. Effectiveness of television in teaching sewing practices. U. S. Ext. Serv., Ext. Serv. C. 466, 35 p. June 1951. 1.9 Ex892Esc

FARM CREDIT ADMINISTRATION

ABRAHAMSEN, M. A., and SCEARCE, J. L. Handbook on major regional farm supply purchasing cooperatives, 1949 and 1950. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 150, 58 p. May 1951. 166.3 M68

GESSNER, A. L., and COLLINS, E. C. Marketing canned fruits and vegetables processed by cooperatives, 1948-49. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 151, 88 p. June 1951. 166.3 M68

FEDERAL CROP INSURANCE CORPORATION

U. S. FEDERAL CROP INSURANCE CORPORATION. Crop insurance program (general information). Washington? 1951? 17 p. 1.952 C882

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

ANDREWS, S. Food and world tensions. Washington, U. S. Off. Foreign Agr. Relat., 1951. 5 p. 1.943 An2

Summary of remarks before the American Home Economics Association, Cleveland, June 27, 1951.

ANDREWS, S. The world food picture. Washington, U. S. Off. Foreign Agr. Relat., 1951. 8 p. 1.943 An2

Summary of remarks before German and other European farm leaders and government officials, Bonn, Germany, May 9, 1951.

BURKE, J. H. Recent changes in the citrus industry of Israel. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 62, 62 p. July 1951. 1.943 F763

COOPERATIVE FIBER COMMISSION. Kenaf: producing it for fiber and for seed, by J. E. Walker. Washington, U. S. Off. Foreign Agr. Relat., 1951. 9 p. 1.943 K332

Cuban Ministry of Agriculture cooperating.

TUCKER, R. G., and GOLDEN, M. F., comps. Fruit; United States foreign trade related to production, 1910-1949; a statistical handbook. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 60, 68 p. June 1951. 1.943 G763

FOREST SERVICE

BARROWS, J. S. Fire behavior in Northern Rocky Mountain forests. U. S. Forest Serv. North Rocky Mountain Forest & Range Expt. Sta. Paper 29, 103 p. May 1951. 1.9622 N3St1

BARROWS, J. S. Forest fires in the Northern Rocky Mountains. U. S. Forest Serv. North Rocky Mountain Forest & Range Expt. Sta. Paper 28, 251 p. Ref. Apr. 1951. 1.9622 N3St1

B EGLINGER, E. Distillation of resinous wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R496, rev., 7 p. May 1951. 1.9 F761R

BLEW, J. O., JR. Comparison of wood preservatives in Mississippi post study (1951 progress report). U. S. Forest Serv. Forest Prod. Lab. Rpt. R1757, 11 p. Apr. 1951. 1.9 F761R

BLEW, J. O., JR. Comparison of wood preservatives in stake tests (1951 progress report). U. S. Forest Serv. Forest Prod. Lab. Rpt. D1761, 7 p. May 1951. 1.9 F761R

BROADFOOT, W. M. Forest planting sites in north Mississippi and west Tennessee. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 120, 15 p. May 1951. 1.9 F762O

EICKNER, H. W., and BLOMQUIST, R. F. Adhesives for bonding wood to metal. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1768, 15 p. Ref. Feb. 1951. 1.9 F761R

EICKNER, H. W. A study of methods for preparing clad 24S-T3 aluminum-alloy sheet surfaces for adhesive bonding. III. Effect of cleaning method on resistance of bonded joints to salt-water spray. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1813-A, 6 p. Dec. 1950. 1.9 F761R

U. S. Air Force-Navy-Civil Subcommittee on Aircraft Design Criteria cooperating.

FOBES, E. W. Automatic trip stakes. U. S. Forest Serv. Forest Prod. Lab. Impr. Harvesting Methods. Equip. Survey Notes. Rpt. R1637-45, 2 p. May 1951. 1.9 F761R

- FOBES, E. W. Mobile pulpwood conveyor. U. S. Forest Serv. Forest Prod. Lab. Impr. Harvesting Methods. Equip. Survey Notes. Rpt. R1637-43,2 p. May 1951. 1.9 F761R
- FOBES, E. W. Skidding and bunching tractor. U. S. Forest Serv. Forest Prod. Lab. Impr. Harvesting Methods. Equip. Survey Notes. Rpt. R1637-42,1 p. May 1951. 1.9 F761R
- GAISER, R. N., and CAMPBELL, J. R. The concentration of roots in the white oak forests of southeastern Ohio. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 120,13 p. Ref. Mar.1951. 1.9622 C3T222
- GAISER, R. N. Relation between topography, soil characteristics, and the site index of white oak in southeastern Ohio. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 121,12 p. Ref. July 1951. 1.9622 C3T222
- HOHF, J. P. Board materials from sawdust and shavings. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1666-21,2 p. May 1951. 1.9 F761R
- LIMSTROM, G. A., and MERZ, R. W. Overburden analyses and strip-mine conditions in the northwestern district of the Ohio coal-mining region. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 124,36 p. July 1951. 1.9622 C3T222
- MCMILLEN, J. M. The seasoning of hickory lumber. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1794,7 p. May 1951. 1.9 F761R
- MERRICK, G. D. Wood used in manufacture, 1948. U. S. Forest Serv. Forest Resource Rpt. 2,66 p. May 1951. 1 F76Frr
- PECK, E. C., and SELBO, M. L. Comparison of redwood and flat-grained yellow-poplar for cores in furniture panels. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1785,10 p. Dec.1950. 1.9 F761R
- RIETZ, R. C. What are some of the advantages and disadvantages of package-loaded kiln trucks? U. S. Forest Serv. Forest Prod. Lab. News & Views This Kiln Drying Business. Rpt. D1769-8,1 p. Jan.1951. 1.9 F761R
- RIETZ, R. C. What is the cause of case-hardening in lumber and how can it be relieved? U. S. Forest Serv. Forest Prod. Lab. News & Views This Kiln Drying Business. Rpt. D1769-9,2 p. May 1951. 1.9 F761R
- TELFORD, C. J. Instructions on sawing hardwood logs and edging and trimming hardwood lumber for grade and value recovery. U. S. Forest Serv. Forest Prod. Lab. Impr. Harvesting Methods. Equip. Survey Notes. Rpt. R899-27,6 p. Feb.1951. 1.9 F761R
- U. S. FOREST SERV. Highlights in the history of forest conservation. Washington?1951? 14 p. 1.962 A2H53
- U. S. FOREST SERV. Timber cut on national forests by regions under sales and land exchanges, fourth quarter, fiscal year 1951 and 1950. Washington,1951. 2 p. 1.962 A2T485
- U. S. FOREST SERV. Winter sports use on national forests, 1950-51 season. Washington,1951. 2 p. 1.962 A2W73
- U. S. FOREST SERV. You can stop this shameful waste! Remember, only you can prevent forest fires! Washington,1950. Poster. 1.8 F76Yo
- U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on glue, glued products, and veneer. U. S. Forest Serv. Forest Prod. Lab. Rpt. R513,18 p. May 1951. 1.9 F761R
- U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on the growth, structure, and identification of wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R177,21 p. Feb.1951. 1.9 F761R
- U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on wood finishing subjects. U. S. Forest Serv. Forest Prod. Lab. Rpt. R454,16 p. Feb.1951. 1.9 F761R
- U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. The manufacture of veneer. U. S. Forest Serv. Forest Prod. Lab. Rpt. R285,rev.,7 p. May 1951. 1.9 F761R
- U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Veneer cutting and drying properties; pecan. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1766-5,4 p. May 1951. 1.9 F761R
- U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Veneer cutting and drying properties; western larch. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1766-4,4 p. Apr.1951. 1.9 F761R

WOOD, L. W. Formulas for columns with side loads and eccentricity. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1782,17 p. Nov.1950. 1.9 F761R

WOOD, L. W. Variation of strength properties in woods used for structural purposes. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1780,11 p. Dec.1950. 1.9 F761R

GRADUATE SCHOOL

U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Graduate School bulletin; annual catalog, 1951-1952. Washington,1951. 127 p. 1 Ag854F

HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Cooking fresh vegetables for the school lunch. Washington,1951. 6 p. 1.982 A2C773

U. S. Production and Marketing Administration cooperating.

LIBRARY

U. S. DEPT. OF AGRICULTURE. LIBRARY. PHILADELPHIA BR. You, and your library. Upper Darby,Pa.,1951. 8 p. 1.916 Up6Y

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

EDWARDS, M. J., and ABLEITER, J. K. Soil survey Morton County, North Dakota. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey 1936(28),145 p. Ref. June 1951. 1 So32F

ROBERTSON, W. K., and BLUME, J. M. Use of Ca⁴⁵ in determination of plant utilization of calcium from applied gypsum. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Res. Rpt. 223,5 p. June 15,1951. 1.965 S4R312

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Chemical weed control in cotton, by R. L. Lovvern. Beltsville,1951. 9 p. 1.965 W2C42

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Dieback of elm, by C. May. Beltsville,1951. 2 p. 1.965 F3D56

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The U. S. Regional Pasture Research Laboratory, State College, Pennsylvania. Washington,1951. 6 p. 1.965 F2Un3

PRODUCTION AND MARKETING ADMINISTRATION

MOORE, V. P. Some elements of cotton quality as affected by ginning. Washington,U. S. Prod. & Mktg. Admin.,1951. 8 p. 1.956 C82M78

Paper presented before meeting of the Louisiana-Mississippi Cotton Ginners' Association, Alexandria, La., May 29, 1951.

ROSS, J. E., JR. Some observations on the economic aspects of ginning operations. Washington, U. S. Prod. & Mktg. Admin.,1951. 9 p. 1.956 C82

Remarks in panel discussion before meeting of the Tennessee Cotton Ginners' Association, Jackson, Tenn., May 4, 1951.

TRAINER, L. R. Aspects of the food mobilization program of particular interest to food wholesalers. Washington,U. S. Prod. & Mktg. Admin.,1951. 5 p. 1.956 F732T68

Remarks at the Midyear Meeting of the National-American Wholesale Grocers' Association, Chicago, June 11, 1951.

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. School lunch recipes using honey. Chicago, U. S. Prod. & Mktg. Admin.,1951? 7 p. 1.956 F73Sch652

U. S. PRODUCTION AND MARKETING ADMIN. Charges for cotton ginning and marketing services and related data, season 1950-51. Washington,1951. 2 p. 1.956 C82C372

U. S. PRODUCTION AND MARKETING ADMIN. Cured pork cuts and lard: monthly average wholesale price per 100 pounds, New York, 1950. Washington,1951. 1 p. 1.9422 M8C92Ne

Similar reports from other markets.

U. S. PRODUCTION AND MARKETING ADMIN.

Dressed meats—pork cuts—weekly average wholesale price per 100 pounds, Chicago, 1950. Washington, 1951. 1 p. 1.9422 M8W52Pcw

Similar reports from other markets.

U. S. PRODUCTION AND MARKETING ADMIN.

Factors affecting freight rates on agricultural commodities: the railroad passenger deficit, by D. C. Leavens and R. G. Rhodes. Washington, 1951. 79 p. 1.956 T68F11

U. S. PRODUCTION AND MARKETING ADMIN.

List of packers subject to provisions of Packers and Stockyards Act January 1, 1951. Washington, 1951. 40 p. 1.9 Ag89L

U. S. PRODUCTION AND MARKETING ADMIN.

Reduction of cantaloup loss and damage in rail transportation through use of the upright loading method; an interim report, by J. C. Winter. Washington, 1951. 16 p. 1.956 M343R242

U. S. PRODUCTION AND MARKETING ADMIN.

United States standards for grades of canned pineapple. Washington, 1950. 20 p. 1.9422 Fr5P65

Supersedes the standards that have been in effect since May 31, 1943.

U. S. PRODUCTION AND MARKETING ADMIN.

Western dressed fresh meats—lamb and mutton—monthly average wholesale price per 100 pounds, New York, 1950. 1 p. 1.9422 M8W52Ln

Similar reports from other markets.

U. S. PRODUCTION AND MARKETING ADMIN.

Western dressed fresh meats—pork cuts—monthly average wholesale price per 100 pounds, New York, 1950. Washington, 1951. 1 p. 1.9422 M8W52Pn

Similar reports from other markets.

RURAL ELECTRIFICATION ADMINISTRATION

U. S. RURAL ELECTRIFICATION ADMIN.

Applications of electricity for the home and farm. Rev. Washington, 1951. 6 p. 1.933 Ap5

U. S. RURAL ELECTRIFICATION ADMIN.

Graphic summary of the REA program. Washington, 1951. 29 p. 1.933 G762

U. S. RURAL ELECTRIFICATION ADMIN.

Large power rates and contracts. Washington, 1951. 27 p. 1.933 L322

U. S. RURAL ELECTRIFICATION ADMIN. A

statement on REA generation & transmission loans and how they help farmers. Washington, 1950. 8 p. 1.933 St27

U. S. RURAL ELECTRIFICATION ADMIN.

Watthour meter maintenance. Washington, 1951. 16 p. 1 R88Wa

SECRETARY, OFFICE OF

BRANNAN, C. F. 4-H Club work, a \$25 million bargain. Washington, U. S. D. A., Off. Sec., 1951. 10 p. 1.91 A2B73

Talk before the National 4-H Club Camp, June 14, 1951.

BRANNAN, C. F. The treasure of the South. Washington, U. S. D. A., Off. Sec., 1951. 14 p. 1.91 A2B73
Talk before Mid-South Cotton Growers Association, Memphis, Tenn., June 26, 1951.

HUTCHINSON, K. T. Cotton research and mobilization. Washington, U. S. D. A., Off. Sec., 1951. 11 p. 1.91 A2H97

Talk before Cotton Research Congress, College Station, July 27, 1951.

MCCORMICK, C. J. Beyond today's horizon. Washington, U. S. D. A., Off. Sec., 1951. 7 p. 1.91 A2M132
Summary of remarks at the twelfth FAO Council Session in Rome, Italy, June 11, 1951.

MCCORMICK, C. J. Cooperatives in the national emergency. Washington, U. S. D. A., Off. Sec., 1951. 14 p. 1.91 A2M132

Talk before the Cooperative League, Lake Geneva, Wis., June 27, 1951.

U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Some aspects of the reservoir inundation problem as seen by the Department of Agriculture. Washington, 1951. 6 p. 1.91 A2So52

SOIL CONSERVATION SERVICE

BENNETT, H. H. Lasting conservation through education. Washington, U. S. Soil Conserv. Serv., 1951. 13 p. 1.96 Ad62

Address at summer session of State Teachers' College, Fredonia, N. Y., July 19, 1951.

BLANEY, H. F. Irrigation requirements of crops. (Provisional.) Washington? U. S. Soil Conserv. Serv., 1951. 15 p. Ref. 1.9 En34B

Prepared for a panel discussion at annual meeting of the American Society of Agricultural Engineers, Houston, June 20, 1951.

RESOURCE-USE EDUCATION WORKSHOP, ALABAMA POLYTECHNIC INSTITUTE, AUBURN, 1947. Let's save soil with Sam and Sue. Washington, U. S. Soil Conserv. Serv., 1951. 28 p. 1.6 So3Le

U. S. SOIL CONSERVATION SERV. May we present [the U. S. Soil Conservation Service]. Washington, 1951. 4 p. 1.6 So3Ma

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Holding profits on Jones Creek [Iowa]. Milwaukee, 1951. 13 p. 1.9605 H71

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

BLACKSTONE, J. H. Marketing practices and facilities of selected buyers of eggs in Alabama, 1947-1948. Ala. Agr. Expt. Sta. B. 278,23 p. Nov.1950. 100 AL1S

DANNER, M. J. An Alabama cooperative as farmers see and use it. Ala. Agr. Expt. Sta. B. 279,23 p. Dec.1950. 100 AL1S

WARE, L. M., and JOHNSON, W. A. Studies of organic materials for vegetable crops. Ala. Agr. Expt. Sta. B. 280,67 p. Ref. June 1951. 100 AL1S

GOGGANS, J. F. Topsoil and pine trees in Alabama's Piedmont. Ala. Agr. Expt. Sta. L. 31,6 p. May 1951. 100 AL1S

DAVIS, F. L., and CROGDEN, C. A. Results of lime and gypsum experiments with runner peanuts. Ala. Agr. Expt. Sta. Prog. Rpt. Ser. 48,6 p. May 1951. 100 AL1M

WHITE, M. Comparison of weight losses and defects in early Irish potatoes shipped by van and open truck, and of value of water chlorination in preventing decay. Ala. Agr. Expt. Sta. Prog. Rpt. Ser. 49,8 p. June 1951. 100 AL1M

ALABAMA. AGRICULTURAL EXPERIMENT STATION. Corn varieties for Alabama; a report of results from 1950 tests at 15 locations in the State, with yield averages for 1948-1950. Auburn,1951. 12 p. 59.9 AL12

ALABAMA. AGRICULTURAL EXPERIMENT STATION. List of available publications. Auburn,1951. 4 p. 100 AL1L

ALABAMA. AGRICULTURAL EXPERIMENT STATION. Results of 1950 cotton variety tests in Alabama, by H. B. Tisdale and A. L. Smith. Auburn,1951? 8 p. 100 AL1R

Alaska Agricultural Experiment Station, College

HODGSON, H. J., and others. Recommended varieties of field crops for Alaska, 1951. Alaska. Agr. Expt. Sta. C. 14,8 p. Feb.1951. 100 AL122E

S. C. Litzenberger, B. M. Bensin, and J. E. Osguthorpe, joint authors.

Arizona Agricultural Experiment Station, Tucson

ARIZONA. AGRICULTURAL EXPERIMENT STATION. List of available publications of the Agricultural Experiment Station and the Agricultural Extension Service. Ariz. Agr. Expt. Sta. Spec. B.,19 p. May 1951. 100 Ar4L

Arkansas Agricultural Experiment Station, Fayetteville

MULLINS, T., and SLUSHER, M. W. Comparison of farming systems for large rice farms in Arkansas. Ark. Agr. Expt. Sta. B. 509,37 p. June 1951. 100 Ar42

U. S. Bureau of Agricultural Economics cooperating. ARKANSAS. AGRICULTURAL EXPERIMENT STATION. 1950 agricultural statistics for Arkansas. Ark. Agr. Expt. Sta. Rpt. Ser. 26,48 p. June 1951. 100 Ar42R

U. S. Bureau of Agricultural Economics cooperating.

California Agricultural Experiment Station, Berkeley

SAMPSON, A. W., CHASE, A., and HEDRICK, D. W. California grasslands and range forage grasses. Calif. Agr. Expt. Sta. B. 724,130 p. Ref. May 1951. 100 C12S

CALIFORNIA. AGRICULTURAL EXPERIMENT STATION. Agricultural publications. Rev. sup. Berkeley?1951. 7 p. 100 C12Li

CALIFORNIA agriculture 5(6),16 p. June 1951 100 C12Cag

Colorado Agricultural Experiment Station, Fort Collins

COLORADO. AGRICULTURAL EXPERIMENT STATION. Beef breeding research in Colorado. Progress report. Fort Collins?1950. 8 p. 43.9 C71

COLORADO farm and home research 1(4),13 p. Nov./Dec.1950. 100 C712Co

Connecticut (State) Agricultural Experiment Station, New Haven

CONNECTICUT (STATE) AGRICULTURAL EXPERIMENT STATION. Report on inspection commercial feeding stuffs, 1950. Conn. (State) Agr. Expt. Sta. B. 547, 138 p. Mar.1951. 100 C76St

JONES, D. F., and EVERETT, H. L. Field corn report, Mt. Carmel and Windsor, Connecticut, 1950. Conn. (State) Agr. Expt. Sta. Rpt. Prog. 50G1,5 p. Jan.2, 1951. 100 C763

FRONTIERS of plant science 3(2),8 p. May 1951. 100 F92

Connecticut (Storrs) Agricultural Experiment Station, Storrs

JOHNSON, S., and LITTLE, A. D. Intermarket milk price relationships. 1. Factors determining the boundaries of the Connecticut milkshed. Conn. (Storrs) Agr. Expt. Sta. B. 266,57 p. Jan.1951. 100 C76S

SEAVER, S. K., and KING, R. A. Competitive position of the Connecticut poultry industry. 2. Marketing eggs through retail stores. Conn. (Storrs) Agr. Expt. Sta. B. 268,31 p. Oct.1950. 100 C76S

PAPANOS, S., and BROWN, B. A. Poultry manure: its nature, care and use. Conn. (Storrs) Agr. Expt. Sta. B. 272,51 p. Ref. Dec.1950. 100 C76S

KING, G. A., and BRESSLER, R. G., JR. Efficiency of milk marketing in Connecticut. 12. Wholesale milk distribution. Conn. (Storrs) Agr. Expt. Sta. B. 273, 56 p. July 1950. 100 C76S

JOHNSON, S., and HENRY, W. F. Formulas for adjusting milk transportation rates. Conn. (Storrs) Agr. Expt. Sta. B. 274,34 p. Mar.1951. 100 C76S

Delaware Agricultural Experiment Station, Newark

RICE, S. T. Interregional competition in the commercial broiler industry. Del. Agr. Expt. Sta. B. 290,36 p. Apr.1951. 100 D37S

RAHN, E. M. Drilling vs. banding of fertilizer for lima beans. Del. Agr. Expt. Sta. B. 291,8 p. Feb. 1951. 100 D37S

Florida Agricultural Experiment Station, Gainesville

ALLEGER, D. E., and THARP, M. M. Current farm leasing practices in Florida. South. Coop. Ser. B. 13,28 p. June 1951. 100 G29So

FLORIDA. AGRICULTURAL EXPERIMENT STATION. Annual report for the fiscal year ending June 30, 1950. Gainesville,1951? 263 p. 100 F66S

Hawaii Agricultural Experiment Station, Honolulu

ROSENBERG, M. M., and GUILLOU, R. A sun-porch developer pen designed for chickens reared in Hawaii. Hawaii. Agr. Expt. Sta. B. 105,12 p. July 1951. 100 H313

Idaho Agricultural Experiment Station, Moscow

LIBEAU, C. P. Marketing potatoes for consumer approval. Idaho. Agr. Expt. Sta. B. 285,24 p. Ref. June 1951. 100 Id1

Indiana Agricultural Experiment Station, Lafayette

KOHL, R. L., and PAARLBERG, D. The short time response of agricultural production to price and other factors. Ind. Agr. Expt. Sta. B. 555,42 p. Oct.1950. 100 In2P

PRITCHARD, N. T., and COPE, W. H. Milk assembly in the Fort Wayne milkshed. Ind. Agr. Expt. Sta. B. 559,24 p. Feb.1951. 100 In2P

KRAEMER, J. H. The effects of three factors upon the cross-breaking strength and stiffness of red pine. Ind. Agr. Expt. Sta. B. 560,20 p. Ref. June 1951. 100 In2P

SMITH, G. M. Hoosier Gold sweet corn. Ind. Agr. Expt. Sta. B. 563,6 p. Apr.1951. 100 In2P

INDIANA. AGRICULTURAL EXPERIMENT STATION. Inspection of agricultural seeds. Ind. Agr. Expt. Sta. C. 387,51 p. Dec.1950. 100 In2P

Iowa Agricultural Experiment Station, Ames

FEDERER, W. T. Evaluation of variance components from a group of experiments with multiple classifications. Iowa. Agr. Expt. Sta. Res. B. 380:241-310. Ref. May 1951. 100 Io9

HEADY, E. O., and ALLEN, C. W. Returns from and capital required for soil conservation farming systems; a study of a specific population of farms and soils. Iowa. Agr. Expt. Sta. Res. B. 381:314-360. May 1951. 100 Io9

Kentucky Agricultural Experiment Station, Lexington

KENTUCKY. AGRICULTURAL EXPERIMENT STATION. Results of research in 1950; 63rd annual report. Lexington?1951? 72 p. 100 K41

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

OWEN, C. R. Improvement of native Dallis grass (*Paspalum dilatatum*) in Louisiana. La. Agr. Expt. Sta. B. 449,40 p. May 1951. 100 L93

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Research in agriculture; annual report, 1949/50, by I. L. Forbes, comp. Baton Rouge, 1951. 192 p. 100 L93

Maine Agricultural Experiment Station, Orono

DAY, C. Maine facts. Maine. Agr. Expt. Sta. Misc. P. 619,31 p. June 1951. 100 M28S
Issued also as Bulletin 412 of the Maine Agricultural Extension Service.

Massachusetts Agricultural Experiment Station, Amherst

FRANKLIN, H. J. Cranberry insects in Massachusetts. II-VII. Mass. Agr. Expt. Sta. B. 445,88 p. Oct.1950. 100 M38H

COX, E. F. Meteorological observations for May 1951. Mass. Agr. Expt. Sta. Met. Ser. B. 749,4 p. May 1951. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

SHELDON, W. H., and others. Barn hay driers in Michigan. Mich. Agr. Expt. Sta. B. 219,30 p. June 1951. 100 M58S

D. E. Wiant, R. W. Kleis, and S. T. Dexter, joint authors.

MICHIGAN. STATE BOARD OF AGRICULTURE. Eighty-ninth annual report and sixty-third annual report, Agricultural Experiment Station, July 1, 1949 to June 30, 1950. Lansing, 1950. 260 p. 100 M58S

Mississippi Agricultural Experiment Station, State College

ANDREWS, W. B., NEELY, J. A., and EDWARDS, F. E. Anhydrous ammonia as a source of nitrogen. Miss. Agr. Expt. Sta. B. 482,39 p. Apr.1951. 100 M69

JOHNSTON, R. B. Walk-thru milking arrangement more efficient. Miss. Agr. Expt. Sta. Inform. Sheet 459,2 p. Mar.1951. 100 M69In

STOKES, I. E., and others. C. P. 36/111, a new variety of sugarcane for sirup production in Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 461,2 p. Apr. 1951. 100 M69In

T. E. Ashley, R. Kuykendall, and B. C. Hurt, joint authors.

GAINES, J. P. Use of anhydrous ammonia reduces tung production costs. Miss. Agr. Expt. Sta. Inform. Sheet 462,2 p. Apr.1951. 100 M69In

CAMPBELL, R. S., GILL, J., and SMITH, L. Steers gain on forest range in South Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 463,2 p. Apr.1951. 100 M69In

DICKERSON, R. L., EDWARDS, F. E., and HAMNER, A. L. Low cost insecticide sprayer for small farms. Miss. Agr. Expt. Sta. Inform. Sheet 464,2 p. May 1951. 100 M69In

JOHNSON, H. W. Soybean seed treatment for the Delta. Miss. Agr. Expt. Sta. Serv. Sheet 419,2 p. May 1951. 100 M69

GALLOWAY, R. E., and LOFTIN, M. T. Health practices of rural Negroes in Bolivar County. Miss. Agr. Expt. Sta. Sociol. & Rur. Life Ser. 3,14 p. Apr.1951. 281.29 M693

JAMES, L. M., HOFFMAN, W. P., and PAYNE, M. A. Private forest landownership and management in central Mississippi. Miss. Agr. Expt. Sta. Tech. B. 33, 38 p. Apr.1951. 100 M69

Missouri Agricultural Experiment Station, Columbia

ENNS, W. R. Cotton insects and their control in Missouri. Mo. Agr. Expt. Sta. B. 545,15 p. Jan.1951. 100 M693

ZUBER, M. S., and GROGAN, C. O. Corn hybrids adapted for Missouri. Mo. Agr. Expt. Sta. B. 546,12 p. Feb.1951. 100 M693

BROWN, E. M. Good pastures pay. Mo. Agr. Expt. Sta. B. 547,24 p. Feb.1951. 100 M693

LAMBETH, V. N. Potato growing in Missouri. Mo. Agr. Expt. Sta. B. 548,24 p. Mar.1951. 100 M693

LONGWELL, J. H., and others. Fertilizer inspection and analysis; spring, 1950. Mo. Agr. Expt. Sta. B. 551,60 p. Mar.1951. 100 M693

R. C. Prewitt, C. W. Gehrke, and E. W. Cowan, joint authors.

MURNEEK, A. E. Chemical thinning of apples. Mo. Agr. Expt. Sta. B. 553,15 p. May 1951. 100 M693

FUNK, E. M., and FORWARD, J. Effect of humidity and turning of eggs before incubation on hatching results. Mo. Agr. Expt. Sta. B. 554,24 p. May 1951. 100 M693

DECKER, W. L. Probability of killing freezes in Missouri. Mo. Agr. Expt. Sta. B. 555,27 p. June 1951. 100 M693

MILLER, M. F. Soil improvement and soil conservation in Missouri. Mo. Agr. Expt. Sta. C. 357, 35 p. Mar.1951. 100 M693

LABEN, R. C., and HERMAN, H. A. Genetic factors affecting milk production in a selected Holstein-Friesian herd. Mo. Agr. Expt. Sta. Res. B. 459,71 p. Ref. Sept.1950. 100 M693

LAMBETH, V. N. Some factors influencing pod set and yield of the lima bean. Mo. Agr. Expt. Sta. Res. B. 466,60 p. Ref. Sept.1950. 100 M693

FUNK, E. M. Maintenance of quality in shell eggs by thermostabilization. Mo. Agr. Expt. Sta. Res. B. 467,46 p. Ref. Dec.1950. 100 M693

STEWART, R. E. A field study of practice in loose housing of dairy cattle in Missouri. Mo. Agr. Expt. Sta. Res. B. 468,36 p. Ref. Dec.1950. 100 M693

GEHRKE, C. W., and others. The quantitative determination of chromic oxide in feeds and feces; an improved method applicable in digestibility studies with farm animals. *Mo. Agr. Expt. Sta. Res. B.* 469,16 p. Dec.1950. 100 M693

D. T. Mayer, E. E. Pickett, and C. V. Runyon, joint authors.

EMERSON, C., BRADY, D. E., and TUCKER, L. N. The effect of certain packaging and storage treatments on the acceptability of frozen beef. *Mo. Agr. Expt. Sta. Res. B.* 470,32 p. Ref. Jan.1951. 100 M693

RAGSDALE, A. C., and others. Environmental physiology with special reference to domestic animals. XII. Influence of increasing of temperature 40° to 105° F on milk production in Brown Swiss cows, and on feed and water consumption and body weight in Brown Swiss and Brahman cows and heifers. *Mo. Agr. Expt. Sta. Res. B.* 471,24 p. Feb.1951. 100 M693

H. J. Thompson, D. M. Worstell and S. Brody, joint authors.

KIBLER, H. H., and BRODY, S. Environmental physiology with special reference to domestic animals. XIII. Influence of increasing temperature, 40° to 105° F, on heat production and cardiorespiratory activities in Brown Swiss and Brahman cows and heifers. *Mo. Agr. Expt. Sta. Res. B.* 473,16 p. Apr.1951. 100 M693

MANGEL, M. The determination of methemoglobin in beef muscle extracts. I-II. *Mo. Agr. Expt. Sta. Res. B.* 474,24 p. Ref. May 1951. 100 M693

I, A study of the spectrophotometric method; II, Factors affecting methemoglobin formation in frozen beef.

Montana Agricultural Experiment Station, Bozeman

MORRIS, H. E., and others. Important grasses on Montana ranges. *Mont. Agr. Expt. Sta. B.* 470,52 p. Dec.1950. 100 M76

W. E. Booth, G. F. Payne, and R. E. Stitt, joint authors.

SCHARFF, D. K. Cattle grubs [Hypoderma]—their biologies, their distribution, and experiments in their control. *Mont. Agr. Expt. Sta. B.* 471,74 p. Ref. Dec.1950. 100 M76

KRALL, J. L. A blade drill for seeding trashy fallow. *Mont. Agr. Expt. Sta. C.* 194,11 p. June 1951. 100 M76

Nebraska Agricultural Experiment Station, Lincoln

KRISTJANSON, K. Development of irrigated farms on the Mirage Flats Project. *Nebr. Agr. Expt. Sta. B.* 410,28 p. June 1951. 100 So82

U. S. Bureau of Agricultural Economics and South Dakota Agricultural Experiment Station cooperating.

New Jersey Agricultural Experiment Station, New Brunswick

BEAR, F. E., and PRINCE, A. L. Organic matter in New Jersey soils. *N. J. Agr. Expt. Sta. B.* 757, 24 p. June 1951. 100 N46S

KITCHEN, J. B., JR., PAISLEY, E. H., and BENDER, C. B. Are New Jersey dairymen feeding too much grain to their dairy cows? *N. J. Agr. Expt. Sta. B.* 758,8 p. June 1951. 100 N46S

RANDLE, S. B. Agricultural insecticides and fungicides, 1950. *N. J. Agr. Expt. Sta. Insp. Ser.* 43,19 p. July 1951. 100 N46S

New Mexico Agricultural Experiment Station, State College

STATEN, G., PINGREY, H. B., and WILSON, M. Irrigated pastures in New Mexico. *N. Mex. Agr. Expt. Sta. B.* 362,28 p. July 1951. 100 N46S

PINGREY, H. B. Cost of mechanical harvest of cotton in the Mesilla Valley, New Mexico, 1950. *N. Mex. Agr. Expt. Sta. Press B.* 1040,13 p. July 1951. 100 N46S

FIREMAN, M., CHANG, C. W., and HEALTON, L. W. Soils investigations on the Tucumcari, New Mexico, Irrigation Project. *N. Mex. Agr. Expt. Sta. Press B.* 1054,15 p. June 1951. 100 N46S

STEPHENS, W. P. Farm income possibilities in the Mesilla Valley, New Mexico. *N. Mex. Agr. Expt. Sta. Press B.* 1055,32 p. July 1951. 100 N46S

JONES, H. Tomato varieties for the Middle Rio Grande area. *N. Mex. Agr. Expt. Sta. Press B.* 1056, 4 p. July 1951. 100 N46S

New York (Cornell) Agricultural Experiment Station, Ithaca

SIMMONS, W. L. Consumer meat purchases in Syracuse, N. Y., 1948 and comparison with 1942. *N. Y. (Cornell) Agr. Expt. Sta. B.* 869,30 p. June 1951. 100 N48C

GODWIN, M. R. Consumer packaging as a method of retailing fruits & vegetables produced in the Northeast. 1. Consumer acceptance and retailing losses. *N. Y. (Cornell) Agr. Expt. Sta. B.* 870,35 p. July 1951. 100 N48C

MONTGOMERY, J. E. Housing preferences of farm families in the Northeast. *N. Y. (Cornell) Agr. Expt. Sta. B.* 872,32 p. July 1951. 100 N48C

DARSIE, R. F., JR. Pupae of the Culicine mosquitoes of the northeastern United States (Diptera, Culicidae, Culicini). *N. Y. (Cornell) Agr. Expt. Sta. Mem.* 304,67 p. Ref. June 1951. 100 N48C

North Carolina Agricultural Experiment Station, State College Station, Raleigh

CAPEL, G. L., and ABRAHAMSEN, M. Frozen food locker plants in North Carolina. *N. C. Agr. Expt. Sta. B.* 374,24 p. June 1951. 100 N81

MIDDLETON, G. K., and others. Arlington oats in North Carolina. *N. C. Agr. Expt. Sta. Spec. C.* 15,7 p. May 1951. 100 N81Sp

T. T. Hebert, H. L. Cooke, and W. P. Byrd, joint authors.

North Dakota Agricultural Experiment Station, State College Station, Fargo

SCHAFFNER, L. W. Economics of grain farming in Renville County, North Dakota. *N. Dak. Agr. Expt. Sta. B.* 367,45 p. May 1951. 100 N813

Ohio Agricultural Experiment Station, Wooster

MOORE, H. R., and BAILEY, R. A. Ohio farm real estate prices. *Ohio Agr. Expt. Sta. Res. B.* 711, 39 p. July 1951. 100 Oh3S

WILSON, J. D. Ohio MR17, a new mosaic tolerant pickling cucumber. *Ohio Agr. Expt. Sta. Res. C.* 10,8 p. July 1951. 100 Oh3R

JOHNSTONE, F. E., JR., and BUSHNELL, J. Trials of sweet corn for fresh market. *Ohio Agr. Expt. Sta. Res. C.* 12,8 p. July 1951. 100 Oh3R

Oklahoma Agricultural Experiment Station, Stillwater

DARLOW, A. E., and others. Supplements for fattening two- and three-year-old steers on grass. *Okla. Agr. Expt. Sta. B.* B-372,15 p. Aug.1951. 100 Ok4
W. D. Campbell, V. G. Heller, J. C. Hillier, R. W. MacVicar, O. B. Ross, D. F. Stephens, and B. R. Taylor, joint authors.

KIAMICHI FIELD STATION, IDABEL, OKLA-HOMA. 3rd annual field day. Kiamichi Field Station. *Okla. Agr. Expt. Sta. Mimeog. C.* M-226,11 p. July 24, 1951. 100 Ok4M

GARTON, J. E. A graphic solution for mast type orchard sprayer problems. *Okla. Agr. Expt. Sta. Misc. P.* MP-21,4 p. June 1951. 100 Ok4

OKLAHOMA AGRICULTURAL EXPERIMENT STATION. DEPT. OF ANIMAL HUSBANDRY. Feeding and breeding tests with sheep, swine, and beef cattle; progress report: 1950-51. Reported at 25th Annual Livestock Feeders' Day, April 21, 1951. *Okla. Agr. Expt. Sta. Misc. P.* MP-22,96 p. June 1951. 100 Ok4

CHATTERS, R. M., and SCHLEHUBER, A. M. Mechanics of feeding of the greenbug (*Toxoptera graminum* Rond.) on *Hordeum*, *Avena*, and *Triticum*. *Okla. Agr. Expt. Sta. Tech. B.* T-40,18 p. June 1951. 100 Ok4

FARM research flashes. July 1951. 8 p. 100 Ok4F

Oregon Agricultural Experiment Station, Corvallis

BOLLER, C. A. Growing blueberries in Oregon. *Oreg. Agr. Expt. Sta. B.* 499,20 p. June 1951. 100 Or3

TILESTON, F. M., and WOLFE, J. W. Irrigation requirements; estimates for Oregon. *Oreg. Agr. Expt. Sta. B. 500*, 32 p. Ref. July 1951. 100 Or3

HOWELL, H. B., DENT, W. E., and DORMAN, H. D. A hoof-trimming chute for cattle. *Oreg. Agr. Expt. Sta. C. Inform. 498*, 7 p. June 1951. 100 Or3C

KUHLMAN, G. W. Cost of producing filberts and walnuts in Oregon; a progress report. *Oreg. Agr. Expt. Sta. C. Inform. 499*, 9 p. June 1951. 100 Or3C

Pennsylvania Agricultural Experiment Station, State College

CHISMAN, H. H., and BRAMBLE, W. C. Banks pine in Pennsylvania. *Pa. Agr. Expt. Sta. B. 538*, 16 p. May 1951. 100 P381

COCHRANE, W. W. An analysis of farm price behavior. *Pa. Agr. Expt. Sta. Prog. Rpt. 50*, 56 p. May 1951. 100 P381P

South Carolina Agricultural Experiment Station, Clemson

LYON, G. H. Commercial chick hatcheries in South Carolina; egg supply, prices and practices. *S. C. Agr. Expt. Sta. B. 392*, 34 p. May 1951. 100 So8

South Dakota Agricultural Experiment Station, Brookings

NERVIK, O. Marketing South Dakota feeder cattle. *S. Dak. Agr. Expt. Sta. B. 409*, 19 p. May 1951. 100 So82

Texas Agricultural Experiment Station, College Station

WILLEY, N. B., JONES, J. H., and LYERLY, P. J. Lamb feeding trials in the El Paso Valley, 1947-49; a comparison of high protein cottonseed products, and of ground and unground sorghum grain. *Tex. Agr. Expt. Sta. B. 733*, 15 p. Apr. 1951. 100 T31S

ATKINS, I. M. Quanah wheat. *Tex. Agr. Expt. Sta. B. 734*, 10 p. May 1951. 100 T31S

ATKINS, I. M. Small grain variety tests in the Rolling Plains area of Texas. *Tex. Agr. Expt. Sta. Prog. Rpt. 1373*, 5 p. May 23, 1951. 100 T31P

MCILRATH, W. J. Effect of methoxone on young cotton plants. *Tex. Agr. Expt. Sta. Prog. Rpt. 1377*, 2 p. June 8, 1951. 100 T31P

JONES, D. L. Barnyard manure and cotton burs as a dryland fertilizer for cotton. *Tex. Agr. Expt. Sta. Prog. Rpt. 1379*, 4 p. June 13, 1951. 100 T31P

Utah Agricultural Experiment Station, Logan

THORNE, J. P., and THORNE, D. W. Irrigation waters of Utah. *Utah. Agr. Expt. Sta. B. 346*, 64 p. June 1951. 100 Ut1

SIGLER, W. F. The life history and management of the mountain whitefish *Prosopium williamsoni* (Girard) in Logan River, Utah. *Utah. Agr. Expt. Sta. B. 347*, 21 p. Ref. May 1951. 100 Ut1

REUSS, L. A., and BLANCH, G. T. Utah's land resources. *Utah. Agr. Expt. Sta. Spec. Rpt. 4*, 66 p. Ref. June 1951. 100 Ut1Sp

U. S. Bureau of Agricultural Economics cooperating.

Virginia Agricultural Experiment Station, Blacksburg

GIBSON, W. L., JR., and HANSING, F. D. Father-son farm agreements. *South. Coop. Ser. B. 9*, 35 p. Apr. 1951. 100 G29So

U. S. Bureau of Agricultural Economics cooperating.

CONNER, M. C. The milk market control law in Virginia. *Va. Agr. Expt. Sta. B. 444*, 49 p. June 1951. 100 V81S

PRICE, N. O., LINKOUS, W. N., and HILL, H. H. The absorption of minor elements by forage crops as influenced by fertilization and soils. *Va. Agr. Expt. Sta. Tech. B. 117*, 14 p. Ref. May 1951. 100 V81S

Washington Agricultural Experiment Station, Pullman

VOGEL, O. A., SWENSON, S. P., and HOLTON, C. S. Brevor and Elmar—two new winter wheats for Washington. *Wash. Agr. Expt. Sta. B. 525*, 8 p. May 1951. 100 W27E

Wisconsin Agricultural Experiment Station, Madison

HAGEDORN, D. J. Growing canning peas in Wisconsin. *Wis. Agr. Expt. Sta. B. 444*, rev., 24 p. Feb. 1951. 100 W75

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Polytechnic Institute, Agricultural Extension Service, Auburn

LOWERY, J. C. Soybeans in Alabama. Ala. Polytech. Inst. Agr. Ext. C. 392, rev., 2 p. Mar. 1951. 275.29 AL1C

MITCHELL, S. Make your home tasks easier. Ala. Polytech. Inst. Agr. Ext. C. 410, 4 p. Jan. 1951. 275.29 AL1C

MITCHELL, S. Better home planning. Ala. Polytech. Inst. Agr. Ext. C. 411, 8 p. Jan. 1951. 275.29 AL1C

PEAVY, A. Repairing innerspring cushions. Ala. Polytech. Inst. Agr. Ext. C. 412, 8 p. Jan. 1951. 275.29 AL1C

MITCHELL, S. High, just right, low—how do you work? Ala. Polytech. Inst. Agr. Ext. C. 415, 4 p. Jan. 1951. 275.29 AL1C

ELLIS, L. B. Make it of plastic. Ala. Polytech. Inst. Agr. Ext. C. 416, 4 p. Jan. 1951. 275.29 AL1C

ELLIS, L. B. Secrets to smart sewing. Ala. Polytech. Inst. Agr. Ext. C. 417, 16 p. Feb. 1951. 275.29 AL1C

MARTIN, I. R. Jim plants his trees. Ala. Polytech. Inst. Agr. Ext. C. 418, 7 p. Jan. 1951. 275.29 AL1C

ANDREWS, O. N., and RUFFIN, W. A. Make more cotton. Ala. Polytech. Inst. Agr. Ext. C. 419, 4 p. Feb. 1951. 275.29 AL1C

HULSEY, M. Seasonal refreshments. Ala. Polytech. Inst. Agr. Ext. C. 420, 2 p. Mar. 1951. 275.29 AL1C

Arizona University, College of Agriculture, Agricultural Extension Service, Tucson

PISTOR, W. J. Ringworm on livestock. Ariz. Agr. Col. Ext. C. 173, 4 p. Nov. 1950. 275.29 Ar42

PISTOR, W. J. Calf losses. Ariz. Agr. Col. Ext. C. 174, 3 p. Nov. 1950. 275.29 Ar42

PISTOR, W. J. Foot rot in cattle. Ariz. Agr. Col. Ext. C. 175, 2 p. Nov. 1950. 275.29 Ar42

PISTOR, W. J. Mastitis (garget). Ariz. Agr. Col. Ext. C. 176, 6 p. Nov. 1950. 275.29 Ar42

RONEY, J. N. Cotton insect control. Ariz. Agr. Col. Ext. C. 179, 7 p. Feb. 1951. 275.29 Ar42

CHURCH, H. L. Stay stitching makes sewing easier. Ariz. Agr. Col. Ext. C. 180, 5 p. Jan. 1951. 275.29 Ar42

BALLANTYNE, A. B. Rural leaders' guide for square and group dances. Ariz. Agr. Col. Ext. C. 183, 23 p. Feb. 1951. 275.29 Ar42

DUDGEON, L. T. 2nd year 4-H foods. Ariz. Agr. Col. Ext. C. 184, 31 p. Mar. 1951. 275.29 Ar42

ARMER, W. Livestock pests; external parasites. Ariz. Agr. Col. Ext. C. 185, 14 p. Mar. 1951. 275.29 Ar42

BROWN, J. G., and BOYLE, A. M. Internal boll-rot of cotton. Ariz. Agr. Col. Ext. C. 186, 4 p. Mar. 1951. 275.29 Ar42

MCKEE, K. L. 4-H activities make your club work sparkle. Ariz. Agr. Col. Ext. C. 187, 10 p. Apr. 1951. 275.29 Ar42

California University, College of Agriculture, Agricultural Extension Service, Berkeley

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Dairy management study, Tulare County, by R. G. Thomas and B. B. Burlingame. Berkeley? 1951. 6 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Modoc beef management study, 1950, by A. D. Reed and N. E. Nichols. Berkeley? 1951. 6 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Kings County dairy management study, by B. B. Burlingame and H. S. Etchegaray. Berkeley? 1951. 7 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1950 Orange County Valencia orange production cost analysis, by A. Shultis. Berkeley? 1951? 17 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Poultry management cost study, Riverside County; fourth annual report, 1950, by A. D. Reed and L. P. Sharp. Berkeley? 1951? 10 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Second annual walnut management study, Tulare County, by B. B. Burlingame and C. Ferris. Berkeley? 1951. 7 p. 275.29 C12En

Colorado State College of Agriculture, Extension Service, Fort Collins

LIST, G. M., and MICKLE, G. T. Psyllid [Paratrioza cockerelli] control on potatoes and tomatoes. Colo. Agr. Col. Ext. C. 167-A, 4 p.-folder. May 1950. 275.29 C71C1

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

VAN DYKE, A. W. Retailing carrots. Conn. Agr. Col. Ext. L. 22, 4 p. May 1951. 275.29 C76B

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Spray guide, 1951, for peaches and other stone fruits, by F. D. Johanson, P. Garman, and E. M. Stoddard. Storrs? 1950? 3 p. 275.29 C76Pe

Hawaii University, Agricultural Extension Service, Honolulu

ISHIDA, J., and SUMIDA, Y. D. Use of second-hand fruit and vegetable containers for marketing Island produce. Hawaii. U. Agr. Ext. C. 309, 2 p. June 1951. 275.29 H312Ac

RUST, I. The tax status of farmers' cooperatives in Hawaii. Hawaii. U. Agr. Ext. C. 310, 9 p. June 1951. 275.29 H312Ac

Idaho University, College of Agriculture, Extension Service, Moscow

KENNEDY, V. D., and BROWN, O. K. Plan your farm for good farm living—home, farmstead, fields. Idaho. Agr. Col. Ext. B. 186, 19 p. May 1951. 275.29 Id13

IDAHO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. You can grow tomatoes. Idaho. Agr. Col. Ext. C. 116, 6 p.-folder. June 1951. 275.29 Id13C

PORTMAN, R. W., MANIS, H. C., and SCRIVNER, L. H. Hog lice and mange cut swine profits. Idaho. Agr. Col. Ext. C. 117, 5 p.-folder. June 1951. 275.29 Id13C

Illinois University, College of Agriculture, Extension Service, Urbana

BURLISON, W. L. Long season pastures for Illinois. Ill. Agr. Col. Ext. C. 682, 8 p. June 1951. 275.29 IL62C

LINN, M. B., and WRIGHT, J. M. Tomato diseases and insect pests: identification and control. Ill. Agr. Col. Ext. C. 683, 55 p. May 1951. 275.29 IL62C

ACKER, G. More vegetables on the table. Ill. Agr. Col. Ext. C. 685, 24 p. June 1951. 275.29 IL62C

Kansas State College of Agriculture and Applied Science,
Extension Service, Manhattan

FERGUSON, J. M. The grain drill. Kans. State Col. Agr. Ext. Farm Mach. 2,6 p. June 1950. 275.29 K13Enf

STOVER, H. E. Fuels for Kansas homes. Kans. State Col. Agr. Ext. Farm Structures 4,6 p. June 1950. 275.29 K13Ens

STOVER, H. E. Farm water supply. Kans. State Col. Agr. Ext. Rur. Electrification 4,8 p. June 1950. 275.29 K13En

STOVER, H. E. Water pumping systems for the farm. Kans. State Col. Agr. Ext. Rur. Electrification 6, 12 p. June 1950. 275.29 K13En

Kentucky University, College of Agriculture and Home Economics, Extension Service, Lexington

RODRIGUEZ, J. G., and ARMSTRONG, W. D. Kentucky spray and dust schedules for commercial fruit plantings, 1951-52. Ky. Agr. Col. Ext. C. 487, 40 p. Mar. 1951. 275.29 K415

Louisiana State University and Agricultural and Mechanical College, Division of Agricultural Extension, University Station, Baton Rouge

LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. DIV. OF AGRICULTURAL EXTENSION. Extension work in Lafourche. La. Agr. Col. Ext. P. 1054, 38 p. Dec. 1950. 275.29 L93Ep

FOURNET, E. Pickles and relishes. La. Agr. Col. Ext. P. 1075, rev., 23 p. Mar. 1951. 275.29 L93Ep
Formerly Extension Bulletin No. 1.

FITZGERALD, A. D. Swine production in Louisiana. La. Agr. Col. Ext. P. 1089, 28 p. June 1951. 275.29 L93Ep

ARBOUR, M. B. Snappy styles for your bulletin. La. Agr. Col. Ext. P. 1090, 15 p. June 1951. 275.29 L93Ep

Formerly Extension Circular 216.

INGRAM, C. Looking ahead—the all-pullet flock. La. Agr. Col. Ext. P. 1091, 4 p. June 1951. 275.29 L93Ep

Formerly Leaflet 15.

FERGUSON, B. L., WOODWARD, R. S., and HAWTHORNE, L. Louisiana's program for peach production. La. Agr. Col. Ext. P. 1095, 18 p. May 1951. 275.29 L93Ep

Formerly Bulletin 7; Circular 259.

MILLIKEN, T. H., and LUNO, G. A. Singletary peas. La. Agr. Col. Ext. P. 1097, 8 p.-folder. June 1951. 275.29 L93Ep

LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. DIV. OF AGRICULTURAL EXTENSION. Origin and growth of agricultural extension in Louisiana, 1860-1948, by F. W. Williamson. Baton Rouge? 1951. 345 p. 275.2 L930

Maine University, College of Agriculture, Agricultural Extension Service, Orono

EGGERT, F. P., and BRIWA, K. E. Home uses for Maine apples. Maine. Agr. Col. Ext. B. 409, 12 p. Feb. 1951. 275.29 M281B

BISSELL, L. P. Planting forest trees in Maine. Maine. Agr. Col. Ext. B. 410, 16 p. Mar. 1951. 275.29 M281B

TRASK, O. S., NODINE, E. H., and HEPLER, J. R. Growing your own vegetables. Maine. Agr. Col. Ext. B. 411, 35 p. May 1951. 275.29 M281B

DAY, C. Maine facts. Maine. Agr. Col. Ext. B. 412, 31 p. June 1951. 275.29 M281B

ECKSTROM, C. R. Roadside stands in Maine. Maine. Agr. Col. Ext. C. 262, 8 p.-folder. June 1950. 275.29 M281C

Maryland University, Colleges of Agriculture and Home Economics, Extension Service, College Park

CORY, E. N., and LANGFORD, G. S. Control the Japanese beetle [Popillia japonica]. Md. Agr. Col. Ext. Fact Sheet 30, 2 p. May 1951. 275.29 M36Fa

MARYLAND. UNIVERSITY. COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Trees of Maryland. 4-H Club tree identification project, by H. W. Dengler. College Park, 1950? 3 p. 275.2 M36Tre

Massachusetts University, School of Agriculture, Extension Service, Amherst

COLBY, B. E., and COWAN, W. A. Sheep production. Mass. U. Agr. Ext. L. 179, rev., 47 p. June 1951. 275.29 M381L

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Pointers for pork profits, by B. E. Colby, W. A. Cowan, and N. Hale. Amherst? 1951. 11 p. 275.2 M38Poi

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

GOBLE, J. W. Cleaning eggs for market. Nebr. Agr. Col. Ext. E. C. 1320, 6 p. June 1951. 275.29 N272Ex

New Jersey State College of Agriculture and Mechanical Arts, Extension Service, Rutgers University, New Brunswick

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANICAL ARTS. EXTENSION SERV. How to buy, cook, and serve New Jersey sweet corn. N. J. Agr. Col. Ext. L. 59, 4 p. July 1951. 275.29 N46L

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

BOTSFORD, H. E. Handling eggs for market. N. Y. Agr. Col. Cornell Ext. B. 416, rev., 29 p. July 1951. 275.29 N48E

CUSHMAN, E. M. Centers for your work and leisure. N. Y. Agr. Col. Cornell Ext. B. 811, 16 p. May 1951. 275.29 N48E

ROBB, B. B. Care and adjustment of the sewing machine. N. Y. Agr. Col. Cornell Ext. B. 815, 38 p. Aug. 1951. 275.29 N48E

GILMAN, H. L. Bovine brucellosis. N. Y. Agr. Col. Cornell Ext. B. 818, 29 p. June 1951. 275.29 N48E

Ohio State University, College of Agriculture, Agricultural Extension Service, Columbus

PATTERSON, V. How to grow bush fruits in the home garden. Ohio. Agr. Col. Ext. B. 323, 16 p. July 1951. 275.29 Oh32

OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Farm and home bulletins. Columbus, 1951. 2 p. 275.29 Oh32Fh

Puerto Rico University, College of Agriculture, Extension Service, Rio Piedras

OSUNA, P. Siembre una huerta. P. R. Agr. Col. Ext. C. 19, rev., 8 p. Apr. 1951. 275.29 P96Ci

South Carolina, Clemson Agricultural College, Extension Service, Clemson

VAN BLARICOM, L. O., and others. Freezing foods for home use. Clemson Agr. Col. S. C. Ext. B. 110, rev., 28 p. June 1951. 275.29 So8F

J. B. Cooper, R. F. Wheeler, K. F. Warner, and M. Martin, joint authors.

GOODING, P. H. Poultry sanitation and health. Clemson Agr. Col. S. C. Ext. C. 147, rev., 30 p. May 1951. 275.29 So8E

SOUTH CAROLINA. CLEMSON AGRICULTURAL COLLEGE. EXTENSION SERV. Prevention and control of brucellosis (Bang's disease). Clemson Agr. Col. S. C. Ext. C. 361, 20 p. July 1951. 275.29 So8E

SOUTH CAROLINA. CLEMSON AGRICULTURAL COLLEGE. EXTENSION SERV. Agricultural progress in South Carolina, 1950; annual report. Clemson, 1951? 43 p. 275.29 So8A

South Dakota State College of Agriculture, Extension Service, Brookings

SCHRADER, L. L., and COOK, S. Weed control in lawns and gardens. S. Dak. State Col. Agr. Ext. C. 465,27 p. Mar.1951. 275.29 So85

Texas Agricultural and Mechanical College, Agricultural Extension Service, College Station

PATTERSON, C. M. Mastitis and its control. Tex. Agr. Col. Ext. C. 292,8 p. Mar.1951. 275.29 T312C

TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Annual report, 1950. College Station,1951. 26 p. 275.29 T312A

Utah State Agricultural College, Extension Service, Logan

KNOWLTON, G. F. Mexican bean beetle [Epilachna varivestis]. Utah. State Agr. Col. Ext. B. 222, 2 p. June 1951. 275.29 Ut1

KNOWLTON, G. F., and COULAM, J. Termite control. Utah. State Agr. Col. Ext. B. 223,2 p. June 1951. 275.29 Ut1

KNOWLTON, G. F. House fly [Musca domestica] control. Utah. State Agr. Col. Ext. B. 224,2 p. June 1951. 275.29 Ut1

MILLER, E., and BROWN, E. F. Facts about foods and nutrition. Utah. State Agr. Col. Ext. B. 226, 31 p. Apr.1951. 275.29 Ut1

KNOWLTON, G. F. Wireworm control. Utah. State Agr. Col. Ext. B. 232,2 p. June 1951. 275.29 Ut1

KNOWLTON, G. F., and ANDERSON, E. M. Controlling insects in vegetable gardens. Utah. State Agr. Col. Ext. B. 233,8 p. May 1951. 275.29 Ut1

RICH, L. H. Dairy lifetime records and production leaders in Utah. Utah. State Agr. Col. Ext. B. 236,22 p. n.d. 275.29 Ut1

LEVIN, M. D., NYE, W. P., and KNOWLTON, G. K. Feeding pollen supplement and pollen substitute to honeybees. Utah. State Agr. Col. Ext. B. 237,6 p.-folder. June 1951. 275.29 Ut1

BOHART, G. E., and KNOWLTON, G. F. Honey bees for higher yields of alfalfa seed in Utah. Utah. State Agr. Col. Ext. B. 238,6 p.-folder. May 1951. 275.29 Ut1

JENKINS, W. R. Growth of Utah's turkey industry. Utah. State Agr. Col. Ext. B. 248,6 p. June 1951. 275.29 Ut1

STODDART, L. A., and others. The Halogeton problem in Utah. Utah. State Agr. Col. Ext. B. 250,12 p. June 1951. 275.29 Ut1

G. T. Baird, G. Stewart, B. S. Markham, and H. Clegg, joint authors.

Similar title in J. Range Mangt. 4:223-227. Ref. July 1951. 60.18 J82

BRUCE, J. V. Rats on the farm. Utah. State Agr. Col. Ext. B. 251,12 p. June 1951. 275.29 Ut1

ANDERSEN, E. M. Recommended Utah vegetable varieties. Utah. State Agr. Col. Ext. C. 229,6 p.-folder. Mar.1951. 275.29 Ut1

Washington State College, Extension Service, Pullman

HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 196,6 p.-folder. July 31,1951. 275.29 W27C

NOYES, H., and PATTISON, A. When you buy household equipment. Wash. State Col. Ext. Mimeog. 1039,8 p. n.d. 275.29 W27Mi

Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

KUEHNER, C. L. Management of bearing farm orchards. Wis. Agr. Col. Ext. C. 390,16 p. Sept. 1950. 275.29 W75C

PATTON, S. T., and STILLMAN, G. S. Cooking for crowds. Wis. Agr. Col. Ext. C. 391,24 p. Oct.1950. 275.29 W75C

ALBERT, A. R. Six long strides to better sandy soils. 5. Increase soil organic matter. Wis. Agr. Col. Ext. Spec. C.,2 p. Mar.1951. 275.29 W75S

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Spraying farm orchards. Wis. Agr. Col. Ext. Stencil C. 157,rev.,4 p. Mar.1951. 275.29 W75B

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Insect control; recommendations for Wisconsin in 1951. Wis. Agr. Col. Ext. Stencil C. 287,rev.,16 p. Jan.1951. 275.29 W75B

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the library during the preceding month.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO: what it is; what it does; how it works. Washington,1951. 7 p.-folder. 389.9 F735Le

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Monthly bulletin [of] food and agricultural statistics 4(4/5-6),32 p. Apr./May-June 1951. 251 F73M

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. DANISH NATIONAL FAO-COMMITTEE. Report to the Food and Agriculture Organization of the United Nations (FAO). n.p.,1951. 107 p. 389.9 F7353Da

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. WORKING PARTY ON PROGRAM OF WORK AND ASSOCIATED LONG-TERM PROBLEMS. Report to the council and to member countries. Rome,1951. 44 p. 389.9 F7355

LATIN AMERICAN REGIONAL MEETING ON FOOD AND AGRICULTURAL PROGRAMS AND OUTLOOK. 2d, MONTEVIDEO, 1950. Agriculture in Latin America: current development and prospects; two reports of the second Regional Meeting on Food and Agricultural Programs and Outlook in Latin America, Montevideo, Uruguay, December 1950. Washington, Food and Agr. Organ. United Nations,1951. 169 p. 281.16 L34

ORGANIZATION OF AMERICAN STATES. Manual for the use of the delegates to the fourth Inter-American Conference on Agriculture and the second Latin American Regional Meeting on Food and Agricultural Programs and Outlook, Montevideo, Uruguay, December 1,1950. Washington, Pan American Union-FAO, 1950. 185 p. 150.91 M32

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- 80941** ADAM, J. Noms Toma d'arbres et arbustes (Guinée Française). Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(2):150-152. 1951. 515 C762C
- 80942** AMICO, A. Notes on the history of vegetation in Puglia. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.):57:296-299. 1950. 450 N92
English summary.
- 80943** ANZALONE, B. Aspects of the vegetation of Zannone Island. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.):57:313-315. 1950. 450 N92
English summary.
- 80944** AUSTIN, J. Photographing flowers. South. Florist & Nurseryman 64(22):14-15;81-82. Aug.24,1951. 80 So86
- 80945** BACHMANN, M. Pollenformen helfen eiszeitflora und honigherkunft erforschen. Orion 6:421-424. June 1951. 474 Or4
- 80946** BARKLEY, W. D. Hitch-hiking seeds. Nat. Mag. 44:420-424. Oct.1951. 409.6 N214
Photography.
- 80947** BATALLER, J. R., and DEPAPE, G. Flore oligocene de Cervera (Catalogne). Esc. de Peritos Agr. y de Especialidades Agropecuarias y Serv. Téc. de Agr. An. 9:3-60. Ref. 1951. 105.6 B233
- 80948** BATTEY, M. H. Tree trunks preserved in lava. Amer. J. Sci. 249:695. Sept.1951. 470 Am34
- 80949** BREHME, K. Jahrringchronologische und -klimatologische untersuchungen an hochgebirgslärchen des Berchtesgadener landes. Z. f. Weltforstwirtschaft. 14:65-80. Ref. Aug.1951. 99.8 Z35
English summary.
- 80950** CAMPAGNA, E. An outline of the 1950 ragweed pollen survey in eastern Canada. Canada. Natl. Weed Comt. East. Sect. Proc. 4:77-82. July 1951. 79.9 C164
- 80951** CATALANO, G. The story of man's control over plants. (In Italian.) Delpinoa 3:49-135. 1950. 451 N16
English summary.
- 80952** CERCOS, A. P. Antibiotico DINR. 49-I (Fungocina) producido por "Bacillus subtilis" con actividad sobre hongos patogenos de animales y vegetales. Argentina. Dir. Gen. de Invest. Agr. Rev. de Invest. Agr. 4:325-335. July 1950. 9 R329
English summary.
- 80953** CHAMPEX, SWITZERLAND. ALPINE GARDEN "FLOREALP." Seed list, 1950/51. Champex, 1950. 10 p. 61.5 C35
- 80954** COLWELL, R. N. The use of radioactive isotopes in determining spore distribution patterns. Amer. J. Bot. 38:511-523. Ref. July 1951. 450 Am36
- 80955** CORTI, R. Collecting in Lecce in the Arneo region (between Taranto and Gallipoli). (In Italian.) Nuovo Gior. Bot. Ital. (n.s.):57:34-56. Ref. 1950. 450 N92
English summary.
- 80956** DURHAM, O. C. The pollen harvest. Econ. Bot. 5:211-254. Ref. July/Sept.1951. 450 Ec7
- 80957** FARRAG, H. The production of antibiotics by moulds. Roy. Egypt. Med. Assoc. J. 34:124-126. 1951. 448.9 Eg93
- 80958** FAUQUE, J. Jardins botaniques et acclimatation. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(2):44-46. 1951. 515 C762C
- 80959** FENTON, E. W. Some factors affecting the vegetation of uncultivated land. Agr. Prog. 25:102-108. 1950. 10 Ag86
Scotland.
- 80960** FLORIN, R. Evolution in Cordaites and conifers. Acta Horti Bergiani 15:285-388. Ref. 1951. 451 Sw3
- 80961** FREY-WYSSLING, A. Elektronen mikroskopie. Zürich. Natforsch. Gesell. Neujahrsbl. 153,46 p. Ref. 1951. 508 Z8N
- 80962** FULLER, G. D. The ligneous flora of Richland County, Ill., by Robert Ridgway. (An unpublished manuscript). Ill. State Acad. Sci. Trans. 43:40. 1950. 500 IL6
Now filed in Illinois State Museum.
- 80963** GESSNER, F. Pflanzen am Ätna. Orion 6:348-352. May 1951. 474 Or4
- 80964** GLENN, R. The botanical explorers of New Zealand. Wellington, Reed, 1950. 176 p. 452.6 G48
- 80965** GUZMAN F., A. Enseñanza de la botánica en las escuelas rurales. Rev. de Agr. [San José] 23:210-211. July 1951. 8 Es1
Costa Rica.
- 80966** HARTELIUS, V., and DITLEVSEN, E. The cement block, an improved block for spore-formation in yeast. Nature [London] 168:385. Sept.1,1951. 472 N21
- 80967** HOPPE, F. E. A glass-tumbler-paper-doll technique for seed corn incubation and germination tests. Phytopathology 41:856-858. Sept.1951. 464.8 P56
- 80968** HORTUS BOTANICUS NEAPOLITANUS. Destructus sporarum—seminum—fructuum anno MCML collectum. Delpinoa 3:I-XXIII. 1950. 451 N16
- 80969** HORVAT, I. Exploration et dressage des cartes de la végétation des versants méridionaux de la Croatie occidentale et de la contrée de la source de la Kupa. (In Croatian.) Šumarski List 75:221-235. June 1951. 99.8 Su6
French summary.
- 80970** HOWELL, J. T. Plant types in the Herbarium of the California Academy of Sciences. VII. Wasmann J. Biol. 9:119-126. Spring 1951. 442.8 W28
- 80971** HUFNAGL, Das betriebsherbar. Allg. Forstztg. 62:133-134. Aug.1951. 99.8 AL53
- 80972** INSTITUT FÜR KULTURPFLANZENFORSCHUNG. Index seminum. Gatersleben, 1951. 54 p. 61.5 G22
- 80973** JONGMANS, W. J. Fossil plants of the Island of Bintan. Nederland. Akad. van Wetensch. Proc. Ser. B, Phys. Sci. 54:183-190. 1951. 330.9 Am8
- 80974** KIRSTENBOSCH NATIONAL BOTANIC GARDENS OF SOUTH AFRICA. Seed list, 1951. Kirstenbosch, 1951. 8 p. 61.5 K63
- 80975** LEHMANN, E. Erlebte pflanzenwelt. Orionbücher 20,87 p. 1950. 410 Or4
- 80976** LIMA, D. DE A. Catalog of the herbarium of the Higher School of Agriculture in Tapera (Pe.). (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 17:241-319. (Cont.) July/Dec.1950. 9.2 P423
- 80977** LUNDGREN, S. Stiglöst land; fjäll och tundra-marker i nordligaste Sverige [Land without tracks; mountains and tundras in the northernmost Sweden]. Stockholm, Nordisk Rotogravyr, 1950. 180 p. 126 L97
Includes vegetation.
- 80978** MANIERO, J. Parataxopitys brasiliensis, gen. n. sp. n., a new wood of the Lower Permian. (In Portuguese.) Acad. Bras. de Cien. An. 23:105-112. Mar.31, 1951. 516 R473A
- 80979** MARTINOLI, G. Flora and vegetation of Cape S. Elia (Southern Sardinia). (In Italian.) Nuovo Gior. Bot. Ital. (n.s.):57:57-148. Ref. 1950. 450 N92
English summary.
- 80980** MENÉNDEZ AMOR, J. Flora fanerogámica del Terciario y su extensión en la Península. Soc. Española. de Hist. Nat. B. Secc. Geol. 48:155-166. 1950. 403 So1
- 80981** MONTELUCCI, G. Excursion to Ripoli Hill and Villa Adriana near Tivoli. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.):57:309-311. 1950. 450 N92
- 80982** NEGRI, G. Excursion of the Italian Botanical Society to the island of Elba (April 1950): notes on the vegetation. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.):57:276-293. 1950. 450 N92
English summary.
- 80983** NEUBACHER, F. Schutz der alpenflora. Landarb.-Arch. 6:218-221. June 1951. 283.8 L23
Austria.
- 80984** NIKLITSCHKE, A. Europas unheimlichste pflanze [Mandragora vernalis]. Gart.-Z. Illus. Flora 74:74-76. July 1951. 80 G1991
- 80985** NOIRFALISE, A., and GALOUX, A. Les étages de végétation dans l'Ardenne Belge. Groenendaal. Sta. de Rech. Trav. Ser. A 6,16 p. 1950. 99.9 G89
- 80986** OKUYAMA, S. Tentative list of plants for collectors. 11. (In Japanese.) J. Jap. Bot. 26:151-155. May 1951. 450 J8223
- 80987** OTERO, A. R. Las flores del paisaje cubano. Acción Agr. [Eabana] 1(3):12. Feb.1951. 8 Ac22
- 80988** PIGOTT, D. Some notes on the vegetation and flora of Knoydart. Scot. Nat. 63:50-63. Spring 1951. 410 Sco3
- 80989** PUCCINI, G. Naturalization and spontaneous reproduction of ornamental plants in Western Liguria. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.):57:23-33. Ref. 1950. 450 N92
English summary.

80990 RÜE, E. A. DE LA. Les îles australes françaises: l'Archipel de Kerguelen. *Nature* [Paris] 3193: 144-149. May 1951. 473 N21

Includes vegetation.

80991 SALLUSTIO, C. Collecting in the Marinelli woods (Ruvo di Puglia). (In Italian.) *Nuovo Glor. Bot. Ital.* (n.s.) 57:300-302. 1950. 450 N92

English summary.

80992 SCHULMAN, E. Miscellaneous ring records. III. Tree-Ring B. 17:28-29. Apr. 1951. 99.8 T713

Fossil tree rings at Mesa Verde.

80993 SCHÜTRUMPF, R. Die pollenanalytische untersuchung der verlandungsschichten des Wellsees bei Kiel—ein beispiel für eine anwendung der pollenanalyse in der praxis. *Natwiss. Ver. f. Schleswig-Holstein. Schr.* 25:131-137. 1951. 509 K54

80994 SCHWEIZERISCHE NATURFORSCHENDE GESELLSCHAFT. Vegetationskarte der Schweiz. 3. Berner Oberland—Wallis—Genf. Bern, 1951. map. 459.6 Sch9

80995 SHIMADA, M. Pollen analyses of lignites. I. Tôhoku U. Sci. Rpt. Ser. 4. (Biol.) 19:47-50. Ref. Mar. 1951. 513 T574Ab

80996 STEVENS, O. A. Plants of southwestern North Dakota. *N. Dak. Outdoors* 14(1):9-10. July 1951. 412.9 N815

80997 STEWART, W. N. Report on the Carr and Daniels collections of fossil plants from Mazon Creek. Ill. State Acad. Sci. Trans. 43:41-45. Ref. 1950. 500 IL6

80998 SWART, H. J. DE. Wageningen, center of agricultural and garden science; a visit to the Institute for Breeding Agricultural Plants. (In Dutch.) *Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit* 5:3. Aug. 3, 1951. 286.28 V22

80999 TOMASELLI, R. Face to face with the tree. (In Italian.) *Sci. e Lav.* 6(4):1-64. Apr. 1951. 475 Sci27

81000 VSESOÏŪZNOE BOTANICHESKOE OBSHCHESTVO. Problemy botaniki [Problems of botany], v. 1. Moskva, Akademiya Nauk SSSR, 1950. 549 p. 451.1 V962

81001 WAGNER-LÖFFLER, F. Der Nestor unter den bäumen. *Internatl. Holzmarkt* 42(9):12-13. May 5, 1951. 99.81 In82

81002 WALTER, M. Der alpenblumenstrauss im briefmarkenalbum. *Orion* 6:437-444. June 1951. 474 Or4

81003 WATARI, S. Notes on the erect stumps discovered at the sea bottom of the Toyama Bay. (In Japanese.) *J. Jap. Bot.* 26:147-150. May 1951. 450 J8223

English summary.

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

81004 BATALLA, E., and MASCLANS, F. Catálogo de las plantas observadas en la cuenca del Gaia (Tarragona). *Barcelona. Inst. Bot. Collect. Bot.* 2:343-429. 1950. 451 B234

81005 CALKDER, J. A. Plants from the upper Frobisher Bay region, Baffin Island, N.W.T., Canada. *Canad. Field-Nat.* 65:47-60. Mar./Apr. 1951. 410.9 Ot8

81006 DUTILLY, A., and LEPAGE, E. La traversée de l'Ungava en 1945. *Nat. Canad.* (ser.3) 22:5-77. Jan./Apr. 1951. 410 N216

Flora.

81007 HAUGEN, J. E. Frå floraen i Oppdal serleg Storlidalen [The flora in Oppdal, especially in Storlidalen]. *Norske Vidensk. Selsk. Skr.* 2, 22 p. 1948, pub. 1950. 502 T41S

81008 HERTER, W. G. Flora del Uruguay. II. *Rev. Sudamer. de Bot.* 9:29-58. May 1951. 450 R3242

81009 HIYAMA, K. Fragmental notes on the Japanese plants. 2. *J. Jap. Bot.* 26:155-158. May 1951. 450 J8223

81010 HOWELL, J. T. Base Camp [California] Botany. 19 p. n.p., 1950. 455.82 H83

1950 by P. H. Raven.

81011 JANCHEN, E. Beiträge zur benennung, verbreitung und anordnung der farn- und blütenpflanzen. Österreichs, III. *Phyton* 3:1-21. 1951. 450 P565

81012 JUST, T. Citation of specimens in cytotaxonomic literature. *Evolution* 5:280-281. Ref. Sept. 1951. 443.8 Ev62

81013 KENT, D. H. The flora of bombed sites in Canterbury. *Watsonia* 2:12-17. June 1951. 450 W33

81014 KOMAROV, V. L. Flora man'chzhurii [Flora of Manchuria]. Moskva, Akademiya Nauk SSSR, 1949-50. 2 v. (Komarov, V. L. Izbrannye sochineniya, v. 3-4) 330 K83

81015 LAGERKRANZ, J. Observations on the flora of west and east Greenland made during four voyages 1934, 1936, 1938, and 1946. *Uppsala. Vetensk. Soc. Nova Acta* (ser.4) 14(6), 142 p. Ref. 1950. 502 Up7N

81016 LLENSA DE GELCEN, S. Nuevas aportaciones sobre la flora y la selvicultura de la comarca del Pallars Sobirà (Pirineo leridano). *Esc. de Peritos Agr. y de Especialidades Agropecuarias y Serv. Tec. de Agr. An.* 9:169-192. 1951. 105.6 B233

81017 MAEKAWA, F. Specific epithet Kelsak probably derived from the name of Mr. Kelsaku Ninomiya, a pupil of Siebold. (In Japanese.) *J. Jap. Bot.* 26:134. May 1951. 450 J8223

81018 ROBYNS, W. Une flore generale de Belgique. *Brussels. Jard. Bot. de l'Etat. B.* 21:1-10. Ref. June 1951. 451 B83B

81019 ROUTHIER, P. La Nouvelle-Calédonie. *Nature* [Paris] 3198:245-251. Aug. 1951. 473 N21

Includes information on flora and agriculture.

81020 SCHULTZE-RHONHOF, A. Pflanzengeographische beobachtungen aus den regenwäldern von Ecuador und den angrenzenden gebieten von Colombia. *Bot. Jahrb.* 75:221-270. 1950. 450 En3B

81021 ZÖTTL, H. Experimentelle untersuchungen über die ausbreitungsfähigkeit alpinen pflanzen. *Phyton* 3:121-125. 1951. 450 P565

81022 ZWICKY, H. Die flora des Tessins. Bern. Natforsch. Gesell. Mitt. (n.s.) 7:XXXVII-XXXIX. 1950. 508 B45

Spermatophytes

81023 AIRY SHAW, H. K. Note on the publication of the name *Cuscuta trifolii*. *Watsonia* 2:8-9. June 1951. 450 W33

81024 BIANCHINI, M. The geography of the cassava. (In Italian.) *Soc. Geog. Ital. B.* (ser.8) 4:26-53. Ref. Jan./Apr. 1951. 507 Sol15B

English summary.

81025 BOUTIQUE, R. Annonacées nouvelles de la flore du Congo Belge et du Ruanda-Urundi. *Brussels. Jard. Bot. de l'Etat. B.* 21:95-126. Ref. June 1951. 451 B83B

Includes new species in: *Toussaintia* n.g., *Afroguatteria* n.g., *Exellia* n.g., *Atopostema* n.g., and *Gibertiella* n.g.

81026 BUZI, V. C. Identification of the Gramineae by their vegetative characters. (In Italian.) *Nuovo Glor. Bot. Ital.* (n.s.) 57:316-317. 1950. 450 N92

English summary.

81027 CABRERA, A. L. Observaciones sobre los generos *Gochnatia* y *Moquinia*. *La Plata. Mus. Notas.* Bot. 74, 48 p. 1950. 451 L31

81028 CHEVALIER, A. L'Afraurantium Chev. du Sénégal est un bergamotier. *Rev. Internatl. de Bot. Appl. et d'Agr. Trop.* 31:233-234. Mar./Apr. 1951. 26 R323

81029 CHEVALIER, A. A propos de l'Eucalyptus coccifera Hook. f. var. *favieri* Chev. *Rev. Internatl. de Bot. Appl. et d'Agr. Trop.* 31:234-235. Mar./Apr. 1951. 26 R323

81030 CHEVALIER, C. La synonymie chez les Crassulacées. *B. Hort.* (n.s.) 6:227-229, 233. Aug. 1, 1951. 80 B873

81031 DOORENBOS, J. The history of the "Persian" *Cyclamen* [*C. persicum*]. *Landhogesch. Meded.* 50:31-59. Ref. 1950. 105.2 W122

81032 DOORENBOS, J. Taxonomy and nomenclature of *Cyclamen*. *Landhogesch. Meded.* 50:17-30. Ref. 1950. 105.2 W122

81033 FARRENS, B. M. L. An historical study of the taxonomy of the American *Tulipae* (Liliaceae). *Stanford U. Abs. Diss.* 25:77-78. Nov. 30, 1951. 241.8 St2

81034 GRAHAM, R. A. Mint notes. IV. *Mentha piperita* L. and the British peppermints. *Watsonia* 2:30-35. June 1951. 450 W33

81035 HARA, H. *Apocynum venetum* found in northernmost Honshu. (In Japanese.) *J. Jap. Bot.* 26:115. Apr. 1951. 450 J8223

81036 HARA, H. *Solidago gigantea* and *S. altissima* in Japan. (In Japanese.) *J. Jap. Bot.* 26:158-159. May 1951. 450 J8223

81037 HARLING, G. Contributions to the knowledge of the family *Cyclanthaceae* in Ecuador. *Acta Horti Bergiani* 15:185-206. 1950. 451 Sw3

81038 HAUMAN, L. Contribution à l'étude des *Chrysobalanoidae* africaines. *Brussels. Jard. Bot. de l'Etat. B.* 21:167-198. June 1951. 451 B83B

Includes new species in *Magnistiipula* and *Hirtella*.

81039 HESLOP-HARRISON, J. W. Vascular plants in the Outer Hebrides in 1950. *Durham. U. Philos. Soc. Proc.* 11(1), 11 p. 1951. 501 D93

- 81040 HUNZIKER, A. T. Estudios sobre Solanaceae. I. Sinopsis de las especies silvestres de Capsicum de Argentina y Paraguay. Darwiniana 9:225-247. 1950. 450 D25
- 81041 JOHNSON, L. A. S. A hitherto undescribed Kochia (Chenopodiaceae). N. S. Wales Natl. Herb. Contrib. 1:343-345. Nov. 1950. 451 N47
- 81042 KRAPOVICKAS, A. Revisión del género Lecanophora (Malvaceae). Darwiniana 9:248-279. Ref. 1950. 450 D25
- 81043 KÜKENTHAL, G. Vorarbeiten zu einer monographie der Rhynchosporideae. Bot. Jahrb. 75:127-195. (Cont.) 1950. 450 En3B
- 81044 LEGRAND, D. Contribuciones mirtológicas argentinas. Correcciones o adiciones a la "Lista preliminar de las Mirtáceas argentinas" (Darwiniana, 1941). Darwiniana 9:280-305. Ref. 1950. 450 D25
Includes new species in Pseudocaryophyllus and Eugenia.
- 81045 LEONARD, E. C. The Acanthaceae of Colombia, I. U. S. Natl. Mus. Contrib. U. S. Natl. Herb. 31(1), 117 p. 1951. 450 C76
Includes new species in: Mendoncia, Sanchezia, Blechnum, and Ruellia.
- 81046 LEONARD, J. Notulae systematicae. X. Leguminosae—Caesalpinieae africanae novae. Brussels. Jard. Bot. de l'Etat. B. 21:127-139. June 1951. 451 B83B
New species in Aphanocalyx, Baikiaea, Monopetalanthus, and Pynaertiodendron.
- 81047 LINDSAY, D. R. Biology of leafy and cypress spurge [Euphorbia cyparissias] with notes on their distribution in eastern Canada. Canada. Natl. Weed Comt. East. Sect. Proc. 4:68-72. Ref. July 1951. 79.9 C164
- 81048 LITARDIERE, R. DE. Un Festuca inédit de Castille: F. amethystina L. emend. St.-Y. var. tremoliana (Font Quer et Pau) R. Lit. Barcelona. Inst. Bot. Collect. Bot. 2:431-435. 1950. 451 B234
- 81049 LOSA, M. Dos especies nuevas. Barcelona. Inst. Bot. Collect. Bot. 2:295-301. 1950. 451 B234
Viola palentina and Saxifraga urbinica.
- 81050 LUNDELL, C. L., and others. Flora of Texas, v. 3, pt. 5, p.263-366. Menasha, Wis., 1951. 455.63 L97
Umbelliferae and Campanulaceae.
- 81051 LUSINA, G. Some new forms of various species of Amaranthus. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.) 57:312-313. 1950. 450 N92
English summary.
- 81052 MAEKAWA, F. Additions to Mr. Muroi's etymological notes on Macleya cordata. (In Japanese.) J. Jap. Bot. 26:120. Apr. 1951. 450 J8223
- 81053 MAEKAWA, F. Eriocaulon heleocharioides may belong to the same section with American E. septangulare. (In Japanese.) J. Jap. Bot. 26:116. Apr. 1951. 450 J8223
- 81054 MARKGRAF, F. Die Campanulaceen von Südwestafrika. Bot. Jahrb. 75:206-220. 1950. 450 En3B
- 81055 MARTIN, A. C. Identifying pondweed [Potamogeton] seeds eaten by ducks. J. Wildlife Mangt. 15:253-258. July 1951. 410 J827
- 81056 MARTINOLI, G. Occurrence of Armeria leucocaecephala Koch var. procera Boiss. in Sardinia and its phytogeographical significance. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.) 57:11-22. Ref. 1950. 450 N92
English summary.
- 81057 MAUNY, R. L'origine du mot baobab. Notes Africaines 50:57-58. Ref. Apr. 1951. 475 N84
Adonsonia digitata.
- 81058 MENZEL, M. Y. The cytotaxonomy and genetics of Physalis. Amer. Philos. Soc. Proc. 95:132-183. Ref. Apr. 30, 1951. 500 P533
- 81059 MIMEUR, G. Un genre nouveau [Argopogon] de Graminée (Andropogonae) africaine. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 31:211-213. Mar./Apr. 1951. 26 R323
- 81060 MIMEUR, G. Systématique spécifique du genre Coix et systématique variétale de Coix lacrymajobi. Morphologie de cette petite céréale et étude de sa plantule. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 31:197-211. Ref. Mar./Apr. 1951. 26 R323
- 81061 MONTERRAT, P. El Salix lapponum L. en España. Barcelona. Inst. Bot. Collect. Bot. 2:439-443. Ref. 1950. 451 B234
- 81062 OUREN, T. Gentiana purpurea L. in Trøndelag (In Norwegian.) Norske Vidensk. Selsk. Mus. Arsberet. 1950:68-80. Ref. 502 T41A
- 81063 PERRIER DE LA BATHIE, H. Distribution et ecologie du Gossypioidees brevianatum (Hochr.) Hutchinson de Madagascar. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 31:231-232. Mar./Apr. 1951. 26 R323
- 81064 PIGOTT, C. D. Scutellaria hastifolia in Britain. Watsonia 2:18-21. June 1951. 450 W33
- 81065 PORSILD, A. E. Two new Oxytropis from arctic Alaska and Yukon. Canad. Field-Nat. 65:76-79. Mar./Apr. 1951. 410.9 Ot8
Oxytropis jordanii and Oxytropis koyukukensis.
- 81066 RAYMOND, M. L'habitat de certaines Gentianes de la section Crossopetalae. Nat. Canad. (ser.3) 22:81-87. Ref. May 1951. 410 N216
- 81067 RECHINGER, K. H., JR. Cruciferae iranicae novae vel minus cognitae (Rechingeri iter iranicum secundum—17). Phytos 3:44-68. 1951. 450 P565
Includes new species in: Brassica, Crambe, Isatis, Pachytergium, Aethionema, Thlaspi, Chrysanthemopsis n.g., Fibigia, Alyssum, Ptilotrichum, Arabis, Koelzla n.g., Tetracme, Matthiola, Parrya, Cithareloma, Malcolmia, Hesperis, Sterigmomestemon, and Sisymbrium.
- 81068 RYBERG, M. Studies in the taxonomy and fertility of some Scandinavian Corydalis species of the sect. Pes-Gallinaceus Irmisch. Acta Horti Bergiani 15:207-283. Ref. 1950. 451 Sw3
- 81069 SANO, S. How Solanum elaeagnifolium Cav. came over to Port Nagaura, Japan. (In Japanese.) J. Jap. Bot. 26:139-140. May 1951. 450 J8223
- 81070 SATAKE, Y. On the genus Tripterispermum and some Formosan species. (In Japanese.) J. Jap. Bot. 26:103-108. Apr. 1951. 450 J8223
English summary.
- 81071 SAUER, J. D. Studies of variation in the weed genus Phytolacca. II. Latitudinally adapted variants within a North American species. Evolution 5:273-279. Sept. 1951. 443.8 Ev62
- 81072 SCHIEMANN, E., and SCHWEICKERDT, H. G. Neue untersuchungen an Secale africanum Stapf. I. Zur wiederauffindung des afrikanischen roggen. Bot. Jahrb. 75:196-205. Ref. 1950. 450 En3B
- 81073 SCHULTES, R. E. El género Herrania pariente silvestre del cacao cultivado. Agr. Trop. 7(7):43-48. July 1951. 26 Ag8
- 81074 SCHULTES, R. E. Plantae austro-americanae VII. Harvard U. Bot. Mus. L. 15:29-78. June 29, 1951. 451 H262
Includes new species in: Navia, Senefelderopsis n.g., Lueheopsis, Quararibea, Clusia, Conomorpha, Cyblanthus, and Ambelania.
- 81075 SCHWEINFURTH, C. Orchidaceae peruviana. VIII. Harvard U. Bot. Mus. L. 15:79-109. Aug. 15, 1951. 451 H262
Includes new species in: Lepanthes, Pleurothallis, Liparis, and Diothonea.
- 81076 SCOGGAN, H. J. Families of flowering plants. Outdoors Illus. 3(5, i.e. 3):102-105. May/June 1951. 410 C162
- 81077 SHINNERS, L. H. Notes on Texas Compositae—VIII. Field & Lab. 19:133-136. June 1951. 470 F46
- 81078 SHINNERS, L. H. The Texas species of Euthamia (Compositae). Field & Lab. 19:137-138. June 1951. 470 F46
- 81079 SHINNERS, L. H. The Texas species of Evax (Compositae). Field & Lab. 19:125-127. June 1951. 470 F46
- 81080 STEINER, E. Phylogenetic relationships of certain races of Euphorbia from Mexico and Guatemala. Evolution 5:265-272. Ref. Sept. 1951. 443.8 Ev62
- 81081 STOCKING, K. M. Some taxonomic and ecological considerations of Marah, Echinopepon, and Echinocystis in Canada, the United States, and northern Mexico. U. South. Calif. Abs. Diss. 1950:40-43. 1951. 241.8 Un32
- 81082 STUCCHI, C. Sagittaria latifolia L. in Varesotto. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.) 57:272-274. 1950. 450 N92
English summary.
- 81083 TROUPIN, G. Plantae africanae. I. Myristicaceae—Connaraceae. Brussels. Jard. Bot. de l'Etat. B. 21:141-147. June 1951. 451 B83B
Staudtia and Santaloidella.
- 81084 TUYAMA, T. Discussion on the first record of Santalum from the Bonin Islands. (In Japanese.) J. Jap. Bot. 26:125-128. Apr. 1951. 450 J8223
- 81085 UBACH, M. La Veronica peregrina L. en Cataluña. Barcelona. Inst. Bot. Collect. Bot. 2:437. 1950. 451 B234
- 81086 VERGNAUD, H. L'armoise [Artemisia] conquérante d'espace. Nature [Paris] 3193:154-155. May 1951. 473 N21

- 81087 VICKERY, J. W. Contributions to the taxonomy of Australian grasses. N. S. Wales Natl. Herb. Contrib. 1:322-343. Nov.1950. 451 N47
- 81088 WARD, F. K. *Cornus chinensis* (K. W. 19300). Card. Chron. 130:43-44. Aug.4,1951. 80 G162
- 81089 WEBB, D. A. The mossy Saxifragas of the British Isles. *Watsonia* 2:22-29. June 1951. 450 W33
- 81090 WILCZEK, R. Deux nouvelles especes de *Caesalpinia* du Congo Belge. *Brussels. Jard. Bot. de l'Etat. B.* 21:83-86. June 1951. 451 B83B
- 81091 WILCZEK, R. Revision des genres *Blighia* Koenig et *Phalodiscus* Radlk. *Brussels. Jard. Bot. de l'Etat. B.* 21:149-165. June 1951. 451 B83B
- 81092 WILLIAMS, L. O. The Orchidaceae of Mexico. *Ceiba* 2:99-194. (Cont.) Aug.15,1951. 475 C32

Pteridophytes

- 81093 ALLSOPP, A. *Marsilea* spp.: materials for the experimental study of morphogenesis. *Nature [London]* 168:301-302. Aug.18,1951. 472 N21
- 81094 COPELAND, E. B. *Aspidiaceae* of New Guinea. *Philippine J. Sci.* 78:389-475. Dec.1949, pub.1950. 475 P53
- 81095 COPELAND, E. B. The origin of the Philippine fern flora. *Philippine J. Sci.* 79:1-5. Mar.1950. 475 P53
- 81096 MORTON, C. V. A new fern of the genus *Danaea* from Colombia. *Wash. Acad. Sci. J.* 41:276. Aug.1951. 500 W276J
- 81097 MURAYAMA, D. On the fungi disseminated by *Oxya yezoensis* Shiraki. (In Japanese.) *Sapporo Soc. Agr. & Forestry. J.* 39:16-21. Ref. Mar.1951. 22.5 S01
- 81098 SANCHEZ MEJORADA, H., and CHAVEZ, C. Breves notas sobre las Pteridofitas de la Barranca de Omítlan, Hgo. *Soc. Bot. de Méx. B.* 12:28-36. June 1951. 451 S0125
- 81099 WAGNER, W. H., JR. Ferns naturalized in Hawaii. *Bernice P. Bishop Mus. Occas. Papers* 20:95-121. Ref. Nov.30,1950. 500 B450

Bryophytes

- 81100 BERGHEN, C. VANDEN. Contribution a l'etude des especes africaines du genre *Brachiolejeunea* (Spruce) Schiffn. *Brussels. Jard. Bot. de l'Etat. B.* 21:87-94. June 1951. 451 B83B
- 81101 BERGHEN, C. VANDEN. Contribution à l'etude des espèces africaines du genre *Ceratolejeunea* (Spruce) Schiffn. *Brussels. Jard. Bot. de l'Etat. B.* 21:81-81. June 1951. 451 B83B
- 81102 CRUM, H. A. Lista de las especies de Musgos del noreste de Mexico. *Soc. Bot. de Méx. B.* 12:1-27. June 1951. 451 S0125
- English summary.
- 81103 DEMARET, F., POTIER DE LA VARDE, R. Les especes africaines du genre *Cyclodictyon* Mitt. *Brussels. Jard. Bot. de l'Etat. B.* 21:11-59. June 1951. 451 B83B
- 81104 FULFORD, M. Distribution patterns of the genera of leafy Hepaticae of South America. *Evolution* 5:243-264. Ref. Sept.1951. 443.8 Ev62
- 81105 HATTORI, S. Three Indian liverworts. (In Japanese.) *J. Jap. Bot.* 26:159-160. May 1951. 450 J8223
- 81106 NOGUCHI, A. Notes on a genus of mosses, *Weisiopsis* Broth. (In Japanese.) *J. Jap. Bot.* 26:129-134. May 1951. 450 J8223
- 81107 SHIN, T. Contributions to the moss flora of southern Japan. I. *J. Jap. Bot.* 26:121-124. Apr.1951. 450 J8223
- 81108 TOSCO, U. Bryologic flora of the sandhills of Grugliasco (Turin). (In Italian.) *Nuovo Gior. Bot. Ital.* (n.s.) 57:223-228. 1950. 450 N92
- English summary.
- 81109 TOSCO, U. Notes for a bryologic catalog of the Piedmont. (In Italian.) *Nuovo Gior. Bot. Ital.* (n.s.) 57:304-306. 1950. 450 N92
- English summary.

Algae

- 81110 ALLEN, G. O. Four days Charophyte collecting in the Ely District. *Watsonia* 2:10-11. June 1951. 450 W33
- 81111 ASSMAN, A. V. Role of algal overgrowth in the formation of organic matter in a reservoir. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:905-908. Ref. Feb.21,1951. 511 P444A
- Study of algae on *Equisetum heleocharis* Ehrn.

- 81112 BECKING, L. G. M. B. Notes on some Cyanophyceae of the Pacific Region. *Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci.* 54:213-225. May/June 1951. 442.9 Am8
- 81113 COOPER, I. C. G. *Cladophora* on Staten Island. *Staten Isl. Inst. Arts & Sci. Proc.* 13:65-67. Apr. 1951. 500 S2
- 81114 FUKUSHIMA, H. Les algues d'eau douce observées pour la première fois au Japon. *J. Jap. Bot.* 26:135-139. May 1951. 450 J8223
- 81115 GRØNTVED, J. Phytoplankton studies. I. *Nitzschia frigida* Grun., an Arctic-inner-Baltic diatom found in Danish waters. *Danske Vidensk. Selsk. Biol. Meddel.* 18(12), 19 p. 1950. 442.9 D23
- 81116 IRENEE-MARIE, FRÈRE. Desmidiées de la région de Quebec. *Nat. Canad. (ser.3)* 22:88-127. May 1951. 410 N216
- 81117 MARGALEF, R. Materiales para una flora de las algas del NE. de España. III b, *Euchlorophyceae*. *Barcelona. Inst. Bot. Collect. Bot.* 2:273-293. Ref. 1950. 451 B234
- 81118 PRESCOTT, G. W. Algae of the Western Great Lakes area; exclusive of desmids and diatoms. *Cranbrook Inst. Sci. B.* 30,946 p. 1951. 410.9 C85B
- 81119 SORIANO, J. D. Soil algae of Manila and vicinity. *Soil Sci. Soc. Philippines. J.* 3:103-107. Second Q.1951. 56.9 S035

Fungi (Including Lichens)

- 81120 AINSWORTH, G. C., and SAMPSON, K. The British smut fungi (Ustilaginales). *Kew, Surrey, Eng., Commonwealth Mycol. Inst., 1950.* 137 p. Ref. 462.062 A16
- 81121 ARX, J. A. VON. Ueber die gattung *Laestadia* und die *Gnomoniaceen*. *Antonie van Leeuwenhoek J. Microbiol. & Serol.* 17:259-272. Ref. 1951. 448.8 N28A
- English summary.
- 81122 ASAHINA, Y. Lichenes Japoniae novae vel minus cognitae. *J. Jap. Bot.* 26:97-102. Apr.1951. 450 J8223
- 81123 BATISTA, A. C. Three new species of *Podaxis* in Pernambuco. (In Portuguese.) *Pernambuco. Sec. de Agr., Indus. e Com. B.* 17:320-324. Ref. July/Dec.1950. 9.2 P423
- P. dilabentis*, *P. fastigatus*, and *P. deciduus*.
- 81124 BENJAMIN, R. K., and SHANOR, L. Morphology of immature stages of *Euzodomyces lathrobbi* Thaxter and the taxonomic position of the genus *Euzodomyces*. *Amer. J. Bot.* 38:555-560. July 1951. 450 Am36
- 81125 CIFERRI, R. Nomenclature of the fungus causing the "spring leaf fall" of the poplar tree. (In Italian.) *Not. sulle Mal. delle Pianta* 14:88. Jan./Feb.1951. 464.8 N84
- English summary, p. 103.
- Endostigma populina*.
- 81126 CLARK, F. E. The generic classification of certain cellulolytic bacteria. *Soil Sci. Soc. Amer. Proc.* 15:180-182. Ref. 1950, pub.1951. 56.9 S03
- 81127 EREZCANO DE MIGOYA, A. E. DE. Levaduras aisladas de ciruelas maduras. *Argentina. Dir. Gen. de Invest. Agr. Rev. de Invest. Agr.* 4:277-295. Ref. July 1950. 9 R329
- 81128 FITZPATRICK, H. M. Notes on *Corynella oreophila* (Speg.) Starb. and closely related species. *Mycologia* 43:437-444. July/Aug.1951. 450 M99
- 81129 GRANITI, A. On some graminiculous fungi of eastern Africa. (In Italian.) *Nuovo Gior. Bot. Ital. (n.s.)* 57:247-256. 1950. 450 N92
- English summary.
- Includes new species in: *Asterolibertia*, *Entyloma* and *Ascochyta*.
- 81130 GUSZTÁV, M. A Kárpát-medencei Úszög-gombák. Les Ustilaginales du Bassin des Carpates. *Budapest. Mezőgazdasági Tud. Központ. Kiadványai* 1:1-256. 1950. 19 B852
- French summary.
- 81131 HIRATSUKA, N. Notes on species of the rust fungi collected in the vicinities of Lake Oze and Oze-Ga-Hara, Nikko National Park. 2. (In Japanese.) *J. Jap. Bot.* 26:111-114. Apr.1951. 450 J8223
- English summary.
- 81132 HONGO, T. Notes on Japanese larger fungi. 2. *J. Jap. Bot.* 26:141-146. May 1951. 450 J8223
- 81133 JIMBO, T. Botanical studies of bog lakes in a volcanic region with special reference to lacustrine bacteria. III-IV. *Tôhoku U. Sci. Rpt. Ser. 4 (Biol.)* 18:351-361, 488-493. Ref. Feb.-Dec.1950. 513 T547Ab

81134 KIŠPATIĆ, J. A contribution to the list of parasitic fungi of Croatia. (In Croatian.) Hrvatsko Prirodoslovno Društvo. Glasnik Biol. Sekcije (ser.2 B): 2/3:44-50. 1948/49, pub. 1950. 510 Z1B
English summary.

81135 KOBAYASI, Y. Notes on fungi. I. On the newly found genus *Massospora* from Japan. (In Japanese.) J. Jap. Bot. 26:117-119. Apr. 1951. 450 J8223
English summary.

Parasitic on *Platypleura kaempferi*.

81136 LOWY, B. New evidence for typification of *Auricularia*. *Mycologia* 43:462-463. July/Aug. 1951. 450 M99

81137 MOREAU, C., and MOREAU, M. *Pyrenomyces* du caféier en Côte d'Ivoire. *Rev. de Mycol. Sup. Colon.* 10:12-80. Ref. Apr. 1, 1951. 450 R327
Includes new species in: *Myiocopron*, *Vizella*, *Massaria*, *Ostropella*, *Balladyna*, *Auerswaldia*, *Entosordaria*, *Gnomiella*, *Eutypella*, and *Eutypa*.

81138 MURRILL, W. A. Species of Florida Basidiomycetes. *Fla. Agr. Expt. Sta. B.* 478, 36 p. June 1951. 100 F66S

81139 NEHIRA, T. A new species of the genus *Aspergillus* [*A. kanagawensis*] isolated in Japan. (In Japanese.) J. Jap. Bot. 26:109-110. Apr. 1951. 450 J8223

81140 PAULL, L. F. Death in the lawn! Green Thumb 8(9):30. Sept. 1951. 80 G82
Amanita.

81141 RUPP, H. M. R. Notes on Australian orchids, with descriptions of three new species. *N. S. Wales Natl. Herb. Contrib.* 1:317-321. Nov. 1950. 451 N47

81142 PEYRONEL, B. Occurrence of a *Ustilaginale* new to Italy: *Ustilago oxalidis* Ellis and Tracy. (In Italian.) *Nuovo Gior. Bot. Ital.* (n.s.) 57:303-304. 1950. 450 N92

English summary.

81143 RAGAB, M. A. The status of the generic names *Mycocacia* and *Oxydonta*. *Mycologia* 43:459-462. July/Aug. 1951. 450 M99

81144 SAVILE, D. B. O. The relationship of *Puccinia praegracilis* and *P. connersii*. *Mycologia* 43:456-458. July/Aug. 1951. 450 M99

81145 SAWADA, K. Fungi inhabiting on conifers in the Tohoku district. I. Fungi on "sugi" (*Cryptomeria japonica* D. Don.). (In Japanese.) Japan. Govt. Forest Expt. Sta. B. 45:27-53. Sept. 1950. 99.8 R47
English summary.

81146 SEAGEARS, C. The lichen. *N. Y. State Conserv.* 6:40. Aug./Sept. 1951. 279.8 N48

81147 SHAW, C. G. New species of the *Peronosporaceae*. *Mycologia* 43:445-455. Ref. July/Aug. 1951. 450 M99

New species in *Perenospora* and *Plasmopara*.

PATHOLOGY

General

81148 ANDES, J. O. Latest disease control measures for tree fruits. *Tenn. State Hort. Soc. Proc.* 45:26-29. 1950. 81 T25

81149 BARNS, F. Weighty problems simplified. *Orchid Digest* 15:167-168. July/Aug. 1951. 80 Or172
Weight tables for spray formulas.

81150 BATISTA, A. C., and GAYÃO, T. DE J. Diseases of rice in Pernambuco. (In Portuguese.) *Pernambuco. Sec. de Agr., Indus. e Com. B.* 17:181-185. July/Dec. 1950. 9.2 P423

81151 BAUMANN, A. Schwarzwildschäden in Württemberg-Baden. *Württemb. Wehnl. f. Landwirt.* 118:568-570. July 14, 1951. 18 W96

81152 BEAUMONT, A. Diseases of bulbous Irises. *Gard. Chron.* 130:73-74. Aug. 25, 1951. 80 G162

81153 BENLLOCH MARTINEZ, M. El Servicio de Comprobación y Registro de Productos Fitoterapéuticos. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:375-378. 1951. 464.9 C167
Spain.

81154 BERAN, F. Spritzkalender für vor- und nachblütenspritzungen. *Pflanzenarzt* 4(spec.no.):2-4. Mar. 1951. 464.9 P482

81155 BERAN, F. Totaler pflanzenschutz. *Pflanzenarzt* 4(spec.no.):1-2,4. Mar. 1951. 464.9 P482

81156 BIKTOR, T. Frostschäden und deren Behandlung. *Obst u. Gart.* 6:51-52. Apr. 1951. 80 Ob75

81157 BOURIQUET, G. Les maladies des plantes et la végétation à Madagascar. *Rev. Internatl. de Bot. Appl. et d'Agr. Trop.* 31:213-226. Ref. Mar./Apr. 1951. 26 R323

81158 BRAUN, H. Untersuchung des gegenwärtigen zustandes der pflanzenschutzgesetzgebung in den verschiedenen ländern und der organisation der obligatorischen und fakultativen, kollektiven und individuellen, bekämpfungsmassnahmen. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:76-94. 1951. 464.9 C767

81159 CALVO SENDINO, B. En pro del cultivo de remolacha azucarera; los tratamientos preventivos en la lucha contra las plagas del campo. *Ceres [Valladolid]* 16(181):18-19. June 1, 1951. 15 C33

81160 CASALINI, M. La coopération dans la lutte contre les maladies des plantes dans les petites exploitations. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:251-253. 1951. 464.9 C767
French summary.

81161 CASALINI, M. La diffusion de l'instruction dans les milieux ruraux pour la défense contre les parasites. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:248-250. 1951. 464.9 C767
French summary.

81162 CAUJOLLE, F. Les perspectives nouvelles de la phytopharmacie. *Soc. d'Hort. et d'Acclim. du Maroc. B.* 36(152):12-13. First Q. 1951. 87 S01

81163 CHILDS, J. F. L., and SUIT, R. F. Symposium of certification of disease-free nursery stock. I-II. *Citrus Indus.* 32(9):6-9, 16. Sept. 1951. 80 C49

81164 CHILE, DEPT. DE SANIDAD VEGETAL. Esquema de la acción del Departamento de Sanidad Vegetal en defensa de la agricultura en Chile. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:396-399. 1951. 464.9 C767

81165 CIFERRI, R. Winter treatments of fruit trees in the experience of the Phytopathological Observatory of Pavia. (In Italian.) *Not. sulle Mal. delle Pianta* 14:27-33. Jan./Feb. 1951. 464.8 N84
English summary, p. 102.

81166 COKER, E. G. A progress report on experiments with rabbit repellents. *East Malling Res. Sta. Annu. Rpt.* 38:87-89. 1950, pub. 1951. 103 Ea7

81167 COMMONWEALTH MYCOLOGICAL INSTITUTE. Distribution maps of plant diseases. 219-226. *Rev. ed. Kew*, 1951. 464.9 Im7

81168 CONFÉRENCE INTERNATIONALE POUR L'EXAMEN DES MOYENS DE LUTTE CONTRE LES PARASITES DES PLANTES. 1, ROME, 1950. *Allocutions, procès-verbal, rapports, communications et résolutions. Rome*, 1951. 452 p. 464.9 C767

81169 DIEHL. Gemeinschaftsarbeit in der schädlingsbekämpfung. *Neue Mitt. f. die Landwirt.* 6:264. Apr. 28, 1951. 18 N39

Insect and disease control in plants.

81170 DOECKE, H. T. Experiences with rabbit control. *So. Austral. Dept. Agr. J.* 54:512. May 1951. 23 So84

81171 DREES. Schwerpunkte im pflanzenschutz. *Gesunde Pflanzen* 3:88-89. May 1951. 464.8 G33

81172 DUMAS, P. Conclusions à la campagne de traitements contre les ennemis du noyer dans la vallée de l'Isère. *Phytoma* 4(26):9-18. May 1951. 464.8 P563

81173 EVANS, S. Fall vegetable diseases. *Crop Comments* 4(10):1-3. Aug. 1951. 57.8 C88

81174 FACY, M. Que faut-il penser de la lutte contre la grêle? *Phytoma* 4(26):19-20. May 1951. 464.8 P563

81175 THE FERNHURST conference. II. *World Crops* 3:335-339. Sept. 1951. 281.8 W892

Subjects included chemical weed control, synthetic organic insecticides, fungicides, and virus diseases.

81176 FLIK, H. M. Potato diseases and quarantine. (In Dutch.) *Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit* 5(26):9, 11. June 29, 1951. 286.28 V22
Netherlands.

81177 FREZAL, P. Note sur une dégénérescence infectieuse de la vigne des sables mostaganémots. *Algeria. Inst. Agr. Ann.* 5(5), 7 p. Oct. 1950. 108 AL35

81178 FRIGERIO, J. C. Enfermedades parasitarias del poroto. *Pampa Argentina* 24(280):26. Apr. 1951. 9 P19

- 81179 GALLWITZ, K. Entwicklungsstand der deutschen pflanzenschutztechnik. Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:297-303. 1951. 464.9 C767
- 81180 GIBAN, J. Note sur l'emploi des appâts empoisonnés dans la lutte contre les rongeurs. Phytoma 4(24):12-14. Mar.1951. 464.8 P563
- 81181 GLEMSER, W. Wühlmaus- oder engerlingsbekämpfung. Obstbau 70:42. Mar.1,1951. 80 Ob73
- 81182 GODANICH, G. Les pratiques agronomiques comme moyens de lutte contre les maladies des plantes. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:315-323. 1951. 464.9 C767
French summary.
- 81183 HARRANGER, J. Un cas de dépérissement: le cerisier à Kirsch dans la Vège. Phytoma 4(25):23-24. Apr.1951. 464.8 P563
- 81184 HOOKER, W. J., and SHERF, A. F. Scab susceptibility and injury of potato tubers by 2, 4, 5-trichlorophenoxyacetates. Amer. Potato J. 28:675-681. Aug. 1951. 75.8 P842
- 81185 HORSFALL, F., JR. Estimation of orchard mouse populations by trapping. (Abs.) Assoc. South. Agr. Workers. Proc. 48:117. 1951. 4 C82
- 81186 JANNONE, G. Considérations sur les moyens les plus aptes pour la défense et la lutte contre les parasites animaux nuisibles aux plantes et aux produits agricoles et sur les plus récentes recherches et acquisitions de caractère scientifique et constatations pratiques dans les méthodes de lutte antiparasitaire et sur les principes pour l'application; lutte par les moyens agronomiques. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:332-336. 1951. 464.9 C767
French summary.
- 81187 JANY, E. Das "baumleben" von ratten unter besonderer berücksichtigung der wanderratte (*Rattus norvegicus*). Z. f. Hyg. Zool. u. Schädlingsbekämpf. 39:103-108. Ref. 1951. 449.8 Z36
Damage to fruit.
- 81188 JEFFERS, W. F., and others. Notes on occurrence of some plant diseases in Maryland during 1950. Plant Dis. Rptr. 35:385-386. Aug.15,1951. 1.9 P69P
C. E. Cox, R. A. Jehle, L. O. Weaver, O. D. Morgan, and J. E. Moore, joint authors.
- 81189 JOHANSSON, E. Investigations concerning the "Bollnäss disease" in Hälsingland and Dalarna in the summer 1950. (In Swedish.) Tidskr. f. Hushålls- och Skogsvårdsstyr. i Gävleborgs Län 26:181-182. 1950. 11 T434
Disease of oats.
- 81190 KAMMERER, E. L. Report on winter injury (winter 1950-51). Morton Arboretum. B. Pop. Inform. 26:17-20. May 1951. 99.9 M84
- 81191 KLEINSCHMIDT, A. Der haussperling (*Passer domesticus* L.) als getreideschädling und seine bekämpfung, insbesondere mit grünelgefärbtem giftweizen. Z. f. Hyg. Zool. u. Schädlingsbekämpf. 39:157-183. Ref. May/June 1951. 449.8 Z36
- 81192 KLEMM, M. Das auftreten der wichtigsten krankheiten und schädlinge der kulturpflanzen im jahre 1949 im bereich der Deutschen Demokratischen Republik. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5(spec. no.):3-28. 1951. 464.9 N11
- 81193 KLOTZ, L. J. Citrus disease investigations. Calif. Citrog. 36:440,466-468. Sept.1951. 80 C125
- 81194 LAPEDAGNE, H. Dépérissement des pêchers; à quoi attribuer la mortalité? Ble et le Vin 28(1170):1. (Cont.) June 1/15,1951. 14 B61
Also in Terre d'Occ 33:248-252. July 1951. 14 Ar5
- 81195 LEPAGE, P. Différenciez et traitez les affections de la vigne. Vie à la Campagne 40:331. Sept. 1951. 80 V67
- 81196 LIBOWITZKY, J. A. Eine degenerationserscheinung bei *Ficus elastica*? Gart.-Z. illus. Flora 74:87-88. Aug.1951. 80 G1991
- 81197 LIEBSTER. Die obstbaumspritzung 1951. Obstbauberatungsring. Mittbl. 6:1-5. Feb.1,1951. 85 Ob72
- 81198 LOEWEL, E. L. Frostschäden oder spritzschäden? Obstbauversring. Mitt. 6:69-70. May 1951. 85 J76
- 81199 MAAG, R., and ZOBRIST, L. La protection antiparasitaire des plantes d'ornement. Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:409-414. 1951. 464.9 C767
- 81200 MACINDOE, R. H. F. Rabbit control by myxomatosis. So. Austral. Dept. Agr. J. 54:431-432. Apr. 1951. 23 So84
- 81201 MAS SOLANES, R. DE. Clorosis de la viña. Cult. Mod. 34:218-219. June 1951. 15 C89
- 81202 MATZ, J. Fragen der resistenzzüchtung bei der kartoffel. Pflanzenarzt 4(8):5-7. (Cont.) Aug.1,1951. 464.9 P482
- 81203 MEITH, H. C. Twig dieback of orange trees in Tulare County. Calif. Citrog. 36:440,464. Sept.1951. 80 C125
Also in Citrus Leaves 31(9):14. Sept.1951. 80 C492
- 81204 MENDIZABAL, M. Application of high frequency to phytopathology. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:415-419. 1951. 464.9 C767
- 81205 MENIS, Y. Good methods of dusting. (In Hebrew.) Hassadeh 31:387-388. May 1951. 26 H27
- 81206 MEZZETTI, A. Some changes in hemp occurring during the last growing season. (In Italian.) Bologna. U. Cent. di Studi per le Ricerche sulla Lavorazione, Colt. ed Econ. della Canapa. Quaderni 11,18 p. June 1951. 73.29 B63
Nematodes and Macrophomina phaseolina.
- 81207 MOREAU, C. Les maladies parasitaires des principales cultures coloniales. VII. Rev. de Mycol. Sup. Colon. 10:87-99. Ref. Apr.1,1951. 450 R327
- 81208 MURNEEK, A. E. Too many bruised apples. Mo. State Hort. Soc. Hort. News, Aug.1951:2-3. 81 M692H
- 81209 NUFTALI, J. Makat 'akbari ha-shedah [Field mouse plague for the years 1949/50, 1948/49]. n.p., Dept. of Agr., Div. Plant Protect., 1950. 12 p. 79 N88
Israel.
- 81210 ORIAN, G. Lightning and the sugarcane. Rev. Agr. de l'Ile Maurice 30:31-32. Jan./Feb.1951. 24 M44
- 81211 PALTI, J., and MINZ, G. Estimation of the incidence and destructiveness of plant diseases. I. Terminology and outline of the technique of visual appraisal. Israel. Res. Council. B. 1:76-97. Mar.1951. 330.9 Is72B
- 81212 PHYTOPATHOLOGISCH LABORATORIUM "WILLIE COMMELIN SCHOLTEN." Verslagen over 1950 [Report for 1950]. Arnhem, 1951. 16 p. 464.9 P56Ve
English summary.
Diseases of elms and other trees.
- 81213 PIVKINA, A. F. In regard to analysis of cabbage seeds for diseases. (In Russian.) Sad i Ogorod 3:68-70. Mar.1951. 80 Sa13
- 81214 PLATE, H. P., and FRÖMMING, E. Untersuchungen über das verhalten von landlungenschnecken gegenüber einigen Liliaceae, Amaryllidaceae und Iridaceae. Z. f. Hyg. Zool. u. Schädlingsbekämpf. 39:145-156. Ref. May/June 1951. 449.8 Z36
- 81215 POUND, G. S., and others. Extent of transmission of certain cabbage pathogens by seed grown in western Washington. Phytopathology 41:820-828. Ref. Sept.1951. 464.8 P56
P. C. Cheo, O. H. Calvert, and R. D. Raabe, joint authors.
- 81216 PRZYGODDA, W. Sperlingsbekämpfung. Landwirt. Z. der Nord-Rheinprov. 118:740-741. Aug.18, 1951. 18 L2344
- 81217 PSCHORN-WALCHER, H. Das auftreten von Douglasienschädlingen im Attergau. Allg. Forstztg. 62:108-109. July 1951. 99.8 AL53
- 81218 PUCCINI, G. An Orobanche parasitic on *Gazania splendens* hort. (In Italian.) Flora [Milano] 3:49-50. Mar.1951. 80 F6634
- 81219 RATH. Besettigt die wirtspflanzen! Gart.-Z. illus. Flora 74:90-91. Aug.1951. 80 G1991
- 81220 REGT, N. A. DE. Disease control in fruit. (In Dutch.) Betuws Tuinbouwl. 9(8):3. July 7,1951. 80 B464
- 81221 REISINGER, E. Grenzen des pflanzenschutzes. Pflanzenarzt 4(8):2-4. Aug.1,1951. 464.9 P482
Austria.
- 81222 RICCHELLO, A. La législation phytosanitaire italienne. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:241-247. 1951. 464.9 C767
French summary.
- 81223 ROSELLA, E. Au vignoble: l'actualité; nouveaux produits et nouvelles méthodes. Réveil Agr. 60:228-229. Aug.1,1951. 14 R322
Sprays for disease control.

81224 RUI, D. Peach pathology: leptonecrosis is spreading. (In Italian.) *Agr. del Polesine* 3:65-66. May 1951. 16 Ag8222

81225 RUI, D., and ROSTIROLLA, G. Symptomatic confirmation and statistics on leptonecrosis of peach. (In Italian.) *Agr. delle Venezie* 5:303-311. June 1951. 16 Ag826

81226 SAMUEL, G. Not proven. *Farmers Wk.* [London] 35(8):57,59. Aug. 24, 1951. 10 F2226

In support of modern methods of plant disease control by the use of chemicals.

81227 SANTOLALLA, N. R. Problemas de investigación fitopatológica que debiera afrontar el Perú, con decisión y entusiasmo. *Mensajero Agr.* 61:37-39. May 1951. 9.8 M52

81228 SARRABAY, J. Gelée sur vigne. *Rev. Agr. de l'Afrique du Nord* 49:351-353. May 11, 1951. 80 R326

81229 SATTAR, A., and HAFIZ, A. A review of the important measures commonly adopted to control plant diseases in Pakistan. *Pakistan J. Sci.* 2:121-129. Ref. Oct. 1950. 475 P172

81230 SCHALLER, H. L. Proteja sus cosechas de los ratones. *Rev. del Café* 7:20-21. July 1951. 8 R3295

Warfarin.
81231 SIAENS, F. Spraying to prevent cracking of cherries. (In Flemish.) *Cult. en Handel* 17:393. July 1951. 80 C892

81232 SIBILIA, C. Constatations sur l'état actuel des attaques cryptogamiques dans les différents pays et sur les méthodes et moyens à adopter pour leur prévention. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:155-172. 1951. 464.9 C767

French summary.

81233 SILVA, V. D. DA. The importation of plants and plant sanitation. (In Portuguese.) *Gaz. do Agr.* 3: 96-97. Apr. 1951. 24 G25

81234 SOENEN, A., and AERTS, R. S. O. S.—nos vergers en danger. *Fruit Belge* 19:97-98. June 1951. 80 F9493

Diseases and pests.

81235 STERTEN, A. K. Wintering problems. (In Norwegian.) *Norsk Landbr.* 17:183-186. May 11, 1951. 11 N8122

Crop injuries and diseases.

81236 STEVENSON, F. V. Internal damage to celery in Florida caused apparently by winds of hurricane force. *Plant Dis. Rptr.* 35:402. Sept. 15, 1951. 1.9 P69P

81237 TILEMANS, E., and HENRIET, J. Étude des possibilités de standardisation des méthodes d'analyse chimique des produits antiparasitaires. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:109-115. 1951. 464.9 C767

81238 TORREIRO, R. Guerra a las plagas agrícolas. *Pampa Argentina* 24(281):18-19. May 1951. 9 P19
Also in *Bolsa de Com. Rosario*. Rev. 39(946):7-9. June 15, 1951. 287 R71

81239 TRENTIN, A. Grain and the frosts. (In Italian.) *Agr. del Polesine* 3:51-52. Apr. 1951. 16 Ag8222

81240 TRINCHIERI, G. How many and what sort of plants are attacked by dodder. (In Italian.) *Colt. e Gior. Vitic. Ital.* 97:211-212. July 31, 1951. 16 C72

81241 TRIVELLI, G. L'unificazione des formalités appliquées a l'homologation des produits antiparasitaires et de leurs substances adjuvantes est-elle possible? *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:99-108. 1951. 464.9 C767

81242 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. DIV. OF FOREST PATHOLOGY. List of available publications. *Rev. Washington*, 1950. 23 p. 1.965 F3L69

81243 URQUIJO LANDALUZE, P. Medios de cooperación para luchar contra las enfermedades de las plantas en las pequeñas explotaciones agrícolas. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:95-98. 1951. 464.9 C767

81244 VERLAAT, J. G. Mist spraying in the orchard. (In Flemish.) *Cult. en Handel* 17:442-444. Aug. 1951. 80 C892

81245 WADDELL, W. H. Breeding disease resistant soft wheats. *Ontario Crop Impr. Assoc. Addresses & Proc.* 13:102-108. 1951. 64.9 S083

81246 WALLACE, G. B. Diseases of French or dwarf beans. *Tanganyika. Dept. Agr. Pam.* 51,11 p. 1951. 24 T15P

81247 WALLACE, M. J. That peculiar potato—what is the matter with it? *Smallholder* 85(2152):7. Aug. 17, 1951. 10 Sml

Identifying potato diseases.

81248 WEBER, A. Summer spraying in the orchard. (In Danish.) *Husmandshjemmet* 21:7. May 22, 1951. 11 H963

81249 WEBER, G. F., and OWEN, J. H. Watermelon diseases in the Gainesville area of Florida for the 1951 season. *Plant Dis. Rptr.* 35:355. Aug. 15, 1951. 1.9 P69P

81250 WELLS, J. C., and HERBERT, T. T. Small grain diseases. *N. C. Agr. Col. Ext. C.* 347,31 p. Apr. 1951. 275.29 N811

81251 WENZL, H. Die erkennung der staudenkrankheiten der kartoffel. *Pflanzenarzt* 4(8):1-2. Aug. 1, 1951. 464.9 P482

Austria.

81252 WILLAUME, F., and FURET, R. La defense des cultures en France. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:254-263. 1951. 464.9 C767

Diseases Caused by Fungi

81253 ALLISON, J. L. Rhizoctonia blight of forage legumes and grasses. *Plant Dis. Rptr.* 35:372-373. Ref. Aug. 15, 1951. 1.9 P69P

81254 ANDRADE, A. C. The rust [*Puccinia psidii*] of guava and its control. (In Portuguese.) *Biológico* 17:103-108. June 1951. 442.8 B529

81255 ANDRÉN, F. The seed treatment has been very beneficial to the grain crops. (In Swedish.) *Lantmannen* 35:631-632. Aug. 18, 1951. 11 L234

81256 ANDRÉN, F. Spraying experiments against late blight of potatoes in 1950. (In Swedish.) *Sweden. Stat. Växtskyddsanst. Växtskyddsnot.* 2/3:33-36. May/June 1951. 464.9 Sw3V

81257 AOSHIMA, K. Wood-rotting *Poria* from Japan. I. (In Japanese.) *Japan. Forest Expt. Sta. B.* 46:155-168. Ref. Dec. 1950. 99.9 J276

English summary.

81258 ARMSTRONG, G. M. *Phytophthora cactorum* on cowpeas in South Carolina. *Plant Dis. Rptr.* 35:418. Sept. 15, 1951. 1.9 P69P

81259 BAILEY, F. V. Observations on varietal resistance to *Chrysanthemum* rust [*Puccinia chrysanthemi*]. *Roy. Hort. Soc. J.* 76:322-328. Sept. 1951. 84 L84J

81260 BALDACCI, E. Report of the observatories for mildew control in the Oltrepo Pavese during 1950. (In Italian.) *Not. sulle Mal. delle Pianta* 14:47-51. Jan./Feb. 1951. 464.8 N84

English summary, p. 102.

On grapes.

81261 BASANTA, E. A. La sarna de las frutas cítricas [*Pleospora hesperidearum*]. *Pampa Argentina* 24(280):11. Apr. 1951. 9 P19

81262 BATISTA, A. C., and SILVA, J. N. DA. A new rose disease caused by *Stagonospora rosarum* n. sp. (In Portuguese.) *Pernambuco. Sec. de Agr., Indus. e Com. B.* 17:220-223. Ref. July/Dec. 1950. 9.2 P423

English summary.

81263 BAXTER, J. W. The occurrence of rust on peppermint in western Ontario. *Plant Dis. Rptr.* 35:418. Sept. 15, 1951. 1.9 P69P

81264 BECKER. Denkt an die krautfäulebekämpfung! *Landwrt. Z. der Nord-Rheinprov.* 118:527. June 16, 1951. 18 L2344

Potatoes.

81265 BERNON, G. Un des aspects du mildiou en août 1951. *Prog. Agr. et Vitic.* 136:113-115. Aug. 19/26, 1951. 14 P94

81266 BONCOMPAGNI, T., SCOTTI, T., and LORENZINI, T. Experiments on control of *Synchytrium endobioticum* using resistant varieties of potatoes. (In Italian.) *Not. sulle Mal. delle Pianta* 14:64-87. Jan./Feb. 1951. 464.8 N84

English summary, p. 103.

81267 BROWN, J. G., and ALLEN, R. M. Cotton seeds can carry *Verticillium*-wilt fungus. *Ariz. Agr. Col. Ext. C.* 182,4 p. Feb. 1951. 275.29 Ar42

81268 BROWN, J. G. Two diseases of cotton. *Ariz. Farmer* 30(16):34-35. Aug. 4, 1951. 6 Ar44

Rhizoctonia solani and *Sclerotium rolfsii*.

81269 BURKHOLDER, C. L., and SHARVELLE, E. G. Peach brown-rot control in orchard, storage and transit. *Purdue U. Agr. Ext. B.* 364,16 p. 1951. 275.29 In2E

- 81270 CANTER, H. M., and LUND, J. W. G. Studies on plankton parasites. III. Ann. Bot. (n.s.) 15:359-371. Ref. July 1951. 450 An7
- 81271 CASTRONOVO, A. Fuentes de resistencia a "Phytophthora infestans." Argentina. Dir. Gen. de Invest. Agr. Rev. de Invest. Agr. 4:245-275. Ref. July 1950. 9 R329
Potato breeding material.
- 81272 CELINO, M. S. The occurrence of pokkah-boeng disease of sugar cane in San Carlos, Negros Occidental. Soil Sci. Soc. Philippines. J. 3:108-111. Second Q. 1951. 56.9 So35
- 81273 CHEVAUGEON, J. Une fusariose du piment en Côte d'Ivoire. Rev. de Mycol. Sup. Colon. 10:81-86. Apr. 1, 1951. 450 R327
- 81274 CICCARONE, A. Étude des moyens les mieux adaptés à la défense et à la lutte contre les infections cryptogamiques; recherches et découvertes scientifiques vérifiées les plus récentes sur les méthodes de lutte antiparasitaire et leur application pratique. Etude des moyens génétiques. (In Italian.) Conf. Internat. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:310-314. 1951. 464.9 C767
French summary.
- 81275 CICCARONE, A., and MIDDLETON, J. T. Two species of *Pythium* recorded from Venezuela. Plant Dis. Rptr. 35:387. Aug. 15, 1951. 1.9 P69P
- 81276 COCHRAN, H. L. Paradichlorobenzene for the control of blue mold (downy mildew) in pimiento plant beds. South. Canner & Packer 12(8):11-13, 20. Aug. 20, 1951. 389.8 So82
Also in Canner 113(8):13-15. Aug. 25, 1951. 286.83 C16
- 81277 COLE, J. R. Control of tar spot [*Phacidium curtisii*] of holly (*Ilex*) by spraying in South Georgia. Plant Dis. Rptr. 35:408-410. Sept. 15, 1951. 1.9 P69P
- 81278 COX, R. S. A preliminary report on etiological and control studies of damping-off and root-rot in the conifer seedbed in Delaware. Plant Dis. Rptr. 35:374-378. Aug. 15, 1951. 1.9 P69P
- 81279 COX, R. S., and HYRE, R. A. Overwintering of *Phytophthora phaseoli* on infected lima bean pods in the soil. Plant Dis. Rptr. 35:354. Aug. 15, 1951. 1.9 P69P
- 81280 CRANDALL, B. S., and ABREGO, L. Gomosis de los citrus. Cent. Nac. de Agron. C. Agr. 45.6 p. July 1951. 8 Sa54C
- 81281 DIMOCK, A. W. Bud transmission of *Verticillium* in roses. Phytopathology 41:781-784. Sept. 1951. 464.8 P56
- 81282 DRIVER, C. H. A *Phyllosticta* leaf-spot on Burford holly in Georgia. Plant Dis. Rptr. 35:412. Sept. 15, 1951. 1.9 P69P
- 81283 DROUILLON, R. La maladie des taches brunes [*Cercospora*] de l'arachide. Rev. de Mycol. Sup. Colon. 10:1-11. Ref. Apr. 1, 1951. 450 R327
- 81284 DUNEGAN, J. C. Control of scab fungus on the Delicious apple. Va. Fruit 39(8):10, 12, 14. Aug. 1951. 81 V81B
- 81285 DURAN-GASSELIN, L. Les soufres mouillables, finesse et dose d'emploi. Rev. Agr. de l'Afrique du Nord 49:373. May 18, 1951. 80 R326
On vineyards.
- 81286 DU TOIT, J. J. *Pleospora herbarum* (Pers.) Rabh. (konidiese stadium *Stemphylium botryosum* Wallr.) op patats. [*Pleospora herbarum* (Pers.) Rabh. (conidial stage of *Stemphylium botryosum* Wallr.) on sweet potatoes.] Union So. Africa. Dept. van Landb. Wetensk. Pam. 301.47 p. Ref. 1951. 24 So84Sd
- 81287 FISCHER, G. W. Induced hybridization in graminicolous smut fungi. I. *Ustilago hordei* X *U. bullata*. Phytopathology 41:839-853. Ref. Sept. 1951. 464.8 P56
- 81288 FISCHER, H. Die Monilia-krankheit an obstbäumen. Schweiz. Z. f. Obst- u. Weinbau 60:296-298. Aug. 11, 1951. 80 Sch9
- 81289 FOLSOM, D., WYMAN, O. L., and WESTIN, E. Potato *Verticillium* wilt. Maine. Agr. Col. Ext. C. 265, 5 p.-folder. Feb. 1951. 275.29 M281C
- 81290 FREAR, D. E. H., and KIRBY, R. S. Preventing decomposition in sprays containing dithiocarbamates with copper. Plant Dis. Rptr. 35:411. Sept. 15, 1951. 1.9 P69P
Addition of skimmed milk powder.
- 81291 FREZAL, P. L'acarose pédonculaire des fruits d'agrumes. Rev. Agr. de l'Afrique du Nord 49:236-238. Mar. 30, 1951. 80 R326
Caused by two fungi: *Colletotrichum gloeosporoides* and *Cladosporium*.
- 81292 FREZAL, P. Résultats d'essais de lutte contre la carie des blés. Soc. des Agr. d'Algérie. B. 95:158-170. 1950/51. 24 So1
- 81293 FRIGERIO, J. C. El cornezuelo del centeno [*Claviceps purpurea*]. Pampa Argentina 24(281):11. May 1951. 9 P19
- 81294 GASSNER, G. Die neuzeitliche entwicklung der fungiziden pflanzenschutzmittel. Conf. Internat. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:143-154. 1951. 464.9 C767
- 81295 GENTILE, A. C. A study of the toxin produced by an isolate of *Botrytis cinerea* from *Exochorda*. Phytol. Plant. 4:370-386. Ref. 1951. 450 P564
- 81296 GHILLINI, C. A. Bark necrosis of a plant of *Styrax officinalis*. (In Italian.) Not. sulle Mal. delle Pianta 14:7-11. Jan./Feb. 1951. 464.8 N84
English summary, p. 101.
Caused by *Nectria cinnabarina*.
- 81297 GILL, L. S., LEAPHART, C. D., and ANDREWS, S. R. Preliminary results of inoculations with a species of *Leptographium* on western white pine. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Forest Path. Spec. Release 35.14 p. June 1951. 1.965 F3F76
- 81298 GOVI, G. Wrinkled canker on pear tree caused by *Phomopsis mali* Rob. (In Italian.) Ann. della Sper. Agr. (n.s.) 5:791-803. Ref. 1951. 16 An76
English summary.
- 81299 GUINIER, P. A propos de plantations de peupliers. Forêts de France 32:2. June/July 1951. 99.9 F315
Question of damage from *Polyporus*.
- 81300 HAFIZ, A. Physiologic specialization in *Urocystis tritici* Körn. Phytopathology 41:809-812. Sept. 1951. 464.8 P56
- 81301 HALLEMANS, A. A couple of enemies of ornamental plants. (In Flemish.) Cult. en Handel 17:400. July 1951. 80 C892
Diplocarpon rosae and *Stephanitis rhododendri*.
- 81302 HANSBROUGH, J. R., and JONES, T. W. Oak wilt [*Chalara quercina*]. Conn. Arborist 5:3-6. Apr. 1951. 99.9 C7633
- 81303 HARRIS, M. R. Apple-scab. West. Fruit Grower 5(8):25-26. Aug. 1951. 95.8 G762
- 81304 HASHIOKA, Y. Studies on the mechanism of prevalence of the rice blast disease [*Piricularia oryzae*] in the Tropics. Formosa. Govt. Agr. Res. Inst. Tech. B. 8, 237 p. Ref. 1950. 22.5 F764T
- 81305 HENNIG, R. Das Douglasienholz und seine feinde. Holz-Zentbl. 77:694-695. May 8, 1951. 99.81 H742
Chiefly fungi.
- 81306 HENRY, B. W. Oak leaf blister [*Taphrina caerulescens*] severe in south Mississippi. Plant Dis. Rptr. 35:384. Aug. 15, 1951. 1.9 P69P
- 81307 HEPTING, G. H. Leaf blister of oak controlled by spraying. Arborist's News 16:53-55. June 1951. 99.8 Ar14
Taphrina caerulescens.
- 81308 HEY, A. Über die schorfresistenz der in der DDR zugelassenen kartoffelsorten. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:86-91. Ref. May 1951. 464.9 N11
Germany, Russian Zone.
- 81309 HINSELMANN, M. Beobachtung der entwicklung der sporenbehälter (perithezien) im alten apfelblatt und das ausschleudern der wintersporen des *Fusikladium*-pilzes. Obstbauversring. Mitt. 6:66-69. May 1951. 85 J76
- 81310 HIRSCHHORN, E. Caracteres del ciclo evolutivo del carbon de la caña de azúcar (*Ustilago scitaminea*). Argentina. Dir. Gen. de Invest. Agr. Rev. de Invest. Agr. 4:317-324. Ref. July 1950. 9 R329
- 81311 HOPF, M. Untersuchung an kartoffelknollen über eine beeinflussung ihrer *Phytophthora infestans*-resistenz durch insektizide. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:74-75. Apr. 1951. 464.9 N11
- 81312 HUDALT, E. Le mildiou des Solanées. Chambre d'Agr. de Casablanca. B. 22(244):3-5. Aug. 1951. 24 C26
Caused by *Phytophthora infestans*.
- 81313 ITO, K. Contributions to the diseases of poplars in Japan. I. Shoot blight of poplars caused by a new species of *Pestalotia*. Japan. Govt. Forest Expt. Sta. B. 45:135-146. Ref. Sept. 1950. 99.8 R47
- 81314 ITO, K., and HOSAKA, Y. Notes on some leaf-spot diseases of broadleaved trees. I. *Cercospora* leaf-spot of plane trees. Japan. Forest Expt. Sta. B. 46:17-36. Ref. Dec. 1950. 99.9 J276

- 81315 JEHLE, R. A., and JENKINS, A. E. Two instances of wild violets recently infected by *Sphaceloma violae*. *Plant Dis. Rptr.* 35:414. Sept.15,1951. 1.9 P69P
- 81316 JENKINS, A. E., and JEHLE, R. A. An anthracnose [*Marssonina thomasi*] of bittersweet [*Celastrus scandens*] in Maryland. *Plant Dis. Rptr.* 35:413-414. Sept.15,1951. 1.9 P69P
- 81317 JENKINS, A. E., and WATSON, A. J. Interceptions of *Sphaceloma punicea* from foreign sources. *Plant Dis. Rptr.* 35:415-416. Sept.15,1951. 1.9 P69P
- 81318 JOSSERAND, M. Le *Phaeocryptus gaeumannii* (*Adelopus balsamicola*) constitue-t-il une menace sérieuse pour le sapin de Douglas? *Soc. Forest. de Franche-Comté et des Prov. de l'Est. B. Trimes.* 25: 744-745. Mar.1951. 99.9 Sol4
- 81319 KIRBY, A. H. M., and FRICK, E. L. The fungistatic activity of certain organophosphorus insecticides. *East Malling Res. Sta. Annu. Rpt.* 38:172-176. 1950, pub. 1951. 103 Ea7
- 81320 KISPATIC, J. An *Alternaria* disease of Zinnia. (In Croatian.) *Hrvatsko Prirodoslovno Društvo. Glasnik Biol. Sekcije (ser.2 B):2/3:29-38.* Ref. 1948/49, pub. 1950. 510 Z1B
- English summary.
- 81321 KOTTE, W. Unser wissen von der Monilla-krankheit der obstbäume. *Gesunde Pflanzen* 3:165-170. Aug.1951. 464.8 G33
- 81322 LAFON, J. Le mildiou dans les Charentes en 1951. *Vrai Cognac* 40:474-475. Aug.1951. 95.8 V95
- 81323 LANCASTER, F. R., and RUMPH, A. F. Oak wilt in western Pennsylvania. *Plant Dis. Rptr.* 35:383. Aug.15,1951. 1.9 P69P
- 81324 LEOTORGUIZ, M. La costra o moho de la papa. *Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr.* 41(191):18. Jan./Mar.1951. 8 R323
- Actinomyces.
- 81325 LHOSTE, J., and RAVAUULT, L. Sur l'infection des blés par les spores de *Tilletia caries* incorporées au sol. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1: 404-408. 1951. 464.9 C767
- 81326 LIHNELL, D. Investigations of the resistance of potato vines to late blight. (In Swedish.) *Sweden. Stat. Växtskyddsanst. Växtskyddsnot.* 2/3:29-33. May/June 1951. 464.9 Sw3V
- 81327 MCCLURE, T. T., and CATION, D. Comparison of actidione with some other spray chemicals for control of cherry leaf spot in Michigan. *Plant Dis. Rptr.* 35:393-395. Sept.15,1951. 1.9 P69P
- 81328 MCKEEN, W. E. An exceptionally early outbreak of corn rust [*Puccinia sorghi*] in Canada. *Plant Dis. Rptr.* 35:367. Aug.15,1951. 1.9 P69P
- 81329 MAGEE, C. J. Contributions of agricultural research in fungicides and weedicides. *Austral. Inst. Agr. Sci. J.* 17:96-98. June 1951. 23 Au74
- 81330 MAGIE, R. O. Stunt, wilt equal corm rot in *Gladiolus Fusarium*. *Florists' Exch.* 117(4):8,41. July 28,1951. 80 F666
- 81331 MILTON, R. H. USDA-Tennessee Burley 1. *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 66(9):19. Sept.1951. 6 P945K
- A root rot resistant tobacco variety.
- 81332 NEAL, D. C., and NEWSOM, L. D. Soreshin [*Rhizoctonia solani*] of cotton and its relationship to thrips [*Frankliniella fusca*] damage. *Phytopathology* 41: 854. Sept.1951. 464.8 P56
- 81333 NEW JERSEY DEPT. OF AGRICULTURE DIV. OF PLANT INDUSTRY. Report of summer 1950 Dutch elm disease control survey. *Shade Tree* 24(7):2-5. July 1951. 99.8 Sh1
- 81334 NICOLAS, G. Le charbon du maïs. *Rev. Internatl. de Bot. Appl. et d'Agr. Trop.* 31:173-184. Ref. Mar./Apr.1951. 26 R323
- 81335 NIELSEN, O. Dänische erkenntnisse in der getreidebeizung nach 18jährigen feldversuchen. *Höfchen-Briefe f. Wiss. u. Praxis* 4:19-21. 1951. 464.8 H67
- 81336 NUSBAUM, C. J. The distribution of tobacco black shank in North Carolina in 1949 and 1950. *Plant Dis. Rptr.* 35:358-360. Aug.15,1951. 1.9 P69P
- 81337 PARRIS, G. K. Downy mildew resistant strains of watermelon from the Dominican Republic, West Indies. *Plant Dis. Rptr.* 35:399-401. Sept.15,1951. 1.9 P69P
- 81338 PRATOLONGO, U. La détermination et le contrôle de l'action toxique des préparations anticryptogamiques. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:270-275. 1951. 464.9 C767
- French summary.
- 81339 RADEMACHER, B. Was wissen wir von der blattfleckenkrankheit der rübe (*Cercospora beticola* Sacc.). *Neue Mitt. f. die Landwirt.* 6:418-419. (Concl.) June 23, 1951. 18 N39
- 81340 REICHERT, I., and CHORIN, M. A rust disease of Aleppo pines in Israel. (In Hebrew.) *Jewish Agency Palestine. Agr. Res. Sta. Ktavim* 1:189-197. Ref. Dec. 1950. 107 J552
- Abridged English translation, p. 43.
- Peridermium.
- 81341 RIEUF, P. Le dessèchement de l'extrémité pistillaire de la tomate et du piment. *Chambre d'Agr. de Casablanca. B.* 22(244):7-9. Aug.1951. 24 C26
- 81342 RIEUF, P. Le "mildiou des agrumes" gommose parasitaire des arbres, pourriture brune des fruits. *Terre Marocaine* 25:222-223. July 1951. 24 T44
- Phytophthora.
- 81343 RING, R. Vergeudete produktionskräfte. *Forst u. Holz.* 6:173-175. June 15,1951. 99.8 F7724
- Fungus diseases of trees in Germany.
- 81344 ROSELLA, E. Cette bonne vieille bouillie bordelaise. *Réveil Agr.* 60:180-181. June 15,1951. 14 R322
- 81345 ROSEN, H. R., and MURPHY, H. C. Race 55 or 101 of crown rust [*Puccinia coronata*] of oats which attacks Victoria and Bond derivatives. *Plant Dis. Rptr.* 35:370-371. Aug.15,1951. 1.9 P69P
- 81346 ROTH, E. R. The viability of spores and mycelium of *Endoconidiophora virescens* on sugar maple lumber. *Plant Dis. Rptr.* 35:379-381. Aug.15,1951. 1.9 P69P
- 81347 ROUVEROUX, P. À propos des sulfatages. *Rev. Agr. de l'Afrique du Nord* 49:206-208. Mar.16,1951. 80 R326
- Copper sulphate treatments for vineyards.
- 81348 RUI, D. Yesterday we said-- (In Italian.) *Agr. del Polesine* 3:81-82. June 1951. Ag8222
- Copper fungicides.
- 81349 SAWADA, K. Fungi inhabiting on conifers in the Tohoku District. I-II. (In Japanese.) *Japan. Forest Expt. Sta. B.* 45:27-53;46:111-154. Sept.-Dec.1950. 99.9 J276
- Latin diagnoses of species of fungi.
- 81350 SERVAZZI, O. An *Entyloma* (n. sp.?) on *Eryngium alpinum* L. (In Italian.) *Nuovo Gior. Bot. Ital.* (n.s.)57:306-308. 1950. 450 N92
- English summary.
- 81351 SHARVELLE, E. G. Black-knot of plums and its control. *Purdue U. Agr. Ext. L.* 291, rev., 7 p. 1951. 275.29 In2L
- 81352 SHARVELLE, E. G. Peach leaf curl and its control. *Purdue U. Agr. Ext. L.* 306, rev., 7 p. 1951. 275.29 In2L
- Taphrina deformans.
- 81353 SHARVELLE, E. G. Strawberry leaf spot and its control. *Purdue U. Agr. Ext. L.* 334, 4 p. 1951. 275.29 In2L
- 81354 SIBILLA, C. Constatations sur l'état actuel des attaques cryptogamiques en Italie et sur les systèmes et les moyens à adopter pour leur prévention. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:324-331. 1951. 464.9 C767
- French summary.
- 81355 SMITH, C. B. The nutrient-element balance of the tomato and its susceptibility to *Phytophthora infestans* as affected by two levels of zinc. *Pa. State Col. Abs. Doct. Diss.* 13:337-340. 1951. 241.8 P38
- 81356 SMITH, W. P. C. Vegetable seed treatments. *West. Austral. Dept. Agr. J.* (ser.2)28:26-31. Mar.1951. 23 W52J
- 81357 SPIT, J. M., and JONGE, C. DE. Control of scab (*Venturia inaequalis*). (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 14:151-156. Mar.1951. 86 N384
- English summary.
- On apples.
- 81358 STANTON, W. R. Fungi build resistance. *Grower [London]* 36:414-415. Sept.1,1951. 286.83 M34
- 81359 STODDARD, E. M. Control of strawberry red stele [*Phytophthora fragariae*] by chemotherapy. *Phytopathology* 41:858. Sept.1951. 464.8 P56
- 81360 STRONG, F. C. Oak wilt [*Chalara quercina*] found in Michigan. *Plant Dis. Rptr.* 35:383. Aug.15,1951. 1.9 P69P
- 81361 SUSSMAN, A. S. Studies of an insect mycosis. II. Host and pathogen ranges. *Mycologia* 43:423-429. Ref. July/Aug.1951. 450 M99
- Aspergillus spp.

- 81362 SWINGLE, R. U. Dutch elm disease and control methods. *Arborist's News* 16:56-58. June 1951. 99.8 Ar14
- 81363 SYRACUSE UNIVERSITY. DEPT. OF PLANT SCIENCES. DIV. OF BACTERIOLOGY. Physiology of the wood-rotting fungi; semi-annual progress report, 5, January-June 1951. Syracuse, 1951. 23 p. 462.8 Sy8
M. W. Jennison, principal investigator.
- 81364 TANAKA, S., and NAKAMURA, S. Studies on the causal fungus [*Diaporthe citri*] of citrus melanose in Japan. (In Japanese.) *Hort. Assoc. Japan. J.* 19:177-184. Ref. Dec. 1950. 87 H78
English summary.
- 81365 THIRUMALACHAR, M. J., and WHITEHEAD, M. D. An undescribed species of *Physoderma* [P. aescynomensis] on *Aeschynomene indica*. *Mycologia* 43:430-436. July/Aug. 1951. 450 M99
- 81366 TOWNSEND, G. R. Control of the leaf blight [*Helminthosporium turcicum*] and rust [*Puccinia sorghi*] diseases of sweet corn. *Plant Dis. Rptr.* 35:368-369. Aug. 15, 1951. 1.9 P69P
- 81367 TRUE, R. P., CRAIG, F. W., and BARNETT, H. L. Oak wilt [*Chalara Quercina*] found in West Virginia. *Plant Dis. Rptr.* 35:382. Aug. 15, 1951. 1.9 P69P
- 81368 TVEITO, S. Grey Monilia. (In Norwegian.) *Landbruks Tidende* 57:368. May 9, 1951. 11 L236
Control of grey Monilia on fruit.
- 81369 URQUIJO LANDALUZE, P. Innovaciones y posibilidades en la lucha contra la enfermedad de la "tinta del castaño" [*Phytophthora cinnamomi*]. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:439-442. 1951. 464.9 C767
- 81370 VACCHERI, G. Control of downy mildew. (In Italian.) *Campagna* 50:90-91. June 1, 1951. 16 C152
On grapes.
- 81371 VALLEGA, J. Características de la raza fisiológica 45 de "Puccinia coronata avenae" aislada en la Argentina. *Argentina. Dir. Gen. de Invest. Agr. Rev. de Invest. Agr.* 4:337-340. Ref. July 1950. 9 R329
- 81372 VIDALI, A., and CIFERRI, R. Experiences for the control of tobacco powdery mildew (*Erysiphe cichoracearum*) with thiosulfates and lithium salts. (In Italian.) *Not. sulle Mal. delle Pianta* 14:33-44. Ref. Jan./Feb. 1951. 464.8 N84
English summary, p. 102.
- 81373 VOGT, E. Die Stengelbrennerkrankheit der Serradella; wege zu ihrer bekämpfung. *Hannoversche Land- u. Forstwirtschaft. Ztg.* 104:343. Apr. 14, 1951. 18 H194
- 81374 WALTER, J. M. Nabam in tank-mixed fungicide. *Fla. Grower* 59(9):22. Sept. 1951. 80 F6622
Synergistic action.
- 81375 WATSON, A. J., and JENKINS, A. E. Interceptions of foreign *Sphaceloma perseae* of particular significance. *Plant Dis. Rptr.* 35:416-417. Sept. 15, 1951. 1.9 P69P
- 81376 WEIHING, J. L. Control of common blight and rust in field beans. *Nebr. Agr. Col. Ext. C.* 1813, 8 p. June 1951. 275.29 N272Ex
- 81377 WENZL, H., CREUZBURG, U., and HANS-PETER, A. Ergebnisse von apfelschorfversuchen 1948-1950. *Pflanzenschutzberichte* 7:16-22. July 1951. 464.9 P48
- 81378 WILHELM. Höhepunkt der rebschädling-bekämpfung! *Bauern-Ztg.* 4(25):6. June 22, 1951. 18 B324
Downy and powdery mildew.
- 81379 WILLIAMS, F. H. Pest destroyers; brands registered for 1951. *Victoria. Dept. Agr. J.* 49:248, 280-295. June 1951. 23 V66J
Fungicides, insecticides, vermin destroyers and weed killers.
- 81380 WILLIAMS, W. H. S. Sulphur, then mercury. *Grower [London]* 36:415-416. Sept. 1, 1951. 286.83 M34
Spraying of fruit trees.
- 81381 YARWOOD, C. E. Hop cankers. *Plant Dis. Rptr.* 35:361-363. Aug. 15, 1951. 1.9 P69P
- 81382 YERKES, W. D., JR., SHAW, C. G., and FISCHER, G. W. Spinach smut, *Entyloma ellisi* Halsted, a new record for Washington State. *Phytopathology* 41:854-856. Sept. 1951. 464.8 P56
- 81383 ZACHOS, D. G. Les premiers tatonnements faits en Grèce concernant la lutte rationnelle contre le mildiou [*Plasmopara viticola*] de la vigne. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:447-448. 1951. 464.9 C767
- 81384 ZAMBETTAKIS, C. *Diplodia natalensis* Pole Evans. Stem-end rot des agrumes. *Fiches de Phytopath. Trop.* 4, 7 p. Ref. *In Rev. de Mycol. Sup. Colon.* 10. Apr. 1, 1951. 450 R327
- Diseases Caused by Bacteria**
- 81385 BRINK, G., and ENDE, G. V. D. Verslag van het onderzoek naar de populiërenkanker in 1948 en 1949 [Report on the investigation of canker of poplar [*Populus*] in 1948 and 1949]. *Nederland. Heldemaatsch. Meded.* 13, 15 p. 1951. 12 N282M
English summary.
- 81386 BRINKERHOFF, L. A., and GREEN, J. M. Occurrence of bacterial blight resistant plants in 20 varieties of cotton. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:162-163. 1951. 4 C82
- 81387 BROWN, J. G., and BOYLE, A. M. Bacterial heart-rot of celery. *Ariz. Agr. Col. Ext. C.* 181, 4 p. Feb. 1951. 275.29 Ar42
- 81388 ELAZARI-VOLCANI, Z. A comparative study of the pathogenicity of two isolates of *Pseudomonas syringae*. (In Hebrew.) *Jewish Agency Palestine. Agr. Res. Sta. Ktavim* 1:211-231. Dec. 1950. 107 J552
Abridged English translation, p. 49-50.
- 81389 FEDER, W. A., and ARK, P. A. Wilt-inducing polysaccharides derived from crown-gall, bean-blight, and soft-rot bacteria. *Phytopathology* 41:804-808. Ref. Sept. 1951. 464.8 P56
- 81390 GARRARD, E. H. Bacterial diseases of plants. *Ontario. Dept. Agr. B.* 478, 69 p. Jan. 1951. 101 On8B
- 81391 MAI, W. F., LEAR, B., and BOOTHROYD, C. W. Ineffectiveness of methyl bromide for killing the causal organisms of ring rot and seed piece decay of potatoes. *Plant Dis. Rptr.* 35:356-357. Aug. 15, 1951. 1.9 P69P
Corynebacterium sepedonicum and *Fusarium sambucinum*.
- 81392 NICOLINI, J. C. Tuberculosis del olivo. *Pampa Argentina* 24(282):14. June 1951. 9 P19
Pseudomonas savastanoi.
- 81393 ROBBINS, W. J., and HERVEY, A. Contaminating bacteria in plant tumor tissues. *Science* 114:322-323. Sept. 28, 1951. 470 Sci2
- 81394 SHEPHERD, C. J. Wildfire: local research progress. *Rhodesian Farmer* 5(2):19. June 13, 1951. 24 R347
Wildfire of tobacco.
- 81395 WARREN, J. R. The use of radioisotopes in determining the distribution of *Bacterium Stewartii* Erw. Smith within corn plants. *Phytopathology* 41:794-800. Ref. Sept. 1951. 464.8 P56
- Viruses and Virus Diseases**
- 81396 ANDERSON, C. W. Further observations on some cucurbit viruses from central Florida. *Plant Dis. Rptr.* 35:396-398. Sept. 15, 1951. 1.9 P69P
- 81397 BERKELEY, G. H., and others. Necrotic ring spot. *U. S. D. A. Agr. Handb.* 10:164-170. Apr. 1951. 1 Ag84Ah
D. Cation, E. M. Hildebrand, G. W. Keitt, and J. D. Moore, joint authors.
In sour cherry.
- 81398 BJØRNSTAD, A. Preliminary survey of yield tests with virus free and virus X infected potatoes. (In Norwegian.) *Norsk Landbr.* 17:190-193. Ref. May 11, 1951. 11 N8122
- 81399 BLODGETT, E. C., and RICHARDS, B. L. Italian prune leaf spot. *U. S. D. A. Agr. Handb.* 10:210-211. Apr. 1951. 1 Ag84Ah
- 81400 BLODGETT, E. C. Italian prune sparse leaf. *U. S. D. A. Agr. Handb.* 10:212. Apr. 1951. 1 Ag84Ah
- 81401 BLODGETT, E. C., and REEVES, E. L. Peach calico. *U. S. D. A. Agr. Handb.* 10:90-92. Apr. 1951. 1 Ag84Ah
- 81402 BLODGETT, E. C. Peach mottle. *U. S. D. A. Agr. Handb.* 10:59-62. Apr. 1951. 1 Ag84Ah
- 81403 BLODGETT, E. C. Peach variegation. *U. S. D. A. Agr. Handb.* 10:213-214. Apr. 1951. 1 Ag84Ah
- 81404 BLODGETT, E. C., and others. Wart. *U. S. D. A. Agr. Handb.* 10:56-58. Apr. 1951. 1 Ag84Ah
J. A. Milbrath, E. L. Reeves, and S. M. Zeller, joint authors.
On peaches.
- 81405 BODINE, E. W., and DURRELL, L. W. Golden-net. *U. S. D. A. Agr. Handb.* 10:88-89. Apr. 1951. 1 Ag84Ah
On peaches.

- 81406 BODINE, E. W., BLODGETT, E. C., and LOTT, T. B. Rasp leaf. U. S. D. A. Agr. Handb. 10:132-134. Apr.1951. 1 Ag84Ah
In sweet cherry.
- 81407 BODINE, E. W., and REEVES, E. L. Ring pox of apricot. U. S. D. A. Agr. Handb. 10:187-188. Apr.1951. 1 Ag84Ah
- 81408 BRIERLEY, P. Value of index plants for detecting Dahlia viruses. Plant Dis. Rptr. 35:405-407. Sept.15,1951. 1.9 P69P
- 81409 CATION, D., and others. Line pattern. U.S.D. A. Agr. Handb. 10:177-182. Apr.1951. 1 Ag84Ah
G. H. Berkeley, J. A. Milbrath, R. S. Willison, and S. M. Zeller, joint authors.
On plums.
- 81410 CATION, D. Peach necrotic leaf spot. U. S. D. A. Agr. Handb. 10:81-83. Apr.1951. 1 Ag84Ah
- 81411 CATION, D., and BENNETT, C. W. Red suture. U. S. D. A. Agr. Handb. 10:11-13. Apr.1951. 1 Ag84Ah
On peaches.
- 81412 CATION, D. Rosette mosaic. U. S. D. A. Agr. Handb. 10:14-16. Apr.1951. 1 Ag84Ah
On peaches.
- 81413 COCHRAN, L. C., and SMITH, C. O. Asteroid spot. U. S. D. A. Agr. Handb. 10:84-87. Apr.1951. 1 Ag84Ah
On peaches.
- 81414 COCHRAN, L. C., and others. Ring spot. U. S. D. A. Agr. Handb. 10:71-80. Apr.1951. 1 Ag84Ah
L. M. Hutchins, J. A. Milbrath, G. L. Stout, and S. M. Zeller, joint authors.
On peaches.
- 81415 CULLINAN, F. P. Similarity of some nutritional disorders and virus diseases. U. S. D. A. Agr. Handb. 10:215-219. Apr.1951. 1 Ag84Ah
- 81416 DOOLITTLE, S. P., and ALEXANDER, L. J. Occurrence of tobacco etch virus on greenhouse tomatoes in Ohio. Plant Dis. Rptr. 35:351-353. Aug.15,1951. 1.9 P69P
- 81417 FCSTER, W. R., LOTT, T. B., and WELSH, M. F. Little cherry. U. S. D. A. Agr. Handb. 10:126-129. Apr.1951. 1 Ag84Ah
- 81418 GIGANTE, R. Étude des moyens les plus propres à la defense et à la lutte contre les maladies dues à des virus; recherches et découvertes scientifiques les plus recentes sur les méthodes de lutte, et leur application pratique. Considerations sur l'état de la diffusion des virozes en Italie. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:362-366. 1951. 464.9 C767
French summary.
- 81419 GOLD, A. H., and JENSEN, D. D. An electron microscope study of Cymbidium mosaic virus. Amer. J. Bot. 38:577-578. July 1951. 450 Am36
- 81420 GREENLEAF, W. H. A lethal virus wilt of tabasco pepper (*Capsicum frutescens* L.) (Abs.) Assoc. South. Agr. Workers. Proc. 48:109. 1951. 4 C82
- 81421 HAGEDORN, D. J., and HANSON, E. W. A comparative study of the viruses causing Wisconsin pea stunt and red clover vein mosaic. Phytopathology 41:813-819. Sept.1951. 464.8 P56
- 81422 HEWITT, W. B. Virus and virus-like grape diseases. Wines & Vines 32(8):14-15. Aug.1951. 95.8 C122
- 81423 HILDEBRAND, E. M., LOTT, T. B., and WILLISON, R. S. Prune dwarf. U. S. D. A. Agr. Handb. 10:171-174. Apr.1951. 1 Ag84Ah
- 81424 HUTCHINS, L. M., and others. Muir peach dwarf. U. S. D. A. Agr. Handb. 10:63-70. Apr.1951. 1 Ag84Ah
C. F. Kinman, L. C. Cochran, and G. L. Stout, joint authors.
- 81425 HUTCHINS, L. M., and others. Peach mosaic. U. S. D. A. Agr. Handb. 10:26-36. Apr.1951. 1 Ag84Ah
E. W. Bodine, L. C. Cochran, and G. L. Stout, joint authors.
- 81426 HUTCHINS, L. M., COCHRAN, L. C., and TURNER, W. F. Phony. U. S. D. A. Agr. Handb. 10:17-25. Apr.1951. 1 Ag84Ah
In peaches.
- 81427 JENKINSON, J. G., and JONES, G. D. G. Control of cauliflower mosaic virus. Nature [London] 168:336-337. Aug.25,1951. 472 N21
- 81428 JOHNSON, J. Tobacco mosaic virus mutation. Science 114:239-240. Aug.31,1951. 470 Sci2
- 81429 KEITT, G. W., and others. Sour cherry yellows. U. S. D. A. Agr. Handb. 10:152-158. Apr.1951. 1 Ag84Ah
G. H. Berkeley, D. Cation, C. N. Clayton, E. M. Hildebrand, J. D. Moore, and E. J. Rasmussen, joint authors.
- 81430 KENKNIGHT, G. The acid test for phony disease of peach. Phytopathology 41:829-832. Sept.1951. 464.8 P56
- 81431 KEYWORTH, W. G. Split leaf blotch disease of the hop (*Humulus lupulus*). J. Hort. Sci. 26:163-168. June 1951. 80 J825
- 81432 KIENHOLZ, J. R. Pinto leaf. U. S. D. A. Agr. Handb. 10:147-148. Apr.1951. 1 Ag84Ah
On sweet cherries.
- 81433 KINMAN, C. F., and others. Sweet cherry crinkle leaf. U. S. D. A. Agr. Handb. 10:195-200. Apr.1951. 1 Ag84Ah
W. B. Hewitt, T. B. Lott, G. L. Philp, E. L. Reeves, R. S. Willison, and S. M. Zeller, joint authors.
- 81434 KÖHLER, E., and ROSS, H. Das Verhalten deutscher kartoffelsorten gegenüber verschiedenen stämmen des X-virus im pflanzversuch. I. Züchter 21:179-185. Ref. 1951. 442.8 Z8
- 81435 KUNKEL, L. O., BLAKE, M. A., and MANNS, T. F. Peach yellows. U. S. D. A. Agr. Handb. 10:1-3. Apr.1951. 1 Ag84Ah
- 81436 LOTT, T. B. Lambert mottle. U. S. D. A. Agr. Handb. 10:123-125. Apr.1951. 1 Ag84Ah
Of sweet cherry.
- 81437 LOTT, T. B. Small bitter cherry. U. S. D. A. Agr. Handb. 10:130-131. Apr.1951. 1 Ag84Ah
In sweet cherries.
- 81438 LOTT, T. B., and REEVES, E. L. Twisted leaf. U. S. D. A. Agr. Handb. 10:135-136. Apr.1951. 1 Ag84Ah
In sweet cherries.
- 81439 MCCLINTOCK, J. A., KUNKEL, L. O., and THORNBERRY, H. H. Peach rosette. U. S. D. A. Agr. Handb. 10:7-10. Apr.1951. 1 Ag84Ah
- 81440 MCKAY, R., and CLINCH, P. E. M. Observations on the inheritance of field resistance to leaf roll of potatoes. (Shamrock x Skerry Champion). Roy. Dublin Soc. Sci. Proc. (n.s.)25:225-233. Apr.24,1951. 501 D85
- 81441 MCLARTY, H. R., and others. Mottle leaf. U. S. D. A. Agr. Handb. 10:106-111. Apr.1951. 1 Ag84Ah
T. B. Lott, J. A. Milbrath, E. L. Reeves, and S. M. Zeller, joint authors.
In sweet cherries.
- 81442 MANNS, T. F., BLAKE, M. A., and KUNKEL, L. O. Little peach. U. S. D. A. Agr. Handb. 10:4-6. Apr.1951. 1 Ag84Ah
- 81443 MARAMOROSCH, K. Mechanical transmission of corn stunt virus to an insect vector [*Dalbulus maidis*]. Phytopathology 41:833-838. Ref. Sept.1951. 464.8 P56
- 81444 MILBRATH, J. A., and ZELLER, S. M. Rough bark of oriental flowering cherry. U. S. D. A. Agr. Handb. 10:149-151. Apr.1951. 1 Ag84Ah
- 81445 PANJAN, M., and LUŠIN, V. Test-plant for the differentiation of A and Y potato-viruses. (In Croatian.) Hrvatsko Prirodoslovno Društvo. Glasnik Biol. Sekcije (ser.2 B):2/3:22-25. 1948/49, pub.1950. 510 Z1B
English summary.
- 81446 RASMUSSEN, E. J., and others. Green ring mottle. U. S. D. A. Agr. Handb. 10:159-161. Apr.1951. 1 Ag84Ah
G. H. Berkeley, D. Cation, E. M. Hildebrand, G. W. Keitt, and J. D. Moore, joint authors.
In sour cherries.
- 81447 RAWLINS, T. E., and THOMAS, H. E. Virus diseases of sweet cherry. U. S. D. A. Agr. Handb. 10:98-102. Apr.1951. 1 Ag84Ah
On sweet cherry.
- 81448 REEVES, E. L., and HUTCHINS, L. M. Pink fruit. U. S. D. A. Agr. Handb. 10:162-163. Apr.1951. 1 Ag84Ah
Sour cherries.
- 81449 REEVES, E. L. Rusty mottle. U. S. D. A. Agr. Handb. 10:112-115. Apr.1951. 1 Ag84Ah
In sweet cherries.
- 81450 REEVES, E. L., and others. Sweet cherry deep suture. U. S. D. A. Agr. Handb. 10:201-204. Apr.1951. 1 Ag84Ah
E. C. Blodgett, C. F. Kinman, T. B. Lott, J. A. Milbrath, and S. M. Zeller, joint authors.

- 81451 REEVES, E. L., and others. Western X-disease. U. S. D. A. Agr. Handb. 10:43-52. Apr. 1951. 1 Ag84Ah
E. C. Blodgett, T. B. Lott, J. A. Milbrach, B. L. Richards, and S. M. Zeller, joint authors.
In peaches.
- 81452 RICHARDS, B. L., and REEVES, E. L. Necrotic rusty mottle. U. S. D. A. Agr. Handb. 10:120-122. Apr. 1951. 1 Ag84Ah
Of sweet cherries.
- 81453 RCDRIGUEZ SARDINA, J. Examen de los medios de lucha contra los virus. Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocations, Proc.-Verb., Rap., Commun. et Résolutions 1:435-438. 1951. 464.9 C767
- 81454 ROSENZOPF, E. Sind eiweissspindeln virus-einschlusskörper? Phyton 3:95-101. Ref. 1951. 450 P565
- 81455 RUMKER, R. VON. Literaturbericht über arbeiten zum kartoffelabbau 1939-1949. Höfchen-Briefe f. Wiss. u. Praxis 4:34-83. Ref. 1951. 464.8 H67
- 81456 SCARAMUZZI, G. "Rosette with willowform leaves" of peach: a new virus disease. (In Italian.) Humus 7(7):13-18. July 1951. 16 H88
- 81457 SMITH, C. C., and COCHRAN, L. C. Noninfectious plum shot hole. U. S. D. A. Agr. Handb. 10:208-209. Apr. 1951. 1 Ag84Ah
- 81458 SMITH, R. E., and THOMAS, H. E. Prune diamond canker. U. S. D. A. Agr. Handb. 10:175-176. Apr. 1951. 1 Ag84Ah
- 81459 STODDARD, E. M., and others. X-disease. U. S. D. A. Agr. Handb. 10:37-42. Apr. 1951. 1 Ag84Ah
E. M. Hildebrand, D. H. Palmiter, and K. G. Parker, joint authors.
In peaches.
- 81460 STONER, W. N., STOVER, L. H., and PARRIS, G. K. Field and laboratory investigations indicate grape degeneration in Florida is due to Pierce's disease virus infection. Plant Dis. Rptr. 35:341-344. Aug. 15, 1951. 1.9 P69P
- 81461 THOMAS, H. E., and RAWLINS, T. E. Almond calico. U. S. D. A. Agr. Handb. 10:189-190. Apr. 1951. 1 Ag84Ah
- 81462 THOMAS, H. E., and RAWLINS, T. E. Cherry rugose mosaic. U. S. D. A. Agr. Handb. 10:139-140. Apr. 1951. 1 Ag84Ah
- 81463 THOMAS, H. E., and RAWLINS, T. E. Plum white spot. U. S. D. A. Agr. Handb. 10:183-184. Apr. 1951. 1 Ag84Ah
- 81464 THOMAS, H. E., and RAWLINS, T. E. Standard prune constricting mosaic. U. S. D. A. Agr. Handb. 10:185-186. Apr. 1951. 1 Ag84Ah
- 81465 THOMAS, H. E. Willow twig. U. S. D. A. Agr. Handb. 10:95-97. Apr. 1951. 1 Ag84Ah
In peaches.
- 81466 THOMAS, H. E., and RAWLINS, T. E. Yellow bud mosaic. U. S. D. A. Agr. Handb. 10:53-55. Apr. 1951. 1 Ag84Ah
In peaches.
- 81467 THORNBERRY, H. H., and ANDERSON, H. W. Variegated Sida rhombifolia in Central America. Plant Dis. Rptr. 35:411. Sept. 15, 1951. 1.9 P69P
Effect of virus.
- 81468 VIRUS diseases and other disorders with viruslike symptoms of stone fruits in North America. U. S. D. A. Agr. Handb. 10:276 p. Ref., 252-268. Apr. 1951. 1 Ag84Ah
Revision of the Handbook of virus diseases of stone fruits in North America, by E. M. Hildebrand.
- 81469 WALLACE, J. M. Recent developments in studies of quick decline and related diseases. Phytopathology 41:785-793. Ref. Sept. 1951. 464.8 P56
- 81470 WILLISON, R. S. Peach blotch. U. S. D. A. Agr. Handb. 10:93-94. Apr. 1951. 1 Ag84Ah
- 81471 WILLISON, R. S., BERKELEY, G. H., and HILDEBRAND, E. M. Tatter leaf. U. S. D. A. Agr. Handb. 10:141-146. Apr. 1951. 1 Ag84Ah
Of sweet cherry.
- 81472 WILSON, E. E., and STOUT, G. L. Almond bud failure. U. S. D. A. Agr. Handb. 10:205-207. Apr. 1951. 1 Ag84Ah
- 81473 WILSON, E. E., and STOUT, G. L. Drake almond bud failure. U. S. D. A. Agr. Handb. 10:191-194. Apr. 1951. 1 Ag84Ah
- 81474 ZELLER, S. M., CORDY, C. B., and MILBRATH, J. A. Albino. U. S. D. A. Agr. Handb. 10:103-105. Apr. 1951. 1 Ag84Ah
Sweet cherries.
- 81475 ZELLER, S. M., KIENHOLZ, J. R., and MILBRATH, J. A. Black canker. U. S. D. A. Agr. Handb. 10:137-138. Apr. 1951. 1 Ag84Ah
Of sweet cherries.
- 81476 ZELLER, S. M., and MILBRATH, J. A. Mild rusty mottle. U. S. D. A. Agr. Handb. 10:116-120. Apr. 1951. 1 Ag84Ah
In sweet cherries.

Diseases Caused by Nematodes

- 81477 CORDNER, H. B., STRUBLE, F. B., and MORRISON, L. S. Reaction of sweet potato varieties and seedlings to root-knot nematode. (Abs.) Assoc. South. Agr. Workers. Proc. 48:119. 1951. 4 C82
- 81478 DAULTON, R. A. C., and STOKES, W. M. Eelworm destroyed in soil by electric current; encouraging results from field tests. Farmer's Wk. [Bloemfontein] 81:41. June 20, 1951. 24 F225
- 81479 GRAM, E. More vigorous fight against the potato nematode. (In Danish.) Gart.-Tid. 67:359-360. Aug. 15, 1951. 80 G192
- 81480 LOWNSBERRY, B. F., LOWNSBERRY, J. W., and MAI, W. F. Nematodes found in New York State fields with several different cropping histories. Amer. Potato J. 28:681-686. Aug. 1951. 75.8 P842
- 81481 LOWNSBERRY, B. F., and TARJAN, A. C. Pathogenicity of some plant-parasitic nematodes from Florida soils. II. Reaction of celery seedlings to a plant-parasitic nematode complex. Plant Dis. Rptr. 35:403-404. Sept. 15, 1951. 1.9 P69P
- 81482 MACHMER, J. H. Root knot of peanut. I. Distribution. Plant Dis. Rptr. 35:364-366. Aug. 15, 1951. 1.9 P69P
- 81483 MARTIN, W. J., NEWSOM, L. D., and SCHWEGMANN, J. Nematode root rot of cotton in Louisiana. Plant Dis. Rptr. 35:388. Aug. 15, 1951. 1.9 P69P
- 81484 RITTER, M. Les nematodes parasites des plantes horticoles. Jard. de France 6:157-168, 169-172. Ref. June 1951. 86 Sol3
- 81485 VAN DER LINDE, W. J., SMITH, A. J., and ANGELOPULO, V. The control of eelworm. Farming So. Africa 26:243-248. July 1951. 24 So842

ECOLOGY

- 81486 AALTONEN, V. T. Finnish forest types in the light of soil research. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:228-242. 1951. 99.8 Sk5
- 81487 BLACKMAN, G. E., and WILSON, G. L. Physiological and ecological studies in the analysis of plant environment. VII. An analysis of the differential effects of light intensity on the net assimilation rate, leaf-area ratio, and relative growth rate of different species. Ann. Bot. (n.s.) 15:373-408. Ref. July 1951. 450 An7
- 81488 BOWERS, R. R. The plant and animal community. Va. Wildlife 12(9):10-12. Sept. 1951. 410 V81
- 81489 BRAUN-BLANQUET, J., and BOLOS, O. DE. Aperçu des groupements végétaux des montagnes tarragonaises. Barcelona. Inst. Bot. Collect. Bot. 2:303-342. 1950. 451 B234
- 81490 BUZI, V. C. Floristic analysis of natural herbaceous formations. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.) 57:316. 1950. 450 N92
English summary.
- 81491 CABRAL, I. DE. A. R. Ecology of the cork oak, its distribution in Portugal. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 13:157-162. Ref. (Concl.) Apr. 1951. 309.9 J96
- 81492 CHARRIER, G. The xerophytic communities of Quercus in a sector of the western Italian Alps. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.) 57:229-237. Ref. 1950. 450 N92
English summary.
- 81493 CHRISTIANSEN, W. Die pflanzendecke als zeiger für winderosionsgefährdete böden. Natwiss. Ver. f. Schleswig-Holstein. Schr. 25:152-156. 1951. 509 K54
- 81494 DÄNIKER, A. U. Wald und naturschutz. Schweiz. Z. f. Forstw. 102:415-424. Aug./Sept. 1951. 99.8 J82
An ecological study.
- 81495 EVENARI, M. Ecological investigations in Palestine. II. On the vegetation of Kurkar Hills. Israel. Res. Council. B. 1:48-58. Ref. Mar. 1951. 330.9 Is72B
- 81496 GAUSSEN, H. Le dynamisme des biocénoses végétales. Ann. Bot. 55:89-102. Feb. 1951. 442.8 An7
Includes discussion.

- 81497 GISIN, H. La biocénotique. Ann. Biol. 55:81-88. Ref. Feb. 1951. 442.8 An7
Includes discussion.
- 81498 IIZUMI, S. Ecological observations on the rhizome of *Polypara cordata* Bueck. Tôhoku U. Sci. Rpt. Ser. 4. (Biol.) 19:40-46. Mar. 1951. 513 T574Ab
- 81499 ISHIZUKA, K. Plant communities developed in the place of snow-patches on Mt. Hakkôda. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 18:494-506. Ref. Dec. 1950. 513 T574Ab
- 81500 KLAUW, C. J. VAN DER. Qu'est-ce que l'écologie? Ann. Biol. 55:103-115. Feb. 1951. 442.8 An7
- 81501 KUHNELT, W. Sur la structure des associations biotiques terrestres. Ann. Biol. 55:117-127. Feb. 1951. 442.8 An7
Includes discussion.
- 81502 MEUSEL, H. Über pflanzengesellschaften: probleme der vegetationskunde, behandelt an einigen pflanzenvereinen der heimat. II. Urania 14:178-188. May 1951. 474 Url
Germany.
- 81503 MRAZ, K. Degradation stages of forest types. (In Czech.) Lesn. Prace 29:357-384. Ref. 1950. 99.8 L56
English summary.
An ecological study.
- 81504 PFEIFFER, H. Über die pflanzengesellschaft des kleinsten Igelkolbens in wassergefüllten torfstichen. Phytion 3:112-120. Ref. 1951. 450 P565
- 81505 TROTTER, A. Myco-lichenology and phytopathology in the picture of the biogeographic population of Libya. (In Italian.) Delpinoa 3:155-174. Ref. 1950. 451 N16
- 81506 ZOHARY, M. The arboreal flora of Israel and Transjordan and its ecological and phytogeographical significance. Oxford U. Imper. Forestry Inst. Inst. Paper 26,59 p. Ref. 1951. 99.9 OX23
- ### MORPHOLOGY, ANATOMY, AND CYTOLOGY
- 81507 AGATI, G. Contribution to the olive-bud study. (In Italian.) Ann. della Sper. Agr. (n.s.)5:847-858. Ref. 1951. 16 An76
English summary.
- 81508 ATCHISON, E. Studies in the Leguminosae. VI. Chromosome numbers among tropical woody species. Amer. J. Bot. 38:538-546. Ref. July 1951. 450 Am36
- 81509 BELIN-MILLERON, J. Les théories de la fleur devant la méthodologie. Rev. Sci. 89(3109):36-41. Ref. Jan./Mar. 1951. 473 R32
- 81510 BELL, P. R. Studies in the genus *Elaphoglossum* Schott. II-III. Ann. Bot. (n.s.)15:333-357. Ref. July 1951. 450 An7
- 81511 BIRAGHI, A. Deviation of the morphological activity of some meristems. (In Italian.) Not. sulle Mal. delle Piante 14:1-3. Jan./Feb. 1951. 464.8 N84
English summary, p. 101.
- 81512 BOUREAU, E. Le xylème centripète foliaire et la représentation graphique de l'accélération de l'appareil conducteur. Rev. Sci. 88:202-208. Oct./Dec. 1950. 473 R32
- 81513 BRESINGHAM, D. The study of cicatrization in plant tissues. III. State Acad. Sci. Trans. 43:261-264. 1950. 500 L6
- 81514 BRUHIN, A. Beiträge zur zytologie und genetik schweizerischer Crepis-arten. III. Zurich. U. Inst. f. Allg. Bot. Arb. (ser.B)1,101 p. Ref. 1950. 451 Z8
- 81515 CAVAZZA, L. Biologic differences between hard seeds and permeable seeds of *Hedysarum coronarium* (sulla). (In Italian.) Nuovo Gior. Bot. Ital. (n.s.)57:238-246. 1950. 450 N92
English summary.
- 81516 CORTI, R. Embryology and embryogeny in *Cytisus canariensis* Steud. (Genista canariensis L.) with particular regard to a mass of cytoplasm having preferential distribution during megasporogenesis. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.)57:170-185. Ref. 1950. 450 N92
English summary.
- 81517 DIANNELDIS, T. Zur protoplasmatischen anatomie des blattes von *Halophilla stipulacea*. Phytion 3:29-43. Ref. 1951. 450 P565
- 81518 DORMER, K. J. A quantitative study of shoot development in *Vicia faba*. III. The dry weights of the plumular internodes. Ann. Bot. (n.s.)15:289-303. July 1951. 450 An7
- 81519 ELLENGORN, I. A. E. Cytophysiological analysis of interrelations of rootstock and scion tissues. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 2:21-29. Ref. Mar./Apr. 1951. 511 Sa2B
Observations on potato and tomato graftings.
- 81520 GARELLO, F. Contribución al estudio del *Siphocampylus foliosus* Gris. Arch. de Farm. y Bioquím. del Tucumán 5:5-46. Ref. 1950. 396.8 Ar24
English summary.
- 81521 GHISLENI, P. L. An anomaly in *Asparagus officinalis*. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.)57:308-309. 1950. 450 N92
English summary.
- 81522 HARLING, G. Embryological studies in the Compositae. II-III. Acta Horti Bergiani 16:1-56,74-120. Ref. 1951. 451 Sw3
- 81523 HEIMSCH, C. Development of vascular tissues in barley roots. Amer. J. Bot. 38:523-537. Ref. July 1951. 450 Am36
- 81524 KEEFFE, M. M. The coiling of chromosomes in *Trillium*. (Abs.) Minn. Acad. Sci. Proc. 16/18:26. 1948-50. 500 M663
- 81525 KNEEBONE, L. R. An investigation of basidiospore germination in the Hymenomycetes, especially in the Agaricaceae. Pa. State Col. Abs. Doct. Diss. 13:75-78. 1951. 241.8 P38
- 81526 KONZAK, C. F., RANDOLPH, L. F., and JENSEN, N. F. Embryo culture of barley species hybrids. J. Hered. 42:125-134. May/June 1951. 442.8 Am3
- 81527 KUPERMAN, F. M., and ROSTOV'TSEVA, Z. P. On panicle formation in millet. (In Russian.) Vsesoyuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(3):16-18. 1951. 20 Ak1
- 81528 LEBEGUE, A. Embryogénie des Saxifragacées. Développement de l'embryon chez le *Peltiphyllum peltatum* Engl. Acad. des Sci. Compt. Rend. 233:497-499. Aug. 6, 1951. 505 P21
- 81529 LORENZO-ANDREU, A. Cromosomas de plantas de la estepa de Aragón. III. Spain. Cons. Super. de Invest. Cient. Estac. Expt. de Aula Dei. An. 2:195-203. Ref. 1951. 506 Sp132
English summary.
- 81530 LOTFY, T. Chromosome number and chromosome morphology in *Helicophyllum crassipes*. Nature [London] 168:338-339. Aug. 25, 1951. 472 N21
- 81531 MARTENS, P. Le caractère "aphylle" des Rhyniales est-il primitif? Acad. Roy. de Belg. Cl. des Sci. (ser.5)36:811-822. Ref. 1950. 504 B83B
- 81532 MEROLA, A. Study of a peculiar seed apparatus with pneumatodic functions. (In Italian.) Delpinoa 3:5-47. Ref. 1950. 451 N16
English summary.
Araucaria bidwillii.
- 81533 MERRELL, M. B. Lenticel development in the deep-seated cork of *Diervilla florida*, Sieb et Zucc. Leeds Philos. & Lit. Soc. Sci. Sect. Proc. 5:295-300. Nov. 1950. 501 L51
- 81534 MESSERI, A. Description of a pistil of *Olea europaea* L. in which pollen sacs have developed. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.)57:1-10. 1950. 450 N92
English summary.
- 81535 MESSERI, A. Some notes on the embryology and embryogeny of *Olea europaea* L. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.)57:149-169. Ref. 1950. 450 N92
English summary.
- 81536 MOGGI, G. Embryology and embryogeny in *Cytisus laburnum* L. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.)57:186-209. Ref. 1950. 450 N92
English summary.
- 81537 MOZINGO, H. N. Changes in the three dimensional shape during growth and division of living epidermal cells in the apical meristem of *Phleum pratense* roots. Amer. J. Bot. 38:495-511. Ref. July 1951. 450 Am36
- 81538 PAUL, A. K., and DATTA, R. M. Structure and development of the female gametophyte in *Crotalaria intermedia* Kotschy. Philippine J. Sci. 79:59-65. Mar. 1950. 475 P53
- 81539 POPHAM, R. A. Principal types of vegetative shoot apex organization in vascular plants. Ohio J. Sci. 51:249-270. Ref. Sept. 1951. 410 Oh3
- 81540 SALMON, J. Mise en évidence de ribonucléoprotéides dans les cellules criblées au moyen de la méthode de Brachet. Acad. des Sci. Compt. Rend. 233:495-496. Aug. 6, 1951. 505 P21
In plants.

- 81541 SANCHEZ-MONGE, E. The stability of isochromosomes. Spain. Cons. Super. de Invest. Cient. Estac. Expt. de Aula Dei. An. 2:168-173. 1951. 506 Sp132
In wheat.
- 81542 SCHWABE, H. Estudio anatómico de las especies afilas del género *Cassia* en la Argentina. Darwiniana 9:173-187. Ref. 1950. 450 D25
- 81543 SHTERNBERG, M. B. Peculiarities of formation processes in slanting shoots. (In Russian.) Akad. Nauk SSSR. Dok. 77:507-510. Mar. 21, 1951. 511 P444A
Investigations on Aleurites Fordi.
- 81544 SPANNER, D. C., and HEATH, O. V. S. Experimental studies of the relation between carbon assimilation and stomatal movement. II. The use of the resistance porometer in estimating stomatal aperture and diffusive resistance. 2. Ann. Bot. (n.s.) 15:319-331. Ref. July 1951. 450 An7
- 81545 STENAR, H. Zur embryologie von *Haemanthus katharinae* Bak., nebst erörterungen über das helobiale endosperm in den Amaryllidaceae und Liliaceae. Acta Horti Bergiani 16:57-72. Ref. 451 Sw3
- 81546 THOMAS, H. H. A hundred years of plant morphology. Nature [London] 168:312-314. Aug. 25, 1951. 472 N21
- 81547 TJIO, J. H., and HAGBERG, A. Cytological studies on some X-ray mutants of barley. Spain. Cons. Super. de Invest. Cient. Estac. Expt. de Aula Dei. An. 2:149-167. Ref. 1951. 506 Sp132
- 81548 VITTORIA, A. Study and critical notes on the differentiation of the flower buds in almonds. (In Italian.) Delpinoa 3:136-154. Ref. 1950. 451 N16
English summary.
- 81549 WEBER, F. Steinthyllen. Phytion 3:104-107. Ref. 1951. 450 P565
- 81550 ZABLUDA, G. V. On phases of reproductive organ formation in oats and barley. (In Russian.) Akad. Nauk SSSR. Dok. 76:925-928. Feb. 21, 1951. 511 P444A
- 81551 ZEE, S. VAN DER. Beschermingsmiddelen van plant en dier [Protective devices of plants and animals]. Eigen Werk-Ser. Biol. 5, 46 p. 1951. 442.8 E14
Includes insects.
- ### GENETICS
- 81552 A-BOMB'S rays produce glowing corn. Life 31(6):65. Aug. 6, 1951. 280.8 L62
- 81553 AMMAL, E. K. J. Chromosomes and the evolution of garden *Philadelphus*. Roy. Hort. Soc. J. 76: 269-275. Aug. 1951. 84 L84J
- 81554 BAKER, H. G. Hybridization and natural gene flow between higher plants. Biol. Rev., Cambridge Phil. 26:302-337. Ref. Aug. 1951. 442.9 C14
- 81555 BALDINI, E. Researches on the inheritance of certain characters of the peach. (In Italian.) Ann. della Sper. Agr. (n.s.) 5:879-893. Ref. 1951. 16 An76
English summary.
- 81556 BANGA, O., and SNEEP, J. Veredeling van tuinbouwgewassen in Denemarken [Horticultural plant breeding in Denmark]. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 23:289-311. Dec. 1950. 86 W12
- 81557 BURDICK, A. B. Self fertilization-effect of dominance on population means and variances. (Abs.) Assoc. South. Agr. Workers. Proc. 48:65. 1951. 4 C82
Plants.
- 81558 BURTON, G. W. Intra- and inter-specific hybrids in Bermuda grass. J. Hered. 42:153-156. May/June 1951. 442.8 Am3
- 81559 BURTON, G. W. Quantitative inheritance in pearl millet (*Pennisetum glaucum*). Agron. J. 43:409-417. Sept. 1951. 4 Am34P
- 81560 CASTRO, D., and MELLO-SAMPAYO, T. Observations on *Luzula purpurea* Link. Heterochromatine. Asynapsis. (In Portuguese.) Brotéria 20:87-100. Ref. Aug. 1951. 410 B79C
English summary
- 81561 CHIN, K. C. Phénomène de dominance alternante à la quinzième génération d'un hybride: *Triticum monococcum* × *T. vulgare*. Acad. d'Agr. de France Compt. Rend. 37:349-350. June 6/13, 1951. 14 P215Bc
With note by F. Boeuf.
- 81562 DARK, S. O. S. A survey of the present position in hop genetics. Wye Col. Dept. Hop Res. Annu. Rpt. 1950:58-67. Ref. 1951. 70.9 W972
- 81563 DERMEN, H., and EMSWELLER, S. L. Colchicine in plant breeding. Fla. Grower 59(9):10. Sept. 1951. 80 F6622
- 81564 DERMEN, H. Tetraploid and diploid adventitious shoots from a giant sport of McIntosh apple. J. Hered. 42:145-149. Ref. May/June 1951. 442.8 Am3
- 81565 EVERETT, H. L. Mankind's debt to Mendelism hybrid corn (*Zea mays*). Z. f. Pflanzenzücht. 29:394-405. Ref. Mar. 1951. 450 Z36
- 81566 FENTON, K. J. Color inheritance in orchids. Amer. Orchid Soc. B. 20:519-523. (Cont.) Sept. 1951. 80 Am329
- 81567 GALINAT, W. C. Glumeless hybrid sweet corn and the use of the Vg gene in producing crossed corn. J. Hered. 42:115-116. May/June 1951. 442.8 Am3
- 81568 HAAN, H. DE. Der einfluss des Mendelismus auf die pflanzenzüchtung in den Niederlanden (1900-1950). Z. f. Pflanzenzücht. 29:276-281. Mar. 1951. 450 Z36
- 81569 HULL, F. H. Genetics of vigor. (Abs.) Assoc. South. Agr. Workers. Proc. 48:66-67. 1951. 4 C82
- 81570 KUHNHOLTZ-LORDAT, G. Réflexions sur la xenie. Rev. Gén. des Sci. Pures et Appl. 58:29-34. 1951. 473 R324
- 81571 LANGNER, W. Unterschiede der züchtung in land- und forstwirtschaft. Züchter 21:186-191. Ref. 1951. 442.8 Z8
- 81572 LISBOA, L. M. R. Notes on genetics in agriculture. (In Portuguese.) Granja [Lisboa] 10:81-90. Apr./June 1951. 15.5 G76
Plants and animals.
- 81573 LODEN, H. D. Speciation within *Gossypium* and the hybridization of *Gossypium hirsutum* with other members of the genus. (Abs.) Assoc. South. Agr. Workers. Proc. 48:158-159. 1951. 4 C82
- 81574 MENEZES, B. DE. Genetic possibility of hybrid vigor in the castor bean. (In Portuguese.) Agr. e Pecuaria 22(332):68-69. May 1951. 9.2 Ag89
- 81575 MEYER, J. R. Plant and fiber properties of *Gossypium* species for possible transfer to upland cotton. (Abs.) Assoc. South. Agr. Workers. Proc. 48:160-161. 1951. 4 C82
- 81576 MORTENSEN, J. A., and BRITTINGHAM, W. H. The inheritance of pod color in the southern pea, *Vigna sinensis*. (Abs.) Assoc. South. Agr. Workers. Proc. 48: 109. 1951. 4 C82
- 81577 PARTHASARATHY, N. Chromosome elimination in *Saccharum*. Nature [London] 168:383-384. Sept. 1. 1951. 472 N21
- 81578 PESOLA, V. A. Kurze übersicht über die tätigkeit der Abteilung für pflanzenzüchtung an der Landwirtschaftlichen Versuchsanstalt Finnlands. Z. f. Pflanzenzücht. 29:282-287. Mar. 1951. 450 Z36
- 81579 RILEY, H. P. Gene-frequencies and Mendelian ratios. Amer. Nat. 85:268-269. July/Aug. 1951. 470 Am36
Romulea bulbocodoides as example.
- 81580 ROMAN, H., and ULLSTRUP, A. J. The use of A-B translocations to locate genes in maize. Agron. J. 43:450-454. Sept. 1951. 4 Am34P
- 81581 ROOS, M. J. Sports as the starting point for new strains and varieties. (In Dutch.) Bloemisterij 25 (21, 1.e. 30):3. July 27, 1951. 80 B624
- 81582 SANCHEZ-MONGE, E. Glosario de terminos de genética y citogenética. Nuevos terminos y usos. I. Spain. Cons. Super. de Invest. Cient. Estac. Expt. de Aula Dei. An. 2:211-214. Ref. 1951. 506 Sp132
- 81583 SANCHEZ-MONGE, E. Lysenko y su genética Michurino-Marxista. Siembra [Madrid] 7(1):10-13. Ref. Jan. 1951. 15 S11
- 81584 SISAKIAN, N. M. Metabolism during controlled changing of nature of plants. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 2:30-43. Mar./Apr. 1951. 511 Sa2B
Includes experiments with wheat.
- 81585 SMITH, P. E. The inheritance of leaf marking in red clover (*Trifolium pratense* L.). Pa. State Col. Abs. Doct. Diss. 13:53-54. 1951. 241.8 P38
- 81586 SOROKIN, C. Inbreeding is again in favor in Soviet Russia. J. Hered. 42:135-136. May/June 1951. 442.8 Am3
Chiefly plants.
- 81587 STEPHENS, S. G. Cytogenetic methods of measuring interspecific relationships in *Gossypium*. (Abs.) Assoc. South. Agr. Workers. Proc. 48:159. 1951. 4 C82
- 81588 TERNOVSKIY, M. F., and TERENT'EVA, A. I. Selective fertilization capacity in immune varieties of tobacco. (In Russian.) Akad. Nauk SSSR. Dok. 76:901-904. Feb. 21, 1951. 511 P444A
- 81589 TSCHERMAK-SEYSENEGG, E. Wien, der ausgangsort des praktischen Mendelismus. Z. f. Pflanzenzücht. 29:262-275. Ref. Mar. 1951. 450 Z36
- 81590 VILMORIN, M. DE. Cent ans de sélection généalogique et cinquant ans de génétique appliquée à Verrières. Z. f. Pflanzenzücht. 29:288-301. Ref. Mar. 1951. 450 Z36

81591 WURCELDORF-WARDEN, J. E. Un caso de aberración cromosómica espontánea. *Rev. Argentina de Agron.* 18:109-110. June 1951. 9 R327 Trillium.

PHYSIOLOGY

- 81592 AHMAD, R., and AHMAD, B. Growth factors in Bengal gram. *Pakistan J. Sci. Res.* 2:142-147. Ref. Oct. 1950. 475 P173
Effects on yeast.
- 81593 ALLEN, S. E., and SPEER, R. J. Plant absorption of radiophosphorus compounds as influenced by soil type, time and placement. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:140-141. 1951. 4 C82
- 81594 ALMESTRAND, A. The effects of pyridoxine on the growth of isolated grass roots. *Physiol. Plant.* 4:224-241. Ref. 1951. 450 P564
- 81595 AMSLER, P. Untersuchungen über die wachstumsfördernde Wirkung einiger natürlicher Extrakte auf *Ustilago violacea* (Pers.) Fuck. *Bern. Natforsch. Gesell. Mitt.* (n.s.) 7:53-96. Ref. 1950. 508 B45
- 81596 ARONOFF, S. Metabolism of soybean leaves. III. The organic acids produced in short-time photosynthesis. *Arch. Biochem. & Biophys.* 32:237-246. July 1951. 381 Ar2
- 81597 BARACCO GANDOLFO, A. Resultados preliminares de la aplicación de sales de molibdeno a la "semilla" de papa. *Serv. Coop. Interamer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr.* 21:31-33. Feb. 1951. 9.8 P4352
- 81598 BARBIER, G. Les enseignements de la culture sans sol; la juste part à réserver aux fumures minérales et organiques. *Elevage et Cuit.* 3(27):5-6. Mar. 1951. 24 EL2
- 81599 BARBIER, E. C. La sécrétion de nectar chez les *Eucalyptus*. *Rev. Franç. d'Apic.* (ser. 2) 63:529-532; 64:553-559. Ref. Mar.-Apr. 1951. 424.8 R329
- 81600 BATJER, L. P. Hormone-like chemicals for use on fruit trees. *Better Fruit* 46(2):7,19-20-23. Aug. 1951. 80 B46
- 81601 BELLE, G. V., and DULLEMEN, J. V. Water management and starapples. (In Dutch.) *Fruittteelt* 41:452-453. June 28, 1951. 86 N28
Also in *Betuws Tuinbouwhl.* 9(8):3-4. July 7, 1951. 80 B464
- 81602 BENNETT, J. P. Iron chlorosis. *U. S. D. A. Agr. Handb.* 10:230-232. Apr. 1951. 1 Ag84Ah
- 81603 BERGH, H. "Studies on the metabolism of zinc using radiozinc Zn-65"; some investigations with radiozinc given to *Pisum sativum*. *Norske Vidensk. Selsk. Forhandl.* 23:123-126. 1951. 502 T41F
- 81604 BERGSTROM, S., and RASMUSSEN, K. On the growth requirements of lysineless mutants of *Ophiostoma multianthum*. *Physiol. Plant.* 4:421-423. Ref. 1951. 450 P564
- 81605 BERNFELD, M. Action d'extraits de tissus humains sur la tige de ricin. *Soc. de Biol. Compt. Rend.* 145:635-637. May 1951. 442.9 P21
- 81606 BIRAGHI, A. La lutte contre les maladies non parasitaires causées par des facteurs climatiques. (In Italian.) *Conf. Internat. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:367-371. 1951. 464.9 C767
French summary.
- 81607 BLASER, R. E., SKRDLA, W. H., and TAYLOR, T. Competition for potassium among grasses and legumes. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:69. 1951. 4 C82
- 81608 BOSSI, R., LUPO, M., and SORRENTINO, R. Stimulation of the growth of pea seeds by indirect X-rays. (In Italian.) *Ricerca Sci.* 21:379-380. Mar. 1951. 475 It1
- 81609 BOWDEN, R. A. Factors influencing the vegetative and flowering hormones in *Cyclamen persicum*. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:112-113. 1951. 4 C82
- 81610 BOYNTON, D., DAVIDSON, O. W., and LILLELAND, O. Potassium deficiency. *U. S. D. A. Agr. Handb.* 10:224-227. Apr. 1951. 1 Ag84Ah
- 81611 BRAGG, K. K. The effect of 2,4-D on the morphology and yield of potatoes. *Canada. Natl. Weed Com. East. Sect. Proc.* 4:91-97. July 1951. 79.9 C164
- 81612 BRAUNER, L., and ARSLAN, N. Experiments on the auxin reactions of the pulvinus of *Phaseolus multiflorus*. *Istanbul. U. Fen. Fakul. Mecmuasi. Ser. B, Tabii Ilimler* 16:257-300. Ref. July 1951. 475 Is7
- 81613 BROCK, T. D. Studies on the nutrition of *Morchella esculenta* Fries. *Mycologia* 43:402-422. Ref. July/Aug. 1951. 450 M99
- 81614 BROWN, J. C., HAGEN, C. E., and HENDRICKS, S. B. Some characteristics of lime-induced chlorosis. *U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soils & Fert. Lab.* 4:50-53. Ref. 1951. 1.965 A2P942
- 81615 BROWN, J. S. The effect of photoreactivation on mutation frequency in *Neurospora*. *J. Bact.* 62:163-167. Ref. Aug. 1951. 448.3 J82
- 81616 BROYER, T. C. Experiments on imbibition and other factors concerned in the water relations of plant tissues. *Amer. J. Bot.* 38:485-495. Ref. July 1951. 450 Am36
- 81617 CALLISON, E. C., and others. Xanthophyll as a factor in the biological availability of vegetable carotenes. *Arch. Biochem. & Biophys.* 32:407-413. Ref. July 1951. 381 Ar2
L. F. Hallman, W. F. Martin, and E. Orent-Ketles, joint authors.
- 81618 CANTINO, E. C. Evidence for an accessory factor involved in fructose utilization by the aquatic fungus, *Pythiopsis*. *Amer. J. Bot.* 38:579-585. July 1951. 450 Am36
- 81619 CARLSON, C. W., and OLSON, R. V. Iron-manganese ratios in nutrient solutions in relation to the chlorosis of sorghum plants. *Soil Sci. Soc. Amer. Proc.* 15:251-254. Ref. 1950, pub. 1951. 56.9 So3
- 81620 CASTORINA, S. Physiological research on the nutrition and fruiting of the olive. (In Italian.) *Olivicoltura* 6(4):10-18. Apr. 1951. 80 OL42
- 81621 CAVAZZA, L. Study on the influence of the pod in the germination of sainfoin seed (*Onobrychis viciifolia*). (In Italian.) *Nuovo Gior. Bot. Ital.* (n.s.) 57:257-262. 1950. 450 N92
English summary.
- 81622 CERIGHELLI, R. Action du 2,4-D sur les rendements en sucre de la canne. *Rev. Internat. de Bot. Appl. et d'Agr. Trop.* 31:227-231. Mar./Apr. 1951. 26 R323
- 81623 CHANDLER, W. H. Zinc deficiency. *U. S. D. A. Agr. Handb.* 10:237-240. Apr. 1951. 1 Ag84Ab
- 81624 CHESTERS, C. G. C., and ROLINSON, G. N. The role of zinc in plant metabolism. *Biol. Rev., Cambridge Phil. Soc.* 26:239-252. Ref. Aug. 1951. 442.9 C14
- 81625 CHINOY, J. J., and NANDA, K. K. Effect of vernalization and photoperiodic treatments on growth and development of crop plants. I. Varietal differences in flowering of wheat and its correlation with length of spike under varying photoinductive and post-photoinductive treatments. *Physiol. Plant.* 4:209-223. Ref. 1951. 450 P564
- 81626 CIFERRI, R. Abnormalities on corn plant caused by "2,4-D" treatments. (In Italian.) *Not. sulle Mal. delle Piante* 14:4-7. Jan./Feb. 1951. 464.8 N84
English summary, p. 101.
- 81627 CIFERRI, R., and MARCELLI, E. Toxic effect of a mercurial zeolite on tobacco seedlings. (In Italian.) *Not. sulle Mal. delle Piante* 14:11-16. Jan./Feb. 1951. 464.8 N84
English summary, p. 101.
- 81628 CLAYTON, E. E., and MCMURTREY, J. E., JR. Mineral deficiency diseases in tobacco plants—and how to prevent them. *Rhodesian Tobacco J.* 3(7):50-60, 63. July 1951. 69.8 R34
- 81629 COLWELL, W. E., and HALL, N. S. Contribution of isotopic tracer studies to agronomic research. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:61. 1951. 4 C82
- 81630 COOK, E. D., and others. The effect of N, P O P₂O₅, and K O on chemical composition and forage yield of *Camellia* oats. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:60. 1951. 4 C82
L. C. Kapp, J. C. Smith, L. E. Crane and R. P. Bates, joint authors.
- 81631 CORNFIELD, A. H., and POLLARD, A. G. The volumetric semi-micro determination of magnesium in plant and soil extracts. *J. Sci. Food & Agr.* 2:371-373. Aug. 1951. 382 So12
- 81632 COSSE, S. Behavior of water in the seed during processing and drying. (In Italian.) *Italia e i Cereali* 6:250-252, 257-258. May 1951. 59.8 It1
- 81633 CULLINAN, F. P., and DAVIDSON, O. W. Phosphorus deficiency. *U. S. D. A. Agr. Handb.* 10:228-229. Apr. 1951. 1 Ag84Ah
- 81634 DADYKIN, V. P. On swelling of seeds in frozen soil. (In Russian.) *Akad. Nauk SSSR. Dok.* 77:333-336. Ref. Mar. 11, 1951. 511 P444A
Experiments with vetch.

- 81635 DANVIG, R. Light and plants. III. (In Danish.) Gart.-Tid. 87:361-364. Aug.15,1951. 80 G192
Photoperiodism.
- 81636 DAVID, R. L'influence de la printanisation sur les lipides de la plantule et de l'albumen de la semence de blé. Acad. des Sci. Compt. Rend. 233:428-430. July 30,1951. 505 P21
- 81637 DAVID, R., and GUERINDON, A. Influence stimulante exercée par le froid sur la germination des graines de pin maritime. Soc. de Biol. Compt. Rend. 145:715-717. May 1951. 442.9 P21
- 81638 DAVID, R., BOUDON, S., and GUERINDON, A. Les modifications des réserves lipidiques des graines de pin maritime au cours de la germination. Soc. de Biol. Compt. Rend. 145:718-720. May 1951. 442.9 P21
- 81639 DAVIDSON, O. W. Key to nutrient deficiencies in peach trees. U. S. D. A. Agr. Handb. 10:220-221. Apr.1951. 1 Ag84Ah
- 81640 DEMETRIADES, S. D., and ZACHOS, D. G. Note sur quelques cas d'accidents causés sur la vigne et le coton par l'emploi d'herbicides phytohormoniques en Grèce. Conf. Internat. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:393-395. 1951. 464.9 C767
- 81641 DOMBY, C. W., STELLY, M., and SELL, O. E. The nitrogen and phosphorus content of winter oat forage at various clipping dates as affected by applications of nitrogen. Soil Sci. Soc. Amer. Proc. 15:213-218. Ref. 1950, pub.1951. 56.9 So3
- 81642 DRISKELL, B. N. Correlation of plant tissue tests of corn, deficiency symptoms and soil analysis on the Jordan fertility plots. Pa. State Col. Abs. Doct. Diss. 13:49-52. 1951. 241.8 P38
- 81643 DRISKELL, B. N. The use of soil testing, tissue testing and deficiency symptoms as a diagnostic technique for corn production. (Abs.) Assoc. South. Agr. Workers. Proc. 48:141-142. 1951. 4 C82
- 81644 DROUHET, E., and MARIAT, F. Sur le déterminisme du développement in vitro de *Sporotrichum schenckii* sous la forme levure. Acad. des Sci. Compt. Rend. 233:433-435. July 30,1951. 505 P21
- 81645 DUSHECHKIN, V. I. In what condition do shoots of perennial grasses pass the winter. (In Russian.) Akad. Nauk SSSR. Dok. 76:921-924. Feb.21,1951. 511 P444A
Anatomical study of grasses and clover.
- 81646 EDRIDGE, T. G. Plants and their water supply. Health & Soil, Summer/Autumn 1951:17-18. 56.8 H34
- 81647 EMERY, G. A. Developments in the use of plant growth-regulating substances. Export Rev. Brit. Drug & Chem. Indus. 12(134):37-39. June 1951. 396.8 C42A
- 81648 EMMERT, E. M. Spraying with sucrose to increase growth when carbohydrate synthesis is slow. (Abs.) Assoc. South. Agr. Workers. Proc. 48:138-139. 1951. 4 C82
- 81649 ENO, C. F., and REUSZER, H. W. The availability of potassium in certain minerals to *Aspergillus niger*. Soil Sci. Soc. Amer. Proc. 15:155-159. 1950, pub. 1951. 56.9 So3
- 81650 EPSTEIN, E. Ion accumulation and transport by plants. (Abs.) Assoc. South. Agr. Workers. Proc. 48:135. 1951. 4 C82
- 81651 EVREINOFF, V. A. Bio-pomologic observations on peaches. (In Italian.) Riv. di Frutticoltura. 13:167-173. July 1951. 80 R52
English summary.
- 81652 FABRIZIUS, P. Hydroponics. Farm Q. 6(3): 30-31, 107-111. Autumn 1951. 6 F22995
- 81653 FANG, S. C., and others. The absorption of radioactive 2,4-dichlorophenoxyacetic acid and the translocation of C^{14} by bean plants. Arch. Biochem. & Biophys. 32:249-255. July 1951. 381 Ar2
E. G. Jaworski, A. V. Logan, V. H. Freed, and J. S. Butts, joint authors.
- 81654 FEDOROVSKIĬ, D. V. Rate of entrance of water and nutritive elements into the plant. (In Russian.) Pochvovedenie 4:204-210. Ref. Apr.1951. 57.8 P34
Experiments with corn and rye.
- 81655 FERRI, M. G. Photo-inactivation of the plant hormone indoleacetic acid by fluorescent substances. Nature [London] 168:334-335. Aug.25,1951. 472 N21
- 81656 GESSEL, S. P., WALKER, R. B., and HADDOCK, P. G. Preliminary report on mineral deficiencies in Douglas-fir and western red cedar. Soil Sci. Soc. Amer. Proc. 15:364-369. Ref. 1950, pub.1951. 56.9 So3
- 81657 GODBOUT, E. Effects of herbicides on cereal crops (oats). Canada. Natl. Weed Comt. East. Sect. Proc. 4:21-23. July 1951. 79.9 C164
- 81658 GORTER, C. J. The influence of 2,3,5-triiodobenzoic acid on the growing points of tomatoes. II. The initiation of ringfasciations. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 54:181-190. Ref. 1951. 442.9 Am8
- 81659 GOVI, G. A non-parasitic spotting of peach leaves. (In Italian.) Riv. di Frutticoltura. 13:195-199. July 1951. 80 R52
English summary.
- 81660 HAAS, A. R. C. Phosphate deficiency symptoms in lemon leaves in controlled cultures. Calif. Citrog. 36:441,460. Ref. Sept.1951. 80 C125
- 81661 HAGLER, T. B. Nutrient-element deficiency symptoms of dewberries in sand culture. (Abs.) Assoc. South. Agr. Workers. Proc. 48:116. 1951. 4 C82
- 81662 HANSEN, C. J., CULLINAN, F. P., and PROEBSTING, E. L. Boron deficiency. U. S. D. A. Agr. Handb. 10:244-245. Apr.1951. 1 Ag84Ah
- 81663 HANSEN, C. J. Boron-excess injury. U. S. D. A. Agr. Handb. 10:246-248. Apr.1951. 1 Ag84Ah
- 81664 HANSEN, C. J. Copper deficiency. U. S. D. A. Agr. Handb. 10:241-242. Apr.1951. 1 Ag84Ah
- 81665 HARLEY, C. P. Arsenic injury. U. S. D. A. Agr. Handb. 10:250-251. Apr.1951. 1 Ag84Ah
On fruit.
- 81666 HARTEL, H. Über die quellbarkett pflanzenlicher membranen. Phyton 3:69-83. Ref. 1951. 450 P565
- 81667 HASKELL, G. pH tolerance and polyploidy in angiosperms. Plant & Soil 3:223-238. Ref. July 1951. 450 P696
- 81668 HAVIS, A. L. Calcium deficiency. U. S. D. A. Agr. Handb. 10:243. Apr.1951. 1 Ag84Ah
- 81669 HAVIS, A. L. Magnesium deficiency. U. S. D. A. Agr. Handb. 10:233-234. Apr.1951. 1 Ag84Ah
- 81670 HEIBERG, S. O., and WHITE, D. P. Potassium deficiency of reforested pine and spruce stands in northern New York. Soil Sci. Soc. Amer. Proc. 15:369-376. 1950, pub.1951. 56.9 So3
- 81671 HELDER, R. J. Growth as a determining factor for the intake of anions by maize plants. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 54:275-286. Ref. May/June 1951. 442.9 Am8
- 81672 HELLER, R. Sur l'action physique favorable exercée sur la croissance des cultures de tissus végétaux par le contact d'un milieu gélosé ou d'un gel de silice. Soc. de Biol. Compt. Rend. 145:675-677. May 1951. 442.9 P21
- 81673 HELSON, V. A., and MINSHALL, W. H. Further information concerning the use of herbicidal oils on the physiology of certain plants. Canada. Natl. Weed Comt. East. Sect. Proc. 4:100-101. July 1951. 79.9 C164
- 81674 HEMBERG, T. Rooting experiments with hypocotyles of *Phaseolus vulgaris* L. Physiol. Plant. 4: 358-369. Ref. 1951. 450 P564
Effect of growth substances.
- 81675 HERRERO, F. J. Metodo para la conservación de cepas de hongos por cultivo en ampollas. Arch. de Farm. y Bioquím. del Tucumán 5:47-51. Ref. 1950. 396.8 Ar24
English summary.
- 81676 HERTEL, K. L., and CRAVEN, C. J. Cotton immaturity as measured by the arealometer. (Abs.) Assoc. South. Agr. Workers. Proc. 48:163. 1951. 4 C82
- 81677 HIELE, T. VAN, PLASSE, J. B. VAN DE, and WIERSMA, O. The development of scald on Present of England. (In Dutch.) Fruitteelt 41:529. Aug.2,1951. 86 N28
- 81678 HOOPER, F. F. The effect of Derris root (rotenone) upon plankton and bottom fauna organisms of a small Minnesota lake. Minn. Acad. Sci. Proc. 16:18: 29-33. 1948-50. 500 M663
- 81679 HOPPE. Kann durch wuchshormone das vorzeitige abfallen der fruchte verhütet werden? Obstbau 70:102-103. July 1,1951. 80 Ob73
- 81680 HORSFALL, F., JR. TCPA [2,4,5-Tri-Chloro-Phenoxy-Propionic Acid] a new stop-drop spray. Va. Fruit 39(8):27-28,30. Aug.1951. 81 V81B
- 81681 HOWARD, H. W., and LYON, A. G. Effect of light on the germination of watercress seeds. Nature [London] 168:253-254. Aug.11,1951. 472 N21
- 81682 HUBBARD, C. V., and THORNBERRY, H. H. Utilization of some organic acids by *Streptomyces griseus* for streptomycin production and growth. Ill. State Acad. Sci. Trans. 43:61-74. Ref. 1950. 500 IL6
- 81683 HURWITZ, S., and LAHOVER, D. The effect of growth conditions on the chemical composition of beets. (In Hebrew.) Hassadeh 31:371-374. May 1951. 26 H27

- 81684 ILJIN, W. S. Metabolism of plants affected with lime-induced chlorosis (calciose). I. Nitrogen metabolism. *Plant & Soil* 3:239-256. Ref. July 1951. 450 P696
- 81685 IYENGAR, C. V. K. Intraseasonal growth variation and cultivation of sugar-cane. *Nature [London]* 168:252-253. Aug.11,1951. 472 N21
- 81686 JONES, L. T. Spraying to control pre-harvest drop in Washington Navel oranges. *West. Austral. Dept. Agr. J. (ser.2)* 28:72-76. Mar.1951. 23 W52J
- 81687 JOSEPHSON, L. M. Effect of maleic hydrazide in delaying flowering in corn. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:136-137. 1951. 4 C82
- 81688 JUSCAFRESA, B. El agua, necesidad vital de las plantas. *Ceres [Valladolid]* 16(181):26-27. June 1, 1951. 15 C33
- 81689 KAWATA, S. Rejuvenation of the degenerated seed-potato by treatment with α -naphthaleneacetic acid. (In Japanese.) *Hort. Assoc. Japan. J.* 19:209-220. Ref. Dec.1950. 87 H78
- 81690 KIDD, F., and others. Metabolism of malic acid in apples. *J. Hort. Sci.* 26:169-185. Ref. June 1951. 80 J825
- C. West, D. G. Griffiths, and N. A. Potter, joint authors.
- 81691 KNOWLES, G. The effect of herbicides on clover. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:30-31. July 1951. 79.9 C164
- 81692 KORNILOV, A. A. On beginning of the light phase of development in spring wheat. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:929-932. Ref. Feb.21,1951. 511 P444A
- 81693 KOSAR, W. F., and THOMPSON, R. C. Some effects of maleic hydrazide on the growth of lettuce. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:136. 1951. 4 C82
- 81694 KOSUGI, K. Effects of 2,4-D and ethylene chlorhydrin in breaking the rest period of *Gladiolus* corms. (In Japanese.) *Hort. Assoc. Japan. J.* 19:239-244. Ref. Dec.1950. 87 H78
- English summary.
- 81695 KRAMER, P. J. Causes of injury to plants resulting from flooding the soil. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:136. 1951. 4 C82
- 81696 KROPFITSCH, M. Apfelsäure-wirkung auf antheozyan-bildung. *Phyton* 3:108-109. 1951. 450 P565
- Experiments with broadbeans.
- 81697 KUEHNER, C. C. The effect of added B-vitamins on the growth and ester production of *Hansenula anomala* (Hansen) Sydow. *Mycologia* 43:389-401. Ref. July/Aug.1951. 450 M99
- 81698 KUNIYA, Y. Thermoelectric study on the sap streaming of plants. *Tôhoku U. Sci. Rpt. Ser. 4 (Biol.)* 18:527-543. Ref. Dec.1950. 513 T574Ab
- 81699 LASHUK, G. I. Role of root system in the formation of reproductive organs in muskmallow [*Hibiscus abelmoschus*]. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:933-936. Feb.21,1951. 511 P444A
- 81700 LAWRENCE, W. J. C., and CALVERT, A. A word of warning from John Innes Institution: artificial light for seedlings. *Fruit-Grower* 2903:250-251. Aug.16, 1951. 80 F941
- 81701 LECAT, P. Répartition et variations du système ascorbique chez les végétaux. *Plant & Soil* 3:267-308. Ref. July 1951. 450 P696
- 81702 LENG, E. R. Time-relationships in tassel development of inbred and hybrid corn. *Agron. J.* 43:445-449. Sept.1951. 4 Am34P
- 81703 LILLELAND, O. Manganese deficiency. *U. S. D. A. Agr. Handb.* 10:235-236. Apr.1951. 1 Ag84Ah
- 81704 LILLELAND, O. Sodium-excess injury. *U. S. D. A. Agr. Handb.* 10:249. Apr.1951. 1 Ag84Ah
- On fruit.
- 81705 LINDEMAN, W. The influence of phosphate on the photosynthesis of *Lemna minor* L. *Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci.* 54:287-295. Ref. May/June 1951. 442.9 Am8
- 81706 LODEN, H. D., and WILSON, C. C. The effect of temperature upon the germination and subsequent growth of a number of varieties of *Gossypium hirsutum* (L.). (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:162. 1951. 4 C82
- 81707 LORENZO-ANDREU, A. Acción de varias sales alcalinas sobre la división celular en *Allium cepa*. *Spain. Cons. Super. de Invest. Cient. Estac. Expt. de Aula Dei. An.* 2:174-186. 1951. 506 Sp132
- English summary.
- 81708 MAAG, R. L'action des produits antiparasitaires et leur phytotoxicité. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocations, Proc.-Verb., Rap., Commun. et Résolutions* 1:135-142. 1951. 464.9 C767
- 81709 MCCLOUD, D. E., and COLE, W. A. The effect of photoperiod on the flowering of Ladino and Louisiana white clover. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:137. 1951. 4 C82
- 81710 MCILRATH, W. J., and ERGLE, D. R. Evidence for the persistence of the 2,4-D stimulus within the cotton plant. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:137-138. 1951. 4 C82
- 81711 MAGNITSKIĬ, K. P. Symptoms of deficiency and harmful surplus of individual minor elements in potatoes. (In Russian.) *Sad i Ogorod* 3:74-78. Mar.1951. 80 Sa13
- 81712 MAKAROV, B. N. Changes in potato photosynthesis and respiration during the vegetation period. (In Russian.) *Akad. Nauk SSSR. Dok.* 77:503-505. Ref. Mar.21,1951. 511 P444A
- 81713 MARINUCCI, M. Etudes récentes sur la biologie de l'olivier. *Feuilles d'Inform. Oléicoles Internatl. (n.s.)* 11:5-11. Jan./Feb.1951. 80 F43
- 81714 MARTINO, C. Growth of "Levantine" in relation to time. (In Italian.) *Tabacco* 55:215-234. July 1951. 69.8 T115
- 81715 MAZZOLANI, G. Quelques observations sur le développement des bourgeons de l'olivier (*Olea europea*). *Feuilles d'Inform. Oléicoles Internatl.* 11:101-110. Ref. May/June 1951. 80 F43
- English summary.
- 81716 MEISSNER, R. Über das vorkommen eines die keimung des wurzelparasiten *Alectra vogelii* Benth. hervorruhenden stoffes in den wirtswurzeln. *Phyton* 3:90-94. 1951. 450 P565
- Cowpeas used as host plant.
- 81717 MENDEL, K. Studies on the vitality of orange branches. (In Hebrew.) *Jewish Agency Palestine. Agr. Res. Sta. Ktavim* 1:77-109. Ref. Dec.1950. 107 J552
- Abridged English translation, p. 19-23.
- 81718 MICHAUX, P. L'économie de l'eau dans les cultures tropicales d'oléagineux. *Oléagineux* 6:449-457. Aug./Sept.1951. 77.8 OL2
- In North Africa.
- 81719 MILLER, I. H., JR., and BURRIS, R. H. Effect of plant growth substances upon oxidation of ascorbic and glycolic acids by cell-free enzymes from barley. *Amer. J. Bot.* 38:547-549. July 1951. 450 Am36
- 81720 MININA, E. G. Development of flower buds in oak. (In Russian.) *Zhur. Obshch. Biol.* 12:50-54. Jan./Feb.1951. 442.8 Z6
- 81721 MINSHALL, W. H. Recent developments on the physiology of herbicidal action with 2,4-D and maleic hydrazide. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:112-113. July 1951. 79.9 C164
- 81722 MINTON, N. A., HAGLER, T. B., and BRIGHTWELL, W. T. Nutrient element deficiency symptoms of the rabbiteye blueberry. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:116. 1951. 4 C82
- 81723 MOYSE, A. Les oxydations respiratoires et la respiration des plantes. *Ann. des Sci. Nat. Bot. et Biol. Vég. (ser.11)* 11:29-52. Ref. 1950. 450 An75
- 81724 NAKAZAWA, S. Invalid stratification to the egg polarity in *Coccophora* and *Sargassum*. *Tôhoku U. Sci. Rpt. Ser. 4 (Biol.)* 19:73-78. Mar.1951. 513 T574Ab
- 81725 NIKITIN, A. A. Deficiencies: trace element deficiencies in plants; the cause and methods of correction. *Tenn. State Hort. Soc. Proc.* 45:29. 1950. 81 T25
- 81726 NITSCH, J. P. Growth and development in vitro of excised ovaries. *Amer. J. Bot.* 38:566-577. Ref. July 1951. 450 Am36
- 81727 NOGGLE, G. R. Radioisotopes in plant physiology studies. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:134-135. 1951. 4 C82
- 81728 NOVIKOV, V. A., and BARANNIKOVA, Z. D. Critical period in the relation of corn to light intensity. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:937-940. Ref. Feb.21,1951. 511 P444A
- 81729 OEHLER, E. L'effet de la colchicine sur les cellules vivantes des plantes. *Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg.* 42:195-199. 1951. 389.9 Sw6
- 81730 OGASAWARA, H., and NAKAYA, S. Effect of climatic elements on sweet potato yield in Iwate. (In Japanese.) *Hort. Assoc. Japan. J.* 19:225-228. Dec.1950. 87 H78
- English summary.

- 81731 OKADA, M. Studies on the crown bud of *Chrysanthemums*. III. On the effect of short period of short day treatment on flower bud differentiation and crown bud formation. (In Japanese.) Hort. Assoc. Japan. J. 19: 200-203. Dec.1950. 87 H78
- 81732 OLMSTED, J. M., and KONINGSBERGER, V. V. Liquefaction of agar-gels when used as growth media for sterile cultures of *Zea mays* (L). Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 54:308-316. Ref. May/June 1951. 442.9 Am8
- 81733 ORSAT, C. Utilisations des hormones en viticulture. Colon Franç. de Tunisie (ser.7)44(2207):1-2. July 28,1951. 24 C712
- 81734 ÖSTERLIND, S. Inorganic carbon sources of green algae. III. Measurements of photosynthesis in *Scenedesmus quadricauda* and *Chlorella pyrenoidosa*. Physiol. Plant. 4:242-254. 1951. 450 P564
- 81735 OZEROV, G. V. Effect of intensity of lighting on growth of lemon seedlings. (In Russian.) Sad i Ogorod 3:51-52. Mar.1951. 80 Sa13
- 81736 OZOL, A. M. Transformation and adaptation of walnut to new living conditions. (In Russian.) Zhur. Obshch. Biol. 12:34-49. Ref. Jan./Feb.1951. 442.8 Z6
- 81737 PAOLIS, D. DE. Considerations on the variation in growth rings of the almond. Light is an important factor. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.)57:210-222. 1950. 450 N92
English summary.
- 81738 PERNIOLA, M. Influence of nitrogenous fertilizer application on the composition of 'Catalogna' chicory (*Cichorium intybus*). (In Italian.) Ann. della Sper. Agr. (n.s.)5:667-677. Ref. 1951. 16 An76
English summary.
- 81739 PETINOV, N. S. Problems of physiological analysis of watering regime of plants. (In Russian.) Zhur. Obshch. Biol. 12:3-19. Ref. Jan./Feb.1951. 442.8 Z6
- 81740 PETRUCCI, D. Study of the aerobic and anaerobic catabolism of *Triticum vulgare*, *Cryza sativa*, and *Vicia faba*. (In Italian.) Nuovo Gior. Bot. Ital. (n.s.)57: 311-312. 1950. 450 N92
English summary.
- 81741 PODUFALY, T. I. Importance of perennial legumes and grasses for the control of chlorosis in fruit trees. (In Russian.) Sovet. Agron. 9(4):92-94. Apr.1951. 20 So84
Effect on fruit soils.
- 81742 PORTER, R. P. Plantex-50, anti transpirant. Larvacide Log 12:31-32. Jan.1951. 421 L32
An aid in transplanting seedlings.
- 81743 PROEBSTING, E. L., and DAVIDSON, O. W. Nitrogen deficiency. U. S. D. A. Agr. Handb. 10:222-223. Apr.1951. 1 Ag84Ah
- 81744 PROKHORENKO, L. N. Selective fertilization in corn during varied quantitative relationship of pollen in pollen mixtures. (In Russian.) Zhur. Obshch. Biol. 12: 96-107. Ref. Mar./Apr.1951. 442.8 Z6
- 81745 PUSATERI, S. J. The effect of visible and ultraviolet irradiation on cultured fungi. U. South. Calif. Abs. Diss. 1950:38-39. 1951. 241.8 Un32
- 81746 RAALTE, M. H. VAN. Interaction of indole and hemi-auxins with indoleacetic acid in root formation. II. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 54:117-125. Ref. 1951. 442.9 Am8
- 81747 RAINERI, C. Plants and radioactive tracers. (In Italian.) Terra [Firenze] 62(17):3. Apr.29,1951. 16 T274
- 81748 REISENAUER, H. M., and COLWELL, W. E. Some factors affecting the absorption of chlorine by tobacco. Soil Sci. Soc. Amer. Proc. 15:222-229. Ref. 1950, pub.1951. 56.9 So3
- 81749 REYNEKE, J. Chemical, physical and soil problems in plant nutrition. III. (In Dutch.) So. African Indus. Chem. 5:82-87. Ref. May 1951. 385 So8
- 81750 ROSENZOPF, E. Hemmung der eiweissspindelbildung durch UV-bestrahlung. Phyton 3:102-103. 1951. 450 P565
- 81751 ROUSSEL, L. Petite histoire de la photologie forestière. Soc. Forest. de Franche-Comté et des Prov. de l'Est. B. Trimes. 25:726-733. Ref. Mar.1951. 99.9 So14
- 81752 RUSSELL, S. La acción de los isótopos radiactivos en las plantas. Ceres [Valladolid] 16(181):39,41, 43. June 1,1951. 15 C33
- 81753 SAITO, K. Studies on inducing polyploid flower plants and their utilization. III. On several polyploid plants of *Cacalia*, *Cosmos*, *Cuphea* and others. (In Japanese.) Hort. Assoc. Japan. J. 19:195-199. Dec.1950. 87 H78
English summary.
Colchicine treatment.
- 81754 SAMISCH, R. M., and REICH, S. The use of plant growth substances to control pre-harvest drop of apples in Israel. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:293-307. Ref. Dec.1950. 107 J552
Abridged English translation, p. 73-74.
- 81755 SAUER, G., and WIDJANARKO, S. Mottled seed in soybean varieties. (In Dutch.) Landbouw [Bogor] 23:111-112. Jan./Mar.1951. 22.5 L23
- 81756 SCHULDT, E., and GOTTLIEB, D. Colchicine as a mutagenic agent for *Streptomyces griseus*. III. State Acad. Sci. Trans. 43:51-52. 1950. 500 IL6
- 81757 SCOTTI, T. Further experiments on stimulating effect on rice seedlings of organic mercury and thiuram compounds, used as seed dressing. (In Italian.) Not. sulle Mal. delle Pianta 14:44-46. Jan./Feb.1951. 464.8 N84
English summary, p. 102.
- 81758 SCURTI, J. On the decay of some orchards in the Aosta Valley caused by deficiency of elements necessary for their chemism. (In Italian.) Ann. della Sper. Agr. (n.s.)5:745-760. Ref. 1951. 16 An76
English summary.
- 81759 SERR, E. F. Sprays decrease preharvest drop of Peerless almonds. Almond Facts 16(4):11. July/Aug. 1951. 280.28 AL62
- 81760 SHAKHOV, A. A. On drought and salt resistance of tree species of North-Western Kazakhstan. (In Russian.) Zhur. Obshch. Biol. 12:84-95. Ref. Mar./Apr. 1951. 442.8 Z6
- 81761 SHAW, B. T. Photoperiod—the known and unknown. South. Florist & Nurseryman 64(26):13,78. Sept. 1951. 80 So86
- 81762 SIBAOA, T. Action potential and conduction of excitation in the leaf of *Mimosa pudica*. Tōhoku U. Sci. Rpt. Ser. 4 (Biol.) 18:362-369. Ref. Feb.1950. 513 T574Ab
- 81763 SIBAOA, T. Nature of conduction of excitation in the petiole of *Mimosa pudica*. Tōhoku U. Sci. Rpt. Ser. 4 (Biol.) 18:370-376. Feb.1950. 513 T574Ab
- 81764 SIBAOA, T. On a factor affecting the velocity of excitatory conduction in the petiole of *Mimosa pudica*. Tōhoku U. Sci. Rpt. Ser. 4 (Biol.) 18:521-523. Ref. Dec.1950. 513 T574Ab
- 81765 SIEBENEICK, H. Vom physiologischen rollen der fiederblättchen der kartoffel. Neue Mitt. f. die Landwirtschaft. 6:416-417. June 23,1951. 18 N39
- 81766 SIRCAR, S. M., and DAS, T. M. Growth hormones of rice grains germinated at different temperatures. Nature [London] 168:382-383. Sept.1,1951. 472 N21
- 81767 SISAKIAN, N., VASIL'eva, N., and MININA, A. Some peculiarities in the metabolism of branching wheat. (In Russian.) Zhur. Obshch. Biol. 12:73-83. Ref. Mar./Apr.1951. 442.8 Z6
- 81768 SMIRNOV, N. P. Los ritmos de las plantas. Darwiniana 9:306-312. 1950. 450 D25
- 81769 SMITH, J. C., and KAPP, L. C. The effect of application of N, P₂O₅, K₂O and MgO on the yield and chemical composition of coastal Bermuda grass. (Abs.) Assoc. South. Agr. Workers. Proc. 48:139-140. 1951. 4 C82
- 81770 SPIRANEC, M. Noch über die anfängliche physiologische reife der waldbäume. (In Croatian.) Sumarski List 75:213-221. June 1951. 99.8 Su6
German summary.
- 81771 STILES, W. Photosynthesis. Discovery 12: 178-180. June 1951. 472 D63
- 81772 SULAKADZE, T. S. Peculiarities of water admission into tissues of plants affected with chlorosis and effect of growth substances on this process. (In Russian.) Akad. Nauk SSSR. Dok. 76:941-944. Feb.21, 1951. 511 P444A
- 81773 SYRACUSE UNIVERSITY. DEPT. OF PLANT SCIENCES. DIV. OF BACTERIOLOGY. Physiology of the wood-rotting fungi; semi-annual progress report, 3, January-June, 1950, by M. W. Jennison and others. Syracuse,1950. 7 p. 462.8 Sy8

- 81774 TAGAWA, T., and KUBO, T. Studies on the bulb-division in *Lilium longiflorum*. II. Especially on the formation of new bud and of bulb-division. (In Japanese.) Sapporo Soc. Agr. & Forestry. J. 39:11-15. Mar. 1951. 22.5 Sol
- 81775 TARANEZ, A. Absorption de la lumière par la chlorophylle et rétention d'eau par les tissus en rapport avec la réaction photopériodique des plantes. Ann. des Sci. Nat. Bot. et Biol. Vég. (ser.11)11:21-28. 1950. 450 An75
- 81776 TATEBE, T. Studies on the behavior of incompatible pollen in Brassica. III. Brassica pekinensis Rupr., B. rapa var. amplexicaulis subvar. osakana (Makino) Kitamura, and B. juncea Coss. (In Japanese.) Hort. Assoc. Japan. J. 19:221-224. Ref. Dec.1950. 87 H78
- 81777 THARP, W. H. Physiological aspects of precision plant production. (Abs.) Assoc. South. Agr. Workers. Proc. 48:179-180. 1951. 4 C82
- 81778 THORNE, D. W., WANN, F. B., and ROBINSON, W. Hypotheses concerning lime-induced chlorosis. Soil Sci. Soc. Amer. Proc. 15:254-258. Ref. 1950, pub.1951. 56.9 So3
- 81779 TJIO, J. H. Chromosome fragmentation by pyrogallol in *Vicia faba*. Spain. Cons. Super. de Invest. Client. Estac. Expt. de Aula Dei. An. 2:187-194. 1951. 506 Sp132
- 81780 TOOLE, V. K., WESTER, R. E., and TOOLE, E. H. Relative germination response of some lima bean varieties to low temperatures in sterilized and unsterilized soil. (Abs.) Assoc. South. Agr. Workers. Proc. 48:109-110. 1951. 4 C82
- 81781 TSO, T. C. The effect of potassium fertilization on the potassium, calcium, and sodium content of Pennsylvania cigar leaf tobacco. Pa. State Col. Abs. Doct. Diss. 13:55-57. 1951. 241.8 P38
- 81782 TURRELL, F. M., and SCOTT, F. M. Effect of elemental sulfur dust on growth of citrus leaves, and its relation to the buffer capacity of the leaf-tissue fluid. Amer. J. Bot. 38:560-566. Ref. July 1951. 450 Am36
- 81783 TWIGG, M. C., and LINK, C. B. Nutrient deficiency symptoms of Azaleas. Florists' Exch. 116(15):13. Apr.14,1951. 80 F666
- 81784 VAN CLUTE, J. Why plants lodge. Org. Farmer 3(2):46-48. Sept.1951. 57.8 Or3
- Grain.
- 81785 VERCINA, O. Possibilités et limites dans la défense contre les adversités d'origine non parasitaire. (In Italian.) Conf. Internat. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:202-212. 1951. 464.9 C767
- French summary.
- 81786 VIRGIN, H. I. The effect of light on the protoplasmic viscosity. Physiol. Plant. 4:255-357. Ref. 1951. 450 P564
- 81787 WAGENKNECHT, A. C., and others. Plant growth substances and the activity of cell-free respiratory enzymes. Amer. J. Bot. 38:550-554. Ref. July 1951. 450 Am36
- A. J. Riker, T. C. Allen, and R. H. Burris, joint authors.
- 81788 WARD, H. S., JR. The plant physiological problem in seed processing and storage. (Abs.) Assoc. South. Agr. Workers. Proc. 48:41-42. 1951. 4 C82
- 81789 WARD, N. M. Informe preliminar sobre el uso del clorhidrato de etileno para acortar el periodo de latencia en las papas. Serv. Coop. Interamer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr. 21:34-36. Feb.1951. 9.8 P4352
- 81790 WARIS, H. Cytophysiological studies on microsterias. III. Physiol. Plant. 4:387-409. Ref. 1951. 450 P564
- 81791 WATANABE, S. Parthenocarp induced by 2, 4-D spray in tomato. (In Japanese.) Hort. Assoc. Japan. J. 19:168-176. Dec.1950. 87 H78
- 81792 WETMORE, R., and MOREL, G. Sur la culture du gametophyte de Sélaginelle. Acad. des Sci. Compt. Rend. 233:430-431. July 30,1951. 505 P21
- 81793 WILLIAMS, R. D. The effects of deficiencies of several trace elements on timothy (*Phleum pratense* L.) grown in solution culture. Plant & Soil 3:257-266. Ref. July 1951. 450 P696
- 81794 WILSON, C. C., and LODEN, H. D. The effect of zinc upon the growth of cotton (*Gossypium hirsutum* L.). (Abs.) Assoc. South. Agr. Workers. Proc. 48:161-162. 1951. 4 C82
- 81795 WURGLER-BESANÇON. Retard de la chute prématurée des fruits par des substances de croissance. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:200-210. Ref. 1951. 389.9 Sw6
- 81796 ZEIST, W. VAN, and KOEVOETS, T. C. M. Kalanchoë blossfeldiana treated with 2, 3, 5-triiodobenzoic acid (TIBA). Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 54:126-131. Ref. 1951. 442.9 Am8

BIOCHEMISTRY

- 81797 AZAREVICH, E. M. Dry matter, vitamin C and sugar content in perennial multi-layer Altai onion. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 16(3):19-22. 1951. 20 Ak1
- 81798 BALLENTINE, R., and STEPHENS, D. G. The biosynthesis of stable cobalto-proteins by plants. J. Cell. & Compar. Physiol. 37:369-387. Ref. June 1951. 444.8 J822
- 81799 BEREZNEGOVSKAYA, L. N. Activity of polyphenoloxidases in some plants infested with parasitic plants and in the parasitic plants themselves. (In Russian.) Akad. Nauk SSSR. Dok. 76:859-862. Feb.21, 1951. 511 P444A
- Experiments with nettle and corn infested with *Cuscuta europea* and *Orobancha cumana*.
- 81800 BERTRAND, G. Recherches sur la présence générale et sur le rôle probable du sodium dans les plantes. Inst. Pasteur. Ann. 81(2):121-125. Ref. Aug. 1951. 448.3 An75
- 81801 BERTRAND, G., and BERTRAND, D. Le rubidium dans les graines. Acad. d'Agr. de France. Compt. Rend. 37:358-360. June 6/13,1951. 14 P215Bc
- 81802 BHATTI, A. H., WARSI, S. A., and AHMAD, B. Active principles of certain medicinal plants of Pakistan. Pakistan J. Sci. 2:155-156. Oct.1950. 475 P172
- 81803 BRAT, L., and WEBER, F. Anthoxanthin in den schlüsszellen der kronblätter von *Victoria amazonica* und *Nymphaea zanzibariensis*. Phytol. 3:22-28. Ref. 1951. 450 P565
- 81804 FRIES, N., and FORSMAN, B. Quantitative determination of certain nucleic acid derivatives in pea root exudate. Physiol. Plant. 4:410-420. 1951. 450 P564
- 81805 HILL, R., and VAN HEYNINGEN, R. Ranunculin: the precursor of the vesicant substance of the buttercup. Biochem. J. 49:332-335. Aug.1951. 382 B52
- 81806 HINTON, J. J. Distribution of Vitamin B1 and nitrogen in the seed of grain. (In Italian.) Italia e i Cereali 6:261-267. May 1951. 59.8 It1
- 81807 HULME, A. C., and SWAIN, T. Organic acids of the apple fruit. Nature [London] 168:254. Aug.11,1951. 472 N21
- 81808 IWASAKI, Y., and TANAKA, Y. Biochemical studies on sweet potatoes. I. Effect of chilling treatment on catalase, oxidase and peroxidase activity. (In Japanese.) Hort. Assoc. Japan. J. 19:234-238. Dec.1950. 87 H78
- 81809 KURSANOV, A. L. Tannins of the tea leaf in connection with the problem of improving the quality of tea. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 2:44-52. Ref. Mar./Apr.1951. 511 Sa2B
- 81810 MCCAIN, F. S. The relation of oil content to yield and other agronomic characters in maize. (Abs.) Assoc. South. Agr. Workers. Proc. 48:64-65. 1951. 4 C82
- 81811 MENDEL, J. L. Studies on nitrate reduction in higher plants. U. South. Calif. Abs. Diss. 1950:33-34. 1951. 241.8 Un32
- 81812 MULDER, D. Selecting leaf sample for chemical analysis. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:128-130. Mar.1951. 86 N384
- 81813 NAKAMURA, G. R., and BECKER, E. L. Phosphatases of ragweed pollen. Arch. Biochem. & Biophys. 33:78-89. Ref. Aug.1951. 381 Ar2
- 81814 NEOGI, S., and RAJAGOPAL, K. A method for the production of carotene concentrate from water hyacinth (*Eichhornia crassipes* Solms). (Abs.) Indian Sci. Cong. Proc. 36(3):215-216. 1949. 513 In22
- 81815 POBEGUIN, T. L'oxalate de calcium chez les Mirabilis: disposition particulière des raphides dans la fleur et le fruit. Ann. des Sci. Nat. Bot. et Biol. Vég. (ser.11)11:1-19. 1950. 450 An75
- 81816 PORTÈRES, R. Enquête sur l'origine des cendres végétales utilisées en Guinée Française forestière. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(2):60-70. 1951. 515 C762C
- 81817 PRICE, C. A., and THIMANN, K. V. The succinic dehydrogenase of seedlings. Arch. Biochem. & Biophys. 33:170-171. Aug.1951. 381 Ar2

- 81818 RABININ, A. A., and IL'INA, E. M. On alkaloid conversions in the plant *Smirnovia turkestanica* Bge. (In Russian.) Akad. Nauk SSSR. Dok. 76:851-853. Feb. 21, 1951. 511 P444A
- 81819 ROSENBERG, A. J., and DUCET, G. Activités respiratoires de végétaux supérieurs. III. Présence de cytochrome C réductases dans les feuilles vertes. Acad. des Sci. Compt. Rend. 233:449-450. July 30, 1951. 505 P21
- 81820 SHIBATA, M. Studien über die bildung organischer säuren in grünen pflanzen. III. Über das verhältnis zwischen dem säuregehalt und dem N- und C-umsatz von *Begonia evansiana* Andr. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 18:377-423, 507-520. (Cont.) Feb.-Dec. 1950. 513 T574Ab
- 81821 SPIEGELMAN, S., DELORENZO, W. F., and CAMPBELL, A. M. A single-cell analysis of the transmission of enzyme-forming capacity in yeast. Natl. Acad. Sci. Proc. 37:513-524. Aug. 1951. 500 N21P
- 81822 TAKAGI, M. Chemical studies on the seaweeds. 2. On the amino acids of *Ulva pertusa*, *Enteromorpha linza*, and *Enteromorpha linza* var. *crispata*. (In Japanese.) Hokkaido U. Facul. Fisheries. B. 1:77-80. Feb. 1951. 414.9 H682
- English summary.
- 81823 VALLANCE, K. B., and COULT, D. A. The composition of the gas contained in the vesicles of *Fucus vesiculosus*. Ann. Bot. (n.s.) 15:409-416. Ref. July 1951. 450 An7
- 81824 WEBER, F. *Impatiens*-nektar. Phytion 3:110-111. 1951. 450 P565
- 81825 WICK, A. N., BLACKWELL, M. E., and HILL-YARD, N. Biosynthesis of radioactive sugars using cantaloupe leaves. Arch. Biochem. & Biophys. 32:274-277. July 1951. 381 Ar2

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

- 81826 ALAZRAQUI, J. M. Principales características físico-botánicas de una buena semilla. Res 19: 26129-26130. July 20, 1951. 286.85 R31
- 81827 ANDREAE, Wechselwirtschaften auf hochmoor. Landwirtsbl. Weser-Ems 98:545. June 21, 1951. 18 L2345
- 81828 BARRETT, A. E. Some aspects of illustration Station work as it relates to farm production in Ontario. Ontario Crop Impr. Assoc. Addresses & Proc. 13:53-57. 1951. 64.9 On83
- 81829 BERENDES, P. Die durchführung der fruchfolgen unter ackerbaulichen gesichtspunkten gesehen. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1253-1254. Aug. 30, 1951. 18 L2346
- 81830 BERENDES, P. Vom saatgutzüchter zum saatgutambauer. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1059. July 19, 1951. 18 L2346
- 81831 BRANDSCH, F., and KLAENFOTH, P. Sortenratgeber durch streuversuche. Neue Mitt. f. die Landwirt. 6:229-230. Apr. 14, 1951. 18 N39
- Field crops.
- 81832 COOK, M. F. Progress in the North. Ontario Crop Impr. Assoc. Addresses & Proc. 13:39-44. 1951. 64.9 On83
- 81833 ECKHOFF, Hinweise für die saatgutqualitätsverbesserung. Hannoversche Land- u. Forstwirt. Ztg. 104:561-562. June 16, 1951. 18 H194
- 81834 ENGELBERTINK, B. A. A. A., and SCHEEPERS, J. H. Plantenteelt; gewassen voor de zanden veenkoloniale gronden [Plant culture; plants for sandy soils and the fen colonies]. Ed. 8. Leidraad v. het Land- en Tuinbouwonderwijs (ser. A) 12, 119 p. 1950. 12 L62
- 81835 FLESLAND, A. Report—Minnesota Crop Improvement Association Seed Laboratory. Minn. Seed Grower 24(3):2-3. June 1951. 61.8 M66
- 81836 FRANCE. INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE. Travaux effectués en 1949 par les stations agronomiques. Paris, 1950. 133 p. Ref. 105.3 F845
- 81837 KÜPPER, F. Die "landwirtschaftlichen folgeeinrichtungen." Wasser u. Boden 3:97-100. May 1951. 56.8 W28
- 81838 MACINTOSH, A. C. New methods to restore historic Cape farms. Veldtrust 12(5):22-23, 31. May 1951. 56.8 V54
- Rotation of crops.
- 81839 MALMUS, H. Stoppel- und winterzwischenfruchtbaurechtzeitig planen! Hannoversche Land- u. Forstwirt. Ztg. 104:585. June 23, 1951. 18 H194
- 81840 MANITOBA AGRONOMISTS. Annual conference, December 13, 14 and 15, 1950. Ft. Garry, 1950. 62 p. 64.9 Ag8
- 81841 MORALES, C. Sobre la rotación de cultivos. Pampa Argentina 24(280):19. Apr. 1951. 9 P19
- 81842 ONTARIO CROP IMPROVEMENT ASSOCIATION. Addresses and proceedings, West Annex. Coliseum, Exhibition Park, Toronto, January 15, 16, 17, 1951. Ontario Crop Impr. Assoc. Addresses & Proc. 13, 176 p. 1951. 64.9 On83
- 81843 PORSE, O. Results from crop culture and fertilizer experiments. (In Swedish.) Lantbrtidskr. f. Dalarna 2:55-54. Apr. 1951. 11 L29
- 81844 RANNINGER, R. Die rahmenfruchtfolge für das trockengebiet. Pflüg 4:82-83. Apr. 1951. 19 P48
- Austria.
- 81845 RUSSCHEN, J. Test field results 1951. (In Dutch.) Groninger Landbbl. 29(30):2. July 28, 1951. 12 G892
- 81846 SIMPSON, C. V. Know your Minnesota Crop Improvement Association. Minn. Seed Grower 24(3):1, 2. June 1951. 61.8 M66
- 81847 STENTOF, N. C. Prospects for the seed crops, fall 1951. (In Danish.) Tidsskr. f. Frøavl. 20: 246-254. Aug. 1951. 61.8 T43
- 81848 SUCKOW, W. Kartoffeln in der fruchtfolge. Deut. Landwirt. Presse 74:205-206. Aug. 4, 1951. 18 D482
- 81849 WIKLUND, K., and GUSTAFSSON, N. E. The research work at Umeå agricultural school and Stenfors. (In Swedish.) Vasterbotten 3:70-76. May 1950. 11 V442
- Variety tests of peas, rye, potatoes and forage plants.

Cereals

- 81850 ÅKERMAN, Å. Fünfzig jahre weizenzüchtung in Schweden. Z. f. Pflanzenzücht. 29:346-365. Mar. 1951. 450 Z36
- 81851 ANGULO-BUSQUETS, M. Ensayos con híbridos americanos de maíz en 1950. Spain. Cons. Super. de Invest. Cient. Estac. Expt. de Aula Dei. An. 2:204-209. 1951. 506 Sp132
- English summary.
- 81852 ARONOVITCH, I., and KOSTRINSKY, Y. Results of barley variety trials. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:331-352. Dec. 1950. 107 J552
- Abridged English translation, p. 81-82.
- 81853 ATKINS, I. M. Mustang oats. Tex. Livestock J. 10(8):8-9, 68, 70. Aug. 1951. 49 T29
- 81854 ATKINS, I. M. Small grain variety tests. Tex. Livestock J. 10(9):8, 24. Sept. 1951. 49 T29
- 81855 BARROS, P. P. DE. Details of rice culture. (In Portuguese.) Agr. e Pecuaria 22(332):35, 66. May 1951. 9.2 Ag89
- 81856 BELL, G. D. H. Barley breeding and related researches. Inst. Brewing. J. 57:247-260. July/Aug. 1951. 390.9 In7
- 81857 BJAUNES, M. Factors to be considered in the selection of grain varieties. (In Norwegian.) Norsk Landbr. 17:124-127. Mar. 30, 1951. 11 N8122
- 81858 BLECHSCHMIDT, H. Maisanbau wieder sehr gefragt. Hannoversche Land- u. Forstwirt. Ztg. 104:386. Apr. 28, 1951. 18 H194
- 81859 BCNIFAZ, E. Algunos datos provisionales sobre un ensayo de hibridación de trigo. B. de Inform. Cient. Nac. 3:436-440. Jan./Feb. 1951. 475 B633
- 81860 BRUN, L. H. What varieties of grain ought to be grown? (In Norwegian.) Landbrukstidende 57:343-345. May 2, 1951. 11 L236
- 81861 CANOZ, C. Ébauche de classification pratique des riz cultivés en Casamance. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(2):14-33. 1951. 515 C762C
- 81862 CELIDONIO, C. American hybrid corn in Piedmont. (In Italian.) Cron. Econ. 101:16-21. May 1951. 280.8 C882
- 81863 CHEVALIER, R., DENOY, I., and BENOIST, M. Rizière Expérimentale du Merle, 1950. Prog. Agr. et Vitic. 136:35-43, 65-70, 86-93. (Cont.) July 15/22-Aug. 5/12, 1951. 14 P94
- 81864 COFFMAN, F. A. Some observations on oats in 1950. Natl. Oat Newslet. 1:9-11. Feb. 1, 1951. 59.9 N217
- 81865 COOLEY, J. A bushel is enough to leave. Breeder's Gaz. 116(8, i.e. 9):9, 34. Sept. 1951. 49 B74
- Harvesting corn.
- 81866 DAMGAARD, F. K. Harvesting of the crop. (In Danish.) Husmandshjemmet 33:11. Aug. 14, 1951. 11 H963
- Grain.

- 81867 DERICK, R. A. Proven and promising varieties of cereal crops. Ontario Crop Impr. Assoc. Addresses & Proc. 13:93-97. 1951. 64.9 On83
- 81868 DE WET, J. D., and VAN VUREN, J. P. J. Increase the maize yield per morgen. Farming So. Africa 26:231-235. July 1951. 24 So842
- 81869 DU COURTIL, A. Comment recolter le maïs hybride grain. Vie à la Campagne 40:319-321. Sept.1951. 80 V67
- 81870 DUNGAN, G. Get every ear. Breeder's Gaz. 116(8,i.e.9):9,32. Sept.1951. 49 B74
- 81871 DUONG-HUU-THOI. Nouvelle methode d'hybridation du riz. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(2):37-43. Ref. 1951. 515 C762C
- 81872 EARNSHAW, F. Trials of spring barley varieties Earl and Plumage-Archer 1943, 1942-1948. Natl. Inst. Agr. Bot. J. 5:430-437. 1950. 103 N21J
- 81873 ELGUETA GUERIN, M. Nueva variedad de trigo. Agrario 15(424):13-14,31. May 1951. 9.3 Ag85
- Vigo, created at Purdue University.
- 81874 ERWIN, A. T. Sweet corn—mutant or historic species? Econ. Bot. 5:302-306. July/Sept.1951. 450 Ec7
- 81875 GARDNER, H. W., and HUTCHINSON, J. B. Variety and manurial trials with winter oats in Hertfordshire. Gt. Brit. Min. Agr. Agriculture 58:208-216. Aug. 1951. 10 G79J
- 81876 GUALBA, C. El sorgo como planta de secano. Cult. Mod. 34:219. June 1951. 15 C89
- 81877 HIESS, H. Anbau von körnermais hilft kraftfutterlücken schließen. Pflug 4:96. Apr.1951. 19 P48
- 81878 HOFFMANN, W. Erfolge und gegenwärtiger stand der Hallenser arbeiten zur kombinationszüchtung bei getreide. Z. f. Pflanzenzücht. 29:318-345. Ref. Mar. 1951. 450 Z36
- 81879 JONES, I. K. This is the almost unbelievable story of selection and development of cereals in the U.S.S.R. Seed World 69(4):8-9,36-37. Aug.17,1951. 61.8 Se52
- 81880 KOLBÉ, F. Rice cultivation in South Africa. Farming So. Africa 26:181-183,193. June 1951. 24 So842
- 81881 LADISH, H. N. Improving midwestern barley; report to the USBF on the work of the Midwest Barley Improvement Association and the Malt Research Institute. Amer. Brewer 84(9):43-44,46. Sept.1951. 390.8 Am3
- 81882 LAMB, C. A. Protect your wheat market—grow the proper variety. Ohio Farmer 208(5):22-23. Sept.1,1951. 6 Oh3
- 81883 LARUE, W. C. He made nearly 50 bushels wheat per acre. Prog. Farmer, Carolinas-Va. Ed. 66(9):19,132. Sept.1951. 6 P945
- 81884 MCCULLOCH, R. N., MCKEOWN, N. R., and SUTER, D. D. The 1950 cereal harvest at Roseworthy College. So. Austral. Dept. Agr. J. 54:495-501. May 1951. 23 So84
- 81885 MACINDOE, S. L. Contributions of agricultural research in crops. I. Cereals. Austral. Inst. Agr. Sci. J. 17:67-76. June 1951. 23 Au74
- 81886 MANN, D. H. Artificial fog helps Pocatello Valley farmers ward off frosts from the wheat fields. Utah Farmer 71:649,665. Aug.16,1951. 6 D45
- 81887 MARTIN, W. W. Plant wheat by the thermometer; a report on when and what to sow in the Intermountain region. West. Farm Life 53(17):8-9. Sept.1,1951. 6 R153
- 81888 MENGENSEN, F. GRAF. Die wirkung der inzucht auf verschiedene merkmale beim roggen (Secale cereale L.). Z. f. Pflanzenzücht. 30:218-249. Ref. June 1951. 450 Z36
- 81889 MERTENS. Wie bewältigt man lagergetreide? Landwirtsbl. Weser-Ems 99:672-674. Aug.2,1951. 18 L2345
- Harvesting.
- 81890 MEULEN, J. G. J. VAN DER. Rice improvement by hybridization and results obtained. Landbouw [Bogor] 23:17-59. Jan./Mar.1951. 22.5 L23
- Text also in Malay.
- Also in Organ. Sci. Res. Indonesia. O. S. R. News 3:112. May 1951. 330.9 Or3Ae
- 81891 MIEGE, E. Les céréales en Afrique du Nord. Le maïs et le sorgho. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 31:137-158. Mar./Apr.1951. 26 R323
- 81892 MIEGE, E. Un nouveau succès de l'agriculture au Maroc; la riziculture. Inform. Marocaine 545:1-2. June 23,1951. 281.8 In3
- 81893 MILAM, F. M., WATKINS, J. M., and ARGUETA, J. M. Investigación sobre el maicillo en El Salvador. Cent. Nac. de Agron. B. Tec. 6,22 p. Ref. Feb.1951. 8 Sa54B
- 81894 MITRA, A. K., and others. Cultivation of deep water paddies in U. P. United Prov. Dept. Agr. B. 96,6 p. 1950. 22 N81
- P. S. Gupta, S. S. Gupta, and K. M. Srivastava, joint authors.
- 81895 MONNIER, F. La culture du blé dit "des Pharaons." Rev. Agr. de l'Afrique du Nord 49:563. July 27,1951. 80 R326
- 81896 MORALES GORLERI, A. La variedad de maíz Colorado casilda M. A. (ha muerto su creador Silvio Spangenberg). Pampa Argentina 24(280):13. Apr.1951. 9 P19
- 81897 MORAN, C. H., and WYMAN, O. L. Growing oats in Maine. Maine. Agr. Col. Ext. C. 267,6 p.-folder. Mar.1951. 275.29 M281C
- 81898 MORIMOTO, I. On the yielding efficiency of paddy rice in Japan. (In Japanese.) Hyogo Prefectural U. Agr. Mem. 1,55 p. Oct.1950. 107.6 H67
- English summary.
- 81899 MULLINS, T. Farm management aspects of variety selection in rice production in Louisiana. Rice J. 54(9):8-10. Sept.1951. 59.8 R36
- 81900 NATIONAL OAT CONFERENCE. National oat newsletter, v. 1, 1950. Ithaca,1951. 48 p.
- 81901 PAL, B. P. New wheats for old. Indian Farming (n.s.)1(1/2):12-13,22-23,27. Apr./May 1951. 22 In283
- Wheat varieties and breeding.
- 81902 PIACCO, R. Varieties of rice grown in Italy. (In Italian.) Riscicoltura 39:34-43,60-70,88-114. (Cont.) Feb.-Mar.-Apr./May 1951. 59.8 G43
- 81903 PIELEN, L. Zum anbau von hybridmais. Landwirt. Z. der Nord-Rheinprov. 118:482-483. June 2, 1951. 18 L2344
- 81904 PRINCE, A. B. Effect of plant spacing and nitrogen fertilization on the yields and protein and zein content of three corn varieties. (Abs.) Assoc. South. Agr. Workers. Proc. 48:141. 1951. 4 C82
- 81905 RASTEN, J. Culture of green feed corn. (In Norwegian.) Norsk Landbr. 17:127-129. (Cont.) Mar. 30,1951. 11 N8122
- 81906 RATTRAY, R. G. H. Maize; hints for the new farmer. Rhodesia Agr. J. 48:123-123. Mar./Apr.1951. 24 R34
- In Southern Rhodesia.
- 81907 RIETZ, B. G. DU. Fall wheat or spring wheat? (In Swedish.) Lantmannen 35:627-628. Aug.18, 1951. 11 L234
- 81908 RITTERSHAUS, W. Buchweizen oder zwischenfutterbau? Kärntner Bauer 101:435. July 28,1951. 19 K14
- 81909 SANCHEZ-MONGE, E., and VILLENA, L. M. Variedades de barba lisa entre los trigos españoles. Spain. Cons. Super. de Invest. Cient. Estac. Expt. de Aula Dei. An. 2:210. 1951. 506 Sp132
- English summary.
- 81910 SCOTT, I. Sowing your certified oats. New Eng. Homestead 124(17):30-31. Sept.8,1951. 6 N442
- 81911 SWINBANK, J. C. Check your wheat. Nebr. Farmer 93(16):22-23. Aug.18,1951. 6 N27
- Cleaning and treating seed wheat.
- 81912 THOMAS, I. New cereal varieties in Australia. West. Austral. Dept. Agr. J. (ser.2)28:32-33. Mar.1951. 23 W52J
- 81913 THOMAS, I., and WATSON, E. R. Wheat variety trials on research stations, 1950. West. Austral. Dept. Agr. J. (ser.2)28:39-48. Mar.1951. 23 W52J
- 81914 THOMPSON, E. G., and BELL, R. A. M. Trials of the spring barleys: Freja, Balder, H.H.11/10 Cult 6, Rigel and Ymer in the years 1946/1949. Natl. Inst. Agr. Bot. J. 5:417-429. 1950. 103 N21J
- 81915 VAN ROOYEN, J. H. Maize yield problem solved; cost of production lowered by system followed by Western Transvaal grower on private pilot farm. Farmer's Wk. [Bloemfontein] 81:10-11. July 11,1951. 24 F225
- Advantages of planting rows seven feet apart.
- 81916 WARD, D. J. World collection of oats. Natl. Oat Newslet. 1:11-12. Feb.1,1951. 59.9 N217
- 81917 WIDAKAS, W., BRIGGLE, L. W., and WIDDI-FIELD, R. B. 1950 hybrid corn field trials. N. Dak. Agr. Expt. Sta. Agron. Mimeog. C. 83,25 p. Jan.1951. 100 N813A

Fiber Crops

- 81918 BAGGE, H., and LARSEN, A. Experiments with hemp. Variety, culture, fertilizing and liming experiments 1941-1948. (In Danish.) Tidsskr. f. Planteavl 54:628-685. 1951. 11 T439
- 81919 BRAUN, R. Amazonien—land der zukunft? Kosmos 47:268-272. June 1951. 474 K842
Includes jute.
- 81920 CANOVAS CLEMENTE, A. El algodonoero. Cult. Mod. 34:217-218. June 1951. 15 C89
Culture in Spain.
- 81921 CRESPO, J. A. Requiere experiencia el cultivo del formio. Mundo Agr. 3(25):100-101. June 1951. 9 M92
- 81922 ELLIOTT, F. C. Texas defoliation guide—1951. Cotton Gin & Oil Mill Press 52(18):15. Sept. 1, 1951. 304.8 C822
- 81923 EMPIRE COTTON GROWING CORPORATION. Report of the thirtieth annual general meeting. Arbroath, 1951. 8 p. 72.9 G79R
- 81924 HAARER, A. E. Further notes on kenaf. World Crops 3:351-352. Ref. Sept. 1951. 281.8 W892
- 81925 HAMNER, A. L. Cotton fruiting in relation to insect control. (Abs.) Assoc. South. Agr. Workers. Proc. 48:96. 1951. 4 C82
- 81926 JONES, D. L., and BOX, J. Planting each row of cotton as compared with planting two and skipping one. Tex. Agr. Expt. Sta. Prog. Rpt. 1384, 3 p. July 7, 1951. 100 T31P
- 81927 KERR, T. Transference of lint length and strength into upland cotton. (Abs.) Assoc. South. Agr. Workers. Proc. 48:159-160. 1951. 4 C82
- 81928 LHULLIER, M. Cultures et recherches cotonnières en Afrique Noire. Marchés Colon. 7:2017-2020. July 28, 1951. 286.8 M33
- 81929 LUNA ERCILLA, C. A. El cultivo del cadillo. Pampa Argentina 24(281):2. May 1951. 9 P19
- 81930 MARTIN LYNCH, A. Análisis de los factores determinantes del éxito del cultivo de algodón en el valle de Chicama. Mensajero Agr. 61:40-44. May 1951. 9.8 M52
- 81931 MOLESTINA O., E. Cultivo y producción de algodón en Manabí, Los Ríos, Guayas e Imbabura. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(66):26-40. (Cont.) Apr./June 1951. 9.5 M31
Includes figures for costs.
- 81932 REPP. Zum anbau von faserpflanzen im alpenraum. Landwirt. Jahrb. f. Bayern 28(5/6):102-107. May/June 1951. 18 L24
- 81933 RICHMOND, T. R. Breeding methodology with interspecific derivatives. (Abs.) Assoc. South. Agr. Workers. Proc. 48:160. 1951. 4 C82
Cotton.
- 81934 RODRIGUEZ GONZALEZ, H. El cultivo del algodonoero en Tenerife. Siembra [Madrid] 7(2):9-11. Feb. 1951. 15 S11
- 81935 SINGH, S. D. Cotton improvement work in India during the past 25 years. Indian Cotton Textile Indus. 1950:57-59. 304.8 In22
- 81936 STAFFORD, T. J., and HENDERSON, M. T. The inheritance of strength in upland cotton. (Abs.) Assoc. South. Agr. Workers. Proc. 48:161. 1951. 4 C82
- 81937 SUMMERVILLE, W. A. T. Contributions of agricultural research in crops. 5. Warm climate crops. Austral. Inst. Agr. Sci. J. 17:85-89. June 1951. 23 Au74
Cotton, tobacco, sugar, and peanuts.
- 81938 THAXTON, E. L., JR., JONES, D. L., and RAY, L. L. Cotton defoliation tests at Lubbock, 1950. Tex. Agr. Expt. Sta. Prog. Rpt. 1382, 4 p. July 6, 1951. 100 T31P
- 81939 WARE, J. O. Variedades de algodón especiales para la recolección mecánica. Hacienda 46(9):50-51, 74, 76, 78. Sept. 1951. 6 H11

Forage Crops and Grasses

- 81940 ALBRECHT, R. Wonder grass, it's vigorous, and high in protein forage. Prairie Farmer, Ill. Ed. 123(17):30-31. Sept. 1, 1951. 6 P883B
Bromus culture and varieties.
- 81941 ALEXANDER, E. D. Grazing crops in Georgia. (Abs.) Assoc. South. Agr. Workers. Proc. 48:69-70. 1951. 4 C82
Pasture program.
- 81942 ARNOLD, P. T. D. Keep Florida pastures green. Fla. Dairy News 1(4):14. June 1951. 44.8 F66
- 81943 BAINI, S. Rooting of sulla pasture on newly planted soils. (In Italian.) Agr. Tosc. 6:281-282. Aug. 1951. 16 Ag827

- 81944 BAKER, M. L., and others. Effect of time of cutting on yield and feeding value of prairie hay. Nebr. Agr. Expt. Sta. B. 403, 19 p. Feb. 1951. 100 N27
E. C. Conard, V. H. Arthaud, and L. C. Newell, joint authors.
- 81945 BALDRATI, I. The green miracle of El Alamein. (In Italian.) Humus 7(7):21-22. July 1951. 16 H88
Atriplex spp.
- 81946 BECK, V. S. Vacations for his pastures. West. Farm Life 53(16):8. Aug. 15, 1951. 6 R153
- 81947 BELTRAN MONFERRER, J. M. Aumento de la producción herbácea. B. de Divulg. Ganad. [Ciudad Real] 6(58/60, i.e. 61/63):11-13. Apr./June 1951. 49.9 Sp14
- 81948 BENFORD, H. Rescue grass has a place. Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(9):19. Sept. 1951. 6 P945G
- 81949 BENTLEY, J. R., and TALBOT, M. W. Efficient use of annual plants on cattle ranges in the California foothills. U. S. D. A. C. 870, 52 p. Ref. 1951. 1 Ag84C
- 81950 BERNUTH, W. VON. Unkrautbekämpfung und weidepflege wichtig. Unser Milchvieh 3(6):6. June 1951. 43.8 Un7
- 81951 BODDY, H. Rotation grazing sets the pace. West. Livestock J. 29(43):36, 102-105. July 15, 1951. 6 F2278
- 81952 BRITTINGHAM, W. H., and MORTENSEN, J. A. Varietal differences in shellout percentages in the southern pea, *Vigna sinensis*. (Abs.) Assoc. South. Agr. Workers. Proc. 48:111. 1951. 4 C82
- 81953 BUCKNER, R. C., and FERGUS, E. N. Preferential grazing of spaced plants of tall fescue as a selection procedure. (Abs.) Assoc. South. Agr. Workers. Proc. 48:65-66. 1951. 4 C82
- 81954 BURTON, G. W. Recent developments in pastures in the South. (Abs.) Assoc. South. Agr. Workers. Proc. 48:176-177. 1951. 4 C82
- 81955 BUTLER, E. Crimson clover, East Texas' "magic carpet." I. Prog. Farmer, Tex. Ed. 66(9):15, 136. Sept. 1951. 6 T311
- 81956 CALLANTINE, J. Western wheatgrass (*Agropyron smithii*). S. Dak. Stockgrower 5(7):4. Aug. 15, 1951. 49 So84
- 81957 CARLSON, J. W. Centennial of alfalfa in Utah. Farm & Home Sci. [Utah Sta.] 12:36, 39. June 1951. 100 U11F
- 81958 CARLSSON, H. A small farmer reflects on the pasture problem. (In Swedish.) Ladugården 7:213-214. July 1951. 44.8 L12
- 81959 CASSADY, J. T. Grazing on forest lands in Louisiana. Forests & People 1(2):16-17, 38-41. Ref. July 1951. 99.8 F7628
- 81960 CHAPIN, W. E., HAFENRICHTER, A. L., and LAW, A. G. Performance of strains of *Lotus corniculatus* on the North Pacific Coast. Agron. J. 43:438-442. Sept. 1951. 4 Am34P
- 81961 CHEVALIER, A. Le kudzu (*Pueraria hirsuta*) et quelques autres légumineuses anti-érosives à cultiver dans les pays tropicaux. Rev. Internat. de Bot. Appl. et d'Agr. Trop. 31:159-172. Ref. Mar./Apr. 1951. 26 R323
- 81962 CHEWINGS, G. P. Origin of Chewings fescue. Seed World 69(4):16, 18. Aug. 17, 1951. 61.8 Se52
- 81963 CHIAPPELLI, R. Spring grasses in the rice fields. (In Italian.) Riscicoltura 39:44-45. Feb.-Mar. 1951. 59.8 G43
Varieties and use of forage grasses.
- 81964 CHRESTMAN, J. W. Planning pastures to fit your herd. Kraftsman, Prod. Ed. 9(4):10. July/Aug. 1951. 44.8 K85
- 81965 COOPER, M. M., and DAVIS, A. G. Grazing—when you want it most. Farmers Wk. [London] 35(6):45, 47. Aug. 10, 1951. 10 F2226
Rye, and other cereal crops, for grazing in Great Britain.
- 81966 CORBELLINI, I. Permanent pastures and rotating pastures. (In Italian.) Riv. di Zootec. 24:163-164. May 1951. 49 R52
Work in Brescia, Italy.
- 81967 COTTE, M. Le bersim dans l'alimentation des vaches laitières. Chambre d'Agr. de Casablanca. B. 22(241):9-10. May 1951. 24 C26
Chiefly culture.
Also in Rev. Agr. de l'Afrique du Nord 49:576-577. Aug. 3, 1951. 80 R326

- 81968 CRAWFORD, A. Filling up the bare patches; serious problem on South Island hill country. New Zeal. Farmer 72(11):10-11. July 19, 1951. 23 N484
- 81969 DABADGHAO, P. M. All flesh is grass. Indian Farming (n.s.)1(3):20-21, 31. June 1951. 22 In283 Varieties of grasses and legumes.
- 81970 DAVIES, J. G. Contributions of agricultural research in pastures. Austral. Inst. Agr. Sci. J. 17:54-66. Ref. June 1951. 23 Au74
- 81971 DIETRICH, I. T. Alfalfa varieties. N. Dak. Agr. Col. Ext. C. A-165, 6 p. July 1951. 275.29 N812Sa
- 81972 DIETRICH, I. T. Grass-seed production. N. Dak. Agr. Col. Ext. C. A-139, rev., 8 p. Dec. 1950. 275.29 N812Sa
- 81973 DUTHEN, G. Le ray-grass Italien [*Lolium multiflorum*] dans les Basses-Pyrénées. B. des Engrais 331:92. May 1951. 57.8 B87
- 81974 DYKSTERHUIS, E. J. Use of ecology on range land. J. Range Mangt. 4:319-322. Sept. 1951. 60.18 J82
- 81975 EBERSOLE, J. C. Satisfactory range re-seeding proves no easy job. Sheep & Goat Raiser 31(11):16-17, 40-41. Aug. 1951. 45.8 Sh3
- 81976 ERRICO, P. D'. Première contribution aux expériences entreprises sur les pâturages de montagne dans le Département de Treviso. (In Italian.) Italia Forest. e Mont. 6:114-133. June 1951. 99.8 It12 French summary.
- 81977 FITZGERALD, O. A. Don't try to steal a crop if you want to raise grass seed. Farm J. 75(9):50-52, 54. Sept. 1951. 6 F2212 Culture and harvesting.
- 81978 FORTIN, G. N. Une ferme herbagère du Vermont. Terre de Chez Nous 23(18):8. June 27, 1951. 7 T27
- 81979 FOSTER, D., and KRENZIN, R. Neglected acres yield some of the best pastures for production of cheap beef and milk. Lee County, Iowa, farmers have found ways of putting new life into brushland. Successful Farming 49(9):40-41, 100-102. Sept. 1951. 6 Su12 Lee County's Green Grazing Program.
- 81980 GARDNER, H. H. A grass-legume message to conservationists. Iowa State Watersheds B. 2:11. June 1951. 290.8 Io9
- 81981 GREEN grass of Greenbrier [Valley, W. Va.]. Farm Q. 6(3):51-53, 116-118. Autumn 1951. 6 F2295 Pasture management.
- 81982 GUILLAUME, A. Pourquoi il faut développer la culture du lupin dans l'Union Française. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 31:236-240. Ref. Mar./Apr. 1951. 26 R323
- 81983 HADFIELD, W. V. Developing Wairarapa hill country. New Zeal. J. Agr. 82:483, 485-487, 489-490. June 1951. 23 N48J Pasture management.
- 81984 HARD facts about going to grass. Farm Q. 6(3):54-55, 94, 96. Autumn 1951. 6 F2295
- 81985 HARRISON, C. M. Fall seedlings; take the risk out of seeding grasses and legumes in fall. Hoard's Dairyman 96:648. Aug. 25, 1951. 44.8 H65
- 81986 HAWK, V. B. Tall fescue for trouble spots. Iowa State Col. Agr. Ext. Iowa Farm Sci. 6:27. Aug. 1951. 275.28 Io94
- 81987 HEAD, T. P., and PERKINS, W. R. How to establish and maintain pastures for dairy cattle. Ark. Farmer 53(9):8. Sept. 1951. 6 Ar42
- 81988 HEADY, H. F. Our range management schools. J. Range Mangt. 4:306-307. Sept. 1951. 60.18 J82
- 81989 HELMBRECHT, M. 16 ways to greater dairy profits. Kraftsman, Prod. Ed. 9(4):12-13. July/Aug. 1951. 44.8 K85 Pasture management.
- 81990 HOGG, P. G., and GRISSOM, P. Fescue-Ladino production and fertilization in the Mississippi Delta. (Abs.) Assoc. South. Agr. Workers. Proc. 48:59. 1951. 4 C82
- 81991 HOLMES, W. The intensive production of herbage for crop-drying. III-IV. J. Agr. Sci. 41:64-79. Ref. Jan./Apr. 1951. 10 J822 III, The effect of the continued application of nitrogenous fertilizers to grassland; IV, The effect of massive applications of nitrogen with or without phosphate and potash on the yield of grassland herbage.
- 81992 HOLT, E. C., POTTS, R. C., and KAPP, L. C. Yield and chemical composition of cool season grasses grown with and without crimson clover. (Abs.) Assoc. South. Agr. Workers. Proc. 48:58-59. 1951. 4 C82
- 81993 HUBER, W. Zur förderung des futterbaues; die sommertagung 1951 in der Linthebene. Grüne 79: 795-802. July 20, 1951. 17 Sch9
- 81994 JOHNSON, R. G. Range education. J. Range Mangt. 4:315-318. Sept. 1951. 60.18 J82
- 81995 JULANDER, O. Utah's big game, livestock, and range relationship research project. J. Range Mangt. 4:330-334. Sept. 1951. 60.18 J82
- 81996 KARSTEN. Winke für den rinderzüchter zum bevorstehenden weideanstrieb. Hannoverische Land- u. Forstwirt. Ztg. 104:416. May 5, 1951. 18 H194
- 81997 KILLIAN, C. Nouvelles observations sur les conditions édaphiques et les réactions des plantes indicatrices dans des réserves de pâturages de la région Alfatière Algérienne. Algeria. Inst. Agr. Ann. 5(3), 36 p. Ref. Apr. 1950. 108 AL35
- 81998 KILLINGER, G. B. Controlled burning of native and improved grasses assist in establishment and maintenance of winter and summer legumes. (Abs.) Assoc. South. Agr. Workers. Proc. 48:57-58. 1951. 4 C82
- 81999 KLAPP, E. Weideregeln verbesserungsbedürftig. Neue Mitt. f. die Landwirt. 6:505-506. Aug. 4, 1951. 18 N39 Germany.
- 82000 KNOX, J. H., and others. Research on the College Ranch; a review of results from experiments in range management, nutrition of range cattle, beef cattle production. N. Mex. Agr. Expt. Sta. B. 359, 32 p. Feb. 1951. 100 N465 W. E. Watkins, M. Koger, and K. A. Valentine, joint authors.
- 82001 KÖNEKAMP, A. H. Grünlandwirtschaft und Futterbau—als ganzes gesehen. Landwirt. Jahrb. f. Bayern 27(sup.):36-65. July 1950. 18 L24
- 82002 LAMASTER, J. P. Review of pasture programs in the South. (Abs.) Assoc. South. Agr. Workers. Proc. 48:90-91. 1951. 4 C82
- 82003 LANZA, F. Culture of second generation hybrid dent corn for forage. (In Italian.) Italia Agr. 88: 362-367. June 1951. 16 It1
- 82004 LAUMONT, P. Produisez de la vesce-fourrage. Algeria. Insp. Gén. et Dir. de l'Agr. Doc. et Enseign. Agr. B. 2, 4 p. 1950. 24 AL34
- 82005 LECHNER, L. Die topinambur als grünfütterpflanze. Z. f. Pflanzenbau u. Pflanzenschutz (n.s.):2:85-92. 1951. 464.8 P88
- 82006 MACKAY, J. W. Should a co-ordinated plan be developed for the multiplication of improved varieties of forage crop seeds? Ontario Crop Impr. Assoc. Addresses & Proc. 13:87-92. 1951. 64.9 On83
- 82007 MCKEON, B. F. Ley farming. Victoria. Dept. Agr. J. 49:241-247. June 1951. 23 V66J
- 82008 MADSEN, A. Common saeter for goat. (In Norwegian.) Landbrukstidende 57:290. Apr. 11, 1951. 11 L236
- 82009 MARCÓ, C. M. Descripción parcial del Departamento Gualeguay (Provincia de Entre Rios) desde el punto de vista de su producción forrajera. Darwiniana 9:188-224. Ref. 1950. 450 D25
- 82010 MARKI, H. Einiges über die landwirtschaft und den futterbau in Südbaden (Deutschland). Grüne 79: 802-807. July 20, 1951. 17 Sch9
- 82011 MINOR, W. A. Grass puts the prod in production. Washington, U. S. D. A. Off. Sec., 1951. 9 p. 1.91 A2M66 Talk at Southwestern Indiana Grassland Field Day, Aug. 21, 1951.
- 82012 MOON, G. The American Society of Range Management South Dakota Section. S. Dak. Stockgrower 5(5):9. June 15, 1951. 49 So84
- 82013 MOON, G. A problem in range fires on the fringes of the Black Hills. S. Dak. Stockgrower 5(5):6. June 15, 1951. 49 So84
- 82014 MYERS, W. M. Grassland farming in the Netherlands. Beltsville, U. S. Bur. Plant Indus., Soils, & Agr. Engin., 1951. 3 p. 1.965 F2M99 Abstract of paper presented at meeting of the Association of Southern Agricultural Workers, Feb. 5-7, 1951, Memphis.
- 82015 MYERS, W. M. Why grassland farming? Beltsville? U. S. Bur. Plant Indus., Soils & Agr. Engin., 1951. 13 p. 1.965 F2M99 Address at the Grasslands Meeting, State College, Pa., Feb. 20, 1951.
- 82016 NEWELL, L. C. Controlled life cycles of brome grass, *Bromus inermis* Leyss., used in improvement. Agron. J. 43:417-424. Ref. Sept. 1951. 4 Am34P
- 82017 O'KEEFFE, P. Strip grazing. Agr. Ireland 8:188-189. Aug. 1951. 10.5 Ag8
- 82018 OLDERSHAW, A. W. Lupins for sandy land. Gt. Brit. Min. Agr. Agriculture 58:237-242. Aug. 1951. 10 G79J

- 82019 OPITZ, Ü. Über erfahrungen beim anbau von serradella. *Neue Mitt. f. die Landwirt.* 6:296. May 12, 1951. 18 N39
- 82020 PALMER, P. There's still gold in the Mother Lode. *West. Livestock J.* 29(43):61,73. July 15, 1951. 6 F2278
- Pasture improvement on a ranch in Placer County, California.
- 82021 PANTANELLI, E. La coltura delle foraggiere nel mezzogiorno d'Italia [Culture of forage plants in the South of Italy]. *Ente per lo Sviluppo della Irrig.* [P.] 2, 56 p. 1950. 54.9 En8
- 82022 PAUL, H. Le mélilot. *Rev. Franç. d'Apic.* (ser.2)63:524. Mar.1951. 424.8 R329
- Melilotus.
- 82023 PHIFER, B. M. It doesn't cost to improve pasture—it pays! *Mo. Rur.* 92(16):8. Aug.25, 1951. 6 R8891
- 82024 POTTS, R. C. Growing pastures in high rainfall belt of Texas. *Hoard's Dairyman* 96:684-685. Sept. 10, 1951. 44.8 H65
- 82025 ROBB, R. L. A new approach to veld management. *Farmer's Wk. [Bloemfontein]* 81:10-11,13,15. July 18, 1951. 24 F225
- Union of South Africa.
- 82026 ROGERS, A. Putting range management facts to work. *J. Range Mangt.* 4:327-329. Sept.1951. 60.18 J82
- 82027 ROSEVEARE, G. M. The International Grassland Congress and grassland societies. *Arch. Fitotec. del Uruguay* 4:217-219. 1950. 102.5 Ur8A
- 82028 SANDLER, G. Die pflege des grünlandes. *Allgäuer Bauernbl.* 19:409-410. Aug.2, 1951. 18 AL53
- 82029 SCHUBERT, A. Der klee als bienenweide. *Deut. Bienenztg.* 6:83-86. June 1, 1951. 424.8 D488
- 82030 SEILER, R. Internationaler alpwanderkurs 1951, Schweiz—Österreich—Bayern. *Auf der Alpe* 8:55-60. Aug.1951. 18 Au3
- 82031 SHOOP, M. C. Tall wheatgrass [*Agropyron elongatum*]. *Wyo. Range Mangt.* 40,6 p. Oct.1951. 60.19 W99
- 82032 SHUTTLEWORTH, D. Fodder from the top few inches; properly managed spineless cactus doubles Karoo grazing while improving veld; fescue grass binds river banks. *Farmer's Wk. [Bloemfontein]* 81:10-11,13. June 20, 1951. 24 F225
- 82033 SIMON, U. Über die botanische zusammensetzung von heuproben aus dem nördlichen teil des Alpenvorlandes (Schwaben, Landkreis Mindelheim). *Z. f. Pflanzenschutz* (n.s.)2:68-82. 1951. 464.8 P88
- 82034 SLANGER, B. Montana's range grasses. 1-3. *Mont. Stockgrower* 23(4):14; (5):75; (7):11. Apr.15-May 15, July 15, 1951. 49 M76
- 82035 SMITH, L. H. From grass to milk. *North. Farms News* 13(5):5. May 1951. 280.28 N815
- Forage planting and silage.
- 82036 SPIES, P. Hohe grünlanderträge. *Neue Mitt. f. die Landwirt.* 6:259-260. Apr.28, 1951. 18 N39
- Germany.
- 82037 TAYLOR, N. L. Companion grass as a factor in red clover seed yields in Kentucky. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:53. 1951. 4 C82
- 82038 TELECHKINA, T. M., and PALAMARCHUK, I. A. Improvement of reindeer pastures. (In Russian.) *Karakulevodstvo i Zverovodstvo* 3(6):40-43. Nov./Dec. 1950. 49 K14
- 82039 THOMASSON, R. R. Big boost for Missouri pastures. *Sealtest Dairyman* 5(4):2-3. July/Aug.1951. 44.8 Sel
- 82040 THOMPSON, W. R. Get busy on pastures. *Prog. Farmer, Miss.-Ark.-La. Ed.* 66(9):26-27. Sept. 1951. 6 So81
- 82041 TORTI, M. Ladino and Dutch clover. (In Italian.) *Glor. di Agr.* 61:232. July 29, 1951. 16 It1G
- 82042 TRABAUER, Der almwanderkurs auf die almen des wechselgebietes. *Landwirtschaft* 15/16:236-237. Aug.1951. 19 L235
- Austria.
- 82043 UVERUD, H. Improved pastures. (In Norwegian.) *Norsk Landbr.* 17:160-162. Apr.27, 1951. 11 N8122
- 82044 VESTAD, R. Methods for growing timothy seeds. (In Norwegian.) *Norsk Landbr.* 17:163-165,167-190. Ref. Apr.27-May 11, 1951. 11 N8122
- 82045 VICTORIA. DEPT. OF AGRICULTURE. PASTURE BR. Subterranean clover. *Victoria. Dept. Agr.* J. 49:193-202. (Cont.) May 1951. 23 V66J
- 82046 WAGNON, K. A. Range specialist explains differentiation among common affilias as to nutritive values, and soil best suitable for maximum forage. *Calif. Wool-Grower* 27(36):6-7. Sept.4, 1951. 45.8 C12
- 82047 WALKER, A. H. Range judging comes to Texas. *Cattleman* 37(8):76,78,80. Jan.1951. 49 C29
- 82048 WALL, P. F. Careful establishment ensures good winter pastures; simple mixtures and correct grazing management essential to long productive life. *Farmer's Wk. [Bloemfontein]* 81:10-11,13. July 4, 1951. 24 F225
- In South Africa.
- 82049 WALLIN, B. The pasture season for our cattle is approaching. (In Swedish.) *Lantmannen* 35:339-341. Apr.28, 1951. 11 L234
- Pasture management.
- 82050 WHEELER, W. A. Beginning of hardy alfalfa in North America. *Seed World* 69(5):8,10. Sept.7, 1951. 61.8 Se52
- 82051 WIKLUND, K. Permanent and temporary pastures. (In Swedish.) *Västerbotten* 5/6:158-160. Nov. 1950. 11 V442
- 82052 YOUNG, V. A. Opportunities and needs in range management. *J. Forestry* 49:566-569. Aug.1951. 99.8 F768
- 82053 YOUNG, V. A. Teaching range facts—role of the schools. *J. Range Mangt.* 4:312-314. Sept.1951. 60.18 J82
- 82054 ZANINI, E. Selection according to their germination at different temperatures of some specialized types of sulla (*Hedysarum coronarium* L.). (In Italian.) *Humus* 7(7):7-12. July 1951. 16 H88

Oil Crops

- 82055 FOUCHARD, D. Les oléagineux métropolitains. *Agr. Prat.* 115:331-332. (Cont.) July 1951. 14 J82
- Culture and varieties.
- 82056 GAURY, C. La modernisation de la culture de l'arachide aux Etats-Unis. *Cour. Agr.* 16(12):1,4; (13):2. (Cont.) June 6-20, 1951. 24 C83
- 82057 HARTWIG, E. E., JOHNSON, H. W., and CARR, R. B. Border effects in soybean test plots. *Agron. J.* 43:443-445. Sept.1951. 4 Am34P
- 82058 HURWITZ, S., and GOLDIN, E. Introduction of soybean into Israel and its problems. (In Hebrew.) *Jewish Agency Palestine. Agr. Res. Sta. Kivvim* 1:41-76. Ref. Dec.1950. 107 J552
- Abridged English translation, p. 13-17. Chiefly culture.
- 82059 KOZIKOWSKA, J. The cultivation of *Ricinus communis* in Gorzów Wlkp. (In Polish.) *Med. Weter.* 7:390-392. June 1951. 41.8 M463
- 82060 MONCLIN, M. Culture des arachides et motorisation à Madagascar. *Rev. Internatl. des Prod. Colon.* 26:123,125,127-128. June/July 1951. 286.8 R326
- 82061 MOUILHAUD, M. Les principales variétés de colza. *Nord Agr.* 7(40/41):3. Aug.11/18, 1951. 14 N75
- Culture.
- 82062 PARGUEY, G., and THOMAS, M. La culture du colza en Eure-et-Loir. *Potasse* 25:127-130. Sept.1951. 57.8 P84
- 82063 SLIFE, F. W. Pre-harvest drying of soybeans. *Soybean Digest* 11(10):14-15. Aug.1951. 60.38 So9
- Defoliation.
- 82064 WESSELS, J. G. H. Groundnut cultivation in the Western Transvaal. *Farming So. Africa* 26:191-193. June 1951. 24 So842
- 82065 WORMS, P. L'arachide. *Rev. Internatl. des Prod. Colon.* 26:55-57. Mar.1951. 286.8 R326

Sugar Crops

- 82066 ALDROVANDI, A. Research on plant investments with various varieties of sugar beets. (In Italian.) *Indus. Sac. Ital.* 43:186-192. Ref. July/Aug.1950. 65.8 In23
- Studies on planting distance with different varieties of sugar beets.
- 82067 ARMER, A. Why not harvest all your beets. *U & I Cult.* 11(2):4-5. Sept.1951. 66.8 UL12
- 82068 CZECHANOWSKI, G. Aussichten für einzelkornsaat von zuckerrüben. *Neue Mitt. f. die Landwirt.* 6:385-387. June 9, 1951. 18 N39
- 82069 DECOUX, L. La protection des racines de betterave contre le gel. *Inst. Belge pour l'Amélior. de la Betterave.* P. 18:229-254. Nov./Dec.1950. 66.9 In7
- English summary.
- 82070 DESPREZ, V. La betterave sucrière. *Planteurs de Betteraves* 68/69:8;71:2. Mar./Apr., June 1951. 66.9 C762
- France.

82071 DONA DALLE ROSE, A. Aspects of southern beet culture. (In Italian.) *Humus* 7(6):15-18. June 1951. 16 H88 Italy.

82072 GORDON, A. The "duty of rainfall" on sugar cane. *Philippine Agr. Engin. J.*, First Q.1951:43-46. 58.8 Ag88

The amount of water that will mature a crop.

82073 HONERKAMP, F. Meine erfahrungen mit zuckerrübenanbau und -pflege. *Landwirtsbl. Weser-Ems* 98:498-500. June 7, 1951. 18 L2345

82074 MOATTI, P. La culture irriguée de la bette-rave. *Choses vues en Espagne. IV. Rev. Agr. de l'Afrique du Nord* 49:413-419. June 1, 1951. 80 R326

Tobacco

82075 LAUMONT, P., and LAFOND, J. A. L'établissement et la protection des planches à semis; la stérilisation du terrain dans la culture du tabac en Algérie. *Algeria. Inst. Agr. Ann.* 5(4), 24 p. Feb. 1951. 108 AL35

82076 LEMOIGNE. Comment et où naquit la culture du tabac. *Rev. des Tabacs* 26:23-26. Spring 1951. 69.8 R325

82077 PLAIN people grow big tobacco. *Farm Q.* 6(3): 61, 80. Autumn 1951. 6 F22995

Tobacco farming, Lancaster County, Pa.

82078 RETIEF, D. F. Preparation, sowing and care of tobacco seedbeds. *Farming So. Africa* 26:241-242. July 1951. 24 So842

82079 STINSON, F. 70% increase in our yield-per-acre "not an unreasonable objective". *Rhodesian Tobacco J.* 3(7):75-78. July 1951. 69.8 R34

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

82080 AMADO CASTILLO, D., and SAGRERA R., G. Injertos. *Cent. Nac. de Agron. C. Agr.* 35, 4 p. Mar. 1951. 8 Sa 54C

82081 ARNDT, E. Erfahrungen bei der gehölz-entblätterung mit kalkstickstoff. *Deut. Baumsch.* 4:145-146. June 1, 1951. 80 D486

82082 BARTHELET, J. Le Jardin Thuret. *Indus. de la Parfumerie* 6:221-225. June 1951. 308.8 In2 English summary.

Horticultural research under the Ministère de l'Agriculture (Institut National de la Recherche Agronomique).

82083 BIRD, J. J. Our extension horticultural program, Tennessee Horticultural Society. *Tenn. State Hort. Soc. Proc.* 45:13-19. 1950. 81 T25

82084 BOSKOOP, VERENIGING "DE PROEFTUIN." Jaarboek uitgegeven door de Vereniging "De Proeftuin" te Boskoop, Proefstation voor de Boomkwekerij [Year book published by the Association "The Test Garden" at Boskoop. Tree Nursery Experiment Station] 1950. Boskoop, 1950. 104 p. 86 B65

82085 CARLETON, R. M. New discoveries to aid home gardeners. *Horticulture* 29:325, 339. Sept. 1951. 80 H787

82086 COCKER, H. What has led Italian horticulture astray? (In Italian.) *Flora [Milano]* 3:63. Apr. 1951. 80 F6634

82087 COUTINHO, M. Notes on the treatment and keeping of gardens. (In Portuguese.) *Selec. Agr.* 6(63): 49-53. (Cont.) July 1951. 9.2 Se4

82088 EAST MALLING RESEARCH STATION. Annual report (thirty-eighth year), 1950. Maidstone, Kent, 1951. 219 p. 103 Ea7

82089 GEEL, J. D. W. VAN. Tuinbouwnatuurkunde en weerkunde ten dienste van tuinbouwscholen en tuinbouw-vak scholen [Horticultural physics and meteorology for horticultural schools and horticultural vocational schools]. Purmerend, Muusses, 1950? 154 p. 334 G272

82090 GUISCAFRE-ARRILLAGA, J. Métodos comunes de injertos. *Cent. Nac. de Agron. C. Agr.* 41, 16 p. June 1951. 8 Sa54C

82091 HAYDEN, C. J. Some observations of a nurseryman. *Tenn. State Hort. Soc. Proc.* 45:20-22. 1950. 81 T25

82092 INGRAM, H. V. Garden economies. *Country Life [London]* 110:722-733. Sept. 7, 1951. 80 C83

82093 JONES, E. The Department of Agriculture is horticulturally minded. *Tenn. State Hort. Soc. Proc.* 45: 12-13. 1950. 81 T25

82094 KRIECHBAUM. Zweck und bedeutung der gartenbauschulen. *Gart.-Z. Illus. Flora* 74:76-78. July 1951. 80 G1991

82095 LYALL, H. G. The handy cloche. *Mr. Chase's Cloche Gard. Notes*, Aug. 1951:205-208. 80 M69

82096 MACK, B. Das anplatten, ein guter ersatz für das okulieren. *Obst u. Gart.* 6:50. Apr. 1951. 80 Ob75

82097 MARSILY, E. DE. Pour copie non conforme. *Terre d'Occ.* 33:228-232. July 1951. 14 Ar5 Plant breeding.

82098 MAURER, K. J. Wann erfüllt das markenetikett seinen zweck? *Obstbau* 70:39. Mar. 1, 1951. 80 Ob73 Nursery stock.

82099 MERFIELD, A. G. Cloche gardening in N.Z. *Orchardist New Zeal.* 24(6):9, 11, 13-14. July 5, 1951. 80 Or19

82100 OLBRICH, G. Zeitleistungen für gartenbau-unternehmen und in der landschaftsgärtnerei. Ed. 2. *Schreibe f. Friedhof u. Gart.* 1, 32 p. 1951. 80 Sch7

82101 PROFITS at Wayside Gardens. *Fortune* 44(3): 104-106, 148, 151-152, 154, 156. Sept. 1951. 110 F772

82102 READ, F. M. Contributions of agricultural research in crops. 2. Temperate horticulture. *Austral. Inst. Agr. Sci. J.* 17:77-79. June 1951. 23 Au74

82103 ROGGEVEEN, J. Horticultural instruction in the year 1950. (In Dutch.) *Netherlands. Dir. van de Tuinbouw. Meded.* 14:401-406. July 1951. 86 N384

82104 SHEWELL-COOPER, W. E. Budding is easy. *New Health* 26(8):16. Aug. 1951. 449.8 N45

82105 SHEWELL-COOPER, W. E. Gardening as a career; at least a year's practical training must be done, and no amount of work in the laboratory can compensate for it. *Field* 198:151. July 28, 1951. 10 F45

82106 SHEWELL-COOPER, W. E. Some every-day problems; advice to the private gardener on a wide range of subjects from weeding to the meaning of horticultural terms. *Field* 198:259. Aug. 18, 1951. 10 F45

82107 SMITH, A. E. Why I use Chase Coiled Stakes. *Mr. Chase's Cloche Gard. Notes*, June 1951:158-161. 80 M69

82108 SUMMERVILLE, W. A. T. Contributions of agricultural research in crops. 3. Tropical horticulture. *Austral. Inst. Agr. Sci. J.* 17:80-82. June 1951. 23 Au74

82109 TENNESSEE STATE HORTICULTURAL SOCIETY. Proceedings of the forty-fifth annual convention, December 6, 7, 1950. Nashville, 1950. 89 p. 81 T25

82110 VINCENT, S. Pas de vacances pour le jardinier amateur. *Foyer Rur. [Montreal]* 10(10):5, 20. Aug. 1951. 7 F83

82111 WATSON, W. H. The use of cloches in the North during late summer and autumn. *Mr. Chase's Cloche Gard. Notes*, Aug. 1951:199-201. 80 M69

82112 WERTH, A. J. Verwendung von torfen verschiedenen art und nach verschiedener aufbereitung im obst- und gartenbau, in baumschulen und weingärten. *Wasser u. Boden* 3:106-107. May 1951. 56.8 W28

82113 WITTE, K. Frostabwehr durch beregnung. *Hannoversche Land- u. Forstwirt. Ztg.* 104:389. Apr. 28, 1951. 18 H194

Fruits--General

82114 ALDINGER, G. Untersuchungen über wundheilung an unseren obstbäumen. *Obstbau* 70:40-41. Mar. 1, 1951. 80 Cb73

82115 ARNDT, E. Der niederstamm-obstbau am Bodensee. *Bauern-Ztg.* 4(31):8-9. Aug. 3, 1951. 18 B324

82116 BALDASSARI, T. Frutticoltura pratica [Practical fruit culture]. Ed. 3. *Quaderni del Frutticolt.* 2, 146 p. 1951. 86Q2

82117 BODMAN, J. GRAF VON. Wir brauchen gemeinschaftspflanzungen! *Bauern-Ztg.* 4(31):4. Aug. 3, 1951. 18 B324

Fruit planting and orchard cover crops.

82118 BOHL P., C. Como mejorar la fruticultura de los valles de la sierra. *Serv. Coop. Interamer. de Prod. de Aliment. Ser. Inform. Tec.* 59, 8 p. Jan. 1951. 9.8 Se6

Peru. 82119 BONFIGLIOLI, O. Project for planting fruit trees. (In Italian.) *Riv. di Frutticolt.* 13:200-207. July 1951. 80 R52

82120 CARNEVALE, J. A. El injerto de puente. *Pampa Argentina* 24(281):8. May 1951. 9 P19 Fruit.

82121 CATHARY, M. Nécessité de l'étalonnage en arboriculture fruitière. *Rev. Agr. de l'Afrique du Nord* 49:399-400. May 25, 1951. 80 R326

- 82122 CERULIS, A. Reflections at fruit flowering time 1951. Harvest prospects. (In Flemish.) Cult. en Handel 17:445-446. Aug. 1951. 80 C892
- 82123 CHATEL, C. Les bons vergers. Réveil Agr. 60:229-230. Aug. 1, 1951. 14 R322 France.
- 82124 FRENCH, A. P. Making a fruit garden in autumn. Horticulture 29:327,349. Sept. 1951. 80 H787
- 82125 GACHOT, H. Les noms des fruits; promenade étymologique à travers nos vergers. Fruits & Dérivés 13:11-13. First Q. 1951. 389.68 J98 English summary.
- 82126 HAYES, W. B. Let the buyer beware. Allaha-bad Farmer 25:95-97. May 1951. 22 AL5
A warning against the extravagant claims made by fruit nurseries.
- 82127 HENDRIKS, J. W. Fruitteelt in de volle grond [Fruit culture on the open ground]. 1-2. E. L. T. O Serie 27,36. 1950. 12EL8
- 82128 HILL, L. Honor roll for northern adapted fruit. Org. Gard. 19(3):32-33. Sept. 1951. 56.8 Or3
- 82129 INDIANA. PURDUE UNIVERSITY. DIV. OF HORTICULTURE. Fruit varieties for Indiana. Purdue. U. Agr. Ext. B. 365,20 p. June 1951. 275.29 In2Ex
- 82130 KILBUCK, J. H. Improve your cultural practices. West. Fruit Grower 5(8):13. Aug. 1951. 95.8 G762
- 82131 KOCH, J. Die bedeutung der obstverwertung für den erwerbsobstbau. Obstbau 70:37-38. Mar. 1, 1951. 80 Ob73
- 82132 KURZ, J. Der lehrer als pionier des obstbaues. Obst u. Gart. 6:52-53. Apr. 1951. 80 Ob75
- 82133 LECRONE, F. Grow better orchards by planting varieties adapted to your soil and climate. Farmer-Stockman 54(9):10,24. Sept. 1951. 6 Ok45
- 82134 LIEBSTER. Die erste deutsche samenspenderanlage in Quakenbrück. Obstbauberatungsring. Mittbl. 6(2):1-3. Apr. 1, 1951. 85 Ob72
Fruit culture.
- 82135 LIEBSTER. Frostschutz durch räuchern. Obstbauberatungsring. Mittbl. 6(2):5-6. Apr. 1, 1951. 85 Ob72
Fruit protection.
- 82136 LIEBSTER. Unser streben nach qualität. Obstbauberatungsring. Mittbl. 6(3):1-3. June 1, 1951. 85 Ob72
- 82137 LILJEBLAD, A. Some recent fruit and berry varieties. (In Swedish.) Tidskr. f. Hushållsk. och Skogsvårdsstyr. i Gävleborgs Län 26:187-188. 1950. 11 T434
- 82138 MAURER, K. J. Die agrobiologischen grundlagen des obstbaues. Obstbau 70:33-35. Mar. 1, 1951. 80 Ob73
- 82139 MILLIMAN, L. H. Growers get new ideas in orchard tours in Oregon. Better Fruit 46(2):8,16-17. Aug. 1951. 80 B46
- 82140 NORBURY, C. P. Emphasis on marketing: selecting the varieties. Fruit-Grower 2904:287-288. Aug. 23, 1951. 80 F941
Great Britain.
- 82141 PASSECKER, F. Befruchtungsbiologische untersuchungen an Tiroler obstsorten. Obst u. Gart. 6:55-57. Apr. 1951. 80 Ob75
- 82142 POTTER, J. M. S. Report of the National Fruit Trials 1921-1950. II. Roy. Hort. Soc. J. 76:280-293. Aug. 1951. 84 L84J
- 82143 PRATT, A. N. Tree training to lighten pruning costs. Tenn. State Hort. Soc. Proc. 45:61-66. 1950. 81 T25
- 82144 PRENTIS, E. E., and SECRETT, G. A. On this high ground windbreaks are needed. Grower [London] 36:418-419. (Cont.) Sept. 1, 1951. 286.83 M34
Fruit culture.
- 82145 PRIMOST, E. Neues über Englands obstbau. Obst u. Gart. 6:53-55. Apr. 1951. 80 Ob75
- 82146 PUNDERT, D. DE. Is propping up of fruit trees a general cultural measure? (In Dutch.) Fruitteelt 41:498. July 19, 1951. 86 N28
- 82147 ROGERS, W. S., and BEAKBANE, A. B. The effect of netting and hessian anti-frost screens and of brick walls on air temperatures. East Malling Res. Sta. Annu. Rpt. 38:60-64. 1950, pub. 1951. 103 Ea7
- 82148 ROTH, I. Neuere probleme des obstbaues. Orion 6:467-470. June 20, 1951. 474 Or4
- 82149 ROTH, I. Obstbäume sind doppelwesen, wurzel-partner und edelreis. Orion 6:363-365. May 1951. 474 Or4
- 82150 SCHEIL, W. Noch einmal: umveredlungen. Obstbauversring. Mitt. 6:74-78. May 1951. 85 J76
- 82151 SCHÜLE. Fördert die erholung der hagelbeschädigten obstbäume! Württemb. Wchnbl. f. Landwirt. 118:628-629. Aug. 4, 1951. 18 W96
- 82152 SERVE, F. DE LA. Un nouveau procédé de defense contre les gelees. Blé et le Vin 28(1170):4. June 1/15, 1951. 14 B61
Use of growth substances on fruit in France.
- 82153 SHEWELL-COOPER, W. E. More fruit, please. Co-op. Home Mag. 56(8):14. Aug. 1951. 280.28 W563
Culture in England.
- 82154 SPOOR, P. A. Greenhouse fruit culture in the coming weeks. (In Dutch.) Fruitteelt 41:483. July 12, 1951. 86 N28
- 82155 STRAALEN, P. VAN. Fruit growing in the Po plain (Italy). (In Dutch.) Groenten en Fruit 7:51-52. (Cont.) July 26, 1951. 80 G89
- 82156 TEUFFENBACH. Österreichs obstbau und die baumschulen. Obst u. Gart. 6:50-51. Apr. 1951. 80 Ob75
- 82157 TUKEY, H. B. Orchardng, a priceless herit-age. Amer. Fruit Grower 71(9):9,26. Sept. 1951. 80 G85
- 82158 VULLINGS, W. Fruit growing in Limburg must be regenerated. (In Dutch.) Fruitteelt 41:501. July 19, 1951. 86 N28
- 82159 ZANDE, R. V. D. Harvesting, sorting and packaging of greenhouse fruit. (In Dutch.) Groenten en Fruit 6:910-911. June 21, 1951. 80 G89

Fruits--Citrus and Subtropical

- 82160 ALLWRIGHT, W. To plant or not to plant more citrus trees. Citrus Grower 210:3-5. July 31, 1951. 80 C495
Union of South Africa.
- 82161 BITTERS, W. P. Rootstocks affect lemon fruit quality. Citrus Leaves 31(9):11,38. Sept. 1951. 80 C492
- 82162 BOHL P., C. El cultivo del plátano. Serv. Coop. Interamer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr. 21:39-43. (Cont.) Feb. 1951. 9.8 P4352
- 82163 BONNET, P. The olive tree in France. Olive Oil Ybk. 1951:34-36. 307.9 OL4
- 82164 BURNIHAT, ASSAM. CITRUS FRUIT RE-SEARCH STATION. Annual report for the year 1949-50. Shillong, 1950. 17 p. 87 B93A
- 82165 CAZZANIGA, L. The pomegranate (Punica granatum). (In Italian.) Flora [Milano] 3:50-51. Mar. 1951. 80 F6634
- 82166 DELOYE, M. Les agrumes à la Station expérimentale de Riverside (Californie). Rev. Agr. de l'Afrique du Nord 49:584-587. Aug. 10, 1951. 80 R326
- 82167 DU PREEZ, D. Topworking old wild olive trees. Farming So. Africa 26:229-230. July 1951. 24 So842
- 82168 GOOR, A. Whoso keepeth the fig tree shall eat the fruit thereof. (In Hebrew.) Hassadeh 31:393-395. May 1951. 26 H27
- 82169 INSTITUT DES FRUITS ET AGRUMES COLONIAUX. Rapport annuel, 1949. Paris, 1951. 130 p. 86 P21R
- 82170 LAMBOUR M., R. El cultivo del naranjo. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(66):5-13. (Concl.) Ref. Agr./June 1951. 9.5 M31
- 82171 LEON, J. DE. Citrus growing in the Philippines. Agr. & Indus. Life 13(7):6-7,39,43-45. July 1951. 25 Ag8
- 82172 LE ROUX, J. C. The pineapple in South Africa. Farming So. Africa 26:198-202,236-240. June-July 1951. 24 So842
- 82173 MONCIERO. Contribution à l'étude du palmier dattier. Algeria. Inst. Agr. Ann. 5(6), 12 p. Aug. 1950. 108 AL35
- 82174 NIXON, R. W. The date palm—"tree of life" in the subtropical deserts. Econ. Bot. 5:274-301. Ref. July/Sept. 1951. 450 Ec7
- 82175 NUNES, L. G. The olive tree. Olive Oil Ybk. 1951:13-14. 307.9 OL4
- 82176 PY, C. La récolte et le conditionnement des dattes aux Etats-Unis. Fruits et Primeurs de l'Afrique du Nord 21:255. July/Aug. 1951. 80 F9482
- 82177 REBOUR, H. Le greffage du Clémentinier sur triptera [Poncirus trifoliata]. Fruits et Primeurs de l'Afrique du Nord 21:235-236. July/Aug. 1951. 80 F9482
- 82178 RICADA, D. Le problème de la fructification et de la mise à fruits du Clémentinier. Chambre d'Agr. de Casablanca. B. 22(241):11-15. May 1951. 24 C26
- 82179 SAVAGE, Z. Results shown by production records on irrigated & nonirrigated groves. Citrus Indus. 32(9):5,12,17-18. Sept. 1951. 80 C49

- 82180 SILVA, H. J. L. DA. Culture of the coconut. (In Portuguese.) *Gaz do Agr.* 3:86-90. Apr. 1951. 24 G25
- 82181 SIMONNEAU, P. L'orangerie de Perregaux. *Fruits et Primeurs de l'Afrique du Nord* 21:241-244. July/Aug. 1951. 80 F9482
- 82182 THULLBERRY, H. A. Hedging citrus groves saves time; increases production. *Citrus Mag.* 13(13):19 Sept. 1951. 80 C498
- 82183 WAHLBERG, H. E. Wind machines. *Fruit & Veg. Rev.* 13(6):15. Sept. 1951. 80 C1224
- For protection of citrus from frost.

Fruits--Deciduous

- 82184 BARACCO G., A., and BOHL P., C. Rehabilitación de las plantaciones de melocotoneros en la Quebrada del Mantaro [Peru]. Ed. 2. Serv. Coop. Interamer. de Prod. de Aliment. Ser. Inform. Tec. 57, 15 p. Sept. 1950 9.8 Se6
- 82185 BLOM, A. Fruit grower, think of to-day. (In Dutch.) *Betuws Tuinbouwbl.* 9(8):2. July 7, 1951. 80 B464
- 82186 BLOMMERS, J. Care of regrafted trees. (In Dutch.) *Betuws Tuinbouwbl.* 9(8):4-5. July 7, 1951. 80 B464
- Fruit.
- 82187 BONZ, G. Der Ontario-apfel. *Obstbau* 70:103-104. July 1, 1951. 80 Ob73
- 82188 BUSH, R. A terraced peach orchard in Sussex. *Grower [London]* 36:312-313. Aug. 18, 1951. 286.83 M34
- 82189 FOGLE, H. W. Winter hardiness of apricot variety crosses. *West. Fruit Grower* 5(8):11-12. Aug. 1951. 95.8 G762
- 82190 GLASAU, F. Beiträge zur Befruchtungsbiologie der Apfelsorten. *Deut. Baumsch.* 3:126-131. May 1, 1951. 80 D486
- 82191 GRAM, N. Re-grafting of fruit trees. (In Danish.) *Husmandshjemmet* 20:3. May 15, 1951. 11 H963
- 82192 HAAS, DE. Auf dem Wege zu vegetativ vermehrte Birnen-unterlagen. *Deut. Baumsch.* 3:131-132. May 1, 1951. 80 D486
- 82193 HABRAN, R. Le poirier. *B. Hort. (n.s.)* 6:178-181. (Cont.) June 1, 1951. 80 B873
- History.
- 82194 HAUCK, J. F., and WALLER, A. G. Take care of your peaches! *Canad. Grower* 74(7/8):2. July/Aug. 1951. 80 C16
- Harvesting.
- 82195 HEIJKOOP, A. J. Propping up of fruit trees. (In Dutch.) *Betuws Tuinbouwbl.* 9(8):5-6. July 7, 1951. 80 B464
- 82196 HERRERO, J. Studies of compatible and incompatible graft combinations with special reference to hardy fruit trees. *J. Hort. Sci.* 26:186-237. Ref. June 1951. 80 J825
- 82197 HIEMELEERS, J. Fruit growing and marketing in Italy. (In Flemish.) *Tuinbouwberichten* 15:101-102, 104. July 15, 1951. 80 T817
- 82198 HILKENBÄUMER, F. Die unterlagenwahl bei kirschen. *Obstbau* 70:97-98. July 1, 1951. 80 Ob73
- 82199 KARNATZ, H. Die Eignung sortenreiner saaten von Kultursorten für die unterlagenanzucht bei kernobst. *Obstbau* 70:35-37. Mar. 1, 1951. 80 Ob73
- 82200 KARNATZ, H. Über das verschulen von Obst-sämlingen. *Deut. Baumsch.* 4:141-143. June 1, 1951. 80 D486
- 82201 KRUSMANN, Beiträge zur Kenntnis der quit-tensorten. *Deut. Baumsch.* 4:133-136, 143-145. (Concl.) May 1-June 1, 1951. 80 D486
- 82202 LECOYER, M. La taille de formation et de fructification des pommiers et poiriers basses tiges. *Cour. Hort.* 13:294-297, 342-344. June-July 1951. 80 C834
- 82203 MAGILL, W. W. These peaches stand cold best. *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 66(9):24. Sept. 1951. 6 P945K
- Varieties.
- 82204 MANARESI, A. Observations on the root-stocks used for grafting fruit trees in Emilia and Romagna. II. Plums. (In Italian.) *Riv. di Frutticoltura.* 13:157-166. July 1951. 80 R52
- English summary.
- 82205 MATTARELLI, D. Selection of peach varieties. (In Italian.) *Agr. Romagn.* 14:2. July 20, 1951. 16 Ag828
- 82206 MIJDAM, J. Pruning of cherries. (In Dutch.) *Betuws Tuinbouwbl.* 9(8):5. July 7, 1951. 80 B464
- 82207 MINGUZZI, L. A valuable apple, the ReINETTE of Canada. (In Italian.) *Flora [Milano]* 3:51-52. Mar. 1951. 80 F6634

- 82208 MIURA, K. Root systems of apple trees trained to different forms. (In Japanese.) *Hort. Assoc. Japan.* J. 19:245-248. Ref. Dec. 1950. 87 H78
- 82209 MONTANARI, V. Peach culture in Italy. (In Italian.) *Agr. della Venezia* 5:243-247. May 1951. 16 Ag828
- 82210 MOSSE, B., and HERRERO, J. Studies on incompatibility between some pear and quince grafts. *J. Hort. Sci.* 26:238-245. June 1951. 80 J825
- 82211 PLOCK, H. Die myrobale als veredlungsunterlage. *Obstbau* 70:98-100. July 1, 1951. 80 Ob73
- Also in: *Deut. Baumsch.* 4:146-147. June 1, 1951. 80 D486
- 82212 RICCI, A. Peach culture in Ravenna; the Charles Ingouf variety. (In Italian.) *Romagna Agr. e Zootec.* 36(8):1. May 1951. 16 R66
- 82213 ROBIN, F., and BOUIER DE L'ECLUSE, R. Une échelle de végétation du pommier. *Acad. d'Agr. de France. Compt. Rend.* 37:377-380. June 6/13, 1951. 14 P215Bc
- Includes discussion.
- 82214 SCHÖNE, P. Lohnender pfirsichbau! *Bauernztg.* 4(31):11. Aug. 3, 1951. 18 B324
- Germany.
- 82215 SMOCK, R. M. How to preserve the keeping quality of apples. *Rur. New-Yorker* 101:462, 483. Aug. 4, 1951. 6 R88
- 82216 THEIMER, K. Die sudetenrenette - eine wertvolle neuzüchtung. *Obst u. Gart.* 5:161-162. Nov. 1950. 80 Ob75
- Apple variety.
- 82217 U. S. PATENT OFF. Plant patent 1021. Smith, H. F. Peach tree. 2 p., 1 col. pl. July 10, 1951. 156.65 P69
- 82218 VERNER, L., and FRANKLIN, D. F. Apple thinning with blossom sprays. *Idaho. Agr. Col. Ext. C.* 109, 4 p. Mar. 1950. 275.29 Id13C
- 82219 WILSON, J. Peaches and nectarines. *Roy. Hort. Soc. J.* 76:317-322. Sept. 1951. 84 L84J

Fruits--Small

- 82220 ALMEIDA, J. L. F. DE. Grafts. (In Portuguese.) *Frutas da Madeira* 4:140-141. July 1951. 286.83 F9422
- Grapes.
- 82221 BASTELEUS, R. L'ampelographie de l'amateur: autres variétés à raisins noirs. *Cour. Hort.* 13:340-341. July 1951. 80 C834
- 82222 BASTELEUS, R. Le Royal, une des plus belles acquisitions de la viticulture belge. *B. Hort. (n.s.)* 6:163-168, 171. June 1, 1951. 80 B873
- 82223 BAUER, W. Kleine rebsortenkunde. *Osterr. Weinztg.* 6:66. (Cont.) May 25, 1951. 390.8 Os7
- 82224 BELIAEV, S. Gooseberries--into the shelter-belts. (In Russian.) *Les i Step'* 2(12):61-62. Dec. 1950. 99.8 L565
- 82225 BELT, J. B. M. V. D. The Dutch bee pasture. VII. The raspberry. (In Dutch.) *Maandschr. v. Bijenteelt* 53:37. June 1951. 424.9 V58
- 82226 BRANAS, J. Greffages à oeil dormant. *Prog. Agr. et Vitic.* 136:109-113. Aug. 19/26, 1951. 14 P94
- Grapes.
- 82227 BRANAS, J. Lutte contre les gelées. *Bourgignon Vitic.* 77:2. Apr. 1951. 95.8 B66
- 82228 BROWN, J. F. Raspberry and blackberry culture. *Ontario. Dept. Agr. B.* 473, 41 p. Feb. 1950. 101 On8B
- 82229 CADMAN, C. H., and WOOD, C. A. Raspberries in Scotland. *East Malling Res. Sta. Annu. Rpt.* 38:203-208. 1950, pub. 1951. 103 Ea7
- 82230 CAPUCCI, C. Cuttings from two-year-old wood of grapes. (In Italian.) *Riv. di Frutticoltura.* 13:174-194. July 1951. 80 R52
- English summary.
- 82231 CHASE, J. L. H. Strawberries for home gardeners. Mr. Chase's Cloche Gard. Notes, July 1951:179-182. 80 M69
- 82232 COLBY, H. E. Put out some strawberries. *Org. Farmer* 3(2):40-42. Sept. 1951. 57.8 Or3
- 82233 COSMO, I. Directions on viticulture for the production of table grapes in northern Italy. (In Italian.) *Agr. delle Venezia* 5:389-405. (Cont.) Aug. 1951. 16 Ag826
- 82234 COSMO, I. Producing hybrids. (In Italian.) *Glor. di Agr.* 61:234. July 29, 1951. 16 It1G
- Grapes.
- 82235 CROWE, S. M. The cultivation of currants. Mr. Chase's Cloche Gard. Notes, Aug. 1951:202-205. 80 M69

- 82236 DALE, C. J. Berries—black, logan and hybrid. Smallholder 85(2154):8. Aug.31,1951. 10 Sm1
- 82237 DALMASSO, G. The problems of modern viticulture and scientific research. (In Italian.) Ricerca Sci. 21:465-472. Apr.1951. 475 It1
English summary.
- 82238 DALMASSO, G. The problems of viticulture in Valtellina discussed before the Grapes and Wine Academy. (In Italian.) Colt. e Gior. Vinic. Ital. 97:213-214. July 31,1951. 16 C72
- 82239 DRAIN, B. D. The Tennessean strawberry. Tenn. State Hort. Soc. Proc. 45:53-55. 1950. 81 T25
- 82240 EGBERTS, H. Some results of investigations on behalf of the horticultural settlement scheme related to vine-culture. (In Dutch.) Boer en Spade 4:82-87. 1951. 56.9 B64
English summary.
- 82241 EIFERT, V. S. North country berries. Outdoors Illus. 3(5,i.e.3):92-93. May/June 1951. 410 C162
- 82242 FERNANDEZ DE BOBADILLA, G. Importancia de la selección en la viticultura. Siembra [Madrid] 7(2): 5-8. Feb.1951. 15 Si1
- 82243 GABRIEL, P. L'ébourgeonnage de la vigne. Rev. Agr. de l'Afrique du Nord 49:354-355. May 11,1951. 80 R326
Also in Colon Franç. de Tunisie (ser.7)44(2207):1-2. July 28,1951. 24 C712
- 82244 GIESSEN, P. V. D. Planting strawberries. (In Dutch.) Betuws Tuinbouwbl. 9(8):6. July 7,1951. 80 B464
- 82245 GILBERT, F. A. The cultivated highbush blueberry, a relatively new fruit. Gard. J. 1:135-136,154. Sept./Oct.1951. 80 G1635
- 82246 GLEMSER, W. Aus der geschichte des erdbeeranbaues in Württemberg. Obstbau 70:105-106. July 1,1951. 80 Ob73
- 82247 GROENEVELD, C. What has the 1951 culture taught us? (In Dutch.) Betuws Tuinbouwbl. 9(9):5. Aug. 4,1951. 80 B464
Strawberries.
- 82248 GUERDER, G. La taille des vignes gelées. Rev. Agr. de l'Afrique du Nord 49:307-310. Apr.20,1951. 80 R326
- 82249 HILL, H. E. The cultivation and analytical data of blackcurrants and raspberries in Tasmania. J. Sci. Food & Agr. 2:347-350. Aug.1951. 382 So12
- 82250 JUSCAFRESA, B. Las podas del viñedo. Ceres [Valladolid] 16(179):17-18. May 1,1951. 15 C33
- 82251 KEMP, W. S. Auckland loganberry garden. New Zeal. J. Agr. 82:513-514. June 1951. 23 N48J
- 82252 KNIGHT, L. J. Is it a gamble? Outside chances with soft fruit. Fruit-Grower 2094:289-290. Aug.23,1951. 80 F941
- 82253 MANCHESTER, J. W. Maine tops rest of Nation. New Eng. Homestead 124(17):28-29,43. Sept.8, 1951. 6 N442
Blueberry culture.
- 82254 MAUMENÉ, A. Un splendide vignoble français [Beaulieu] en Californie. Vie à la Campagne 40:327-330. Sept.1951. 80 V67
- 82255 MINGUZZI, L. Grapes trained in the Lombardy arc. (In Italian.) Flora [Milano] 3:30. Feb.1951. 80 F6634
- 82256 NILSSON, A. Gooseberry culture. (In Swedish.) Trädgårdstidningen 23(8):8,29. Aug.1951. 80 T67
- 82257 OOSTEN, VAN. Small fruit in America. II-III. (In Dutch.) Fruitteelt 41:496-497,530-531. July 19-Aug.2,1951. 86 N28
- 82258 PEYRONNET, R. Le Congrès Viticole de Nîmes. Rev. Agr. de l'Afrique du Nord 49:597-599. Aug.17,1951. 80 R326
- 82259 PEYRONNET, R. De la reconstitution du vignoble algérien et du choix des cépages. Rev. Agr. de l'Afrique du Nord 49:163-166. Mar.2,1951. 80 R326
- 82260 RAI, S. Effect of leaves of the bearing shoot on the fruit setting of grapes. (In Japanese.) Hort. Assoc. Japan. J. 19:252-254. Dec.1950. 87 H78
- 82261 SARRABAY, J. Quelques indications concernant le folletage sur vigne. Rev. Agr. de l'Afrique du Nord 49: 437-438. June 8,1951. 80 R326
- 82262 SCHALK, A. Raspberry varieties. (In Dutch.) Fruitteelt 41:432. June 21,1951. 86 N28
- 82263 SHEWELL-COOPER, W. E. Good value from strawberries; cloches can provide an early crop; and due care can defeat the twin dangers of frost and virus. Field 198:111. July 21,1951. 10 F45
- 82264 SINCOCK, R. L. Blueberry growing out of the peat bog country. Wash. Farmer 76:577,590. Aug.16, 1951. 6 R151

- 82265 STRATTON, C. L. How cultivated blueberries are grown. New Eng. Homestead 124(15):8. Aug.11,1951. 6 N442
- 82266 TER HAAR, H. G. Strawberry culture. (In Dutch.) Boer en Tuinder 5(235):11. July 21,1951. 12 B632
- 82267 U. S. PATENT OFF. Plant patents. 2 Nos. 1951. 156.65 P69
Contents: 1031. Newberry, F. A. Berry plant. 3 p.,3 pl. Aug.21; 1033. Felton, O. E. Strawberry plant. 2 p., 1 col. pl. Aug.28.

Nuts

- 82268 BARBOSA, L. A. G. The pecan. (In Portuguese.) Gaz. do Agr. 3:94-95. Apr.1951. 24 G25
- 82269 BRISON, F. R. What it takes to grow pecans. Prog. Farmer, Tex. Ed. 66(9):17,125. Sept.1951. 6 T311
- 82270 EVREINOFF, V. A. Le hêtre, comme arbre fruitier. Terre d'Occ 33:283-285. Aug.1951. 14 Ar5
- 82271 FLOOR, J. Het enten van noten [Grafting of walnuts]. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 24:1-11. Jan.1951. 86 W12
- 82272 GRIEBEL, H. Haselnussgeschichten. Österr. Imker 1:51. Mar.1951. 424.8 Os7
As honey plant.
- 82273 THEISS, L. E. It's time you tried Chinese chestnuts [Castanea mollissima]. Org. Gard. 19(3):20-23, 55. Sept.1951. 56.8 Or3
- 82274 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Harvesting, treating, storing, and marketing chestnuts. Beltsville,1951. 4 p. 1.965 A2H26

Shade Trees and Ornamental Plants

- 82275 ABERCONWAY, LORD. Rhododendron hybrids. Roy. Hort. Soc. J. 76:257-264. Aug.1951. 84 L84J
- 82276 ADVICE and description of work in the laying out of a garden. (In Swedish.) Västerbotten 3:83-91. May 1950. 11 V442
- 82277 AGER, J. Rosa multiflora, its planting and care. Outdoor Nebr. 29(3):49-51. Summer 1951. 410 Ou86
- 82278 ALFARO, N. H. Managing greenhouse orchids outdoors in summer. Natl. Capital Orchid Soc. B. 5:12-13. June 1951. 81 N2122
- 82279 ALGEMEENE VEREENIGING VOOR BLOEMBOLLENCULTUUR TE HAARLEM. Jaarboekje voor de bloembollenstreek [Yearbook for the flower bulb area]. Haarlem,1951. 127 p. 86 H11
- 82280 ALLWOOD, M. C. Pinks. Roy. Hort. Soc. J. 76:307-312. Sept.1951. 84 L84J
- 82281 ALLWOOD-FENN, P. Carnations. Mr. Chase's Cloche Gard. Notes, June 1951:150-153. 80 M69
- 82282 AMERICAN DAHLIA SOCIETY. 1951 classification of Dahlias. LaGrange, Ill.,1951. 26 p. 96.524 Am3C
Central States Dahlia Society cooperating.
- 82283 ANTONIOLI, M. B. Mixed borders. (In Italian.) Flora [Milano] 3:23-25. Feb.1951. 80 F6634
- 82284 ARNOLD-FORSTER, W. Bishop Hunkin's plant memorial. Roy. Hort. Soc. J. 76:264-266. Aug.1951. 84 L84J
Hardy shrubs suggested.
- 82285 ATEMA, T. Culture of Euphorbia or Poinsettia pulcherrima. (In Dutch.) Vakbl. v. de Bloemisterij 6:242. Aug.3,1951. 80 V22
- 82286 AUGUSTIN, W. Flieder-veredlungen ohne wildausschlag! Deut. Baumsch. 4:147-149. June 1,1951. 80 D486
Syringa vulgaris.
- 82287 BAEKHØJ, K. The lawn and its care. (In Danish.) Frø og Gart. 16:23-26. June 1951. 80 F92
- 82288 BARAVALLE, C. Pruning flowering shrubs. (In Italian.) Flora [Milano] 3:46-49. Mar.1951. 80 F6634
- 82289 BARNES, A. T. The evolution of the Dahlia. Gard. Illus. 68:236-237. Sept.1951. 80 G169
- 82290 BECKX, A. Deux plantes anciennes, Sparmannia africana, Veltheimia capensis. B. Hort. (n.s.):6: 176-177. June 1,1951. 80 B873
- 82291 BENSÀ, S. Flowering balconies and terraces. (In Italian.) Flora [Milano] 3:67-71. Apr.1951. 80 F6634
- 82292 BENSÀ, S. Gladioli. (In Italian.) Flora [Milano] 3:29-30. Feb.1951. 80 F6634
- 82293 BENSÀ, S. Winter flowering plants for warm regions. (In Italian.) Flora [Milano] 3:43-44. Mar.1951. 80 F6634

- 82294 BERG. Les arbustes donnant des fleurs de juillet à septembre. *Rustica* 24:572,581. June 24, 1951. 14 R92
- 82295 BIRDSALL, L. B. What do you mean—weeds? Some of them are so well bred they're blue bloods of the flower garden. *Family Herald & Wk. Star* 82(27):3,13. July 5, 1951. 7 F21
- 82296 BOERNER, F. Friedliches aus Korea. *Deut. Baumsch.* 3:120-126. May 1, 1951. 80 D486
- Trees and shrubs.
- 82297 BÖHLJE, G. Erfahrungen mit Andromeda und ihrer verwandtschaft. *Deut. Baumsch.* 4:149-154. June 1, 1951. 80 D486
- 82298 BOSCH. Culture du Chrysanthème en Afrique du Nord. *Rev. Hort. de l'Algérie* 55:123-131. Apr. 1951. 87 R32
- 82299 BROEN, M. Al diseñar un parque o un jardín hay que tener muy en cuenta los follajes otoñales. *Mundo Agr.* 3(25):59-61. June 1951. 9 M92
- Argentina.
- 82300 BROCKLYN BOTANIC GARDEN. The rose family. *Brooklyn Bot. Gard. L. (n.s.)* 6,4 p. Mar. 20, 1951. 451 B79L
- 82301 BRUGGEMAN, L. Saintpaulia. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:251. Aug. 10, 1951. 80 V22
- 82302 BURKWOOD, A. Daphnes. *My Gard.* 43:157-160. Aug. 1951. 80 M995
- 82303 CAMERO ZAMORA, J. Normas y consideraciones para la plantación de árboles en las ciudades. *Agr. Venezol.* 15(147):16-20. Oct./Nov. 1950. 9.95 Ag8
- 82304 CARNES, W. G. Landscape architecture on the National Park Service, its contribution to preservation and development. *Landscape Architect.* 41:145-150. July 1951. 80 L23
- 82305 CAVE, N. L. Some notable new Irises. *Gard. Chron.* 130:62-63. Aug. 18, 1951. 80 G162
- 82306 CHAPLIN, P. Carnation notes: looking for one plant in a thousand. *Grower [London]* 36:314-315. Aug. 18, 1951. 286.83 M34
- 82307 CHARON. Arbrisseaux et arbustes a fleurs. *Rev. Hort. de l'Algérie* 55:80-96. Mar. 1951. 87 R32
- 82308 CHOPINET, R., and DUPOUY, J. Quelques floraisons hivernales de plein air intéressantes pour la région parisienne. *Jard. de France (ser. 7)* 5:132-140. May 1951. 86 Sol3
- 82309 COCKER, H. Antirrhinum or snapdragons. (In Italian.) *Flora [Milano]* 3:45. Mar. 1951. 80 F6634
- 82310 COCKER, H. Saxifraga easy to grow. (In Italian.) *Flora [Milano]* 3:64-65. Apr. 1951. 80 F6634
- 82311 COCKER, H. Sedum. (In Italian.) *Flora [Milano]* 3:65-66. Apr. 1951. 80 F6634
- 82312 COON, N. The violets pass in review. *Horticulture* 29:330,337. Sept. 1951. 80 H787
- 82313 CORTVRIENDT, S. F., and GROOTE, R. DE. Le forçage de quelques variétés d'Azalées dans un substratum de vermiculite, suivant la méthode sub-irrigatoire. *Rev. de l'Agr.* 4:959-966. Aug. 1951. 13 R322
- English summary.
- 82314 COSTE, A., and GAGNARD, J. Contribution à l'étude de la culture de l'oeillet en Algérie. *Rev. Hort. de l'Algérie* 55:141-163. May 1951. 87 R32
- 82315 CROSBY, H. Observations on orchid growing in various establishments in Europe. *Orchid Digest* 15:151-157. July/Aug. 1951. 80 Or172
- 82316 CUMMINGS, M. B. Make use of the ghost plant [*Artemisia alba*]. *Org. Gard.* 19(3):45-46. Sept. 1951. 56.8 Or3
- 82317 CURTIS, R. W. Plants for birds and gardeners. II. Evergreens maintain winter balance. *Cornell Plantations* 7:56-59. Summer 1951. 409.6 C812
- 82318 DE FRANCE, J. A., and WELLS, D. Build your lawn and keep it green! *Flower Grower* 38(9):40-41, 76. Sept. 1951. 80 M72
- 82319 DELWORTH, C. Chrysanthemum production; quality is the key to a profitable operation. *Florists' Rev.* 108(2806):25-27,93,114-119. Sept. 6, 1951. 80 W41
- 82320 DESROSIER, N. W., and HOXSIE, C. E. Measuring color; new technique for studying color characteristics of floral crops. I. Carnations. *Florists' Rev.* 108(2805):15-17. Aug. 30, 1951. 80 W41
- 82321 DEWERTH, A. F., and KUNIHIRO, S. Chrysanthemum variety trials for some 1951 introductions under conditions in the Southwest. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:112. 1951. 4 C82
- 82322 DIX, J. F. C. Dutch Gladioli in 1950. *Zaadwereld* 15:67-68. Apr. 15, 1951. 61.8 Z12
- 82323 DODGE, L. Revamping a wornout lawn. *Org. Gard.* 19(3):36-38. Sept. 1951. 56.8 Cr3
- 82324 DORT, H. W. VAN. Old-fashioned. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:260. Aug. 17, 1951. 80 V22
- Garden plants.
- 82325 DURIN, J. Pelouses et gazons. *Soc. d'Hort. et d'Acclim. du Maroc. B.* 36(152):22-23. First Q. 1951. 87 301
- 82326 EDLIN, H. L. Hardwoods of the lowlands. *Wood [London]* 16:322-324. Aug. 1951. 99.82 W855
- 82327 ELLIOTT, D. An American [*Cotinus americana*] abroad [New Zealand] gets adopted. *Horticulture* 29:342. Sept. 1951. 80 H787
- 82328 ELLIS, C. K. Continuous colour in the mixed flower border. *New Zeal. J. Agr.* 82:533,535,537. June 1951. 23 N48J
- 82329 ENCKE, F. V. Gütebestimmungen für rosenpflanzen. *Gart.-Z. Illus. Flora* 74:86-87. Aug. 1951. 80 G1991
- 82330 FAIRLEY, E. H. Bougainvilleas for all-year beauty. *Org. Gard.* 19(3):26-27,50. Sept. 1951. 56.8 Or3
- 82331 FAVREAU, A. Embellissez à peu de frais! B. des Agr. 47(5):14-15,65-66. May 1951. 7 B872
- Landscaping the home.
- 82332 GELEIN, C. Can we grow Chrysanthemum seeds in our country too? (In Dutch.) *Vakbl. v. de Bloemisterij* 6:259. Aug. 17, 1951. 80 V22
- 82333 GRAU, F. V. Further suggestions for research on Poa annua. *USGA Journal* 4(5):30-32. Sept. 1951. 60.18 Un32
- 82334 GRAY, W. A. Cultural background for cool growing orchids in a warm climate. *Orchid Digest* 15:169-171. July/Aug. 1951. 80 Or172
- 82335 GEENS, F. Forcing tulips with artificial light. (In Flemish.) *Tuinbouwberichten* 15:105-106. July 15, 1951. 80 T817
- 82336 GREW, R. D. The gentians. *Horticulture* 29:345. Sept. 1951. 80 H787
- 82337 HAMBLIN, S. L. Making a rock garden. *Horticulture* 29:340-341. Sept. 1951. 80 H787
- 82338 HAMETER, E. Ein garten mit 380 quadratmeter. *Obst u. Gart.* 6:58-59. Apr. 1951. 80 Ob75
- 82339 HARRELL, J. E. A cultural note regarding *Oncidium splendidum*. (Sum.) *Natl. Capital Orchid Soc. B.* 5(1):4-5. Mar. 1951. 81 N2122
- 82340 HARSHBARGER, G. Crown imperial [*Fritillaria imperialis*]. *Flower Grower* 38(9):18,24. Sept. 1951. 80 M72
- 82341 HAWKES, A. D. Notes on Vanda suavis Ldl. *Orchid Digest* 15:165-167. July/Aug. 1951. 80 Or172
- 82342 HAYWARD, W. Let's get acquainted with Crinums. *Horticulture* 29:350-351. Sept. 1951. 80 H787
- 82343 HELLYER, A. G. L. Dwarf plants for the garden. *Country Life [London]* 110:656-657. Aug. 31, 1951. 80 C83
- 82344 HELLYER, A. G. L. The sub-tropical garden of Tresco. *Gard. Illus.* 68:240-242. Sept. 1951. 80 G169
- Scilly Isles.
- 82345 HIGGINS, V. Cacti at Chelsea. *Roy. Hort. Soc. J.* 76:268. Aug. 1951. 84 L84J
- 82346 HILLS, L. D. The botanical "Marie Celeste." *My Gard.* 43:149-152. Aug. 1951. 80 M995
- 82347 HUBNER, F. W. Die ulme blüht! *Urania* 14:188. May 1951. 474 Ur1
- 82348 JAMES, A. Three trees. *My Gard.* 43:127-129. Aug. 1951. 80 M995
- 82349 JAMES, E. B. Better lawns. Haslemere, Hay, 1950. 27 p. (A Roy Hay Publication) 97.6 J23
- 82350 JANSEN, A. Where the glory of Holland flowers. On March 20th the "Keukenhof" at Lisse throws its gates open again. *Zaadwereld* 15:27,28,29,30. Mar. 15, 1951. 61.8 Z12
- Outdoor show of bulb flowers.
- 82351 JEFFERSON-BROWN, J. Dwarf daffodils. *Gard. Chron.* 130:82-83. Sept. 1, 1951. 80 G162
- 82352 JOHNSON, A. T. Flowering shrubs of merit. *Gard. Chron.* 130:42. Aug. 4, 1951. 80 G162
- 82353 KAMMERER, E. L. Minimum care plants for reducing garden maintenance. *Morton Arboretum, B. Pop. Inform.* 26:13-16. Apr. 1951. 99.9 M84
- 82354 KAMMERER, E. L. Round the year with Euonymus. *Morton Arboretum, B. Pop. Inform.* 26:5-8. Feb. 1951. 99.9 M84
- 82355 KAMP, J. R. What we know about keeping cut flowers. *South. Florist & Nurseryman* 64(23):11,82-83. Aug. 31, 1951. 80 So86
- 82356 KAPPERT, H. Mendelismus und blumenzüchtung. *Z. f. Pflanzenzücht.* 29:406-414. Ref. Mar. 1951. 450 Z36

- 82357 KELLY, J. Peony pointers. *Org. Gard.* 19(30): 19,52. Sept.1951. 56.8 Or3
- 82358 KOHL, P. A. Moving time for your shrubs. *Horticulture* 29:329,336. Sept.1951. 80 H787
- 82359 KOPPESCHAAR, W. F. Paeonia. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:236. July 27,1951. 80 V22
- 82360 KORSHENKO, V. Roadside planting in Ukraine. (In Russian.) *Les i Step'* 3(1):85. Jan.1951. 99.8 L565
- 82361 KROMDIJK, G. La culture des Bromeliacées. *Cour. Hort.* 13:337-339. July 1951. 80 C834
- 82362 LAMSON, M. D. Tulips in the garden. *Flower Grower* 38(9):28-29,77-78. Sept.1951. 80 M72
- 82363 LENTZ, J. W. How to get better grass for the taxpayer. *Pub. Works* 82(9):45-46. Sept.1951. 290.8 M922
- 82364 LOMBARTS, J. Mahonia bealei and M. japonica. *Deut. Baumsch.* 4:154-155. June 1,1951. 80 D486
- 82365 LUGER, C. Ornamental propagation by cuttings. *South. Florist & Nurseryman* 64(22):33-38. Aug.24,1951. 80 So86
- 82366 MCCORMICK, M. F. Christmas rose. *Flower Grower* 38(9):12,14. Sept.1951. 80 M72
- 82367 MACNEIL, A. An appraisal of new lilies. *Horticulture* 29:320-321. Sept.1951. 80 H787
- 82368 MASSEY, L. M. Le secret des roses sans défaut. *Phytoma* 4(25):25-26. Apr.1951. 464.8 P563
- 82369 MERKEL, J. L. Orchid staging. *Amer. Orchid Soc. B.* 20:544-547. Sept.1951. 80 Am329
- Use of greenhouse space.
- 82370 MERRY, R. P. Come September—it's house plant time. *Horticulture* 29:332. Sept.1951. 80 H787
- 82371 MEYER, J. R. Transplanting orchid seedlings from culture flasks to pots of "xaxim." (In Portuguese.) *Biológico* 17:99-102. June 1951. 442.8 B529
- English summary.
- A mixture of fibers from the stem of *Dicksonia sello-wiana* (xaxim).
- 82372 MITCHELL, S. B. Daffodils for colorful garden effect. *Flower Grower* 38(9):34-35,64-65. Sept.1951. 80 M72
- 82373 MULDER, H. *Anthurium andraeanum*. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:250-251. Aug.10, 1951. 80 V22
- 82374 MULDER, H. Purchase of Azaleas. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:227. July 20,1951. 80 V22
- Culture.
- 82375 MULLER, H. L'Echinopsis comme porteur de greffe. *Soc. d'Hort. et d'Acclim. du Maroc. B.* 36:45-46. Second Q.,1951. 87 Sol
- 82376 MULLER, H. La greffe des Cactées. *Soc. d'Hort. et d'Acclim. du Maroc. B.* 36:58. Second Q.,1951. 87 Sol
- 82377 MYODO, H. The cultivation of bulbs for exports in Hokkaido. II. On the bulb weight increase of *Lilium longiflorum* var. takesima. (In Japanese.) *Hort. Assoc. Japan. J.* 19:205-208. Dec.1950. 87 H78
- 82378 MYODO, H. The cultivation of tulips in Hokkaido. II. Yields of bulbs in some regions with different types of soil. (In Japanese.) *Sapporo Soc. Agr. & Forestry. J.* 39:1-10. Mar.1951. 22.5 Sol
- 82379 NATIONAL SAFETY COUNCIL. Tree trimming. *Natl. Safety News* 64(3):32-34,109-122. Sept.1951. 449.8 N212
- Street and roadside trees.
- 82380 NEILL, W. T. Florida's air-plants [Bromeliaceae] and their inhabitants. *Fla. Nat.* 24:61-66. July 1951. 413.9 F66F
- 82381 NIVEN, L. A. *Zoysia* for lawn beauty. *Prog. Farmer, Tex. Ed.* 66(9):83. Sept.1951. 6 T311
- 82382 NORMAN, A. What's new in roses. *Mr. Chase's Cloche Gard. Notes*, June 1951:154-156. 80 M69
- 82383 NORTON, C. A. Summing up. *Green Thumb* 8(9):8-19. Sept.1951. 80 G82
- Colorado wild flowers.
- 82384 ORR, H. P., and CLINT, M. W., JR. Production of double-pinched, interrupted-shaded *Chrysanthemums*. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:111-112. 1951. 4 C82
- 82385 ORR, H. P. Studies with cooled greenhouse roses. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:114-115. 1951. 4 C82
- 82386 ORR, H. P., and CLINT, M. W., JR. Time pinching of *Chrysanthemums*. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:111. 1951. 4 C82
- 82387 PANNEKOEK, G. J. Heath and forest gardens. (In Flemish.) *Cult. en Handel* 17:396-398. July 1951. 80 C892
- 82388 PATTERSON, U. L. Four major pot plant items. *Florists' Exch.* 116(18):13,52-53. May 5,1951. 80 F666
- 82389 PEER, R. S. New varieties of *Camellia reticulata* established in California. *Roy. Hort. Soc. J.* 76:301-307. Sept.1951. 84 L84J
- 82390 PERIS PEREZ, P. Claveles de Espana. *Cult. Mod.* 34:167-168. May 1951. 15 C89
- 82391 PERRY, F. Ideas for festival planting. *Nurseryman & Seedsman* 112:160-161. Jan.18,1951. 80 N933
- Tiarella wherryi*, *Eucomis punctata*, and *Deinranthe coerulea*.
- 82392 PEYTON, G. W. Best peonies, 1951. *Flower Grower* 38(9):38-39,61. Sept.1951. 80 M72
- 82393 PILCHER, G. A. Longer life for cut flowers. *Mr. Chase's Cloche Gard. Notes*, July 1951:177-178. 80 M69
- 82394 PUDDLE, F. C. *Astilbes* and *Spiraeas*. *My Gard.* 43:133-137. Aug.1951. 80 M995
- 82395 REUTERSWARD, G. *Salvia*. (In Swedish.) *Trädgårdstidningen* 23(8):19. Aug.1951. 80 T67
- 82396 RICHEZZA, F. DE. Manera de hacer un cesped para jardin. *Pampa Argentina* 24(281):16. May 1951. 9 P19
- 82397 ROBINSON, G. W. Some *Penstemon* species. *My Gard.* 43:105-113. Aug.1951. 80 M995
- 82398 RUSSELL, J. Daffodils in natural settings. *Horticulture* 29:323,344. Sept.1951. 80 H787
- 82399 RUY, J. D. Amélioration de plantes vivaces. *Zaadwereld* 15:39,40,41,42. Mar.15,1951. 61.8 Z12
- 82400 SABOURIN, L. *Cyclamens en fleurs!* *Soc. d'Hort. et d'Acclim. du Maroc. B.* 36:53-58. Second Q., 1951. 87 Sol
- 82401 SAGRERA R., G., and ABREGO, L. Cultivo de los rosales. *Cent. Nac. de Agron. C. Agr.* 44,6 p. July 1951. 8 Sa54C
- 82402 SCHAIRER, J. F. *Epidendrum o'brienianum*. *Natl. Capital Orchid Soc. B.* 5(1):5-6. Mar.1951. 81 N2122
- 82403 SCOTT, A. H. A 96-year-old house plant [*Camellia japonica*]. *Flower Grower* 38(9):23-24. Sept. 1951. 80 M72
- 82404 SEELEY, J. G. Developments in flower growing. *Florists' Exch.* 116(21):12,44-45. May 26,1951. 80 F666
- 82405 SENIOR, R. M. A miniature rock garden. *Gard. J.* 1:150. Sept./Oct.1951. 80 G1635
- 82406 SENNELS. *Kalanchoë*. (In Danish.) *Frø og Gart.* 16:35-36. June 1951. 80 F92
- Short day treatment.
- 82407 SENNELS. *Primula malacoides*. (In Danish.) *Frø og Gart.* 16:29-30. June 1951. 80 F92
- 82408 SHEPHERD, R. E. Roses old and new. *Flower Grower* 38(9):30-31,50-54. Sept.1951. 80 M72
- 82409 SHEWELL-COOPER, W. E. Climbers for concealment. *Co-op. Home Mag.* 56(4):12. Apr.1951. 280.28 W563
- 82410 SHEWELL-COOPER, W. E. Pot plants in the greenhouse. *Field* 198:187. Aug.4,1951. 10 F45
- 82411 SHEWELL-COOPER, W. E. The right way to plant bulbs. *Field* 198:229. Aug.11,1951. 10 F45
- 82412 SKOU, W. Hardy mums for spring flowering pot plants. *Ohio Florists' Assoc. B.* 264:2-3. Sept.1951. 81 Oh36
- 82413 SNYDER, M. R., and GREENLAW, G. W. Planting roses in the fall. *Horticulture* 29:328. Sept. 1951. 80 H787
- 82414 STAAVEREN, M. C. VAN. The cultivation of *Freesia* from seed. *Zaadwereld* 15:85-86. Apr.15,1951. 61.8 Z12
- 82415 STAAVEREN, M. C. VAN. The culture of American carnations. *Zaadwereld* 15:92-93. Apr.15, 1951. 61.8 Z12
- 82416 STARKE, W. *Palmen*. *Trowitzsch-H. f. den Berufsgärt. Reihe A, Treibhauskult.* 14,24 p. 1950. 80 T752
- 82417 STAUTEMAS, E. Culture of *Crotons* [*Codiaeum*]. (In Flemish.) *Tuinbouwberichten* 15:104-105. July 15,1951. 80 T817
- 82418 STEVENS, O. A. Shrubs and trees to attract birds. *N. Dak. Agr. Col. Ext. C. A-156*, 6 p. Mar.1951. 275.29 N812Sa
- 82419 STEVENS, T. K. Spring's earliest performers. *Horticulture* 29:326. Sept.1951. 80 H787
- 82420 STUCCHI, C. *Opuntia* naturalized in Italy. (In Italian.) *Flora [Milano]* 3:49. Mar.1951. 80 F6634

- 82421 SULIT, M. D. Philippine orchids: collection and care. *Philippine J. Forestry* 6:265-278. Third Q. 1949, pub. 1951. 99.8 P53
- 82422 TEMPEST, R. C. Iris bloom around the year. *Flower Grower* 38(9):32-33, 62-64. Sept. 1951. 80 M72
- 82423 THIBAudeau, M. L. Les fleurs du printemps. *Forêt et Conserv.* 3:295-296. May/June 1951. 99.8 F792
- 82424 TÖGEL, V. Anlage und pflege von rasenflächen. *Gart.-Z. Illus. Flora* 74:89-90. Aug. 1951. 80 G1991
- 82425 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Directions for preserving leaves for decorative purposes, by P. L. Ricker. Washington? 1951? 2 p. 1.965 A2D622
- 82426 U. S. FOREST SERV. State trees. Rev. Washington, 1951. 4 p. 1.962A2L69
- 82427 U. S. PATENT OFF. Plant Patents. 13 Nos. 1951. 156.65 P69
Contents: 1024. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Aug. 7; 1025. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Aug. 7; 1026. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Aug. 7; 1027. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Aug. 7; 1028. Swim, H. C. Rose plant. 3 p., 1 col. pl. Aug. 7; 1029. Swim, H. C. Rose plant. 2 p., 1 col. pl. Aug. 7; 1030. Swim, H. C. Rose plant. 3 p., 1 col. pl. Aug. 7; 1032. Vink, J. de. Rose plant. 2 p., 1 col. pl. Aug. 21; 1034. Hall, M. A. Veronica plant. 1 p., 1 col. pl. Aug. 28; 1036. Kordes, W. Rose plant. 2 p., 1 col. pl. Sept. 18; 1037. Armstrong, J. S. Eugenia plant. 1 p., 1 col. pl. Sept. 18; 1038. Verschuren, H. A. M. Rose plant. 2 p., 1 col. pl. Sept. 18; 1039. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Sept. 25.
- 82428 VAN MELLE, P. J. Plant for permanence; Chinese column juniper. *Flower Grower* 38(9):6, 8. Sept. 1951. 80 M72
- 82429 VEYRENC. Multiplication des Dendrobium par marcottage. *Rev. Hort. de l'Algérie* 55:74-76. Mar. 1951. 87 R32
- 82430 WARD, F. K. The sequence of Rhododendrons. *Gard. Chron.* 130:72. Aug. 25, 1951. 80 G162
- 82431 WASSCHER, J. Cyclamen seed. *Zaadwereld* 15:162. June 15, 1951. 61.8 Z12
- 82432 WATERFALL, U. T. The genus Callirhoe (Malvaceae) in Texas. *Field & Lab.* 19:107-119. June 1951. 470 F46
- 82433 WERNER, R. Schöne schlingsträucher, die noch wenig verbreitet sind. *Gart.-Z. Illus. Flora* 74:85-86. Aug. 1951. 80 G1991
- 82434 WESTMAN, E. The flower lane of the dean's wife. (In Swedish.) *Trädgårdstidningen* 23(8):20, 28-29. Aug. 1951. 80 T67
- 82435 WIGAN, D. H. L. Tulip growing. Mr. Chase's Cloche Gard. Notes, Aug. 1951:194-196. 80 M69
- 82436 WIJENBERG, H. Cytisus and Genista. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:252. Aug. 10, 1951. 80 V22
- 82437 WILLIAMS, R. H. To save the scenery. Pa. Farmer 145:95, 116, 117. Aug. 25, 1951. 6 P383
Roadside planting.
- 82438 WISTER, J. C. Tree peonies for permanence. *Horticulture* 29:322. Sept. 1951. 80 H787
- 82439 WOLCOTT, G. N. Time of flowering of Delonix regia. *Science* 114:307-308. Sept. 21, 1951. 470 Sci2
- 82440 WOLTERECK, H. Gartenfreude durch die jahrtausende. *Landfrau* 6(18):4-5. Sept. 1951. 18 L2337
- 82441 WYLIE, P. Anyone can raise orchids. Sat. Evening Post 224(11):38-39, 84, 86-88. Sept. 15, 1951. 110 Sa8
- 82442 WYMAN, D. Plant trees and shrubs for sequence of bloom. *Flower Grower* 38(9):36-37, 67. Sept. 1951. 80 M72
- 82443 YARIAN, N. C. Orchid hunting in Maine. *Flower Grower* 38(9):44-45, 55-57. Sept. 1951. 80 M72
- 82444 ZAAL, C. M. VAN. La culture des Chrysanthèmes en Holland. *Zaadwereld* 15:48, 49, 50. Mar. 15, 1951. 61.8 Z12
- 82445 ZAYLSKIE, J. J. Grow your own trees from cuttings. N. Dak. Agr. Col. Ext. C. A-157, 6 p. Apr. 1951. 275.29 N812Sa
- 82446 ZELSMAN, W. C., and DEWERTH, A. F. All year production of Geranium varieties in Texas. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:114. 1951. 4 C82
- 82447 ZELSMAN, W. C., and DEWERTH, A. F. Possibilities for carnation production in Texas. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:113-114. 1951. 4 C82
- 82448 ZELSMAN, W. C., and DEWERTH, A. F. Preliminary ground cover trials in the College Station [Texas] area. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:115. 1951. 4 C82
- Vegetable and Truck Crops (Including Potatoes)**
- 82449 ALEXANDER, E. M. The use of soil heating cable in the production of tomato and potato plants. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:35-36. 1951. 4 C82
- 82450 AXELSSON, F. Harvesting and storage. (In Swedish.) *Trädgårdstidningen* 23(8):18-19. Aug. 1951. 80 T67
Vegetables.
- 82451 BEAUSSIER. Syndicat des Monts Rhodaniens. Pomme de Terre Franç. 14(143):14-15. July 1951. 75.8 P77
- 82452 BERKNER. Altes und neues vom kartoffel-spätbau. *Neue Mitt. f. die Landwirt.* 6:291. May 12, 1951. 18 N39
- 82453 BOGU. Future of vegetable culture in the Bosco Eliceo. (In Italian.) *Agr. Ferrarese* 54:202-203. Sept. 30, 1950. 16 Ag87
- 82454 BONNEMAISON, L. La détermination de la date de destruction des fanes. Pomme de Terre Franç. 14(143):16-18. July 1951. 75.8 P77
- 82455 BOUHELIER, R. La culture de la tomate. *Rev. Agr. de l'Afrique du Nord* 49:188-191. Mar. 9, 1951. 80 R326
- 82456 BURKHART, L. Arizona lettuce men aided by research. *West. Grower & Shipper* 22(10):14-15, 30. Sept. 1951. 280.38 W52
- 82457 BUTLER, A. N. L. Tomato plants for the processing industry. Ontario. Dept. Agr. B. 464, 44 p. Mar. 1951. 101 On8B
- 82458 CAMPBELL, J. C. Potato experiments in 1951. *Hints Potato Growers* 32(2):1-2. June 1951. 75.9 H59
- 82459 CARDWELL, I. Thin sowing suits September lettuce best. *Grower [London]* 36:413. Sept. 1, 1951. 286.83 M34
- 82460 CHASE, J. L. H. Autumn lettuce for growers. Mr. Chase's Cloche Gard. Notes, July 1951:174-176. 80 M69
- 82461 CHASE, J. L. H. Autumn lettuce for the home gardener. Mr. Chase's Cloche Gard. Notes, Aug. 1951:197-199. 80 M69
- 82462 CLARKE, H. Are melons worth growing commercially? Mr. Chase's Cloche Gard. Notes, June 1951:148-149. 80 M69
- 82463 CONSTABLE, W. J. L.S.A. [Land Settlement Association] growers seek alternative tomatoes. *Grower [London]* 36:310-311. Aug. 13, 1951. 286.83 M34
For greenhouses.
- 82464 CROSKERY, D. M. My experience as a new [potato] grower. Ontario Crop Impr. Assoc. Addresses & Proc. 13:137-141. 1951. 64.9 On83
- 82465 DENMARK. STATENS FORSØGSMED I PLANTEKULTUR. Dyrkningsforsøg med stammer af asieagurker 1946-50 [Experiments in growing Asia varieties of the cucumber, 1946-50]. Denmark. Stat. Forsøgs-virks. i Plante-kult. Meddel. 468, 4 p. July 5, 1951. 11 D41M
- 82466 DOMÍNGUEZ V., R. Cultivo del frijol. Agr. Salvadoreño 1(4):8. Aug. 1, 1951. 8 Ag896
- 82467 DOUGAL, H. J. What have we learned after three years in a Turnip Club? Ontario Crop Impr. Assoc. Addresses & Proc. 13:164-166. 1951. 64.9 On83
- 82468 EKSTRÖM, A. The almond potato—a variety with many valuable qualities. (In Swedish.) *Västerbotten* 3:92-94. May 1950. 11 V442
- 82469 FINCH, C. G. Variety trials of early cauliflowerers, 1947 to 1950. *Natl. Inst. Agr. Bot. J.* 5:438-458. 1950. 103 N21J
- 82470 FLEURY, C. Mushroom growing in Switzerland. *MGA Bulletin* 23:108-110. Apr. 1951. 80 M97
- 82471 FLORENCE, A. Graines maraichères: leur longévité et leur germination. *Rev. Hort. de l'Algérie* 55:117-119. Apr. 1951. 87 R32
- 82472 FRIGERIO, J. C. Los "Amaranthus" hortícolas excelentes para regiones pobres. *Pampá Argentina* 24(282):13. June 1951. 9 P19
- 82473 GALLOWAY, G. Crop rotation for Dutch lights. *Smallholder* 85(2154):9. Aug. 31, 1951. 10 Sm1
Vegetable crops.
- 82474 GILLARD, S. O. Growing lettuces outdoors and under glass. *New Zeal. J. Agr.* 82:497-499, 501, 503-504. June 1951. 23 N48J
- 82475 GÖTZSCHE, O. Where the Queen of the South rules; asparagus and early potatoes at Samsø. (In Danish.) *Husmandshjemmet* 22:1, 7. May 29, 1951. 11 H963
- 82476 GUZZINI, D. Bean calends. (In Italian.) *Mondo Agr.* 2(23):5. June 10, 1951. 16 M74
Varieties.

- 82477 HAISCH. Ein wort für die "oberarnbacher frühe." Württemb. Wehnl. f. Landwirt. 118:624. Aug. 4, 1951. 18 W96
Potato variety.
- 82478 HANSEN, H. B. Controlled culture of seed potatoes in Trøndelag 1950. (In Norwegian.) Landbruks-tidende 57:311. Apr. 18, 1951. 11 L236
- 82479 HAWTHORN, L. R. Cultural studies on carrot stecklings in relation to seed production. U. S. D. A. C. 877, 21 p. Aug. 1951. 1 Ag84C
- 82480 HELANDER, E. Posibilidades del huerto familiar en Santa Cruz. Charla Rur. 150:46-47. Apr. 1951. 9 C37
- 82481 HOFFMAN, I. C. Learn to ventilate, cultivate, pollinate the right way. Mkt. Growers J. 80(9):12-13, 31. Sept. 1951. 6 M34
Greenhouse tomatoes.
- 82482 HUTCHINS, A. E. The home garden. Conserv. Volunteer 14(80, 1.e.81):20-24. Mar./Apr. 1951. 279.8 C765
- 82483 JULIAN, P. Underground farm; western Pennsylvania mushroom growers take over abandoned mine. Pa. Farmer 145:131, 169. Sept. 8, 1951. 6 P383
- 82484 KAPOOR, S. L. The role of type of seed in the culture of potato. Indian Acad. Sci. Proc. Sect. B 33:227-281. Ref. May 1951. 513 In25B
- 82485 KEPPLER, E. Entwicklung und neuere züchtungserfolge der deutschen gemüsezüchtung. Z. f. Pflanzenzücht. 29:302-317. Ref. Mar. 1951. 450 Z36
- 82486 KRANTZ, F. A. Potato breeding in the United States. Z. f. Pflanzenzücht. 29:388-393. Mar. 1951. 450 Z36
- 82487 KRÖDEL. Zur frage der buschtomatenkultur im feldgemüsebau. Neue Mitt. f. die Landwirt. 6:248. Apr. 21, 1951. 18 N39
- 82488 KVARME, B., and others. Our little inquiry: Certified seed potatoes. (In Norwegian.) Landbrukstidende 57:303-305. Apr. 18, 1951. 11 L236
Panel discussion.
- 82489 LEEPER, P. W. Greenwrap tomato variety yield tests in the Lower Rio Grande Valley, spring 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1387, 3 p. July 10, 1951. 100 T31P
- 82490 LEEPER, P. W., JR. Seven promising tomato varieties. Tex. Farming & Citricult. 28(2):4. Aug. 1951. 80 T31
- 82491 MACLACHLAN, D. S., and RICHARDSON, L. T. The rapidity of vine-killing by herbicides in relation to internal tuber discoloration in potatoes. Amer. Potato J. 28:687-689. Aug. 1951. 75.8 P842
- 82492 MARCEL, B. Things worth knowing about melons. (In Flemish.) Cult. en Handel 17:403-404. July 1951. 80 C892
- 82493 MARTIN, A. H. The Seed Potato Act, 1950. Ontario Crop Impr. Assoc. Addresses & Proc. 13:117-118. 1951. 64.9 On83
- 82494 MEYER, G. La production du plant en Haute Vienne. Pomme de Terre Franç. 14(143):5-6. July 1951. 75.8 P77
- 82495 MINGUZZI, L. Production of vegetable seeds. (In Italian.) Humus 7(7):24. July 1951. 16 H88
- 82496 MINGUZZI, L. Turnips. (In Italian.) Flora [Milano] 3:52. Mar. 1951. 80 F6634
- 82497 MONNIER, F. Notice sur la culture de pommes de terre a Timimoun. Rev. Agr. de l'Afrique du Nord 49:600-603. Aug. 17, 1951. 80 R326
- 82498 MUELLO, A. C. Un cultivo remunerador de otoño la papa. Pampa Argentina 24(280):6-7. Apr. 1951. 9 P19
- 82499 MÜLLER, K. O. Über die herkunft der W-sorten, ihre entwicklungsgeschichte und ihre bisherige nutzung in der praktischen kartoffelzüchtung. Z. f. Pflanzenzücht. 29:366-387. Ref. Mar. 1951. 450 Z36
- 82500 MULLINS. Your 1951 potato crop. Va. Agr. Col. Ext. Veg. Growers News 5(12):3. June 1, 1951. 275.28 V52
Harvesting and handling the crop.
- 82501 MYRANN, P. Early cabbage. (In Norwegian.) Landbrukstidende 57:323-324. Apr. 25, 1951. 11 L236
- 82502 ONTARIO AGRICULTURAL COLLEGE. Table turnips (rutabagas). Ontario. Dept. Agr. B. 472, 14 p. Sept. 1949. 101 On8B
- 82503 OPPENHEIMER, C. Experiments with tomato varieties and F-1 hybrids. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:138-162. Dec. 1950. 107 J552
Abridged English translation, p. 27-34.
- 82504 HAWKES, J. G. Organización y planeamiento para el mejoramiento de la papa. III. (Sum.) Agr. Trop. 7(7):11-18. July 1951. 26 Ag8
- 82505 KONINCK, G. DE. Witloof culture. (In Flemish.) Cult. en Handel 17:451-453. Aug. 1951. 80 C892
- 82506 LUNDEN, A. P. Trials with seed potatoes grown on different types of soil. (In Norwegian.) Norges Landbrhøgsk. Meld. 30:445-476. Ref. 1950. 104 N762M
English summary.
- 82507 MCLEAN, F. T. Sources of breeding material for improvement of cantaloupes. (Abs.) Assoc. South. Agr. Workers. Proc. 48:119. 1951. 4 C82
- 82508 PASCUAL, J. A. La investigación Norteamericana esta presente en las mas diversas actividades. Cooperación [Madrid] 112:11. June 1951. 280.28 C7875
Tomato hybridization.
- 82509 POLLARD, L. H. Lima beans, possible new crop for Utah. Farm & Home Sci. [Utah Sta.] 12:25. June 1951. 100 UtiF
Developing adapted varieties.
- 82510 PORFIDIA, F. Potato culture requires study and technical direction. (In Italian.) Gior. di Agr. 61:233. July 29, 1951. 16 ItiG
- 82511 READ, F. M. Contributions of agricultural research in crops. 4. Vegetables. Austral. Inst. Agr. Sci. J. 17:83-84. June 1951. 23 Au74
- 82512 REYNOLDS, J. D. Pea growing in Holland and Belgium. 2. Research and advisory work. Gt. Brit. Min. Agr. Agriculture 58:223-225. Aug. 1951. 10 G79J
- 82513 RIEMENS, J. M., and ZANDE, R. V. D. Selection of vegetables in general and tomatoes especially. Groenten en Fruit 6:910. June 21, 1951. 80 G89
- 82514 RISSO VARGAS, J. Huertos domesticos. Agr. Venezol. 15(147):36. Oct./Nov. 1950. 9.95 Ag8
- 82515 ROTH, H. Ein gang durch deutsche hochzuchtstätten. Deut. Landwirt. Presse 74:206. Aug. 4, 1951. 18 D482
Potato varieties.
- 82516 SAUBLENS, L. Culture du navet. Cour. Hort. 6:290. June 1951. 80 C834
- 82517 SCHRÖDER. Zum pflanzkartoffelbau in Weser-Ems 1951. Landwirtbl. Weser-Ems 98:541-542. June 21, 1951. 18 L2345
- 82518 SCHUTTER, B. DE. Problems in melon culture. (In Flemish.) Tuinbouwberichten 15:98-100. July 15, 1951. 80 T817
- 82519 SCRUGGS, C. C. The Winter Garden Station of Texas. Prog. Farmer, Tex. Ed. 66(9):16, 127. Sept. 1951. 6 T311
Work of the Winter Haven Agricultural Experiment Station with vegetable production.
- 82520 SEELIG, R. A. Fruit & vegetable history: celery. Fruit & Veg. Rev. 13(6):16-17. Sept. 1951. 80 C1224
- 82521 SENNELS. Forked carrots. (In Danish.) Frø og Gart. 16:32-33. June 1951. 80 F92
- 82522 SHEWELL-COOPER, W. E. Mushrooms as a sideline; a welcome addition to the table, and an enjoyable means of supplementing an income. Field 198:296. Aug. 25, 1951. 10 F45
Culture.
- 82523 SIEBENGA, J. Clonal selection as the basis for seed potato growing. II. Zaadwereld 15:158-159. June 15, 1951. 61.8 Z12
- 82524 SIRUM, B. Seed potatoes. (In Norwegian.) Landbrukstidende 57:305-310. Apr. 18, 1951. 11 L236
Culture and diseases.
- 82525 SLIKKE, C. M. VAN DER. Possibilities for the pearmelon (Solanum muricatum Ait.). (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:157-161. Mar. 1951. 86 N384
English summary.
- 82526 TIEDJENS, V. A. New things for vegetable growers. Va. Agr. Col. Ext. Veg. Growers News 5(12):1. June 1, 1951. 275.28 V52
- 82527 TILKIN, N. La tomate, especes et variétés. B. Hort. (n.s.) 6:169-171. June 1, 1951. 80 B873
- 82528 TWEEDIE, G. Aspects of the tray system-1. MGA Bulletin 23:116-117. (Cont.) Apr. 1951. 80 M97
Mushrooms.
- 82529 ULLMAN, H. The growing of onions and their seeds. (In Hebrew.) Hassadeh 31:381-384. May 1951. 26 H27
- 82530 VADE, S. Votre jardin sans jardinier; programme d'exploitation intensive du potager. Vie a la Campagne 40:322-324. Sept. 1951. 80 V67
- 82531 VOGT. Hinweise für pflanzkartoffelvermehrung Hannoversche Land- u. Forstwirt. Ztg. 104:522-523. June 2, 1951. 18 H194

WEEDS AND POISONOUS PLANTS

- 82532 ABERG, E. Critical examination of herbicides. (In Swedish.) *Tidskr. f. Hushållsk. och Skogsvårdsstyr.* i Gävleborgs Län 26:29-33. 1950. 11 T434
- 82533 BAILEY, J. W. Plants can kill animals; if properly fed, animals usually won't eat poisonous plants seen in burned out pastures. *Hoard's Dairyman* 96:725, 737. Sept. 25, 1951. 44.8 H65
- 82534 BALDACCI, E. La lutte contre les herbes nuisibles aux cultures en Italie. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:356-361. 1951. 464.9 C767 French summary.
- 82535 BALDACCI, E., and others. Report on selective chemical weeding on wheat, rice, and corn during the year 1950. (In Italian.) *Not. sulle Mal. delle Pianta* 14: 52-63. Jan./Feb. 1951. 464.8 N84
- R. Ciferri, P. Grancini, E. Marini, G. Paulin, and R. Tomaselli, joint authors.
English summary, p. 103.
- 82536 BALMOS, D. Enemy number one. *Tex. Livestock J.* 10(7):7, 24, 26. July 1951. 49 T29 Mesquite control.
- 82537 BARABE, R. Progress report on the eradication of purple loosestrife (*Lythrum salicaria* L.) in Quebec. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:83-90. July 1951. 79.9 C164
- 82538 BARABE, R. Weed control legislation in Quebec. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4: 65-67. July 1951. 79.9 C164
- 82539 BASSETT, I. J. Ragweeds [*Ambrosia*] and their distribution in eastern Canada. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:74-76. Ref. July 1951. 79.9 C164
- 82540 BEERI, Y. On the control of *Phalaris* in our fields. (In Hebrew.) *Hassadeh* 31:374-375. May 1951. 26 H27
- 82541 BELZILE, A. Weed control in pastures. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:32-34. July 1951. 79.9 C164
- 82542 BORDELEAU, R., and COITEUX, F. Progress report on the control of weeds in sugar beets. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:24-29. July 1951. 79.9 C164
- 82543 BOUCHET, R. L., DENNINGER, C., and DUMONT, L. La lutte chimique contre la mâcre ou "Châtaigne d'eau." *Phytoma* 4(25):8-17. Ref. Apr. 1951. 464.8 P563
- 82544 BRAGG, K. K. An introduction to the aquatic weed problem. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:106-111. Ref. July 1951. 79.9 C164 Control methods are given.
- 82545 CANADA. NATIONAL WEED COMMITTEE. EASTERN SECT. Proceedings of the fourth meeting, November 6, 7, 8, 1950. Central Experimental Farm Ottawa, Canada. Ottawa, 1951. 122 p. 79.9 C164
- 82546 CARTIER, R. D., and DION, A. Tests with newer herbicides for the control of weeds in onions. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:40-45. July 1951. 79.9 C164
- 82547 CHIASSON, T. C. Chemical weed control in potatoes. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4: 12-20. July 1951. 79.9 C164
- 82548 CONNOR, H. E. The poisonous plants in New Zealand. *New. Zeal. Dept. Sci. & Indus. Res. B.* 99, 141 p. Ref. 1951. 330.9 N48B
- 82549 CROOKS, D. M., and KEPHART, L. W. Poison-ivy, poison-oak, and poison sumac; identification, precautions, eradication. *U. S. D. A. Farmers' B.* 1972, slightly rev., 30 p. July 1951. 1 Ag84F
- Supersedes *Farmers' Bulletin* 1166.
- 82550 DANIELSON, L. L. Chickweed control in spinach. *Va. Agr. Col. Ext. Veg. Growers News* 5(12):3-4. June 1, 1951. 275.28 V52
- 82551 DENMARK. STATENS UKRUDTSFORSØG. The Danish Institute for Weed Research. (In Danish.) *Tidsskr. f. Planteavl* 54:336-342. 1951. 11 T439 English summary.
- 82552 ELDER, W. C., and GASSAWAY, J. Chemical control of brush. *Tex. Livestock J.* 10(6):8-9, 21-22, 24. June 1951. 49 T29
- 82553 ENGEL. Moderne unkrautbekämpfungsmittel! *Bauern-Ztg.* 4(24):4. June 15, 1951. 18 B324
- 82554 FALLIS, K. E., and MACRAE, J. W. The 1950 weed drill survey in Ontario. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:55-56. July 1951. 79.9 C164
- 82555 FINN, T. P. "Herbicide 1" offers new technique for agricultural chemical weed killer. *Agr. Chem.* 6(9):53, 55, 93, 95, 97. Sept. 1951. 381 Ag8
- Sodium 2,4-dichlorophenoxyethyl sulfate.
- 82556 FRANKTON, C. Federal-Provincial weed surveys. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4: 97-99. July 1951. 79.9 C164
- 82557 FREED, V. H., WARREN, R., and LEACH, C. M. Selective weed control in grain and grass crops. *Oreg. State Col. Ext. B.* 719, 31 p. June 1951. 275.29 Or32B
- 82558 GAGNON, L. P. Progress report on the destruction of cypress spurge (*Euphorbia cyparissias* L.) in pastures at Baie St. Paul, P. Q. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:72-73. July 1951. 79.9 C164
- 82559 GEIER, H. Unkrautbekämpfung mit hormonpräparaten. *Neue Mitt. f. die Landwirt.* 8:247. Apr. 21, 1951. 18 N39
- 82560 GYSEL, A. Ueber die Wirkung von wuchsstoffhaltigen unkrautbekämpfungsmitteln auf Kulturpflanzen und Unkräuter. (Abs.) *Bern. Natforsch. Gesell. Mitt. (n.s.)* 7:XLII-XLV. 1950. 508 B45
- 82561 HAMILTON, R. D., WHITFIELD, C. J., and REA, H. E. Chemical control of blueweed [*Helianthus ciliaris*]. *Tex. Livestock J.* 10(9):56. Sept. 1951. 49 T29
- 82562 HAMILTON, R. D., WHITFIELD, C. J., and REA, H. E. Chemical control of Johnson grass [*Sorghum halepense*] on heavy soil. *Tex. Livestock J.* 10(6):28, 30. June 1951. 49 T29
- 82563 HARRISON, C. M. Controlling grasses in field crops. *Hoard's Dairyman* 96:668. Sept. 10, 1951. 44.8 H65
- 82564 HEAGY, A. B. Report on herbicides. *Assoc. Off. Agr. Chem. J.* 34:674. Aug. 15, 1951. 381 As7 Analysis.
- 82565 HOFSTEN, C. G. VON. The 1950 weed spraying in Gävleborg Province was successful. (In Swedish.) *Tidskr. f. Hushållsk. och Skogsvårdsstyr.* i Gävleborgs Län 26:170-173, 176-177. 1950. 11 T434
- 82566 HOLYOAKE, K. J. Added incentive to counties to control weeds. *New Zeal. J. Agr.* 82:467. June 1951. 23 N48J
- Financial aid to local agencies in New Zealand under the Noxious Weeds Act, 1950.
- 82567 HOPKINS, E. S. Progress in weed control. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:1-7. July 1951. 79.9 C164
- 82568 HORNER, R. M. Our brush and weed control program on Carleton County roads. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:51-52. July 1951. 79.9 C164 In Ontario, Canada.
- 82569 JACOBSON, G. Weed free crops is the goal. (In Swedish.) *Lantmannen* 35:278-281. Apr. 7, 1951. 11 L234
- Chemical weed control.
- 82570 JASMIN, J. J., FERGUSON, W., and LYALL, L. H. Some results with oils of differing aromatic content and other weed control chemicals. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:46-50. July 1951. 79.9 C164
- 82571 LEAH, E. Weeds can be our allies. *Health & Soil, Summer/Autumn* 1951:31-32. 56.8 H34
- 82572 LEKANDER, J. Control of weeds in pine and spruce nurseries with Shell Weedkiller. (In Swedish.) *Svenska Skogsvårdsför. Tidskr.* 49(1):1*-4*. 1951. 99.8 Sk5
- 82573 LIEBENSTEIN, F. L. Weeds, borer and grass silage. *Hormel Farmer* 14(10):8. June 15, 1951. 49 H782
- 82574 MARCELLI, E. Result of the second year of the control of *Cyperus rotundus* L. with "2,4-D." (In Italian.) *Not. sulle Mal. delle Pianta* 14:20-26. Jan./Feb. 1951. 464.8 N84
- English summary, p. 102.
- 82575 MARTIN, J. A. Control of nutgrass [*Cyperus rotundus*] with chloropicrin. *Larvacide Log* 12:14-15. Jan. 1951. 421 L32
- 82576 MEADLY, G. R. W. Large scale chemical weed control in crops. *West. Austral. Dept. Agr. J.* (ser. 2) 28:56-62. Mar. 1951. 23 W52J
- 82577 MURPHY, K. S. Ontario Weed Control Act 1950. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:63-64. July 1951. 79.9 C164
- 82578 NEILSON, J. J. Chemicals and practices for the control of weeds in corn. *Canada. Natl. Weed Comt. East. Sect. Proc.* 4:8-11. July 1951. 79.9 C164

- 82579 ORCHARD, H. E. Weeds of South Australia. Hoary cress (*Lepidium draba*, L.). So. Austral. Dept. Agr. J. 54:491-494, 503. May 1951. 23 So84
- 82580 PAIXAO, J. DA C. The nature of plant hormones and their action as herbicides. (In Portuguese.) Seleç. Agr. 6(63):19-21. July 1951. 9.2 Se4
- 82581 PALFREY, G. D., and ROLAND, A. E. Chemical weed control experiments in Nova Scotia, 1950. Canada. Natl. Weed Comt. East. Sect. Proc. 4:35-39. July 1951. 79.9 C164
- 82582 PEMBERTON, E. J. Common bracken fern (*Pteridium aquilinum*); methods of control. Past. Rev. 61:622. June 16, 1951. 23 Au75
- 82583 PORTER, R. P. Weednix [sodium isopropyl xanthate] a new selective contact weed killer. Larvacide Log 12:29-30. Jan. 1951. 421 L32
- 82584 PURDIE, A. K. 100 per cent kill of hilltop thistles, first major aerial spraying in New Zealand. New Zeal. Farmer 72(10):6-7. July 5, 1951. 23 N484
- 82585 RIPPER, W. E. Chemical weed control in agriculture. Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites de Plantes. Allocations, Proc.-Verb., Rap., Commun. et Résolutions 1:229-237. 1951. 464.9 C767
- 82586 SEALE, C. C., STEPHENS, J. C., and RANDOLPH, J. W. Tests with certain petroleum oils for the control of *Najas guadelupensis* (Spreng.) Morong in South Florida. (Abs.) Assoc. South. Agr. Workers. Proc. 48:175-176. 1951. 4 C82
- 82587 SMITH, O. Planning potatoes for new chemical weed control. Canad. Grower 74(7/8):4. July/Aug. 1951. 80 C16
- 82588 SOKOLOFF, V. P. Biological control of weeds in compacted soil cultures. Science 14:271-274. Sept. 14, 1951. 470 Sci2
- 82589 STEVENS, O. A. Plants and other materials poisonous to livestock. N. Dak. Agr. Col. Ext. C. A-158, 6 p.-folder. May 1951. 275.29 N812Sa
- 82590 STOECKELER, J. H. Hydrocarbon content and storage period affect toxicity of mineral spirits used as selective herbicides for red pine [*Pinus resinosa*] nursery beds. J. Forestry 49:647-649. Sept. 1951. 99.8 J768
- 82591 SUAREZ DE CASTRO, F. Desyerbos con machete y plantas de cobertura en los cafetales. Agr. Trop. 7(6):55-58. June 1951. 26 Ag8
- 82592 SUGGITT, J. W. Chemical control of dormant brush. Canada. Natl. Weed Comt. East. Sect. Proc. 4:53-54. July 1951. 79.9 C164
- 82593 SWEET, R. D. The war against weeds. Mkt. Growers J. 80(9):10-11. Sept. 1951. 6 M34
- 82594 THORUP, S. Known, hated, admired. (In Danish.) Samvirke [København] 24(9):5. May 15, 1951. 280.28 B832
- Dandelion.
- 82595 THORUP, S. Weed control in April. (In Danish.) Dansk Landbr. 70:186-189. Apr. 19, 1951. 280.28 V91
- 82596 THORUP, S. Weed control in spring crops and other crops. (In Danish.) Dansk Landbr. 70:249-250. May 31, 1951. 280.28 V91
- 82597 TINDALL, C. Making good pasture from brushland; 1,000-acre demonstration proves it can be done on large scale. Mo. Rur. 92(16):4-5. Aug. 25, 1951. 6 R8891
- Brush control by spraying.
- 82598 TSITOVICH, I. K., and SNITKO, F. S. Dynamics of weed quantity in [wheat] plantings treated with herbicides. (In Russian.) Akad. Nauk SSSR. Dok. 77:449-452. Mar. 21, 1951. 511 P444A
- 2,4-D, 2M-4K and 2,4-dinitro-o-cresol sodium salt.
- 82599 UEKI, K. Studies on controlling the weeds in the paddy field with 2,4,5-T. (In Japanese.) Botyu-Kagaku 16:96-99. June 1951. 421 B65
- English summary.
- 82600 VIANNA E SILVA, M. Weeds infesting the rice field. I. Indirect control measures. (In Portuguese.) Vida Agr. [Lisboa] 14(84):4-5. July/Aug. 1951. 15.5 V66
- Portugal.
- 82601 VIDME, T. Our most important weapons in the fight against weeds. Norsk Landbr. 17:179-183, 209-213. (Cont.) May 11-25, 1951. 11 N8122
- 82602 WHITE, J. W. The disposal of weed seed screenings. Canada. Natl. Weed Comt. East. Sect. Proc. 4:57-58. July 1951. 79.9 C164
- 82603 WIANCKO, M. R. Where do we stand on the control of couch grass [*Agropyron repens*]. Canada. Natl. Weed Comt. East. Sect. Proc. 4:59-61. July 1951. 79.9 C164
- 82604 WRAAE-JENSEN, H. Weed control in the seed fields. (In Danish.) Dansk Landbr. 70:176-178. Apr. 12, 1951. 280.28 V91
- 82605 WRIGHT, N. Plants poisonous to livestock. Canad. Cattlemen 14(7):12-13, 32; (8):22-23, 26-27. July-Aug. 1951. 49 C16
- 82606 WYMAN, O. L., and HICKEY, J. C. How to control yellow rocket (winter cress) [*Barbarea*]. Maine. Agr. Col. Ext. C. 264, 5 p.-folder. Feb. 1951. 275.29 M281C
- 82607 ZEMPLANSKY, J. Ragweed control programs in New Jersey. N. J. Dept. Health. Pub. Health News 32:275-281. Aug. 1951. 449.7 N46P

MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, Etc.)

- 82608 BARDEL, J. Les Altheas. Rev. Franç. d'Apic. (ser. 2) 64:562-563. Apr. 1951. 424.8 R329
- 82609 BARDEL, J. Le Sophora japonica. Rev. Franç. d'Apic. (ser. 2) 62:507-508. Feb. 1951. 424.8 R329
- 82610 BEARD, F. H. The classification of hop varieties according to their ease of picking. East Mall- ing Res. Sta. Annu. Rpt. 38:187-189. 1950, pub. 1951. 103 Ea7
- 82611 BEARD, F. H. Propagation trials with hops. VII. Number and size of sets produced from strap-cuts of certain varieties. East Mall- ing Res. Sta. Annu. Rpt. 38:190-192. 1950, pub. 1951. 103 Ea7
- 82612 BEHRNDT, C. Arzneipflanzen in forstlicher zwischenkultur. Unser Wald 4(6):6. June 1951. 99.8 Un7
- 82613 BELLAMY, R. F. Nature's cupboard; our yards and lawns are filled with food, as are our forests, fields, and swamps. Fla. Wildlife 5:5-7, 20-21. (Concl.) June 1951. 410 F663
- 82614 CIFERRI, R., and CIFERRI, F. Survey of the cacao exploitation of the Distrito Federal and Carabobo and other States of Venezuela. (In Italian.) Ist. Bot. della U. Pavia. Atti (ser. 5) 1(sup.), 77 p. 1950. 451 P282
- 82615 CONGE, L. Variations sur l'Oxydendrum [i.e. Oxydendrum] arboreum. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 7:219-221. July 1951. 424.9 Sy7
- Also in Gaz. Apic. 52:205-206. July 1951. 424.8 G25
- 82616 COWGIL, W. H. Greatly increased coffee production possible through scientific methods. Indian Coffee Bd. Mon. B 15:44-46, 49. Mar. 1951. 68.29 In23M
- 82617 DROUINEAU, G. Les recherches sur la production des plantes à parfum et le jardin d'essai de Grasse. Indus. de la Parfumerie 6:219-220. June 1951. 308.8 In2
- English summary.
- 82618 DUNBAR, E. V. Land leveling preparation is important to tung harvesting. Amer. Tung News 2(5):4-5. Sept. 1951. 307.8 Am33
- 82619 EHLERT, E. Bienenweide nach trachtschluss. Deut. Bienenztg. 6:59-61. Apr. 1, 1951. 424.8 D488
- 82620 ELZENGA, G. Culture of Valerian. (In Dutch.) Groenten en Fruit 7:57. July 26, 1951. 80 G89
- 82621 ENTRES, K. Löffelkraut *Cochlearia officinalis* L. Obst u. Gart. 6:62-63. Apr. 1951. 80 Ob75
- 82622 FEDERACION NACIONAL DE CAFETEROS. Propagación vegetativa del cafeto. Cent. Nac. de Invest. de Cafe. B. de Ext. 7, 4 p. Feb. 1951. 68.29 C33B
- 82623 FEDERACION NACIONAL DE CAFETEROS. Trazado y siembra de cafetales. Cent. Nac. de Invest. de Cafe. B. de Ext. 9, 8 p. May 1951. 68.29 C33B
- 82624 FLORENCHIE. Notes sur les Derris du Jardin d'Essai. Rev. Hort. de l'Algérie 55:77-79. Mar. 1951. 87 R32
- 82625 GRUGET, E. A. Sus muchos usos hacen económico el cultivo de la esponja vegetal. Mundo Agr. 3(25):82-83. June 1951. 9 M92
- 82626 HEISER, C. B., JR. Some like it hot; the peppers that soothe your palate have burned their names into the pages of history and have been used both as medicine and poison gas. Nat. Hist. 60:307-311. Sept. 1951. 500 N483J
- 82627 HERNANDEZ S., A. Estudio de la zona cacao-tera del Estado Yaracuy. Agr. Venezol. 15(147):24-27. Oct./Nov. 1950. 9.95 Ag8
- Culture; contains a short summary of costs of production.
- 82628 HERTER, G. Las plantas cultivadas en la region uruguaya en el tiempo del Padre Larrañaga. Arch. Fitotec. del Uruguay 4:199-215. 1950. 102.5 Ur8A

- 82629 HOEK, A. P. V. D. Herb culture offers good prospects. (In Dutch.) Overijsselsch Landtbl. 33(1607): 11. June 2, 1951. 12 Ov2
- 82630 ILDEFONSO, F. J., and SOUZA, R. DE. Necessity for the creation of departments for the study, culture, and utilization of our medicinal plants. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 17:224-229. July/Dec. 1950. 9.2 P423
- 82631 JEGGE, O. Der imkerlandwirt und die anpflanzung von hanf, mohn und raps. Schweiz. Bienen-Ztg. 74:283. June 1951. 424.8 Sch9
- 82632 JONG, P. DE. The removal of mosses and lichens from pruned tea. Planters' Chron. 46:312-314. June 15, 1951. 22 P693
- 82633 KIRBY, R. H. Seaweeds in commerce. II. Colon. Plant & Anim. Prod. 1:284-293. Ref. 1950. 472 C71
- 82634 KITH TASSARA, M. Nuevos cultivos forestales en Andalucia; producción de caucho virgen. Campo [Sevilla] 10(107):17-18. Feb. 1951. 15 C15
- Guayule.
- 82635 LAROCHAS, L. L'exploitation du palmier à huile en Afrique Française. Rev. Internatl. des Prod. Colon. 26:62-63. Mar. 1951. 286.8 R326
- 82636 LETOUZEY, R. La cortisone donnera-t-elle une très grande valeur au Strophanthus? Bois et Forêts des Trop. 17:41-48. First Q. 1951. 99.8 B632
- English summary.
- 82637 LOUVRIER, R. Pour une étude systématique de la flore apicole. Gaz. Apic. 52:32-33. Feb. 1951. 424.8 G25
- 82638 LUNA ERCILLA, C. A. Aprovechamiento de las ortigas. Charla Rur. 150:55-57. Apr. 1951. 9 C37
- 82639 MCCLURE, F. A. Bambúes para El Salvador. Cent. Nac. de Agron. B. Téc. 7, 11 p. May 1951. 8 Sa54B
- 82640 MANCEAU, Culture des plantes médicinales; ses possibilités au Maroc. Soc. d'Hort. et d'Acclim. du Maroc. B. 36(152):14-15. First Q. 1951. 87 Sol
- 82641 MERKER, H. Bee pastures in the garden. (In Swedish.) Västerbotten 1:28-30. Feb. 1950. 11 V442
- 82642 MILLE, L. Las plantas medicinales: su recolección y su conservación. Flora [Quito] 7(17/20):87-92. Dec. 1950. 450 F662
- Ecuador.
- 82643 MORAES, H. DE. Replants in our coffee plantations. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 26:382-389. (Concl.) May 1951. 68.29 Sa63
- 82644 MUELLO, A. C. La mandioca: geografía de su cultivo, área de siembra y producción. Pampa Argentina 24(281):20. May 1951. 9 P19
- 82645 O'ROURKE, E. N., JR., and NEFF, M. S. Test trees for cold resistance; freeze damage spurs USDA search for hardier tung varieties. Tung World 6(3):5, 13-14. Aug. 1951. 77.8 T83
- 82646 OVERSACQ, J. Les plantes qui guerissent: le coquelicot. Cour. Hort. 13:362. July 1951. 80 C834
- 82647 PAREDES C., A. Especies industriales de la flora ecuatoriana. B. de Inform. Cient. Nac. 3:432-435. Jan./Feb. 1951. 475 B633
- 82648 PICHEL, R. J. Premiers résultats en matière de sélection précoce chez l'Hévéa. Inst. Natl. pour l'Étude Agron. du Congo Belge. P. Sér. Tech. 39, 43 p. 1951. 24 In7P
- 82649 PORTÈRES, R. Pousses et feuilles alimentaires employées par les peuplades de la zone montagneuse forestière de l'Ouest Africain (des Monts de Loma au Massif des Dans). Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(2):71-80. 1951. 515 C762C
- 82650 PRUNIER, R. Plantes à condiments en Guinée. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(2):93-96. 1951. 515 C762C
- 82651 REGO, J. B. Plantas medicinales de la flora Argentina. Pampa Argentina 24(280):16;(281):5;(282):5. (Cont.) Apr.-June 1951. 9 P19
- 82652 RIVALS, P. La question du quinquina à la Réunion. Rev. Agr. de l'Île de la Réunion (n.s.) 51:5-22. Ref. (Concl.) Jan./Feb. 1951. 25 R32
- Culture.
- 82653 ROUSSY, L. Les merveilles de la flore méditerranéenne: le troène à feuilles ovales [Ligustrum ovalifolium]. Gaz. Apic. 52:163. June 1951. 424.8 G25
- 82654 RUBBER RESEARCH INSTITUTE OF MALAYA Report for the period September 1945 to December 1948. Kuala Lumpur, 1950. 295 p. 78.9 R824A
- 82655 SALMON, E. S. The challenge cups for new varieties of hops. Wye Col. Dept. Hop Res. Annu. Rpt. 1950:68-71. 1951. 70.9 W972
- 82656 SANCHEZ, W. Shading of coffee plants or shading of the soil. (In Portuguese.) Seleç. Agr. 6(63):47-48. July 1951. 9.2 Se4
- 82657 SCOTTISH SEAWEED RESEARCH ASSOCIATION. Annual report 1950. Edinburgh, 1950. 35 p. 451 Sco8
- 82658 SINCOCK, R. L. Oil of lavender, one farmer's crop. Oreg. Farmer 74:575, 590-591. Aug. 16, 1951. 6 Or32
- Growing and distilling lavender.
- 82659 TAYLOR, K. W. Guayule—an American source of rubber. Econ. Bot. 5:255-273. July/Sept. 1951. 450 Ec7
- 82660 TEHON, L. R. The drug plants of Illinois. Ill. Nat. Hist. Survey Div. C. 44, 135 p. July 1951. 410.9 IL6C
- 82661 THOMAS, K. M. Ways and means of increasing yield of coffee in existing plantations. Indian Coffee 15:3-5. Jan. 1951. 68.29 In23M
- 82662 TRAFTON, M., JR. The African oil palm in Honduras. United Fruit Co. Trop. Res. Dept. B. 2, 13 p. Apr. 1951. 93.6 Un32
- 82663 VARGAS BERNAL, S. El sombrero de los cafetales. Rev. Cafetera de Colombia 10:3568-3571. Mar. 1951. 68.28 R32
- 82664 VASEL, C. DE. La Argentina tiene tambien "bosques que lloran" latex en proporciones retributivas. Mundo Agr. 3(25):90-91. June 1951. 9 M92
- 82665 VILANOVA M., T. Caficultura, semilleros y almacigueras. Cent. Nac. de Agron. C. Agr. 42, 8 p. June 1951. 8 Sa54C
- 82666 WALKER, A. Sur l'utilisation par les populations gabonaises de produits végétaux en apparence insignifiants. Cour. Agr. 16(12):2, 4. June 20, 1951. 24 C83
- 82667 WYE COLLEGE. DEPT. OF HOP RESEARCH. Annual report, 1950. Ashford, Kent, 1951. 84 p. 70.9 W972
- 82668 YOFFE, A. The cape goosberry [Physalis peruviana]. (In Hebrew.) Hassadeh 31:384-385. May 1951. 26 H27

SOILS AND FERTILIZERS

SOIL SCIENCE

- 82669 BROWN, N. I. Knowledge of soil properties—a tool for the conservationist and engineer. (Abs.) Assoc. South. Agr. Workers. Proc. 48:169-170. 1951. 4 C82
- 82670 BRYSSINE G. La recherche agronomique; science du sol; compte rendu de participation au IVe Congrès International de la Science du Sol tenu à Amsterdam du 24 juillet au 12 août 1950. Terre Marocaine 25:228-239. July 1951. 24 T44
- 82671 DULK, P. R. DEN. The Haughley Research Farm of the Soil Association. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:162-168. Mar. 1951. 86 N384
- English summary.
- 82672 GRISHIN, A. Rostov Division of the All-Union Society of Soil Scientists. (In Russian.) Pochvovedenie 5: 290-291. May 1951. 57.8 P34
- 82673 HENDERSON, J. R. Florida soils. I. Fla. Cattleman 15(12):26-27, 48-50. Sept. 1951. 43.8 F66
- 82674 JOHNSSON, R. Even a tractor driver should study soil science. (In Swedish.) (Sum.) Lantmannen 35: 348. Apr. 28, 1951. 11 L234
- 82675 PRESCOTT, J. A. Contributions of agricultural research in soils. Austral. Inst. Agr. Sci. J. 17:48-53. Ref. June 1951. 23 Au74
- 82676 PRESCOTT, J. A. Research on South Australian soils. World Crops 3:365-367. Sept. 1951. 281.8 W892
- 82677 PUTNAM, D. F. Soils and their geographical significance. In Taylor, T. G., ed. Geography in the twentieth century; a study of growth, fields, techniques, aims, and trends, p. 221-247. Ref. New York, Philos. Libr., 1951. 331 T21G
- 82678 SOIL SCIENCE SOCIETY OF AMERICA. Proceedings, 1950, v. 15. Madison, Wis., 1951. 442 p. 56.9 So3
- 82679 STADE, H. Ein bohrgerät zur entnahme ungestörter proben. Natwiss. Ver. f. Schleswig-Holstein. Schr. 25:166. 1951. 509 K54
- 82680 TAYLOR, A. J. The value of soil study for its own sake. Farmer [Pietermaritzburg] Feb. 7, 1951:6-7. 24 F228
- Work of the International Soil Congress.

82681 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Proceedings, fourth annual meeting of collaborators with Soil and Fertilizer Laboratory, Feb. 26-28, 1951. Beltsville, 1951. 82 p. 1.965 A2P942

82682 VERNOOY, G. Bodemkunde [Soil science]. Ed. 4. E. L. T. O. Serie 7, 119 p. 1950. 12 EL8

Soil Physics

82683 ADERIKHIN, P. G. Effect of soil structure on phosphoric acid absorption. (In Russian.) Pochvovedenie 4:201-203. Apr. 1951. 57.8 P34

82684 AITCHISON, G. D., BUTLER, P. F., and GURR, C. G. Techniques associated with the use of gypsum block soil moisture meters. Austral. J. Appl. Sci. 2:56-75. Ref. Mar. 1951. 475 Au74

82685 ANDERSSON, S. General soil physics problems. (In Swedish.) (Sum.) Lantmannen 35:347. Apr. 28, 1951. 11 L234

82686 ASGHAR, A. G. Protection of compacted soil surfaces and wearing courses from the harmful effects of salts. Pakistan J. Sci. Res. 2:148-160. Oct. 1950. 475 P173

82687 BLONDEL, L. Mesure de la perméabilité des sols en place avec l'appareil de Müntz modifié. Fruits et Primeurs de l'Afrique du Nord 21:237-240. July/Aug. 1951. 80 F9482

82688 BOUYOUCOS, G. J. A recalibration of the hydrometer method for making mechanical analysis of soils. Agron. J. 43:434-438. Ref. Sept. 1951. 4 Am34P

82689 CHEVALIER, G. Sur la diagnose électrique des états de salure et de sécheresse des sols nord-africains. Fruits et Primeurs de l'Afrique du Nord 21:229-234. July/Aug. 1951. 80 F9482

82690 DREIBELBIS, F. R. A summary of data on soil and air temperatures at the North Appalachian Experimental Watershed, Coshocton, Ohio. Soil Sci. Soc. Amer. Proc. 15:394-399. Ref. 1950, pub. 1951. 56.9 So3

82691 EDMISTER, T. W., and others. Tests of small core samplers for permeability determinations. Soil Sci. Soc. Amer. Proc. 15:417-420. 1950, pub. 1951. 56.9 So3

W. L. Turner, Jr., J. H. Lillard, and F. Steele, joint authors.

82692 EGBERTS, H. Symptoms of desiccation with orchards in the boulder clay landscape. (In Dutch.) Boor en Spade 4:127-129. 1951. 56.9 B64

English summary.
82693 EVANS, D. D., KIRKHAM, D., and FREVERI, R. K. Infiltration and permeability in soil overlying an impermeable layer. Soil Sci. Soc. Amer. Proc. 15:50-54. 1950, pub. 1951. 56.9 So3

82694 EVANS, F. A., and HEMPSON, J. G. G. Electrical soil moisture measurements. Grower [London] 36:367, 369, 371. Aug. 25, 1951. 286.83 M34

82695 EWART, G. Y., and BAYER, I. D. Salinity effects on soil moisture-electrical resistance relationships. Soil Sci. Soc. Amer. Proc. 15:56-63. Ref. 1950, pub. 1951. 56.9 So3

82696 FISCHBACH, P. E., and DULEY, F. L. Intake of water by claypan soils. Soil Sci. Soc. Amer. Proc. 15:404-408. 1950, pub. 1951. 56.9 So3

82697 FRIEDRICH, C. A. Suggestions for manufacture and operation of a six-inch infiltrometer ring. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 104.3 p. July 1951. 1.9622 N3R31

82698 GARDNER, W. H., and GARDNER, W. Flow of soil moisture in the unsaturated state. Soil Sci. Soc. Amer. Proc. 15:42-50. 1950, pub. 1951. 56.9 So3

82699 GARDNER, W. H., GARDNER, W. H., and GARDNER, W. Thermodynamics and soil moisture. Soil Sci. 72:101-105. Aug. 1951. 56.8 So3

82700 HIDE, J. C. The control of evaporation. U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab. 4:59-64. 1951. 1.965 A2P942

82701 HVORSLEV, M. J. Time lag and soil permeability in ground-water observations. U. S. Waterways Expt. Sta. B. 36, 50 p. Ref. Apr. 1951. 152.6 W312

82702 IRMAY, S. Laws of motion of water through soils. Israel. Res. Council. B. 1:130. Mar. 1951. 330.9 Is72B

82703 JAMISON, V. C., WEAVER, H. A., and REED, I. F. The distribution of tractor tire compaction effects in Cecil clay. Soil Sci. Soc. Amer. Proc. 15:34-37. Ref. 1950, pub. 1951. 56.9 So3

82704 MAZURAK, A. P. Aggregation of clay separates from bentonite, kaolin, and a hydrous-mica soil. Soil Sci. Soc. Amer. Proc. 15:18-24. Ref. 1950, pub. 1951. 56.9 So3

82705 MOSOLOV, V. Water and air [in soils]—sources of soil fertility. (In Russian.) Molod. Kolkhoz. 18(4):24-25. Apr. 1951. 110 M73

82706 NASH, K. L. The elements of soil mechanics in theory and practice. London, Constable, 1951. 112 p. 56.43 N17

82707 OHLSSON, S. What effects have tractor wheels on the physical qualities of the soil? (In Swedish.) (Sum.) Lantmannen 35:347-348. Apr. 28, 1951. 11 L234

82708 PAGE, J. B. Relation of soil structure to productivity. (Abs.) Assoc. South. Agr. Workers. Proc. 48:62-63. 1951. 4 C82

82709 PANTANELLI, E. Researches on the percolation of water in the soil. (In Italian.) Ann. della Sper. Agr. (n.s.) 5:819-845. Ref. 1951. 16 An76

English summary.
82710 PONS, L. J. Symptoms of desiccation in the surroundings of Nymwegen. (In Dutch.) Boor en Spade 4:197-207. 1951. 56.9 B64

English summary.
82711 ROBINSON, D. O., and PAGE, J. B. Soil aggregate stability. Soil Sci. Soc. Amer. Proc. 15:25-29. Ref. 1950, pub. 1951. 56.9 So3

82712 ROMANOV, A. A. Soil and ground moisture in the shelterbelts on dark Chestnut soils. (In Russian.) Pochvovedenie 4:211-219. Apr. 1951. 57.8 P34

82713 STEINBRENNER, E. C. An improved method for determining the water permeability of forest soils. Soil Sci. Soc. Amer. Proc. 15:379-381. 1950, pub. 1951. 56.9 So3

82714 STRICKLING, E. The effect of soybeans on volume weight and water stability of soil aggregates, soil organic matter content and crop yield. Soil Sci. Soc. Amer. Proc. 15:30-34. Ref. 1950, pub. 1951. 56.9 So3

82715 TRUTNEV, A. G., and BYLINKINA, V. N. Effect of [forest] burning on change of soil properties. (In Russian.) Pochvovedenie 4:231-237. Ref. Apr. 1951. 57.8 P34

82716 TURK, L. M. Soil structure as affected by different tillage methods and cropping systems. U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab. 4:55-58. 1951. 1.965 A2P942

82717 UHLAND, R. E. Rapid method for determining soil moisture. Soil Sci. Soc. Amer. Proc. 15:391-393. Ref. 1950, pub. 1951. 56.9 So3

82718 VAN BAVEL, C. H. M., and SCHALLER, F. W. Soil aggregation, organic matter, and yields in a long-time experiment as affected by crop management. Soil Sci. Soc. Amer. Proc. 15:399-404. 1950, pub. 1951. 56.9 So3

82719 VEENENBOS, J. S. Desiccation and hydrological conditions of the soils in the "Friese Wouden" (Prov. Friesland). (In Dutch.) Boor en Spade 4:122-126. 1951. 56.9 B64

English summary.

82720 VEENENBOS, J. S. Occurrence of desiccation in the border area of the North Eastern Polder (Zuyder Zee). (In Dutch.) Boor en Spade 4:129-138. 1951. 56.9 B64

English summary.

82721 WOLFE, J. S. Plaster of paris blocks for soil moisture measurement. Grower [London] 36:423-425. Sept. 1, 1951. 286.83 M34

82722 WOODRUFF, C. M. Water retention by clays. Soil Sci. Soc. Amer. Proc. 15:54-56. 1950, pub. 1951. 56.9 So3

Soil Chemistry and Mineralogy

82723 ABBAS, M., and AHMAD, B. Cobalt status of Punjab soils. Pakistan J. Sci. Res. 2:161-164. Ref. Oct. 1950. 475 P173

82724 ALLAWAY, W. H., and RHOADES, H. F. Forms and distribution of phosphorus in the horizons of some Nebraska soils in relation to profile development. Soil Sci. 72:119-128. Ref. Aug. 1951. 56.8 So3

82725 ALLISON, F. E. Ammonium fixation and availability in Harpster clay loam. U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab. 4:48-49. 1951. 1.965 A2P942

82726 ANDERSON, E. El muestreo de suelos. Serv. Coop. Interamer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr. 21:51-52. Feb. 1951. 9.8 P4352

82727 ASLANDER, A. Relation between geologic formation and content of easily soluble plant nutrients in clays of the Uppsala region. Göteborg, Elander, 1950. 43 p. (Stockholm. Tekniska Högskolan. Handlingar. Q 39) 56.24 As5

- 82728 BAIRD, G. B., and MEHLICH, A. The effect of soil exchangeable cations on Swiss chard and cotton. *Soil Sci. Soc. Amer. Proc.* 15:201-205. Ref. 1950, pub. 1951. 56.9 So3
- 82729 BEAVERS, A. H., and MARSHALL, C. E. The cataphoresis of clay minerals and factors affecting their separation. *Soil Sci. Soc. Amer. Proc.* 15:142-145. 1950, pub. 1951. 56.9 So3
- 82730 BIDWELL, O. W., and PAGE, J. B. The effect of weathering on the clay mineral composition of soils in the Miami catena. *Soil Sci. Soc. Amer. Proc.* 15:314-318. Ref. 1950, pub. 1951. 56.9 So3
- 82731 BIRCH, H. F. Relationship between base saturation and crop response to phosphate in acid soils. *Nature [London]* 168:388-389. Sept. 1, 1951. 472 N21
- 82732 BLUME, J. M. Movement of radioactive calcium in soil and plans for a field experiment. *U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Col. Lab. Soil & Fert. Lab.* 4:45-47. 1951. 1.965 A2P942
- 82733 BORASIO, L. Analyses of the soil. (In Italian.) *Risicoltura* 39:51-56. Mar. 1951. 59.8 G43
- 82734 BORLAND, J. W., MACKENZIE, A. J., and HILL, W. L. Contaminants in neutron-irradiated phosphates. *U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab.* 4:40. 1951. 1.965 A2P942
- 82735 BOWER, C. A. Availability of ammonium fixed in difficultly exchangeable form by soils of semi-arid regions. *Soil Sci. Soc. Amer. Proc.* 15:119-122. 1950, pub. 1951. 56.9 So3
- 82736 BROWN, D. A., and ALBRECHT, W. A. Complementary ion effects in soils as measured by cation exchange between electrodialyzed hydrogen clay and soils. *Soil Sci. Soc. Amer. Proc.* 15:133-138. Ref. 1950, pub. 1951. 56.9 So3
- 82737 CADY, J. G. Rock weathering and soil formation in the North Carolina Piedmont region. *Soil Sci. Soc. Amer. Proc.* 15:337-342. 1950, pub. 1951. 56.9 So3
- 82738 CARRIGAN, R. A., and ERWIN, T. C. Cobalt determination in soils by spectrographic analysis following chemical preconcentration. *Soil Sci. Soc. Amer. Proc.* 15:145-149. Ref. 1950, pub. 1951. 56.9 So3
- 82739 CARRIGAN, R. A. Controlling the accuracy of routine pH tests. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:55. 1951. 4 C82
- 82740 CHESNIN, L., and YIEN, C. H. Turbidimetric determination of available sulfates. *Soil Sci. Soc. Amer. Proc.* 15:149-151. Ref. 1950, pub. 1951. 56.9 So3
- 82741 CHIRKOV, F. V. Peculiarities in phosphoric acid ion absorption by various soils. (In Russian.) *Pochvovedenie* 3:174-182. Ref. Mar. 1951. 57.8 P34
- 82742 CHRISTENSEN, P. D., TOTH, S. J., and BEAR, F. E. The status of soil manganese as influenced by moisture, organic matter, and pH. *Soil Sci. Soc. Amer. Proc.* 15:279-282. Ref. 1950, pub. 1951. 56.9 So3
- 82743 COLE, C. V., and JACKSON, M. L. Solubility equilibrium constant of dihydroxy aluminum dihydrogen phosphate relating to a mechanism of phosphate fixation in soils. *Soil Sci. Soc. Amer. Proc.* 15:84-89. Ref. 1950, pub. 1951. 56.9 So3
- 82744 COLEMAN, N. T., and others. On the validity of interpretations of potentiometrically measured soil pH. *Soil Sci. Soc. Amer. Proc.* 15:106-114. 1950, pub. 1951. 56.9 So3
- D. E. Williams, T. R. Nielsen, and H. Jenny, joint authors.
- 82745 COLEMAN, O. T. Every Missouri farmer can have his soil tested. *Agr. Leaders' Digest* 32(8):10-12, 56. Sept. 1951. 275.28 Am3
- 82746 DAVIS, L. E. Report on hydrogen-ion concentration of soils. *Assoc. Off. Agr. Chem. J.* 34:588-589. Aug. 15, 1951. 381 As7
- 82747 DAWSON, J. E., DANIELSON, R. E., and CAMERON, D. M. A study of the exchange of calcium for hydrogen in wood peat by activity methods. *Soil Sci. Soc. Amer. Proc.* 15:292-297. Ref. 1950, pub. 1951. 56.9 So3
- 82748 DEMOLON, A., and BOISCHOT, P. Réaction des sols à l'apport de phosphates solubles. Doses isodyniques. *Acad. des Sci. Compt. Rend.* 233:509-512. Aug. 13, 1951. 505 P21
- 82749 DRAKE, M., VENGRIS, J., and COLBY, W. G. Cation-exchange capacity of plant roots. *Soil Sci.* 72: 139-147. Ref. Aug. 1951. 56.8 So3
- 82750 EDELMAN, C. H., and SMET, L. A. H. DE. Decalcification of Dollard-clay. (In Dutch.) *Boor en Spade* 4:104-114. 1951. 56.9 B64
- English summary.
- 82751 EID, M. T., BLACK, C. A., and KEMP THORNE, O. Importance of soil organic and inorganic phosphorus to plant growth at low and high soil temperatures. (Abs.) *Soil Sci. Soc. Amer. Proc.* 15:89. 1950, pub. 1951. 56.9 So3
- 82752 FARKAS, L., and LITMAN, H. L. The formation of "salt tables" in natural and artificial solar pans. *Israel. Res. Council. B.* 1:36-39. Mar. 1951. 330.9 Is72B
- 82753 FITZGERALD, O. A. The ABC's of soil sampling. *Ford Farming* 4(2):5. Spring 1951. 58.8 F752
- 82754 FRIED, M. A concept concerning the measurement of available soil nutrients. *U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab.* 4:41-42. 1951. 1.965 A2P942
- 82755 FUJIMOTO, G., and SHERMAN, G. D. Molybdenum content of typical soils and plants of the Hawaiian Islands. *Agron. J.* 43:424-429. Ref. Sept. 1951. 4 Am34P
- 82756 GANTIMUROV, I. I. Electrodialysis of soils as an oxidation-reduction process. (In Russian.) *Kolloid. Zhur.* 13:94-98. Ref. Mar./Apr. 1951. 385 K83
- 82757 HARRIS, H. C., and others. Radioactive calcium in the study of additive and native supplies in the soil. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:181. 1951. 4 C82
- W. H. MacIntyre, C. L. Comar, W. M. Shaw, S. H. Winterberg, and S. L. Hood, joint authors.
- 82758 HASEMAN, J. F., LEHR, J. R., and SMITH, J. P. Mineralogical character of some iron and aluminum phosphates containing potassium and ammonium. *Soil Sci. Soc. Amer. Proc.* 15:76-84. Ref. 1950, pub. 1951. 56.9 So3
- 82759 HAWKINS, R. H., and GRAHAM, E. R. Mineral contents of the silt separates of some Missouri soils as these indicate the fertility level and degree of weathering. *Soil Sci. Soc. Amer. Proc.* 15:308-313. Ref. 1950, pub. 1951. 56.9 So3
- 82760 HAYASHI, T. Study on the form and type of soil humus. *Tottori U. Facul. Agr. J.* 1:1-52. Ref. Feb. 1951. 107.6 T643
- 82761 HILTBOLD, A. E., BARTHOLOMEW, W. V., and WERKMAN, C. H. The use of tracer techniques in the simultaneous measurement of mineralization and immobilization of nitrogen in soil. *Soil Sci. Soc. Amer. Proc.* 15:166-173. 1950, pub. 1951. 56.9 So3
- 82762 HUTTON, C. E. Studies of the chemical and physical characteristics of a chrono-litho-sequence of loess-derived prairie soils of southwestern Iowa. *Soil Sci. Soc. Amer. Proc.* 15:318-324. Ref. 1950, pub. 1951. 56.9 So3
- 82763 JETNE, M. Much of the soil in the coastal districts is too rich in lime. (In Norwegian.) *Landbruks-tidende* 57:247. Mar. 28, 1951. 11 L236
- 82764 JEWELL, W. R. The analysis of soils; directions for taking samples. *Victoria. Dept. Agr. J.* 49:296. June 1951. 23 V66J
- 82765 JOOS, L. L., and BLACK, C. A. Availability of phosphate rock as affected by particle size and contact with bentonite and soil of different pH values. *Soil Sci. Soc. Amer. Proc.* 15:69-75. 1950, pub. 1951. 56.9 So3
- 82766 JORDAN, H. V., and CROCKETT, S. P. Effects of growing kudzu on some chemical and physical soil properties. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:53. 1951. 4 C82
- 82767 JOUIS, E., and LECACHEUX, M. T. Conditions d'emploi des méthodes rapides dans l'analyse des sols. *France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron.* 2:102-109. Mar./Apr. 1951. 14 F8499
- 82768 KATALYMOV, M. V. Causes of decreased availability of boron to plants during liming of soils. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:863-866. Feb. 21, 1951. 511 P444A
- Experiments with mustard.
- 82769 LAWS, W. D. Water-soluble silicate application to a calcareous clay soil and effect on soil properties and nutrient uptake by plants. *Soil Sci. Soc. Amer. Proc.* 15:89-92. 1950, pub. 1951. 56.9 So3
- 82770 LEGHIS, L. M. Les mesures du P. H. en agriculture. *Paysan Franc.* 27(404):9. Aug. 1951. 14 P29
- In soils.
- 82771 LIPPS, R. C., and CHESNIN, L. The phosphorus status of some Azonal, Prairie, and Chernozem soils in eastern Nebraska. *Soil Sci. Soc. Amer. Proc.* 15: 329-333. Ref. 1950, pub. 1951. 56.9 So3
- 82772 LÖHNIS, M. P. Manganese toxicity in field and market garden crops. *Plant & Soil* 3:193-222. Ref. July 1951. 450 P696

- 82773 LYND, J. Q., and TURK, L. M. Preparation of permanent plastic color standards for rapid soil and plant tissue testing. *Soil Sci. Soc. Amer. Proc.* 15:152-153. 1950, pub. 1951. 56.9 So3
- 82774 MCCLELLAND, J. E. The effect of time, temperature, and particle size on the release of bases from some common soil-forming minerals of different crystal structure. *Soil Sci. Soc. Amer. Proc.* 15:301-307. Ref. 1950, pub. 1951. 56.9 So3
- 82775 MCCLUNG, A. C., and DAWSON, J. E. Some studies on the behavior of soil boron under cropping. *Soil Sci. Soc. Amer. Proc.* 15:268-272. Ref. 1950, pub. 1951. 56.9 So3
- 82776 MACINTIRE, W. H., HARDIN, L. J., and JONES, L. S. Report on fluorine; the direct double distillation procedure for the determination of the fluorine content of soils. *Assoc. Off. Agr. Chem. J.* 34:597-603. Ref. Aug. 15, 1951. 381 As7
- 82777 MCLEAN, E. O. Interrelationships of potassium, sodium, and calcium as shown by their activities in a beddellite clay. *Soil Sci. Soc. Amer. Proc.* 15:102-106. 1950, pub. 1951. 56.9 So3
- 82778 MARIMPIETRI, L., MORANI, V., and GISONDI, A. Determination of the phosphoric anhydride readily assimilable in the soil. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:761-770. 1951. 16 An76
English summary.
- 82779 MARISELLI, J. A. Algunas consideraciones sobre el suelo para su mejor conocimiento y estudio. *Mensajero Agr.* 61:45-47. May 1951. 9.8 M52
- 82780 MARTIN, J. P., and CHAPMAN, H. D. Loss of ammonia nitrogen. *Citrus Leaves* 31(9):9-10. Sept. 1951. 80 C492
- 82781 MEHLICH, A., REITEMEIER, R. F., and MASON, D. D. Report on exchangeable potassium in soils. *Assoc. Off. Agr. Chem. J.* 34:589-595. Aug. 15, 1951. 381 As7
- 82782 MENZEL, R. G., and JACKSON, M. L. Mechanism of sorption of hydroxy cupric ion by clays. *Soil Sci. Soc. Amer. Proc.* 15:122-124. 1950, pub. 1951. 56.9 So3
- 82783 MERWIN, H. D., and PEECH, M. Exchangeability of soil potassium in the sand, silt, and clay fractions as influenced by the nature of the complementary exchangeable cation. *Soil Sci. Soc. Amer. Proc.* 15:125-128. 1950, pub. 1951. 56.9 So3
- 82784 MOLFINO, R. H. Por que la acidez del suelo se representa por el simbolo pH? *Pampa Argentina* 24 (280):3, 21. Apr. 1951. 9 P19
- 82785 NELLER, J. R., and others. Leaching of phosphorus in sandy soils and relation to lime and pH. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:57. 1951. 4 C82
D. W. Jones, N. Gammon, Jr., and R. B. Forbes, joint authors.
- 82786 OLSON, R. V. Effects of acidification, iron oxide addition, and other soil treatments on sorghum chlorosis and iron absorption. *Soil Sci. Soc. Amer. Proc.* 15:97-101. Ref. 1950, pub. 1951. 56.9 So3
- 82787 PEARSON, R. W. Techniques used in clay mineral studies. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:48-49. 1951. 4 C82
Soil analysis.
- 82788 PEECH, M., and SCOTT, A. D. Determination of ionic activities in soil-water systems by means of the Donnan membrane equilibrium. *Soil Sci. Soc. Amer. Proc.* 15:115-119. 1950, pub. 1951. 56.9 So3
- 82789 PERKINS, A. T., and DRAGSDORF, R. D. Decomposition of bentonite as influenced by adsorbed hydrogen and calcium plus grinding. *Soil Sci. Soc. Amer. Proc.* 15:93-97. Ref. 1950, pub. 1951. 56.9 So3
- 82790 PHILLIPPE, M. M., and WHITE, J. L. Quantitative estimation of minerals in the fine sand and silt fractions of soils with the Geiger counter X-ray spectrometer. *Soil Sci. Soc. Amer. Proc.* 15:138-142. Ref. 1950, pub. 1951. 56.9 So3
- 82791 REITEMEIER, R. F., BROWN, I. C., and HOLMES, R. S. Release of native and fixed nonexchangeable potassium of soils containing hydrous mica. *U. S. Bur. Plant Indus., Soils & Agr. Engin. Res. Rpt.* 224, 67 p. Ref. June 26, 1951. 1.965 S4R312
- 82792 RICHARDSON, H. L. Soil acidity and liming with tropical crops. *World Crops* 3:339-340. Sept. 1951. 281.8 W892
- 82793 ROUX, E., and HUSSON. Méthode spectrographique de dosage des éléments minéraux dans le sol et les plantes. *France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron.* 2:154-160. Mar./Apr. 1951. 14 F8499
- 82794 ROY, B. B., and THOMAS, B. The phosphate reserves in some old permanent pasture plots. *Empire J. Expt. Agr.* 19:175-184. Ref. July 1951. 10 Em7
- 82795 SEMB, G. investigations of the analytical accuracy of soluble-potassium and phosphoric-acid determinations in soil samples. (In Norwegian.) *Norges Landbrhøgsk. Meld.* 30:291-312. Ref. 1950. 104 N762M
English summary.
- 82796 SHAW, E. The zinc nutrient status of soils. *U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab.* 4:43-44. 1951. 1.965 A2P942
- 82797 SINCOCK, R. L. How good are soil tests? *Wash. Farmer* 76:543, 556-557. Aug. 2, 1951. 6 R151
- 82798 WEENIG, C. F. Crystalline ironoxides and -oxy-hydroxides in the soil. (In Dutch.) *Boor en Spade* 4:54-67. Ref. 1951. 56.9 B64
English summary.
- 82799 WHITE, J. L. Transformation of illite into montmorillonite. *Soil Sci. Soc. Amer. Proc.* 15:129-133. 1950, pub. 1951. 56.9 So3
- 82800 WIKLANDER, L. Equilibria in ion exchange. I. Influence of the proportions of the exchanging ions. *Acta Agr. Scand.* 1:191-202. 1951. 11 Ac82
- 82801 WINTERS, E. Soil testing in the Southern region. *U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab.* 4:57-58. 1951. 1.965 A2P942

Soil Biology

- 82802 ALLISON, F. E., and DOETSCH, J. Nitrogen gas production by the reaction of nitrites with amino acids in slightly acidic media. *Soil Sci. Soc. Amer. Proc.* 15:163-166. 1950, pub. 1951. 56.9 So3
- 82803 BORNEBUSCH, C. H. Effect of insect poison on the soil fauna. (In Danish.) *Dansk Skovfor. Tidsskr.* 36:355-364. July 1951. 99.8 D23
- 82804 BOSWELL, J. G., and SHELDON, J. The microbiology of acid soils. II. Ringinglow Bog, near Sheffield. *New Phytol.* 50:172-178. Aug. 1951. 450 N42
- 82805 BROADBENT, F. E. Denitrification in some California soils. *Soil Sci.* 72:129-137. Ref. Aug. 1951. 56.8 So3
- 82806 DRIFT, J. VAN DER. Analysis of the animal community in a beech forest floor. *Tijdschr. v. Ent.* 94:1-168. Ref. June 1, 1951. 421 T21
- 82807 DUCHE, J. Biologie des sols dans les régions tropicales. *Indus. Natl.* 4(sup.):168-170. 1950. 473 In2
- 82808 ERDMAN, L. W. The effectivity of different strains of *Rhizobium* on annual and perennial *Lespedeza*s. *Soil Sci. Soc. Amer. Proc.* 15:173-176. Ref. 1950, pub. 1951. 56.9 So3
- 82809 FEDOROV, M. V. On the mechanics of participation of hematinic pigments in the fixation of molecular nitrogen by nodule bacteria. (In Russian.) *Akad. Nauk SSSR. Dok.* 76:917-920. Feb. 21, 1951. 511 P444A
- 82810 FRANCÉ-HARRAR, A. 500 millioner organismer je kubikcentimeter humus. *Orion* 6:337-341. May 1951. 474 Or4
- 82811 GORING, C. A. I., and BARTHOLOMEW, W. V. Microbial products and soil organic matter. III. Adsorption of carbohydrate phosphates by clays. *Soil Sci. Soc. Amer. Proc.* 15:189-194. Ref. 1950, pub. 1951. 56.9 So3
- 82812 GUILD, W. J. M. The Lumbricidae in upland areas. I. Population variation in a small glen. *Ann. & Mag. Nat. Hist. (ser. 12)* 4:653-657. July 1951. 410 An77
- 82813 JAHN, E., and SCHIMITSCHEK, G. Bodenkundliche und bodenzoologische untersuchungen über auswirkungen von waldbränden im hochgebirge. *Osterr. Vierteljahresschr. f. Forstw.* 92:36-44. Ref. (Cont.) 1951. 99.8 Oe8
- 82814 LFMOIGNE, M., GIRARD, H., and JACOBELLI, G. Recherches d'écologie microbienne. I. Décomposition du saccharose par les microbes du sol en présence de nitrate ou d'un sel ammoniacal. *France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron.* 2:89-101. Mar./Apr. 1951. 14 F8499
- 82815 LYNCH, D. L., and SEARS, O. H. Differential response of strains of *Lotus* nodule bacteria to soil treatment practices. *Soil Sci. Soc. Amer. Proc.* 15:176-180. 1950, pub. 1951. 56.9 So3
- 82816 MCCALLA, T. M., and GOODING, T. H. Microorganisms and their effects on crops and soils. *Nebr. Agr. Expt. Sta. C.* 90, 16 p. Apr. 1951. 100 N27

- 82817 MCCALLA, T. M. Studies on the effect of microorganisms on rate of percolation of water through soils. *Soil Sci. Soc. Amer. Proc.* 15:182-186. Ref. 1950, pub. 1951. 56.9 So3
- 82818 MALYSHKIN, P. E. Effect of soil microorganisms on growth of oak. (In Russian.) *Pochvovedenie* 5:280-288. May 1951. 57.8 P34
- 82819 MARTIN, J. P., and HARDING, R. B. Comparative effects of two bacterial growth preventives, acid (pH 4) and rose bengal plus streptomycin, on the nature of soil fungi developing on dilution plates. *Soil Sci. Soc. Amer. Proc.* 15:159-162. 1950, pub. 1951. 56.9 So3
- 82820 MONTANER GIRO, J. Los microbios y la vida vegetal. I. *Cult. Mod.* 34:211-212. June 1951. 15 C89
Soil bacteria and fungi, formation of humus, and nitrogen fixation.
- 82821 NOMURA, S., and USUKI, I. Oxidation-reduction potential and pH in the soil of the habitat of earthworms. *Tôhoku U. Sci. Rpt. Ser. 4 (Biol.)* 19:104-112. Ref. Mar. 1951. 513 T574Ab
- 82822 OLSEN, R. J., and STEVENS, K. R. Further evidence of antibiotics from Utah soils. *Farm & Home Sci. [Utah Sta.]* 12:34-35, 40. June 1951. 100 U1F
- 82823 PONCHON, J., and BAY. La cellulolyse bactérienne—importance des techniques pour son étude. *Inst. Pasteur. Ann.* 81(2):179-186. Aug. 1951. 448.3 An75
Includes soil biology.
- 82824 PSCHORN-WALCHER, H. Die bedeutung der bodentierwelt für den lebenshaushalt des waldes. *Allg. Forstz.* 6:336-337. Aug. 22, 1951. 99.8 AL52
- 82825 SEIFERT, J. A soil-biological study of forest associations in Velka Fatra. (In Czech.) *Lesn. Práce* 29:343-356. 1950. 99.8 L56
English summary.
- 82826 TIMONIN, M. I., and THEXTON, R. H. The rhizosphere effect of onion and garlic on soil microflora. *Soil Sci. Soc. Amer. Proc.* 15:186-189. Ref. 1950, pub. 1951. 56.9 So3
- 82827 VIETS, F. G., JR., and CRAWFORD, C. L. The influence of nitrogen supply on the growth and nitrogen fixation of hairy vetch. *Soil Sci. Soc. Amer. Proc.* 15:234-237. 1950, pub. 1951. 56.9 So3
- 82828 WAKSMAN, S. A., HARRIS, D., and LECHEVALIER, M. Studies on Streptomyces lavendulae. *J. Bact.* 62:149-161. Ref. Aug. 1951. 448.3 J82
Isolation of streptothricin from soil fungi.
- 82829 WARCUP, J. H. Studies on the growth of Basidiomycetes in soil. *Ann. Bot. (n.s.)* 15:305-317. Ref. July 1951. 450 An7
- Soil-Plant-Animal Relationships**
- 82830 BADENOCH, A. G. The minerals in plant and animal nutrition. *Health & Soil, Summer/Autumn* 1951:45-48. Ref. 56.8 H34
- 82831 CLARKE, G. Soil fertility and disease resistance. *Health & Soil, Summer/Autumn* 1951:22-23. 56.8 H34
- 82832 DELBET, P., DEPEYRE, G. P., and HEINEMANN, H. Appauvrissement du sol en magnésium et ses conséquences. *Acad. Natl. de Méd. B. (ser. 3)* 135:169-173. Mar. 6/13, 1951. 448.9 P21
Soil plant-animal relations.
- 82833 HILPOLTSTEINER, L. Das mineralstoffproblem für die landwirtschaftliche forschung im system boden, pflanze, tier. *Landwrt. Jahrb. f. Bayern* 28(5/6): 3-29. Ref. May/June 1951. 18 L24
- 82834 MYERS, H. E. Proper use of fertilizer can improve animal nutrition. *East. Feed Merchant* 2(9):24-25, 58, 60. Sept. 1951. 389.78 Ea7
- 82835 REYNOLDS, E. B., FUDGE, J. F., and JONES, J. M. Supplying phosphorus to range cattle. *Tex. Live-stock J.* 10(9):9, 20. Sept. 1951. 49 T29
- 82836 WEIDRINGER. Eine befriedigende stall-leistung setzt eine entsprechende bodenleistung voraus. *Milcherzeuger* 9:27-29. Aug. 1951. 43.8 M592
- Soil Genesis, Formation, Classification, and Mapping**
- 82837 ABLEITER, J. K. Correlation and classification of soils. *U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab.* 4:68-70. 1951. 1.965 A2P942
- 82838 ALLAWAY, W. H. Some problems in soil survey interpretation. *U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab.* 4:71-73. 1951. 1.965 A2P942
- 82839 BAILEY, H. H. Peat formation in the Tropics and subtropics. *Soil Sci. Soc. Amer. Proc.* 15:283-284. Ref. 1950, pub. 1951. 56.9 So3
- 82840 BAKKER, J. P. Sedimentation and soil profile development especially in the northern Savanna region of Suriname (Dutch Guyana). (In Dutch.) *Landbk. Tijdschr.* 63:379-391. Ref. June 1951. 105.2 Or3
English summary.
- 82841 BEAR, F. E., and CRAVER, R. K. What's your soil good for? *N. J. Farm & Gard.* 22(9):12-13, 57. Sept. 1951. 6 G162
Classifying for capability in New Jersey.
- 82842 BENNEMA, J. Soil survey of the area north of Abcoude. (In Dutch.) *Boor en Spade* 4:228-238. 1951. 56.9 B64
English summary.
Soil structure.
- 82843 BENNEMA, J. The southern region of pools near the river Vecht. (In Dutch.) *Boor en Spade* 4:222-228. 1951. 56.9 B64
English summary.
Soil types.
- 82844 BURCK, P. DU. Names of fields and blocks in a West-Friesian district. (In Dutch.) *Boor en Spade* 4:335-347. Ref. 1951. 56.9 B64
English summary.
- 82845 BURINGH, P. The soil of Gelderland. V. (In Dutch.) *Gelders Landbbl.* 14(19):16. May 12, 1951. 12 G282
- 82846 CARROLL, D., and WOOF, M. Laterite developed on basalt at Inverell, New South Wales. *Soil Sci.* 72:87-99. Ref. Aug. 1951. 56.8 So3
- 82847 DECKERS, J., and GULLENTOPS, F. Quelques sols importants de Haute-Ardenne et leur évolution (partim Le Plateau des Tailles). *Soc. Cent. Forest. de Belg. B.* 58:10-15. Jan. 1951. 99.9 B83
- 82848 DRISKELL, B. N. Some chemical and X-ray soil profile characteristics of the Baldwin, Iberia and Buxin series in relation to field classification. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:55-56. 1951. 4 C82
- 82849 DULHUNTY, J. A. Nature and occurrence of peat at Hazelbrook, New South Wales. *Roy. Soc. N. S. Wales. J. & Proc.* 83:228-231. 1949, pub. 1950. 514 Sy24
- 82850 DURAND, J. Sur quelques sols de la forêt de l'Akfadou et des environs de Yakouren (Grande Kabylie). *France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron.* 2:110-126. Mar./Apr. 1951. 14 F8499
- 82851 EDELMAN, C. H., and STEUR, G. G. L. Niveofluvial formations on the Western Veluwe. (In Dutch.) *Boor en Spade* 4:39-46. 1951. 56.9 B64
English summary.
- 82852 EDELMAN, C. H. Recent results of the soil survey of the river clay region. (In Dutch.) *Boor en Spade* 4:1-14. Ref. 1951. 56.9 B64
English summary.
- 82853 EKSTRÖM, A. What do the soil maps tell us? (In Swedish.) *Västerbotten* 1:7-9. Feb. 1950. 11 V442
- 82854 ELLIS, B. S. The soils of Rhodesia. *Rhodesia Agr. J.* 48:182-212. Mar./Apr. 1951. 24 R34
- 82855 FODERA, O. Monographs on soil characteristics in the United States. (In Italian.) *Riv. del Catasto e del Serv. Tec. Erariali (n. s.)* 6:103-112. Ref. 1951. 280.8 R523
Soil surveys.
- 82856 HAANS, J. C. F. M. "Kliet"-soils. (In Dutch.) *Boor en Spade* 4:21-24. 1951. 56.9 B64
English summary.
- 82857 HESTER, J. B., ISAACS, R. L., JR., and SHELTON, F. A. Know your soil. X. Woodstown sandy loam. *Better Crops Plant Food* 35(7):13-14, 40. Aug./Sept. 1951. 6 B46
- 82858 ISAACSON, M. R. Land classification assures proper usage. *West. Farm Life* 53(17):5, 31. Sept. 1, 1951. 6 R153
- 82859 KRUPENIKOV, I. A. Chernozem-like soils of the saline groups of North-Western Kazakhstan and their utilization. (In Russian.) *Pochvovedenie* 5:270-275. May 1951. 57.8 P34
- 82860 KURGANSKIY, A. G. Some problems in the description of soils of the South-East [U.S.S.R.]. (In Russian.) *Pochvovedenie* 3:145-157. Ref. Mar. 1951. 57.8 P34
- 82861 NISPEN TOT PANNERDEN, J. E. M. VAN. Soil conditions in the municipality of Venray (Prov. Limburg). (In Dutch.) *Boor en Spade* 4:261-269. 1951. 56.9 B64
English summary.

- 82862 OAKES, H., and THORP, J. Dark-clay soils of warm regions variously called Rendzina, Black Cotton soils, Regur, and Tirs. *Soil Sci. Soc. Amer. Proc.* 15: 347-354. Ref. 1950, pub. 1951. 56.9 So3
- 82863 PIERCE, R. S. Prairie-like mull humus, its physico-chemical and microbiological properties (a contribution to the classification of forest humus). *Soil Sci. Soc. Amer. Proc.* 15:362-364. 1950, pub. 1951. 56.9 So3
- 82864 POULSON, E. N., and SWARNER, L. R. Land classification; one of the most important tools of reclamation-project planners, a land classification is of primary importance in every irrigation development. *Utah Farmer* 71:648,680,683. Aug. 16, 1951. 6 D45
- 82865 RAVIKOVITCH, S. The brown-red sandy soils of the Sharon and of the Shephela. (In Hebrew.) *Jewish Agency Palestine. Agr. Res. Sta. Ktavim* 1:1-39. Ref. Dec. 1950. 107 J552
Abridged English translation, p. 1-12.
- 82866 REMEZOV, N. P. Soils of the pine forests of the forest-steppe and southern forest areas. (In Russian.) *Pochvovedenie* 5:257-269. May 1951. 57.8 P34
- 82867 RYZHOV, S. N., and SUCHKOV, S. P. Principles of agricultural soil classification in irrigated lands and differentiation of agronomical practices in cotton culture. (In Russian.) *Pochvovedenie* 3:158-166. Mar. 1951. 57.8 P34
- 82868 SADOVNIKOV, I. F. Soil cartography in Russia before the Great October Socialist Revolution. (In Russian.) *Pochvovedenie* 4:220-230. Ref. Apr. 1951. 57.8 P34
- 82869 SCHANS, R. P. H. P. VAN DER. The survey-areas of the Soil Survey Institute. (In Dutch.) *Boor en Spade* 4:87-100. 1951. 56.9 B64
English summary.
- 82870 SHEARIN, A. E. Some characteristics of the soils of the Dismal Swamp section of Pasquotank County, North Carolina. *Soil Sci. Soc. Amer. Proc.* 15:343-347. 1950, pub. 1951. 56.9 So3
- 82871 SHRADER, W. D. Differences in the clay contents of surface soils developed under prairie as compared to forest vegetation in the central United States. *Soil Sci. Soc. Amer. Proc.* 15:333-337. 1950, pub. 1951. 56.9 So3
- 82872 SMET, L. A. H. DE. "Rodoorn"-soils in the Dollard-region (Prov. Groningen). (In Dutch.) *Boor en Spade* 4:114-122. Ref. 1951. 56.9 B64
English summary.
- 82873 SMITH, G. D., and RIECKEN, F. F. Brunigra soils, a new name for prairie soils. *Soil Sci. Soc. Amer. Proc.* 15:355. 1950, pub. 1951. 56.9 So3
- 82874 SMITH, G. D. The mapping of soils in the field. U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab. 4:65-67. 1951. 1.965 A2P942
- 82875 TALAKHADZE, G. R. Some conditions [in the formation process] which determine the nature of forest soils in Eastern Georgia [U.S.S.R.]. (In Russian.) *Pochvovedenie* 5:276-279. Ref. May 1951. 57.8 P34
- 82876 TEAKLE, L. J. H. Notes on the soils of coastal Queensland and portions of the hinterland with special reference to the tropical latitudes. Queensland. U. Facul. Agr. Papers 1,40 p. Ref. 1950. 101 Q32
- 82877 ULRICH, R. Some chemical changes accompanying profile formation of the nearly level soils developed from Peorian loess in southwestern Iowa. *Soil Sci. Soc. Amer. Proc.* 15:324-329. 1950, pub. 1951. 56.9 So3
- 82878 WHITLOCK, H. W. Preparation and publication of soil maps. U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab. 4:74-76. 1951. 1.965 A2P942
- 82879 WILDE, S. A. Crypto-mull humus: its properties and growth effects (a contribution to the classification of forest humus). *Soil Sci. Soc. Amer. Proc.* 15:360-362. Ref. 1950, pub. 1951. 56.9 So3
- SOIL MANAGEMENT**
- 82880 ANDERSON, E. El problema de los suelos salinos y de alcali en la costa del Perú. *Serv. Coop. Interamer. de Prod. de Aliment. Ser. Inform. Tec.* 50,8 p. Feb. 1950. 9.8 Se6
- 82881 ARNOLD, K., and others. Use of fire in land clearing. *Calif. Agr. [Calif. Sta.]* 5(6):13-15;(7):6,15. June-July 1951. 100 C12Cag
- L. T. Burcham, R. L. Fenner, and R. F. Grah, joint authors.
- 82882 AUBERT, G. Les sols et l'aménagement agricole de l'Afrique Occidentale Française. *Cahiers des Ingén. Agron.* 6:21-24. Second Q. 1951. 14 C112
- 82883 BROWN, B. A., and others. Causes of very poor growth of crops on a formerly productive soil. *Soil Sci. Soc. Amer. Proc.* 15:240-243. 1950, pub. 1951. 56.9 So3
A. Hawkins, E. J. Rubins, A. V. King, and R. I. Munsell, joint authors.
- 82884 BROWNING, D. R. The New Forest Pastoral Development Scheme [England]. *Gt. Brit. Min. Agr. Agriculture* 58:226-233. Aug. 1951. 10 G79J
- 82885 BURLEY, R. Soil rodeos; new teaching tool in Oklahoma. *Acco Press* 29(8):1-3. Aug. 1951. 6 Ac2
How to save the soil and improve the land.
- 82886 CAMPBELL, F. M. Reclaiming land from brush and thorns. *Ontario Crop Impr. Assoc. Addresses & Proc.* 13:81-83. 1951. 64.9 On83
- 82887 DAY, R. Stapleton—organic airport. *Org. Farmer* 3(2):32-35. Sept. 1951. 57.8 Or3
- 82888 ECKMÜLLNER, O. Standortssanierung - grossaufgabe der österreichischen forstwirtschaft. *Osterr. Forst- u. Holzwirt.* 5:350-351. Nov. 21, 1951. 99.81 Os7
Improvement of soils.
- 82889 ELGUETA, M. El uso racional del suelo. *Asoc. Gen. de Agr.* B. 292:3. Apr. 15, 1951. 8 As52
- 82890 FUSSELL, G. E. William Grisenthwaite of Wells, Norfolk, fl. 1819; an apothecary's theory of farming. *Fert. Feed. Stuffs & Farm Supplies J.* 37:545-548. Sept. 5, 1951. 57.8 F413
- 82891 HUTCHINSON, J. Fertility without leys. *Farmers Wk. [London]* 35(8):52-53. Aug. 24, 1951. 10 F2226
Soil and farm management on a farm in the Isle of Thanet.
- 82892 JACKSON, J. K., and SHAWKI, M. K. Shifting cultivation in the Sudan with particular reference to forestry. *Sudan Notes & Rec.* 31:210-222. Dec. 1950. 515 Su2
Soil management.
- 82893 MACDANIELS, L. H. Facts about organic gardening. *Cornell Plantations* 7:59-62. Summer 1951. 409.6 C812
- 82894 MANSHARD, E. Kranker und gesunder boden. *Orionbücher* 29,65 p. 1950. 410 Or4
- 82895 MARTINEZ C., A. La conservación de los recursos naturales y el futuro nacional. *Café de El Salvador* 234:287-297. May 1951. 68.28 C112
Chiefly soil management.
- 82896 MELO, A. T. DE. Don't dry out the land! (In Portuguese.) *Seleç. Agr.* 6(63):29-30. July 1951. 9.2 Se4
Soil management.
- 82897 MEYER-BAHLBURG. Die hochmoorversuchswirtschaft Königsmoor. *Wasser u. Boden* 3:104-106. May 1951. 56.8 W28
Reclamation.
- 82898 MONTANARI, V. In honor of two pioneers of reclamation in the Po Delta. (In Italian.) *Agr. della Venezia* 5:252-257. May 1951. 16 Ag826
- 82899 NEWMAN, L. H. Experiences in soil building and their significance. *Ontario Crop Impr. Assoc. Addresses & Proc.* 13:45-52. 1951. 64.9 On83
- 82900 PACKER, P. E. An approach to watershed protection criteria. *J. Forestry* 49:639-644. Ref. Sept. 1951. 99.8 J768
- 82901 PAYNE, L. F. Turkeys bring life to dead land; rotating feathered "manure spreaders" with wheat paid well for this Kansan who moved his flock to exhausted upland soil. *Country Gent.* 121(9):100-101,103. Sept. 1951. 6 C833
- 82902 PIETTRE, M. Élevage extensif, première étape de la mise en valeur des sols pauvres. *Acad. d'Agr. de France. Compt. Rend.* 37:345-348. June 6/13, 1951. 14 P215Bc
- 82903 SNIDER, H. J. Dairy cows—soybeans and soil fertility. *Hoard's Dairyman* 96:631. Aug. 25, 1951. 44.8 H65
Return of nitrogen to the soil which has been taken out by soybeans.
- 82904 STINSON, F. A. Soil productivity yesterday and tomorrow. *Ontario Crop Impr. Assoc. Addresses & Proc.* 13:73-75. 1951. 64.9 On83
- 82905 THROCKMORTON, R. I. The organic farming myth; when cultists relying on half-truths, pseudo science and emotion attack the farmers' use of commercial fertilizer, it's time to expose the fraud of their doctrines before serious harm is done. *Country Gent.* 121(9):21, 103,105. Sept. 1951. 6 C833

82906 TIEDJENS, V. A. Soil tests, lime, and fertilizers. Prog. Farmer, Carolinas-Va. Ed. 66(9):16. Sept. 1951. 6 P945

82907 TRIFONE, R. En lisant le projet de loi pour la defense et la mise en valeur du sol dans la montagne. (In Italian.) Italia Forest. e. Mont. 6:97-104. June 1951. 99.8 It12

French summary.

82908 VEENENBOS, J. S., and SCHUYLENBORGH, J. VAN. The "knip" phenomenon of clay soils. (In Dutch.) Boer en Spade 4:24-39. Ref. 1951. 56.9 B64
English summary.

82909 WAUTHOZ, V. Coupes à blanc—choc au sol. Soc. Roy. Forest. de Belg. B. 58:251-254. June 1951. 99.9 B83

Soil Fertility

82910 AGARWAL, R. R., SINGH, M., and PAL, C. Dhalncha [Sesbania aculeata] as a green manure in Uttar Pradesh. United Prov. Dept. Agr. B. 104,24 p. 1950. 22 N81

82911 AGRONOMY TOBACCO WORK CONFERENCE, GAINESVILLE, FLORIDA. Recommendations with reference to the fertilization of flue-cured tobacco grown on average soils in Virginia, North Carolina, South Carolina, Georgia and Florida for the year 1951. N. C. Agr. Expt. Sta. Agron. Inform. C. 151,3 p. Aug. 1950. 100 N81A

82912 ALLBRITTEN, H. G., ODLAND, T. E., and SALOMON, M. Nutrient status of soils on commercial potato producing areas of Rhode Island. Soil Sci. Soc. Amer. Proc. 15:248-251. 1950, pub. 1951. 56.9 So3

82913 ALLO, A. V. Responses to pasture topdressing in Tauranga County. New Zeal. J. Agr. 82:515,517,519-520. June 1951. 23 N48J

82914 ANDERSON, E. W. Range condition underground. J. Range Managt. 4:323-326. Sept. 1951. 60.18 J82

82915 AUDIDIER, L. Fertilisation des terres. Terre d'Oc 33:285-289. Aug. 1951. 14 Ar5

Discussion of Leçons Américaines, by E. de Marsily; reply by E. de Marsily, p. 287-289.

82916 AUGUSTE, M. A. La fumure des agrumes au printemps. Rev. Agr. de l'Afrique du Nord 49:287-288. Apr. 13, 1951. 80 R326

82917 BEAR, F. B. No más dudas respecto al valor del sodio. Agrario 15(424):24,26. May 1951. 9.3 Ag85
Fertilizer.

82918 BEESON, W. M. Fertilizing pastures pays. Breeder's Gaz. 116(8,1.e.9):13-14. Sept. 1951. 49 B74
In beef cattle feeding.

82919 BELLING, B. Green manuring and fall grazing. (In Danish.) Dansk Landbr. 70:180-181. Apr. 12, 1951. 280.28 V91

82920 BERZAGHI, M. N. Notes on phosphate fertilization. (In Portuguese.) Soc. Rur. Bras. Rev. 31(367):28-31. June 1951. 9.2 B733

82921 BÖHME. Hülsenfruchtanbau verbessert den boden. Landfrau 6(18):19. Sept. 1951. 18 L2337

82922 BRAGE, B. L., THOMPSON, M. J., and CALDWELL, A. C. The long-time effect of rotation length on the yield and chemical constituents of the soil. Soil Sci. Soc. Amer. Proc. 15:262-264. Ref. 1950, pub. 1951. 56.9 So3

82923 BROWN, J. C., and HARMER, P. M. The influence of copper compounds on the yield, growth pattern, and composition of spring wheat and corn grown on organic soil. Soil Sci. Soc. Amer. Proc. 15:284-291. Ref. 1950, pub. 1951. 56.9 So3

82924 BRYDEN, R. J., and KETCHESON, J. W. 1950 fertility demonstrations with turnips. Ontario Crop Impr. Assoc. Addresses & Proc. 13:162-164. 1951. 64.9 On83

82925 CAMPBELL, D. A. Aerial topdressing progress in New Zealand: the Beaver takes a hand. Farmers Wk. [London] 35(5):49. Aug. 3, 1951. 10 F2226

82926 CARRANTE, V., PRIMA, S. DI, and BOTTARI, V. Third contribution to the permanent experiments on the fertilizing of citrus trees (period 1947-1949). (In Italian.) Ann. della Sper. Agr. (n.s.):5:679-720. 1951. 16 An76

82927 CARTER, R. L. Utilization of fertilizer and soil phosphorus as determined by the use of radioactive fertilizer. (Abs.) Assoc. South. Agr. Workers. Proc. 48:181-182. 1951. 4 C82

82928 COOKE, G. W. Placement of fertilizers for sugar beet. J. Agr. Sci. 41:174-178. Jan./Apr. 1951. 10 J822

82929 DAVIS, F. L., and BROGDEN, C. A. Some nutritional problems of peanuts in Alabama. (Abs.) Assoc. South. Agr. Workers. Proc. 48:47. 1951. 4 C82
Fertilizer experiments.

82930 DELVER, P. Two important fertilizer tests with coldframe strawberries. (In Dutch.) Groenten en Fruit 6:926. June 28, 1951. 80 G89

82931 DÜMLEIN, H. Stickstoff-düngung der braugerste. Deut. Landwirt. Presse 74:204. Aug. 4, 1951. 14 D482

82932 DUNTON, E. M. Results of sweet potato fertilizer experiments conducted in 1951. Va. Agr. Col. Ext. Veg. Growers News 5(12):2. June 1, 1951. 275.28 V52

82933 EKSTRÖM, A. Top-dressing of the hay field. (In Swedish.) Västerbotten 3:77-79. May 1950. 11 V442

82934 ELIASSON, S. Fall wheat varieties and fertilizing. (In Swedish.) Lantmannen 35:628-629. Aug. 18, 1951. 11 L234

82935 EMMERT, E. M. Comparison of soil and foliage applications of nitrogen and sucrose to lima beans. (Abs.) Assoc. South. Agr. Workers. Proc. 48:110-111. 1951. 4 C82

82936 ERGLE, D. R., and EATON, F. M. Sulfur nutrition of the cotton plant. (Abs.) Assoc. South. Agr. Workers. Proc. 48:180-181. 1951. 4 C82

82937 FORSEE, W. T., JR. The place of soil and tissue testing in evaluating fertility levels under Everglades conditions. Soil Sci. Soc. Amer. Proc. 15:297-299. 1950, pub. 1951. 56.9 So3

82938 FRANCE, A. Die letzte chance für eine zukunft ohne not. München, Bayerischer Landwirtschaftsverlag GMBH, 1950. 692 p. 57.4 F842
Humus.

82939 FRANKE. Vorteile der stoppeldüngung. Landwirt. Z. der Nord-Rheinproy. 118:741-742. Aug. 18, 1951. 18 L2344

82940 GIDDENS, J., PERKINS, H. F., and COLLINS, W. O. Organic matter in Georgia soils. (Abs.) Assoc. South. Agr. Workers. Proc. 48:64. 1951. 4 C82

82941 GILL, J. B., and JONES, U. S. Nitrogen requirements for the establishment of fescue and clover-fescue pastures. (Abs.) Assoc. South. Agr. Workers. Proc. 48:45. 1951. 4 C82

82942 GISIGER, L. Ist die düngung in der Schweiz rückständig? Grüne 79:822-823. July 27, 1951. 17 Sch9

82943 GRAVES, H. A. Fertilizers for North Dakota gardens and lawns. N. Dak. Agr. Col. Ext. C. A-152, 4 p. Jan. 1951. 275.29 N812Sa

82944 GRISSOM, P. Placement of nitrogen for cotton and corn. (Abs.) Assoc. South. Agr. Workers. Proc. 48:53. 1951. 4 C82

82945 GROVES, D. E. With radioisotopes they "see" more than meets the eye. Ohio Farmer 207(6):5, 46-47. Mar. 17, 1951. 6 Oh3

Fertilizer studies.

82946 HARDING, R. B., and CHAPMAN, H. D. Progress report on a study of soil characteristics in forty high-performance orange orchards in California. Soil Sci. Soc. Amer. Proc. 15:243-248. 1950, pub. 1951. 56.9 So3

82947 HARVEY, C., SCHEMBER, V. E., and POTTS, R. C. The differential response of alfalfa varieties to phosphate. (Abs.) Assoc. South. Agr. Workers. Proc. 48:52. 1951. 4 C82

82948 HERVEY, R. J., and others. Use of sweet-clover for deep-placement of phosphorus. Soil Sci. Amer. Proc. 15:258-262. Ref. 1950, pub. 1951. 56.9 So3

L. C. Kapp, J. R. Johnston, and J. C. Smith, joint authors.

Radioactive phosphorus used as tracer.

82949 HERZMANSKY. Handelsdünger als faktor der ertragssteigerung. Allg. Bauern-Ztg. 6(25):3. June 23, 1951. 19 K142

Austria.

82950 HEYMANN, L. Soil and leaf analyses as indicators of fertilizer requirements in Shamouti orange groves. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:111-136. Ref. Dec. 1950. 107 J552

English summary, p. 25-26.

82951 HINKLE, D. A. Balancing nitrogen and stand for maximum corn production in Arkansas. (Abs.) Assoc. South. Agr. Workers. Proc. 48:180. 1951. 4 C82

82952 HOAGLAND, D. R., and MARTIN, J. C. Availability of potassium to crops in relation to replaceable and nonreplaceable potassium and to effects of cropping and organic matter. Soil Sci. Soc. Amer. Proc. 15:272-278. Ref. 1950, pub. 1951. 56.9 So3

82953 HOVD, A. Liming and grain growing. (In Norwegian.) Landbrukstidende 57:243-244. Mar. 28, 1951. 11 L236

82954 HUNT, R. A good soil needs good cover. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(9):15, 128. Sept. 1951. 6 P945K

Effect on Kentucky tobacco yields.

- 82955 IGNAFIEFF, V. El uso eficaz de los fertilizantes. Agr. Costarricense 9:179-185. May/June 1951. 8 Ag895
- 82956 JONES, D. W., KIRK, W. G., and HODGES, E. M. The effect of fertilizer phosphates on soil phosphorus and pasture production. (Abs.) Assoc. South. Agr. Workers. Proc. 48:60-61. 1951. 4 C82
- 82957 JÖRISSEN. Stickstoff nicht mehr zeitgemäss? Deut. Landwirt. Presse 74:207. Aug. 4, 1951. 18 D482
- 82958 KAPP, L. C., and others. Response of Evergreen sweetclover and cotton to phosphorus applications on Houston black clay. (Abs.) Assoc. South. Agr. Workers. Proc. 48:140. 1951. 4 C82
- 82959 R. J. Hervey, J. R. Johnson, and J. S. Smith, joint authors. 82959 KAUL. Die quelle der bodenfruchtbarkeit. Neue Mitt. f. die Landwirt. 6:294. May 12, 1951. 18 N39
- 82960 KECK, D. Malze fertilization. Crop Comments 4(8):1. June 1951. 57.8 C88
- 82961 KELLER. Die bewertung der landwirtschaftlichen kulturböden. Hannoversche Land- u. Forstwirt. Ztg. 104:409. May 5, 1951. 18 H194
- 82962 KELLER. Die kalkversorgung unserer obstanlagen. Obstbau 70:106-107. July 1, 1951. 80 Ob73
- 82963 KRÜGER. Gedanken zur kopfdüngung der zuckerrüben. Hannoversche Land- u. Forstwirt. Ztg. 104:483. May 26, 1951. 18 H194
- 82964 LEHR, J. J. Importance of sodium for plant nutrition. V. Response of crops other than beet. Soil Sci. 72:157-166. Aug. 1951. 56.8 So3
- 82965 LENZ, A. Braucht der wald kalk? Landwirtsch. 15/16:237-240. (Cont.) Aug. 1951. 19 L235
- 82966 LONG, O. H. The effect of nitrogen applied at different times and rates on forage and grain yields of winter oats. (Abs.) Assoc. South. Agr. Workers. Proc. 48:59. 1951. 4 C82
- 82967 LÜDECKE, H. Zur stickstoffdüngung von zuckerrüben. Neue Mitt. f. die Landwirt. 6:265. Apr. 28, 1951. 18 N39
- 82968 LUNT, C. R., and NELSON, W. L. Studies on the value of sodium in the mineral nutrition of cotton. Soil Sci. Soc. Amer. Proc. 15:195-200. Ref. 1950, pub. 1951. 56.9 So3
- 82969 MCMICHAEL, C. W. Responses of cotton, soybeans and lespedeza to minor elements on Ruston loamy fine sand and Memphis silt loam. (Abs.) Assoc. South. Agr. Workers. Proc. 48:142-143. 1951. 4 C82
- 82970 MACVICAR, R., GARMAN, W. L., and WALL, R. Studies on nitrogen fertilizer utilization using N¹⁵. Soil Sci. Soc. Amer. Proc. 15:265-268. 1950, pub. 1951. 56.9 So3
- 82971 MAGNESS, J. R. Orchard fertilization—ground and foliage. Better Crops Plant Food 35(7):6-12. Aug./Sept. 1951. 6 B46
- 82972 MALKIN, Y. Citrus trees in soils of uprooted groves. (In Hebrew.) Hassadeh 31:395-396. May 1951. 26 H27
- 82973 MANIL, G. Considérations sur la pedologie forestière à propos de récentes excursions. Soc. Cent. Forest. de Belg. B. 58:164-174. Apr. 1951. 99.9 B83
- 82974 MAURER, K. J. Bemerkungen zur bodenpflege im obstbau. Obst u. Gart. 6:49-50. Apr. 1951. 80 Ob75
- 82975 MAURER, T. C. Lespedeza sericea—a conservation crop. (Abs.) Assoc. South. Agr. Workers. Proc. 48:44-45. 1951. 4 C82
- 82976 MAURI, N. Vers une rationalisation des fumures. Fruits et Primeurs de l'Afrique du Nord 21:249-250. July/Aug. 1951. 80 F9482
- 82977 MEDINA, G. Comment on fertilizing. XXVII. (In Portuguese.) Lav. Arroz. 5(54):25-26, 28-29. June 1951. 59.8 L39
- 82978 MEHRING, A. L. Use of pesticides and weed killers in fertilizers. (Abs.) Assoc. South. Agr. Workers. Proc. 48:67. 1951. 4 C82
- 82979 MORITA, Y., and YONEYAMA, K. Studies on physical properties of soils in relation to fruit tree growth. III. (In Japanese.) Hort. Assoc. Japan. J. 19:185-194. Dec. 1950. 87 H78
- 82980 MORRIS, H. D., and COLLINS, W. O. The effect of green manure crops on yields of corn grown on Cecil and Norfolk soils with and without potassium fertilization. (Abs.) Assoc. South. Agr. Workers. Proc. 48:43. 1951. 4 C82
- 82981 MURO SEVILLA, J. En la anterior campaña se ha iniciado la mejora en el problema de los fertilizantes. Siembra [Madrid] 7(1):3-4. Jan. 1951. 15 S11
- 82982 NAUMANN, K. Die wirksamkeit der kalkdüngemittel. Landwirt. Z. der Nord-Rheinprov. 118:547. June 23, 1951. 18 L2344
- 82983 NEELY, J. A. The response of pasture grasses after clover to anhydrous ammonia and ammonium nitrate. (Abs.) Assoc. South. Agr. Workers. Proc. 48:46. 1951. 4 C82
- 82984 NYE, P. H. Studies on the fertility of Gold Coast soils. I. Empire J. Expt. Agr. 19:217-223. July 1951. 10 Em7
- 82985 ØDELIEN, M. Deficiency diseases of crops considered in connection with fertilizing, liming and soil conditions. (In Norwegian.) Landbrukstidende 57:403-406. (Cont.) May 23, 1951. 11 L236
- 82986 ØDELIEN, M. The heavy precipitation at Østlandet last year and spring fertilizing. (In Norwegian.) Norsk Landbr. 17:186-187. May 11, 1951. 11 N8122
- 82987 ØDELIEN, M. Increase of protein content of timothy through late application of saltpeter. (In Norwegian.) Norsk Landbr. 17:304-305. Aug. 17, 1951. 11 N8122
- 82988 OHIO. AGRICULTURAL EXPERIMENT STATION. 100 questions and answers on liming land. Ohio. Agr. Expt. Sta. Spec. C. 83, 32 p. Mar. 1951. 100 Oh3S
- 82989 ONTARIO DEPT. OF AGRICULTURE. Does your soil need lime? Ontario. Dept. Agr. B. 477, 8 p. June 1950. 101 On8B
- 82990 PAGE, N. R., and PADEN, W. R. Mineral composition of certain crops as influenced by varying rates of potassium and magnesium. (Abs.) Assoc. South. Agr. Workers. Proc. 48:56-57. 1951. 4 C82
- 82991 PERALTA, P. E. La cal enriquece los suelos arcillosos. Cuba Ganad. 10(11):29-31. July 1951. 49 C89
- 82992 PETERSON, A. E., and BERGER, K. C. Effect of magnesium on the quality and yield of canning peas. Soil Sci. Soc. Amer. Proc. 15:205-208. Ref. 1950, pub. 1951. 56.9 So3
- 82993 PEYTHIEU, M. Trois années de fumure complète sur prairies. Nord Agr. 7(34):3. June 22, 1951. 14 N75
- 82994 PIERRE, J. J. The need for cover crops in Corn Belt agriculture. J. Soil & Water Conserv. 6:121-124, 154. Ref. July 1951. 56.8 J822
- 82995 PLICE, M. J. Effects of sixteen years of green manuring on the fertility of a Kirkland silt loam soil. Soil Sci. Soc. Amer. Proc. 15:238-239. 1950, pub. 1951. 56.9 So3
- 82996 PÖNITZ, H. Bessere erträge durch rationelle düngung. Württemb. Wchnbl. f. Landwirt. 118:663. Aug. 18, 1951. 18 W96
- 82997 PRATT, P. F. Potassium removal from Iowa soils by greenhouse and laboratory procedures. Soil Sci. 72:107-117. Ref. Aug. 1951. 56.8 So3
- 82998 PREW, H. A. Cover crops and mulching in the home orchard. New Zeal. J. Agr. 82:491-492. June 1951. 23 N48J
- 82999 QUDET, P. Résistance au froid des légumineuses; action de la potasse. Potasse 25:131-132. Sept. 1951. 57.8 P84
- 83000 RADET. La fumure du colza. Sol 64:132-133. 1951. 14 So4
- 83001 RAINERI, C. The knowledge of the mysteries contained in humus implied by the increase in production. (In Italian.) Agenzia Romana Note e Inform. Agr. 4 (61/62):1-2. Aug. 24, 1951. 281.8 Ag3
- 83002 RANJAN, S., KOTHIAL, M. D., and PRAKASH, A. Studies on plant growth in relation to different soils and manures. I-II. Indian Acad. Sci. Proc. Sect. B 33:282-289. May 1951. 513 In25B
- 83003 RAYNAUD, R. La valeur boulangère des blés; importance de la fumure. Potasse 25:122-126. Sept. 1951. 57.8 P84
- 83004 REBOUR, H. Fumure de printemps. Rev. Agr. de l'Afrique du Nord 49:173-174. Mar. 2, 1951. 80 R326
- 83005 RECASENS, L. DE. La tierra vegetal. Cult. Mod. 34:170-171. May 1951. 15 C89
- 83006 REED, J. F. Soil analysis as related to the response of crops to fertilization. (Abs.) Assoc. South. Agr. Workers. Proc. 48:62. 1951. 4 C82

83007 RENUIS, W. Gründung und zwischenfrucht. Neue Mitt. f. die Landwirt. 6:295-296. (Cont.) May 12, 1951. 18 N39

83008 REUTT, G. La terre, cette inconnue! Rev. Agr. de l'Afrique du Nord 49:371-372. May 18, 1951. 80 R328

Soil fertility and soil erosion.

83009 REYNOLDS, E. B., and ROBERTS, J. E. The effect of legumes and applications of nitrogen on yields of cotton and corn. (Abs.) Assoc. South. Agr. Workers. Proc. 48:43-44. 1951. 4 C82

83010 RICH, C. I., and ATTOE, O. J. Phosphorus supplying powers of soils for oats. Soil Sci. Soc. Amer. Proc. 15:219-222. 1950, pub. 1951. 56.9 So3

83011 RIPLEY, R. O. Fertilizer for cereal crops. Ontario Crop Impr. Assoc. Addresses & Proc. 13:98-102. 1951. 64.9 On83

83012 RITTERSHAUS, W. Düngen wir richtig? Kärntner Bauer 101:301-302. June 1, 1951. 19 K14

83013 ROCASOLANO, C. La materia orgánica en la mejora de las tierras. Cult. Mod. 34:179. May 1951. 15 C89

83014 ROJAS-CRUZ, L. A. Nutrición vegetal, abonos y análisis de suelos. III. Agr. Trop. 7(7):55-56. July 1951. 26 Ag8

83015 ROTH, E. Various ways of applying fertilizers some impressions from English research work. (In Swedish.) Lantmannen 35:613. Aug. 11, 1951. 11 L234

83016 SAATHOFF, Grössere beachtung einer sachgemässen düngung. Obstbauberatungsring. Mittbl. 6:6-7. Feb. 1, 1951. 85 Ob72

83017 SANCHEZ BUEDO, E. Ensayo de sistematización de los fertilizantes que contienen nitrógeno. Siembra [Madrid] 7(4):5-10. Apr. 1951. 15 S11

83018 SCHÖBER, K. Die kalkdüngung. Landwirtsch. 15:16:223-224. Aug. 1951. 19 L235 Austria.

83019 SCURTI, F. The Sudbury analyser for the rational fertilising of soils. (In Italian.) Ann. della Sper. Agr. (n.s.):5:865-878. 1951. 16 An76 English summary.

83020 SERVICIO TÉCNICO AGRONÓMICO DE LOS NITRATOS DE CHILE EN CENTRO AMÉRICA. Para el aumento de la producción de algodón en Guatemala; memorandum. Asoc. Gen. de Agr. B. 296:3. June 15, 1951. 8 As52

Use of nitrates as fertilizer.

83021 SIAENS, F. Soil care in fruit culture. (In Flemish.) Cult. en Handel 17:390-392. July 1951. 80 C892

Cover crops.

83022 SMITH, J. C., and others. Utilization of fertilizer and soil P by oats and crimson clover as affected by rates and ratios of added N and P_2O_5 . Soil Sci. Soc. Amer. Proc. 15:209-212. Ref. 1950, pub. 1951. 56.9 So3 J. F. Fudge, L. C. Kapp, J. E. Adams, R. W. Pearson, and H. Leap, Jr., joint authors.

83023 SOBRERO, L. R. Importancia de la cal en la fertilidad de los campos. Pampa Argentina 24(281):17. May 1951. 9 P19

83024 SOUBIES. Trois années de recherches sur la fertilisation minérale et organique des plantes maraichères et la fabrication du fumier artificiel. Soc. d'Hort. de la Haute-Garonne. Ann. (ser.5)19:252-262. May/July 1951. 86 So194

83025 STANFORD, G., and HANWAY, J. Topdressing legume meadows in Iowa. Better Crops Plant Food 35(7):17-21, 36-37. Aug./Sept. 1951. 6 B46

83026 STEIN, P. Aus der praxis der grünlandkalkung Hannoversche Land- u. Forstwirt. Ztg. 104:609. June 30, 1951. 18 H194

83027 STELLY, M., and MORRIS, H. D. The effect of sources, particle size, and placement of phosphorus on the yield of cotton and of sources of phosphorus, rate of phosphorus fertilization, and liming on the yield of Ladino clover. (Abs.) Assoc. South. Agr. Workers. Proc. 48:54. 1951. 4 C82

83028 STEWART, E. H. Utilization of phosphorus by crimson clover as affected by fertilizer placement and rate of lime. (Abs.) Assoc. South. Agr. Workers. Proc. 48:182. 1951. 4 C82

83029 THIELMANN, K. Zur waldbodenmelioration. Mitt. aus der Staatsforstverwalt. Bayerns 26:67-124. Ref. 1951. 99.9 B342

83030 THOMPSON, F. C., CRIPPS, E. G., and WATSON, G. A. Some observations on the influence of subsoil fertility on the growth of the hop. Wye Col. Dept. Hop Res. Annu. Rpt. 1950:47-57. Ref. 1951. 70.9 W972

83031 TIND-CHRISTENSEN, C. J. Experiments with fertilizer, manure and liquid manure for permanent pasture and for field crops on marsh land. (In Danish.) Tidsskr. f. Planteavl 54:686-704. 1951. 11 T439

83032 TIND-CHRISTENSEN, C. J. Fertilizer and liming experiments on mud and marsh soils. (In Danish.) Tidsskr. f. Planteavl 54:318-335. 1951. 11 T439

83033 TOLNER, J. Green manuring and green manure crops. (In Dutch.) Landbode 5(30):1. July 28, 1951. 12 L234

83034 TRUMP, F. Muck has wide use if you treat it right. Mich. Farmer 216:149. Sept. 1, 1951. 6 M58

83035 VALENTIN, R. La nitrojection. Potasse 25:133-136. Sept. 1951. 57.8 P84

83036 VANTSIS, J. T., and BOND, G. Nitrogen nutrition of clover. Nature [London] 168:339-340. Aug. 25, 1951. 472 N21

83037 VIANNA E SILVA, M. Nitrogen fertilizers and rice culture. (In Portuguese.) Vida Agr. [Lisboa] 14(83):3-5. May/June 1951. 15.5 V66

83038 VIGUERIE, P. DE. Le chaulage des cultures en cours d'assolement. Tarn-et-Garonne Agr. 14:67-68. (Cont.) Apr. 1951. 14 T17

83039 VOGHENZI, F. The economy of fertilizers. (In Italian.) Agr. del Polesine 3:19-20. Feb. 1951. 16 Ag8222

83040 VOGT. Die düngung im kartoffelbau. Hannoversche Land- u. Forstwirt. Ztg. 104:205, 207. Mar. 3, 1951. 18 H194

83041 WELCH, C. D., NELSON, W. L., and KRANTZ, B. A. Effects of winter cover crops on soil properties and yields in a cotton-corn and in a cotton-peanut rotation. Soil Sci. Soc. Amer. Proc. 15:229-234. 1950, pub. 1951. 56.9 So3

83042 WILLCOX, O. W. One-plot fertilizer test. III. A simplified one-plot test. Sugar 46(9):41-44. Sept. 1951. 65.8 F11

83043 WILLNER. Betrachtungen zu bodenschätzung und klima. Landwirtbl. Weser-Ems 98:478-479. May 31, 1951. 18 L2345

83044 WITTICH, G. VON. Ertragsteigerung im obstbau durch richtige bodenpflege und düngung. Obstbauberatungsring. Mittbl. 6(2):3-5. Apr. 1, 1951. 85 Ob72

83045 ZHURAVLEV, E. M., and MARTINSON, T. I. Effect of mineral fertilizers on carotene content in forage plants. (In Russian.) Vsesoiuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy 1:142-149. Ref. 1950. 389.79 D85

83046 ZINK, F. W., and DAVIS, G. N. Nitrogen for cantaloups. Fruit & Veg. Rev. 13(6):18-19. Sept. 1951. 80 C1224

83047 ZURN, F. Die bedeutung der kalkdüngung auf dem dauergrünland. Allgäuer Bauernbl. 19:385. July 19, 1951. 18 AL53

Soil Tillth and Tillage

83048 CATALINA, L. El valor de las escardas. Cult. Mod. 34:216. June 1951. 15 C89

83049 CROWE, S. M. No-digging report. Mr. Chase's Cloche Gard. Notes, Aug. 1951:208-210. 80 M69

83050 DECOUX, L. Perfectionnements apportés à la préparation superficielle du sol, en liaison avec le semis précoce de la betterave sucrière. Inst. Belge pour l'Amélior. de la Betterave. P. 18:201-227. Nov./Dec. 1950. 66.9 In7

English summary.

83051 EASTERBROOK, L. F. Labours et semailles se sont faits de jour et de nuit au printemps de 1951 en Angleterre. Terre de Chez Nous 23(25):13-14. Aug. 15, 1951. 7 T27

83052 HARPER, H. J. Deep plowing to improve sandy land. (Abs.) Assoc. South. Agr. Workers. Proc. 48:63-64. 1951. 4 C82

83053 PÉREZ-SALAS, J., and ESPINOSA, L. DE. Divulgaciones sobre labores del viñedo. Semana Vitivinica 255:2-3; 256:2-3. May 19-26, 1951. 95.8 Se5

83054 RIDDOLLS, A. W. Soil moisture conservation on hillside pastures; an experiment by Lincoln College, N. Z. Power Farming Austral. & New Zeal. 60(4):33, 37, 39. Apr. 1951. 58.8 P87 Tillage.

83055 SMITH, D. D. Subsoiling Midwest claypans. Co. Agent & Vo-Ag Teacher 7(9):15, 18-20. Sept. 1951. 275.28 N213

Shattering and liming.

83056 SWANSON, C. L. W., and JACOBSON, H. C. M. The effect of surface cultivation on soil structure and crop growth; the use of herbicides in studying the problem. World Crops 3:345-348. Sept. 1951. 281.8 W892

- 83057 THIS year's spring tillage and sowing; a questionnaire to the farmer. (In Swedish.) *Lantmannen* 35:264-266, 281-282. Mar. 31-Apr. 7, 1951. 11 L234
Contributions by H. Kjellander and others.
- 83058 VERMA, A. B. S., and KOHNKE, H. Effects of organic mulches on soil conditions and soybean yields. *Soil Sci.* 72:149-156. Aug. 1951. 56.8 So3
- 83059 ZANNONI, I. More on seasonal plowing of alfalfa. (In Italian.) *Colt. e Gior. Vinic. Ital.* 97:217-218. July 31, 1951. 16 C72
Culture.
- Drainage, Irrigation, Water Supply, and Flood Control**
- 83060 ANDERSON, G. C. Irrigated pastures for dairy cattle. *Westland Pasture J.* 2(2):1, 4. June 1951. 60.8 W52
- 83061 ANGERER, H. Neues in der berechnungstechnik. *Hannoversche Land- u. Forstwirt. Ztg.* 104:589. June 23, 1951. 18 H194
- 83062 BARNES, A. C. Field drainage for sugar cane lands an important aspect of cultivation. *So. African Sugar J.* 35:389, 391, 393. June 1951. 65.8 So8
- 83063 BENNETT, H. H. The complete watershed program in flood control. Washington, U. S. Soil Conserv. Serv., 1951. 12 p. 1.96 Ad62
Address, Newspaper Editors' Flood Control Meeting, Lincoln, Aug. 11, 1951.
- 83064 BLEIFUSS, D. J. Ceylonese learn American methods quickly on Gal Oya Dam. *Civ. Engin.* 21:525 528. Sept. 1951. 290.8 C49
Irrigation and flood control.
- 83065 BLOOM, A. Is irrigation worth while? *Nurseryman & Seedsman* 113:248-249. Aug. 2, 1951. 80 N933
- 83066 BODDY, H. Improve your summer irrigated pasture. *West. Dairy J.* 7(10):31-33. Aug. 1, 1951. 44.8 W524
- 83067 BOYD, W. I. Short-cuts through modern methods; these are rapidly paying off for themselves in hours saved watering the [tobacco] beds with fungicides and fertilizer. *New Eng. Homestead* 124(17):14, 41. Sept. 8, 1951. 6 N442
- 83068 BUKHSH, M. A. Problems of flood control. *Karachi Com.* 4(19):3-4. June 2, 1951. 280.8 K14
- 83069 CANADA. DEPT. OF AGRICULTURE. PRAIRIE FARM REHABILITATION BR. Fifteenth annual report on activities under the Prairie Farm Rehabilitation Act for the fiscal year ended March 31, 1950. Regina, 1951. 93 p. 281.13 C164
Irrigation and water conservation projects.
- 83070 CARACAS. INSTITUTO AGRARIO NACIONAL. Boletín, año 2, No. 10, 16 p. Apr. 1951. 281.9 C17
Special issue on irrigation.
- 83071 CARAH, W. M. Well worth celebrating. *Reclam. Era* 37:164-166. Aug. 1951. 156.84 R24
Full-scale operation of the Central Valley project.
- 83072 CARSI, R. España, el país de las lagunas. *Cult. Mod.* 34:171-172. May 1951. 15 C89
Sources for irrigation.
- 83073 CASA-PACHECO, M. La radioestesia. *Siembra [Madrid]* 7(3):10-11. Mar. 1951. 15 S11
- 83074 CHAPMAN, P. W. Water resources—a key to agricultural progress. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:172. 1951. 4 C82
- 83075 CHOWDHURY, M. Control of seepage under dams on previous foundations. *Pakistan J. Sci.* 2:140-147. Ref. Oct. 1950. 475 P172
- 83076 CIOLINA, KELLERMANN, and MINJOZ. La mission "utilisation et contrôle des eaux" aux U. S. A. *Cahiers des Ingén. Agron.* 6:25-26. Second Q. 1951. 14 C112
- 83077 CLARK, F., and others. Irrigation, fertilization and fumigation of fluecured tobacco. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:52. 1951. 4 C82
H. C. Harris, R. W. Bledsoe, and J. M. Myers, joint authors.
- 83078 CORFITZEN, W. E. Reclamation under the Marshall Plan in Italy. 2. The working plan. *Reclam. Era* 37:201-203. Sept. 1951. 156.84 R24
- 83079 COYLE, J. J. Ponds—multi-purpose water suppliers. *Tex. Livestock J.* 10(8):7, 86. Aug. 1951. 49 T29
- 83080 CROWE, S. M. Watering. *Mr. Chase's Cloche Gard. Notes*, July 1951:184-185. 80 M69
- 83081 CULLINGS, E. S. Panther Mountain Reservoir. *N. Y.-State Col. Forestry, Syracuse U. State Ranger Sch. Alumni News* 1950:9-12. 1951. 99.9 N487
Water conservation and flood control.
- 83082 CYPRUS. WATER SUPPLY AND IRRIGATION DEPT. Annual report for 1950, by I. L. Ward. Nicosia, 1951. 27 p. 292.9 C99
- 83083 DELOYE, M. La pratique des irrigations: Chélif et Californie. *Élevage et Cult.* 3(28):9-13. Apr. 1951. 24 EL2
- 83084 DESHUSSES, L. A., and HATT, P. Étude sur la technique des arrosages. *Rev. Romande d'Agr. de Viticul. et d'Arboricult.* 7:1-4. Jan. 1951. 17 J82A
- 83085 DISEKER, E. G. Results of open ditch drainage studies in eastern North Carolina. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:174-175. 1951. 4 C82
- 83086 DUNLOP, S. G., TWEDT, R. M., and WANG, W. L. L. Salmonella in irrigation water. *Sewage & Indus. Wastes* 23:1118-1122. Sept. 1951. 293.8 Se8
- 83087 EDMINSTER, T. W., WALKER, J. P., and LILLARD, J. H. Tile drainage under quicksand conditions. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:176. 1951. 4 C82
- 83088 FERGUSON, F. L. The ever present drainage problems. *Farmer's Advocate & Home Mag.* 86(3405):4, 27. Aug. 23, 1951. 7 F22
- 83089 FOSTER, J. New land for food production. *Town & Country Planning* 19:410-413. Sept. 1951. 98.58 T66
Reclaiming land from the sea.
- 83090 FRIDLAND, V. M. On the Volga-Don navigation canal and irrigation of lands in Rostov and Stalingrad Regions. (In Russian.) *Pochvovedenie* 3:137-144. Ref. Mar. 1951. 57.8 P34
- 83091 GAIN, E. Twelve steps to good tile drainage. *Co. Agent & Vo-Ag Teacher* 7(5):11. May 1951. 275.28 N213
- 83092 GAY, C. B., and THORNTON, J. F. Drainage and use of soils along the South Atlantic Coast. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:170-171. 1951. 4 C82
- 83093 GORBUNOV, N. I., and BEKAREVICH, N. E. Nature of crust formation on soils and measures for its control [irrigation chiefly]. (In Russian.) *Pochvovedenie* 4:193-200. Apr. 1951. 57.8 P34
- 83094 HAARER, A. E. Thoughts on irrigation: some lessons from the Tropics. *Fruit-Grower* 2902:207-208. Aug. 9, 1951. 80 F941
- 83095 HARGREAVES, G. H. El problema del riego y sus necesidades en el Perú. *Serv. Coop. Interamer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr.* 21:53-59. Feb. 1951. 9.8 P4352
- 83096 HASLAM, B. E. Flood control—pooling agreement boosts county conservation work. *West. Livestock J.* 29(48):77, 80-81, 120. Aug. 15, 1951. 6 F2278
- 83097 HENNION, T. Created for service. *Reclam. Era* 37:158-159. Aug. 1951. 156.84 R24
Agriculture in the Central Valley, Calif., and the Central Valley water distribution project.
- 83098 HIRSCHFELD, A. Growing of maize under irrigation. (In Hebrew.) *Hassadeh* 31:375-376. May 1951. 26 H27
- 83099 HOPWOOD, T. State [Union of South Africa] urged to take control of all water resources. *Farmer's Wk. [Bloemfontein]* 81:10-11, 13. Aug. 15, 1951. 24 F225
- 83100 HUISMAN, L. H. Slootreinigingsmachines voor de kleistrekken [Ditch cleaning machines for clay regions]. *Inst. v. Landtech. en Rationalisatie*. P. 10, 18 p. May 1951. 58.9 W12
- 83101 HUTCHINSON, K. T. Agriculture and the floods. Washington, U. S. D. A., Off. Sec., 1951. 7 p. 1.91 A2H97
Statement at a public meeting of the Missouri Basin State Committee in Kansas City, Mo., July 25, 1951.
- 83102 JACKSON, N. Irrigation is the answer; Southwest gardening can be pepped up by the convenient technique of sub-surface watering. *Org. Gard.* 19(3):28-30. Sept. 1951. 56.8 Cr3
- 83103 JONES, R. C., HOLTAN, H. N., and KIRKPATRICK, M. H. Increasing consumptive use and decreasing ground water supplies challenge the agriculturist. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:173-174. 1951. 4 C82
- 83104 JULÉN, G. Effekten av bevattning med åvatten och kloakvatten på olika typer av temporär vall. The effect of irrigation with river water and sewage water upon different types of temporary ley. *Sweden. Lantbrukshögsk. Inst. för Vaxtödlingslära. Vaxtödling* 6, 141 p. Ref. 1951. 64.9 Up6
- 83105 KAHN, A. R. Irrigation—small scale. *Indian Farming (n.s.)* 1(1/3):27-29. Apr./May 1951. 22 In283
- 83106 KAMBHU, M. L. X. Reclamation in Thailand today. *Reclam. Era* 37:189-191. Sept. 1951. 156.84 R24

- 83107 KENDALL, R. G. It will take 3 1/2 years to understand. Farmer & Stock-Breeder 65(3227):77-78. Aug. 28, 1951. 10 F228
Report of the Central Advisory Water Committee on land drainage in England and Wales.
- 83108 KESPER, L. A. Successful cooperation between Government and private enterprise. (In Dutch.) Plattelands-Post 7(31):1. Aug. 4, 1951. 12 P69
Reclamation.
- 83109 KIRKHAM, D., and GASKELL, R. E. The falling water table in tile and ditch drainage. Soil Sci. Soc. Amer. Proc. 15:37-42. 1950, pub. 1951. 56.9 So3
- 83110 KOKOT, D. F. Phenomenal expansion of water boring creates new problems; no need for alarm about sinking levels, but power pumping near towns is exhausting supplies; rainwater penetration into earth must be increased. Farmer's Wk. [Bloemfontein] 81:10-11, 13, 15. July 25, 1951. 24 F225
Union of South Africa.
- 83111 KOSTIN, I. S. Dissemination of scientific knowledge for conservation. (In Russian.) Les i Step' 3 (2):66-70. Feb. 1951. 99.8 L565
Chiefly on new irrigation technique.
- 83112 KRASIUKOV, P. A. Skillful utilization of machines in construction of dams. (In Russian.) Les i Step' 3(1):59-61. Jan. 1951. 99.8 L565
- 83113 KROLOFF, K. Water situation poses threat to Arizona farming. Reliance Rptr. 3(7):1-2. July 1951. 61.8 R27
- 83114 LAGOS U., J. A. Hidrología. Agr. Costarricense 9:174-177. May/June 1951. 8 Ag895
Irrigation.
- 83115 LEON JORDAN, H. Regadíos: el agua y el campo. Siembra [Madrid] 7(1):14-16. Jan. 1951. 15 Si1
Spain.
- 83116 LINDLEY, J. G. One hundred years of irrigation in the Central Valley, California. Reclam. Era 37:160-161, 183. Aug. 1951. 156.84 R24
- 83117 LIPPE, P. VON DER. Ceylon restores its ancient irrigation works. Civ. Engin. 21:521-524. Sept. 1951. 290.8 C49
- 83118 LOEBELL, R. Zur mechanisierung der entwässerungsarbeiten. Wasser u. Boden 3:100-101. May 1951. 56.8 W28
- 83119 LUGO BLANCO, J. J. Como nivelar un terreno. Agro [El Valle] 5(15):29-32. Nov./Dec. 1950. 9.95 Ag83
- 83120 LUTHIN, J. N. Proposed method of leaching tile-drained land. Soil Sci. Soc. Amer. Proc. 15:63-68. 1950, pub. 1951. 56.9 So3
- 83121 MCGILL, W. M. Ground water resources and problems of the South. (Abs.) Assoc. South. Agr. Workers. Proc. 48:172-173. 1951. 4 C82
- 83122 MANN, D. H. Five ewes per acre. Idaho Farmer 69:577. Aug. 2, 1951. 6 G282
Pasture irrigation.
- 83123 MARCHESI, J. M. Descubrimiento de las aguas subterráneas por el método de la resistividad eléctrica del subsuelo. Siembra [Madrid] 7(1):5-6. Jan. 1951. 15 Si1
- 83124 MATSON, H. Making a creek flow gently. Agr. Engin. 32:477, 480, 482. Sept. 1951. 58.8 Ag83
- 83125 MAUGHAN, J. H., and ISRAELSEN, O. W. Management of irrigation and drainage enterprises in Utah. Utah. Agr. Expt. Sta. B. 349, 49 p. June 1951. 100 Utl
- 83126 MAZZARELLA, P. Rainfall irrigation. (In Italian.) Humus 7(6):11-14. June 1951. 16 H88
Italy.
- 83127 MOATTI, P. La culture irriguée de la betterave. Choses vues en Espagne. Rev. Agr. de l'Afrique du Nord 49:356-363, 392-397. May 11-25, 1951. 80 R326
- 83128 MOORHOUSE, S. Grassland won from moors; a successful draining and re-seeding plan on a farm that has to battle against the Lancashire fells. Field 198:297-298. Aug. 25, 1951. 10 F45
- 83129 MOROZOVA, O. I. Development of feed supply base for Karakul sheep raising in Kara-Kum desert in connection with the construction of the Principal Turkmenian Canal. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):10-14. Nov./Dec. 1950. 49 K14
Irrigated pastures.
- 83130 NEW YORK (STATE). FLOOD CONTROL COMMISSION. Report for the period April 1, 1950 to March 31, 1951, sixteenth report. Albany, 1951. 85 p. 290.9 N488
- 83131 NICHOLSON, H. H., ALDERMAN, G., and FIRTH, D. H. An experiment in the control of the ground water-level in a fen peat soil. J. Agr. Sci. 41:149-162. Ref. Jan./Apr. 1951. 10 J822
- 83132 NORMAN, D. A use for rice grass; the Dutch have proved its value in land reclamation; it could benefit some of our mud flats. Field 198:185. Aug. 4, 1951. 10 F45
Spartina townsendii.
- 83133 OEHLRICH, C. Indien; grosse bewässerungsprojekte im klassischen land der wasserwirtschaft. Wasser u. Boden 3:101-103. May 1951. 56.8 W28
- 83134 PADILLA GONZÁLEZ, G. Beneficios económicos derivados de las obras de riego. Inst. Agr. Nac. B. 2(10):3-7. Apr. 1951. 281.9 C17
- 83135 PARISH, F. J. Effective drainage methods. Ontario Crop Impr. Assoc. Addresses & Proc. 13:33-37. 1951. 64.9 On83
- 83136 PESCHIERA, F. Problema de irrigación en el Peru. Peru. Dir. Gen. de Com. Inform. Com. 2(17):3-5; (18):11. (Cont.) May-June 1951. 286.9 P432
- 83137 RENAUD, M. La sodification du sol, maladie des terres irriguées. Rev. Agr. de l'Afrique du Nord 49:541-542. July 20, 1951. 80 R326
- 83138 SABUCEDO DEL ARENAL, S. La mecanización integral de los nuevos regadíos. Siembra [Madrid] 7(3):39-40. Mar. 1951. 15 Si1
Spain.
- 83139 SAVCHENKO-BEL'SKII, A. A. Speeding up the thawing of snow near shelterbelts. (In Russian.) Les i Step' 3(2):71-77. Feb. 1951. 99.8 L565
- 83140 SEMENOV, V. A. For a speedy change to the new system of irrigation [in Chkalov Region]. (In Russian.) Les i Step' 2(12):39-40. Dec. 1950. 99.8 L565
- 83141 SHINN, L. B. King Cotton and the drought. Reclam. Era 37:177-178. Aug. 1951. 156.84 R24
Cotton irrigation in California.
- 83142 SIERRA, H. M. Riego aéreo en Guatemala. Hacienda 46(9):48-49. Sept. 1951. 6 H11
- 83143 SINGH, R. P. The problem of irrigation in India. Allahabad Farmer 25:116-120. May 1951. 22 AL5
- 83144 STACKHOUSE, C. H. Plant across the tile. Co. Agent & Vo-Ag Teacher 7(5):8-10. May 1951. 275.28 N213
Tile drainage.
- 83145 STRATTON, C. New Hampshire grower believes in irrigating early. Mkt. Growers J. 80(8):9, 19. Aug. 1951. 6 M34
- 83146 STRAUS, M. W. The saga of Central Valley. Reclam. Era 37:167-174. Aug. 1951. 156.84 R24
Pioneers in the development of the Central Valley reclamation project.
- 83147 STUCKY, A. Von den bewässerungsanlagen im Wallis. Verband Schweiz. Konsumver. Genossensch. Jahrb. 1951:38-45. 280.29 V583
- 83148 SUAREZ DE CASTRO, F., and BETANCOURT, H. Canales de desviación y acequias de ladera. 1. Rev. Cafetera de Colombia 10:3653-3679. June 1951. 68.28 R32
- 83149 TOBERMAN, J. P. Automatic-irrigation. Begonian 18:189-193. Sept. 1951. 96.511 B39
- 83150 TORTAROLO, G. The Adige-Garda-Tartaro-Canalbianco problem. (In Italian.) Rass. Econ. del Polesine (n.s.):5:39-44. Mar./June 1951. 280.8 R183
Reclamation and flood control.
- 83151 UHDE, O. Die vollendung der kanalisierung der Mittelweser und die Marschen. Hannoversche Land-u. Forstwirtschaft. Ztg. 104:321, 362. (Concl.) Apr. 7, 21, 1951. 18 H194
- 83152 UNION OF SOUTH AFRICA. IRRIGATION DEPT. Report for the period 1st April, 1948, to 31st March, 1949. Pretoria, 1950. 28 p. 55.9 So842
- 83153 U. S. FARMERS' HOME ADMIN. Minimum standards for planning and construction of farm irrigation systems. Washington? n.d. 18 p. 1.949 M66
- 83154 U. S. GEOLOGICAL SURVEY. Ground-water resources of the Republic of El Salvador, Central America. U. S. Geol. Survey. Water-Supply Paper 1079-D, 225 p. 1951. 407 G29W
- 83155 U. S. GEOLOGICAL SURVEY. Missouri River Basin floods of April-May 1950 in North and South Dakota. U. S. Geol. Survey. Water-Supply Paper 1137-A, 114 p. 1951. 407 G29W
- 83156 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1949. 11. Pacific slope basins in California. U. S. Geol. Survey. Water-Supply Paper 1151, 464 p. 1951. 407 G29W

- 83157 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1948. 13. Snake River Basin. U. S. Geol. Survey. Water-Supply Paper 1123, 269 p. 1951. 407 G29W
- 83158 U. S. GEOLOGICAL SURVEY. Water levels and artesian pressure in observation wells in the United States in 1948. 1,3-6. U. S. Geol. Survey. Water-Supply Paper 1126, 1128-1131. 1951. 407 G29W
- 83159 U. S. MISSOURI BASIN INTER-AGENCY COMMITTEE. SUBCOMMITTEE ON ADEQUACY OF FLOWS IN THE MISSOURI RIVER. Report on adequacy of flows in the Missouri River. Washington? 1950. 82 p. 173 M693R
- 83160 VADJUNINA, A. F. To retain more snow on the fields and in shelterbelts. (In Russian.) *Les i Step'* 2(12):63-66. Dec. 1950. 99.8 L565
- 83161 VALKEN, K. F. The closing-up of the Brielsche Maas and its consequences. (In Dutch.) *Tijdschr. v. Econ. en Sociale Geog.* 42:113-118. May/June 1951. 280.8 T44
English summary.
- 83162 VASEY, T. K. Central Valley project—a sound investment. *Reclam. Era* 37:162-163. Aug. 1951. 156.84 R24
- 83163 VASJUTIN, V. F. The great structures of communism. (In Russian.) *Akad. Nauk SSSR. Izv. Otd. Ekon. i Prava* 1:7-38. Ref. Jan./Feb. 1951. 280.9 Akl
Irrigation canals and hydroelectric stations chiefly.
- 83164 VILLAFANE, A. El Noroeste Argentino y sus problemas. *Pampa Argentina* 24(281):3,28,30. May 1951. 9 P19
Includes irrigation.
- 83165 VISENTINI, M. Nomenclature and classification in irrigation. (In Italian.) *Assoc. Naz. delle Bonifiche, Irrig. e Miglioramenti Fondiari. B. Mens.* 5:125-128. June 1951. 55.9 As72
- 83166 WALKER, J. P., EDMISTER, T. W., and LILLARD, J. H. Techniques of drainage research in Virginia—typical of the Southeast. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:174. 1951. 4 C82
- 83167 WARNE, W. E. Water and the world. (Condensed.) *Reclam. Era* 37:185-188. Sept. 1951. 156.84 R24
Water supplies for irrigation.
- 83168 WATSON, J. R., JR. Irrigation and compaction on established fairway turf. *Pa. State Col. Abs. Doct. Diss.* 13:59-63. 1951. 241.8 P38
- 83169 WOLFE, J. W. How to buy a sprinkler system. *Better Crops Plant Food* 35(7):15-16. Aug./Sept. 1951. 6 B46
- 83170 YACKULIC, G. A. More farms "under the ditch." *Family Herald & Wk. Star* 82(26):5. June 28, 1951. 7 F21
Irrigation water for Alberta farms provided by the Bow River Development.
- 83171 YATES, C. M. Irrigation of pastures and meadows. *Ontario Crop Impr. Assoc. Addresses & Proc.* 13:37-39. 1951. 64.9 On83
- 83172 ZACH, L. W. Effect of rainfall on stream flow in southeast Alaska. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 4, 2 p. Apr. 1950. 1.962 A3T22
- 83173 ZAMARIN, E. A. New hydraulic structures of the land of socialism. (In Russian.) *Les i Step'* 2(12):7-13. Dec. 1950. 99.8 L565
Irrigation canals and hydroelectric stations.
- Erosion and Erosion Control**
- 83174 ALFANI, A. The Chianti demonstration area. (In Italian.) *Agr. Tosc.* 6:244-245. July 1951. 16 Ag827
Soil protection and water regulation.
- 83175 ALICANTE, M. M. Agricultural engineering in soil conservation. *Philippine Agr. Engin. J., First Q.* 1951:35-36. 58.8 Ag88
- 83176 ALONSO MUÑOZ, A. El problema de la erosión. *B. de Divulg. Ganad. [Ciudad Real]* 6(58/60, i.e. 61/63):7-10. Apr./June 1951. 49.9 Sp14
- 83177 ANDERSON, H. W. Physical characteristics of soils related to erosion. *J. Soil & Water Conserv.* 6:129-133. July 1951. 56.8 J822
- 83178 ANDRADE, J. L. DE. Soil conservation. (In Portuguese.) *Granja [Lisboa]* 10:67-76. Apr./June 1951. 15.5 G76
- 83179 BAVER, L. D. How serious is soil erosion? *Soil Sci. Soc. Amer. Proc.* 15:1-5. 1950, pub. 1951. 56.9 So3
- 83180 BEAM, A. Soil conservation par-excellence. *Nebr. Farmer* 93(17):7. Sept. 1, 1951. 6 N27
- 83181 BENNETT, H. H. Grass for soil conservation and better yields. Washington, U. S. Soil Conserv. Serv., 1951. 11 p. 1.96 Ad62
Address at Grass Conference. Atlanta. Aug. 19. 1951.
- 83182 BENNETT, H. H. The land and the people. Washington, U. S. Soil Conserv. Serv., 1951. 12 p. 1.96 Ad62
Address, Missionary Conference of Methodist Ministers of the Southeast, Lake Junaluska, N. C., July 21, 1951, on soil conservation.
- 83183 BENNETT, H. H. Up-to-date farmers practice soil conservation. Washington, U. S. Soil Conserv. Serv., 1951. 6 p. 1.96 Ad62
Address, National Soil Conservation Field Day and Plowing Matches, near Bethany, Mo., Aug. 17, 1951.
- 83184 BOYKIN, C. C., JR. The effect of cover on rain penetration. *Tex. Livestock J.* 10(9):7. Sept. 1951. 49 T29
- 83185 BUIE, T. S. Plentiful seed for soil conserving. *Better Crops Plant Food* 35(7):22,35-36. Aug./Sept. 1951. 6 B46
- 83186 CHEPRASOV, P. Wild cherry [*Prunus avium*]—for control of gullies. (In Russian.) *Les i Step'* 3(2):82. Feb. 1951. 99.8 L565
- 83187 CONSERVATION district. *Farm Q.* 6(3):44-47, 92. Autumn 1951. 6 F22995
Soil and water conservation, Fulton County, Pa.
- 83188 CORMACK, R. M. M. The mechanical protection of arable land. *Rhodesia Agr. J.* 48:135-164. Mar./Apr. 1951. 24 R34
Storm drains, contour ridges, grass waterways in soil erosion control.
- 83189 CORRÊA, A. A. M. Soil conservation. II. Crop rotation in erosion control. (In Portuguese.) *Seleç. Agr.* 6(63):45-46. July 1951. 9.2 Se4
- 83190 DANIEL, H. A. Water conservation for wheat production in Oklahoma. *Soil Sci. Soc. Amer. Proc.* 15:408-412. 1950, pub. 1951. 56.9 So3
Conservation of runoff.
- 83191 DEVEREUX, R. E., STEELE, F., and TURNER, W. L., JR. Permeability and land classification for soil and water conservation. *Soil Sci. Soc. Amer. Proc.* 15:420-423. 1950, pub. 1951. 56.9 So3
- 83192 DILLON, O. A. Include conservation in your supervised, at-home, farming programs. *Co. Agent & Vo-Ag Teacher* 7(5):14-15, 23. May 1951. 275.28 N213
Soil and water conservation education.
- 83193 EKERN, P. C. Raindrop impact as the force initiating soil erosion. *Soil Sci. Soc. Amer. Proc.* 15:7-10. Ref. 1950, pub. 1951. 56.9 So3
- 83194 FINNELL, H. H. Depletion of High Plains wheatlands. U. S. D. A. C. 871, 18 p. June 1951. 1 Ag84C
Wind erosion control.
- 83195 GUTIERREZ C., H. La campaña de defensa y restauración de suelos. *Rev. Cafetera de Colombia* 10:3545-3546. Mar. 1951. 68.28 R32
- 83196 HAARER, A. E. Erosion creeps nearer. *Health & Soil, Summer/Autumn* 1951:26-28. 56.8 H34
- 83197 HARROLD, L. L. Water requirements of crops and available moisture supplies. *Ontario Crop Impr. Assoc. Addresses & Proc.* 13:24-32. 1951. 64.9 On83
Soil and water conservation.
- 83198 HUNTSINGER, A. E. The businessman's stake in soil conservation. *Grange Herald* 13(12, sect. A):5-7, 9-10. July 1951. 6 G764
- 83199 IIZUKA, H. Wind erosion prevention by wind-break. (In Japanese.) *Japan. Govt. Forest Expt. Sta. B.* 45:95-129. Sept. 1950. 99.8 R47
English summary.
- 83200 JARKE, J. Die sedimentation in den schleswig-holsteinischen förden. *Natwiss. Ver. f. Schleswig-Holstein. Schr.* 25:204-210. Ref. 1951. 509 K54
- 83201 KARSTENS, G. A., and ACKERSON, O. E. Grass waterways. *Purdue U. Agr. Ext. L.* 337, 7 p. 1951. 275.29 In2L
- 83202 KHARITONOV, G. A. Forest plantations for erosion control in the valley of Middle Don. (In Russian.) *Les i Step'* 3(1):34-41. Jan. 1951. 99.8 L565
- 83203 LEONT'EV, A. A. Conquest of the desert. (In Russian.) *Les i Step'* 3(2):24-26. Feb. 1951. 99.8 L565
Stabilization of sands by planting.
- 83204 LIMESTONE VALLEY. SOIL CONSERVATION DISTRICT. Tenth anniversary report. n.p., 1950. 48 p. 56.8 L62
Georgia.

83205 LUIĆ, R. L'évaluation de quantité de matériaux dans la lave torrentielle sur base de la formule de Herheouldze-stiny. (In Croatian.) Sumarski List 75:201-206. May 1951. 99.8 Su6

French summary.

83206 MARTI, E. Eustaquio Aguayo, conservador de suelos. P. R. Agr. Col. Ext. Carta Mens. 8(3):5-6. June 1951. 275.29 P96Ca
Puerto Rico.

83207 MARTIN, R. Woodward County Soil Conservation District wins Goodyear award for Oklahoma. Farmer—Stockman 54(9):8. Sept. 1951. 6 Ok45

83208 MERRILL, L. P. Some agricultural engineering problems in soil and water conservation. Agr. Engin. 32:481-482. Sept. 1951. 58.8 Ag83

83209 MOLINELLI, J. C. Erosion! Uruguay. Inst. Nac. de Colon. B. 2(13):1-2. Feb. 1951. 282.29 Ur8

83210 PÉREZ GARCÍA, M. Alerta a la conciencia agrícola de Hispano América. Rev. Cafetera de Colombia 10:3554-3558. Mar. 1951. 68.28 R32
Soil conservation.

83211 PETROV, M. P. Conditions for growing forests on the sands of the right bank of the Lower Volga. (In Russian.) Les i Step' 3(2):17-23. Feb. 1951. 99.8 L565

Erosion control.

83212 PETROV, M. P. Stabilization of movable sands by afforestation in the dry regions of Russia. (In Russian.) Les i Step' 2(12):68-71. Dec. 1950. 99.8 L565

83213 RYKAART, M. C. "Vitamin trains" are vital to our big cities, but heavy loads of plundered fertility leaving Transvaal Lowveld deplete rich sub-tropical valleys. Veldtrust 12(5):29-31. May 1951. 56.8 V54

83214 SANCHEZ, T. R. Conserve sus suelos. Cent. Nac. de Agron. C. Agr. 36.4 p. Apr. 1951. 8 Sa54C

83215 SIMONETT, D. S. On the grading of dune sands near Castlereagh, New South Wales. Roy. Soc. N. S. Wales. J. & Proc. 84:71-79. Ref. 1950, pub. 1951 514 Sy24

83216 SLAYBACK, H. R. How they nail down their soil in Sussex County. N. J. Farm & Gard. 22(9):14-15, 55. Sept. 1951. 6 G162

83217 SPIRIDONOV, A. I. Experimental study of water erosion and denudation in the laboratory. (In Russian.) Pochvovedenie 3:167-173. Mar. 1951. 57.8 P34

83218 STALLINGS, J. H. Abstracts of recent published material on soil and water conservation. V. U. S. D. A. PA-173, 66 p. June 1951. 1 Ag84Pro

83219 SUAREZ DE CASTRO, F. Experimentos sobre la erosión de los suelos. Fed. Nac. de Cafeteros de Colombia. B. Téc. 6, 44 p. Ref. May 1951. 68.29 F31Bt
Similar title in Rev. Cafetera de Colombia 10:3639-3643. June 1951. 68.28 R32

83220 SUAREZ DE CASTRO, F. Relaciones entre las lluvias y la erosión. Rev. Cafetera de Colombia 10:3547-3553. Mar. 1951. 68.28 R32

83221 SUAREZ DE CASTRO, F. Trabajemos la tierra en contorno. Agr. Trop. 7(7):49-53. July 1951. 26 Ag8

83222 TINDALL, C. Is soil conservation doing the job? Mo. Rur. 92(15):34-35. Aug. 11, 1951. 6 R8891
Effect of terraces and waterways on floods.

83223 U. S. SOIL CONSERVATION SERV. Books, booklets and bulletins on soil and water conservation. Washington, 1951. 25 p. 1.96 Ad6Bo

83224 U. S. SOIL CONSERVATION SERV. Soil conservation districts; status of organization, by States, approximate acreage, and farms in organized districts. Washington, 1951. 60 p. 1.96 R27Sc

83225 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Steps to pave your waterways with grass. Milwaukee, 1951. poster. 1.8 So35

83226 VAN DOREN, C. A., STAUFFER, R. S., and KIDDER, E. H. Effect of contour farming on soil loss and runoff. Soil Sci. Soc. Amer. Proc. 15:413-417. 1950, pub. 1951. 56.9 So3

83227 VESELOVSKIĬ, N. V., GOLOVKOV, M. P., and EREMENKO, V. I. A. Stalin Plan to change nature and problems of hydrochemistry. (In Russian.) Akad. Nauk SSSR. Vest. 4:19-22. Apr. 1951. 511 Ak14V

83228 VICENTE-CHANDLER, J., and SMITH, R. M. Principles and practices of bench terracing in Puerto Rico. J. Soil & Water Conserv. 6:134-145. July 1951. 56.8 J822

83229 WEAVER, D. S., and ELLIS, H. M. Terracing to reduce erosion. N. C. Agr. Col. Ext. C. 222, rev., 30 p. May 1951. 275.29 N811

83230 WEAVER, E. Reminds farmers that dairying is soil conservation. Dairyland Coop. Rev., Aug. 1951:21. 44.8 D1453

83231 WINSOR, J. H. Soil conservation surveys to do the job. J. Soil & Water Conserv. 6:125-128, 145, 154. July 1951. 56.8 J822

83232 WIRT, F. A. The dealer's role in a soil conservation program. Farm Equip. Retailing 12(3):38, 71-72, 74, 76, 78. Sept. 1951. 58.8 F2292

83233 WOLFF, W. Bodenerosion in Deutschland. Erde 3/4:215-228. 1950/51. 474 Er1

83234 ZINGG, A. W. Evaluation of the erodibility of field surfaces with a portable wind tunnel. Soil Sci. Soc. Amer. Proc. 15:11-17. 1950, pub. 1951. 56.9 So3

Sanitation

83235 HEBERT, J. Le sort des antiparasitaires dans le sol et leurs effets secondaires. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 2:127-143. Ref. Mar./Apr. 1951. 14 F8499

83236 HILTABRAND, W. F. Soil treatment as an aid to the pinto tag program. Pacific Coast Nurseryman 10(8):13. Aug. 1951. 80 P116

Shipping nursery stock without inspection at destination in California.

83237 JEFFERS, W. F. Soil fumigation; wide field-scale use predicted. Power Farming Austral. & New Zeal. 60(6):39, 41. June 1951. 58.8 P87

83238 MARTIN, J. W., SEELY, C. I., and KNIGHT, W. H. Effect of herbicides on rubber-covered cable. Agr. Engin. 32:497-498. Sept. 1951. 58.8 Ag83

In connection with soil sterilization at airports.

83239 MAZON, H. La désinfection des sols en cultures florales. Rev. Hort. de l'Algérie 55:120-121. Apr. 1951. 87 R32

83240 MONTAGNE, J. T. W., and VISSER, G. H. Le DD employé pour la désinfection du sol. Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:420-429. 1951. 464.9 C767

83241 SUGGITT, J. W. Chemical soil sterilization. Canada. Natl. Weed Comt. East. Sect. Proc. 4:102-105. July 1951. 79.9 C164

83242 TAYLOR, R. H. Soil sterilization; various methods described. Victoria. Dept. Agr. J. 49:223-228, 231. May 1951. 23 V66J

83243 YOUNG, H. Y., GORTNER, W. A., and CYKLER, J. F. Effect of desiccant on corrosiveness of D-D mixture. Agr. Engin. 32:502. Sept. 1951. 58.8 Ag83

MATERIALS FOR SOIL IMPROVEMENT

83244 EJSING, G. Fertilizing with macro- and micro elements. (In Danish.) Dansk Landbr. 70:232-234. May 17, 1951. 280.28 V91

83245 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Manures and fertilizers. Gt. Brit. Min. Agr. & Fisheries. B. 36, 96 p. 1951. 10 G794B

83246 KEINTZEL. Bessere verwertung der wirtschafseligen düngemittel im schlepperbetrieb. Württemb. Wchnbl. f. Landwirt. 118:405-407. May 19, 1951. 18 W96

83247 MILTON, R. F. The place of seaweed in garden feeding. Smallholder 85(2152):8. Aug. 17, 1951. 10 Sm1

83248 PRATOLONGO, U. Is the direct use of raw phosphates proper? (In Italian.) Humus 7(7):3-6. July 1951. 16 H88

83249 SCHAEFFERT, F. A. Un intéressant sous-produit de la vigne, le fumier de marc 3 fois plus riche en éléments fertilisants que le fumier ordinaire. Rev. Agr. de l'Afrique du Nord 49:219-221. Mar. 23, 1951. 80 R326

83250 STEPHENSON, W. A. Seaweed as a fertiliser. Mr. Chase's Cloche Gard. Notes, July 1951:172-173. 80 M69

83251 VERGNAUD, H. La notion "solubilité" dans les engrais. Indus. Chim. 38:223-224. Aug. 1951. 383 In2

83252 WOOD, L. B. Peanut shells add vitality to tobacco crop; bedding of stall-fed steers in James Love's 304-foot Quincy barn aids shade leaf growth. Fla. Grower 59(9):13. Sept. 1951. 80 F6622

Primary Materials

- 83253 CLARK, K. G., and HARDESTY, J. O. Treatment of phosphate rock with nitric acid. *Agr. Chem.* 6(9):42-46, 113, 115, 117. Ref. Sept. 1951. 381 Ag8
- 83254 HILL, W. L. The particle size factor in phosphate availability. U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soils & Fert. Lab. 4:38-39. 1951. 1.965 A2P942
- 83255 MARCHESI SOCIATS, J. M. Los abonos sintéticos modernos. *Siembra* [Madrid] 7(5):13-15. May 1951. 15 S11
- 83256 SCHMITT, L. Zusammensetzung und Wirkung neuer Phosphatdünger. *Neue Mitt. f. die Landwirt.* 6:415-416. (Cont.) June 23, 1951. 18 N39
- 83257 SCHREIBER, R. Neue phosphate für die Landwirtschaft. *Landwirt. Jahrb. f. Bayern* 28(5/6):91-101. May/June 1951. 18 L24

Secondary and Minor Element Materials

- 83258 JETNE, M. Manganese and farm plants. (In Norwegian.) *Landbruks Tidende* 57:391. May 16, 1951. 11 L236
- 83259 KATALYMOV, M. V. Manganese content in fertilizers. (In Russian.) *Akad. Nauk SSSR. Dok.* 77:447-448. Mar. 21, 1951. 511 P444A
- 83260 TRACE minerals and the farmer. *Farm Q.* 6(3):56-59, 131-134. Autumn 1951. 6 F22995
- 83261 U. S. BUREAU OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The minor or trace elements in soils, plants, and animals, by W. O. Robinson. Beltsville, 1951. 9 p. 1.965 A2M66
- 83262 WIND, J. Trace elements in agriculture. (In Dutch.) Netherlands. Landbouwvoorlichtingsdienst. Maandbl. 8:223-233. June 1951. 12 N383M

Mixed Fertilizers and Fertilizer Technology

- 83263 ALLEN, H. R. Report on sampling fertilizers. *Assoc. Off. Agr. Chem. J.* 34:620-623. Aug. 15, 1951. 381 As7
- 83264 BONNER, F. L., and EPPS, E. A., JR. Determination of nitrogen in calcium ammonium nitrate by formaldehyde titration. *Assoc. Off. Agr. Chem. J.* 34:766. Aug. 15, 1951. 381 As7
- 83265 CLARK, K. G., and HOFFMAN, W. M. Forms and solubility of phosphorus in mixed fertilizers. U. S. Bur. Plant Indus., Soils & Agr. Engin. Proc. Annu. Mtg. Collab. Soil & Fert. Lab. 4:35-37. 1951. 1.965 A2P942
- 83266 DAVIS, H. A. Report on nitrogen in fertilizers. *Assoc. Off. Agr. Chem. J.* 34:653-659. Aug. 15, 1951. 381 As7
- 83267 FORD, O. W. Report on potash. *Assoc. Off. Agr. Chem. J.* 34:660-665. Aug. 15, 1951. 381 As7
- Determination in fertilizers.
- 83268 HART, G., and HALBROOK, N. J. Report on sulfur in mixed fertilizers. *Assoc. Off. Agr. Chem. J.* 34:666. Aug. 15, 1951. 381 As7
- 83269 HILL, W. L., CARO, J. H., and KUMAGAI, R. Report on free water in fertilizers; water content of sundry fertilizers shown by official methods. *Assoc. Off. Agr. Chem. J.* 34:641-653. Aug. 15, 1951. 381 As7
- 83270 JACOB, K. D., and others. Report on phosphoric acid; relation of particle size of calcium metaphosphate to its citrate solubility and fertilizer efficiency. *Assoc. Off. Agr. Chem. J.* 34:624-640. Ref. Aug. 15, 1951. 381 As7
- W. H. Armiger, J. H. Caro, and W. M. Hoffman, joint authors.
- 83271 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. Report of analyses of commercial fertilizers and lime materials sold in New York State, January 1 to December 31, 1950. N. Y. Dept. Agr. & Mkt. B. 375, 49 p. Apr. 1951. 2 N482
- 83272 NORTH CAROLINA. DEPT. OF AGRICULTURE. North Carolina fertilizer report, 1949-1950. N. C. Dept. Agr. B. 121, 135 p. Dec. 1950. 2 N81B
- Analyses.

Fertilizer Statistics

- 83273 BRANNAN, C. F. What's ahead in fertilizers. (Sum.) *Farm Policy Forum* 4(9):20-24. Sept. 1951. 281.8 F2274
- 83274 EWALD, U. Die weltlage bei handelsdünger. *Landwarenkaufmann* 30:2. In *Ernährungsdienst* 6(88). Aug. 4, 1951. 389.8 Er62
- 83275 GIEREN. Die Kallversorgung der Ernte 1951. *Hannoversche Land- u. Forstwirtschaft. Ztg.* 104:385. Apr. 28, 1951. 18 H194

- 83276 PEZZI-ESCOT, M. E. Es necesario resolver urgentemente el problema de la industria de alcalis y abonos. *Peru. Dir. Gen. de Com. Inform. Com.* 2(14):2. Feb. 1951. 286.9 P432

Mineral Soil Amendments

- 83277 CARTER, O. R., COLLIER, B. L., and DAVIS, F. L. Blast furnace slags as agricultural liming materials. *Agron. J.* 43:430-433. Ref. Sept. 1951. 4 Am34P
- 83278 CHENEY, H. B., and FITTS, J. W. Good limestone is pure and fine. *Iowa. State Col. Agr. Ext.* Iowa Farm Sci. 6:19-21. Aug. 1951. 275.28 Io94
- 83279 CRAWFORD, A. Crushing limestone on the farm. *New Zeal. Farmer* 72(12):8. Aug. 2, 1951. 23 N484
- 83280 CROWTHER, E. M. Lime in agriculture. *Chem. Trade J. & Chem. Engin.* 129:395. Aug. 17, 1951. 382 C422
- 83281 MACINTIRE, W. H. Report on soils and liming materials. *Assoc. Off. Agr. Chem. J.* 34:586-587. Aug. 15, 1951. 381 As7
- 83282 SHAW, W. M. Report on liming materials and exchangeable hydrogen in soils. *Assoc. Off. Agr. Chem. J.* 34:595-597. Aug. 15, 1951. 381 As7

Manures and Composts

- 83283 ALAMANNI, M. Simple, but perfect, fertilizing. (In Italian.) *Agr. Tosc.* 6:278-279. Aug. 1951. 16 Ag827
- Care and handling of manures.
- 83284 ALLUE MORER, A. Cómo emplear el estiércol. *Ceres* [Valladolid] 16(181):5. June 1, 1951. 15 C33
- 83285 ANSTETT, A. Le sarment de vigne, source d'humus. *Soc. des Agr. d'Algérie. B.* 95:183-200. 1951. 24 S01
- Also in *Rev. Agr. de l'Afrique du Nord* 49:167-172, 183-187. Mar. 2-9, 1951. 80 R326
- 83286 BERTOLINI, M. Preparación del "compost" o abono artificial con tallos de maíz. *Agr. Trop.* 7(7):53. July 1951. 26 Ag8
- 83287 BLAKE, G. A. Liquid manure. *New Zeal. Dept. Agr. B.* 256, rev., 20 p. 1951. 23 N48Bu
- 83288 CHIAPPELLI, R. Artificial manure. (In Italian.) *Risicoltura* 39:57-59. Mar. 1951. 59.8 G43
- 83289 CORTVRIENDT, S. F., and GROOTE, R. DE. Le compost des villes, sa préparation et ses possibilités d'emploi en agriculture et en horticulture. *Rev. de l'Agr.* 4:856-877. Ref. July 1951. 13 R322
- English summary.
- 83290 DECOUX, L. Paille, humus et mécanisation. *Inst. Belge pour l'Amélior. de la Betterave. P.* 18:283-309. Nov./Dec. 1950. 66.9 In7
- English summary.
- Care of straw as manure substitute.
- 83291 DUARTE, L. M. Utilización del estiércol y purín en la sierra central del Perú. *Serv. Coop. Inter-amer. de Prod. de Aliment. Ser. Inform. Téc.* 53, 5 p. May 1950. 9.8 Se6
- 83292 FEIX, H. Güllewirtschaft auf almbetrieben. *Allg. Bauern-Ztg.* 6(25):6. June 23, 1951. 19 K142
- 83293 FOSTER-SMITH, R. No substitute for compost. *Health & Soil, Summer/Autumn 1951*:13. 56.8 H34
- 83294 GISIGER. Kehrlicht als dünger und bodenverbesserungsmittel. *Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg.* 42:217-225. 1951. 389.9 Sw6
- 83295 GODE, R. B. Conversion of night soil into manure in villages. *Compost B.* 3(3):44-48. Sept. 1950. 57.8 C732
- 83296 GUSTAFSSON, N. E. The fertilizer problem. (In Swedish.) *Västerbotten* 1:17-19. (Cont.) Feb. 1950. 11 V442
- Use of manure.
- 83297 IDNANI, M. A. Human urine, an unexploited source of manure. *Indian Farming (n.s.)* 1(3):22-23. June 1951. 22 In283
- 83298 KING, F. C. Digging is not necessary. *Health & Soil, Summer/Autumn 1951*:9-10. 56.8 H34
- Composts.
- 83299 KORTLEVEN, J. Use of unfermented sewage. II. (In Dutch.) Netherlands. Landbouwvoorlichtingsdienst. Maandbl. 8:234-235. June 1951. 12 N383M
- For fertilizer.
- 83300 MCCONACHIE, J. T. Large-scale composting. *New Zeal. J. Agr.* 82:521, 523, 525-526. June 1951. 23 N48J

83301 MAGAREY, A. A. Compost as an aid in restoring soil fertility. So. Austral. Dept. Agr. J. 54:513-514. May 1951. 23 So84

Compost preparation.

83302 MARSHALL, J. Our compost manager's report. Mr. Chase's Cloche Gard. Notes, June 1951:157-158. 80 M69

83303 MORGADO, M. L. Fertility of agricultural soils and compost. (In Portuguese.) Gaz. do Agr. 3:91-94. (Cont.) Apr. 1951. 24 G25

83304 NAHMANI, Z. The efficient utilization of poultry manure. (In Hebrew.) Hassadeh 31:416-417. May 1951. 26 H27

83305 NOAH. Manure and farm management. (In Hebrew.) Hassadeh 31:417-418. May 1951. 26 H27

83306 OLIVER, B. Chemists are hostile to compost. Health & Soil, Summer/Autumn 1951:4-6. 56.8 H34

83307 PETERSEN, N. Behandeln wir den boden richtig? XIII. Kann die Indore-technik die bodenfruchtbarkeit wieder herstellen? Tech. f. Bauern u. Gärt. Ausg. A 3:433-434. Aug. 10, 1951. 58.8 T223

83308 PRIMOST, E. Humon—ein vollwertiger ersatz für stallmist. Gartenbauwirtschaft [Wien] 10:108-109. May 25, 1951. 80 G1936

83309 RAHN, E. M. Put your broiler manure to work—it's valuable. Broiler Growing 2(9):12-13, 30-31. Sept. 1951. 47.8 B782

83310 ROGENT, I. El rey de los abonos. Cult. Mod. 34:172. May 1951. 15 C89

Manure.

83311 SMITH, V. T. Store and use barnyard manure properly for conservation, efficiency, profits. Idaho. Agr. Col. Ext. C. 106, 4 p. June 1950. 275.29 Id13C

83312 VAN VUREN, J. P. J. Compost. Union So. Africa. Dept. Agr. B. 310, 39 p. Ref. 1950. 24 So84P

FORESTRY

GENERAL

83313 BEEKMAN, W. B. The International Forestry Exhibition at Lyon. (In Dutch.) Houthandel 4:137. July 19, 1951. 99.81 H81

83314 BLISS, R. K. Arbor Week—importance of trees to Iowa. Iowa State Watersheds B. 2:14-15. June 1951. 290.8 Io9

83315 BRIEF outline of organizations vitally interested in Ontario's forests. Thunder Bay Timber Oper. Assoc. Log Book 3:13-16, 18. May/June 1951. 99.9 T42

83316 BROWN, M. Forest of friends. Banking 44(3): 126-127. Sept. 1951. 284.8 Am3

Emphasis on forestry in Quebec 4-H Clubs.

83317 BUCHHOLZ, E. Die fremdsprachige fachliteratur. Holz-Zentbl. 77:548-549. Apr. 17, 1951. 99.81 H742

83318 BUNDESANSTALT FÜR FORST- UND HOLZWIRTSCHAFT. Bibliographie des ausländischen forst- und holzwirtschaftlichen schrifttums. 2. Bundesanst. f. Forst- u. Holzwirt. Mitt. 22, 144 p. 1951. 99.9 R273

83319 COLLINS, P. B. Forestry and the Festival; how Britain's need for timber is being met, and what that means to the countryside, told in models. Field 198: 98-99. July 21, 1951. 10 F45

83320 DAHMS. Wettbewerbslage - monopolstellung; kritische nationalökonomische betrachtung zur marktform der forstwirtschaft. Weltholzwirtschaft 3:53-55. Mar. 1951. 99.82 W46

83321 DAUSTER, K. H. Du und dein wald. Deut. Forstmann, p. 35-36. In Forst u. Holz 6(9). May 1, 1951. 99.8 F7724

83322 DECENCIERE, E. Les enseignements du Congres Regional du Peuplier. Forêts de France 32:5. June/July 1951. 99.9 F315

83323 DUBRET, R. Les beaux arbres. Bois et Scieries 57:699-701. July 19, 1951. 99.81 B632

83324 ECUADOR. DEPT. FORESTAL. Museo Botanico-Forestal del Departamento Forestal del Ecuador. Ecuador. Dept. Forest. P. 12, 5 p. Mar. 10, 1951. 99.9 Ec9P

83325 ELSÄSSER, A. Österreichische Forstverein und die standesvertretung. Österr. Vierteljahrschr. f. Forstw. 92:20-22. 1951. 99.8 Oe8

83326 FREUND. Die waldarbeiter-schutzhütte. Forstl. Mitt. 4:85-86. May 5, 1951. 99.8 F7725

Germany.

83327 GERARD, P. Etude de l'évolution forestière dans la Principauté de Stavelot et dans le Comté de Salm. Soc. Cent. Forest. de Belg. B. 58:129-163. Ref. Apr. 1951. 99.9 B83

83328 GILLETTE, C. A. M[ississippi] V[alley] L[umberman] praised for part in forest work. Miss. Val. Lumberman 82(50):47-48. Aug. 17, 1951. 99.81 M69

Statistics on forests and forest products.

83329 HANDEL-MAZZETTI, FREIHERR VON. Österreichische forstleute in Westdeutschland. Allg. Forstz. 6: 318-319. Aug. 8, 1951. 99.8 AL52

83330 HELLEN, E. A suggestion for forestry wage statistics in Scandinavian countries. (In Finnish.) Metsä-taloudellinen Aikakauslehti 6:181-183. 1951. 99.9 F49

English summary.

83331 HILSCHER, A. Tagung der Gesellschaft für Forstliche Arbeitswissenschaft e. V. im september 1950 in Nürnberg-Buchenbühl. Österr. Vrtjahresschr. f. Forstw. 92:112-120. (Concl.) 1951. 99.8 Oe8

Papers on work procedures in silviculture.

83332 HUFNAGL, H. Aschenbrödel waldbau. Österr. Forst- u. Holzwirt. 5:313-314. Oct. 21, 1950. 99.81 Os7

83333 JOHNSON, V. E. Quel est l'état de nos forêts? Forêt et Conserv. 3:321-326. (Cont.) July/Aug. 1951. 99.8 F792

83334 LEVON, M. The forestry of Argentina. III. (In Finnish.) Paperi ja Puu. B. 33:210-213. June 15, 1951. 302.8 P1991

English summary.

83335 LILLIEHOOK, M. Forests and forestry on the West Coast of America. Logging technique, labor, etc. (In Swedish.) Skogen [Stockholm] 38:194-195. Sept. 1, 1951. 99.8 Sk51

83336 METZ. Der mensch im betrieb. Forstl. Mitt. 4:105-106. (Cont.) June 5, 1951. 99.8 F7725

Forest labor.

83337 MEYER, H. A. Der deutsche wald, die lebensgrundlage der deutschen landwirtschaft. Hannoversche Land- u. Forstwirt. Ztg. 104:430. May 12, 1951. 18 H194

83338 MEYER, H. A. Erhaltung und bewirtschaftung der wälder in den vereinigten staaten von Amerika. Schweiz. Z. f. Forstw. 102:448-457. Aug./Sept. 1951. 99.8 J82

83339 MUJDRICA, M. Forestry and forest industry in Yugoslavia. (In Dutch.) Houthandel 4:154-157. July 26, 1951. 99.81 H81

83340 ORENSANZ MARTIN, B. El patrimonio forestal en Asturias. Montes 7:241-244. May/June 1951. 99.8 M763

83341 OUCHTERLONY, J. Dalarna's Forest Owner Association during the year 1950. (In Swedish.) Lantbrtidskr. f. Dalarna 2:51-54. Apr. 1951. 11 L29

83342 PLATZER, H. B. Kulturstücklöhne und lohn-tarifvereinbarungen 1950, eine betrachtung und ein weg. Forst u. Holz 6:97-99. Apr. 1, 1951. 99.8 F7724

83343 POURTET, J. Le Congrès Régional du Peuplier. Forêts de France 31:3. May 1951. 99.9 F315

83344 RECKE, GRAF VON DER. Forest study trip to USA, report. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Ber. über Ergeb. des Programmes f. Tech. Hilfeleist. 1, 36 p. 1950? 280.9 G317

83345 ROCHE, D. Regards sur l'étranger: le bois à travers le monde. Bois et Scieries 57:736. July 26, 1951. 99.81 B632

83346 RÜEDI, K. Moderne waldbwirtschaft und naturschutz. Schweiz. Z. f. Forstw. 102:424-436. Aug./Sept. 1951. 99.8 J82

83347 SCHMIDT, H. Die grüne kunst. Deut. Forstmann, p. 51. In Forst u. Holz 6(13). July 1, 1951. 99.8 F7724

83348 SCHMORL, K. Holz überall. Orionbücher 23, 69 p. 1950. 410 Or4

83349 SCHÖNHERR. Mit der eisenbahn in den wald. Unser Wald 4(7/8):12-13. July/Aug. 1951. 99.8 Un7

Various interrelationships.

83350 TSCHERMAK, L. Die "Österreichische Vierteljahresschrift für Forstwesen" im dienste unserer forstwirtschaft 1851-1951. Österr. Vierteljahresschr. f. Forstw. 92:1-20. 1951. 99.8 Oe8

83351 U. S. FOREST SERV. NORTHERN ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Publications of the Northern Rocky Mountain Forest and Range Experiment Station 1912 through 1950. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Paper 31, 69 p. July 1951. 1.9622 N3St1

83352 VAISSIERE, J. DE. Le Congrès International du Peuplier en Grande-Bretagne. Forêts de France 32:3. June/July 1951. 99.9 F315

83353 WEATHERBY, H. Southern interior round-up. Brit. Columbia Lumberman 35(8):47-48,116. Aug.1951. 99.81 B77

83354 WEIR, R. Woodsman, spare that tree! Health & Soil, Summer/Autumn 1951:41-42. 56^a H34

Education

83355 ALABAMA. DEPT. OF CONSERVATION. DIV. OF FORESTRY. A report on Alabama's fifth annual forestry camp for farm boys, by D. C. Royal. n.p.,1950. 16 p. 99.9 AL12

83356 BAUER, F. Studienreise ausländischer wissenschaftler an forstlichen versuchsanstalten und instituten westdeutschlands. Allg. Forstz. 6:334-335. Aug.22,1951. 99.8 AL52

83357 BERGESTAD, F. The Norwegian Trade School for Woodworkers. Pulp & Paper Mag. Canada 52(9):136, 138,140,142. Aug.1951. 302.8 P96

83358 CHEVAIS, D. Le Collège National Technique du Bois de Mouchard. Bois et Forêts des Trop. 18/19: 107-109. Second/Third Q.1951. 99.8 B632
English summary.

83359 CHEYNEY, E. G. Minnesota birthplace of forestry idea. Miss. Val. Lumberman 82(50):24,26,40. Aug.17,1951. 99.81 M69

83360 DIEKMANN, Zwei jahre forstschule. Deut. Forstmann, p.43-44. In Forst u. Holz 6(11). June 1,1951. 99.8 F7724

83361 GUTSCHICK, V. Auslese und ausbildung des revierforsternachwuchses in Deutschland. Osterr. Vierteljahresschr. f. Forstw. 92:44-49. 1951. 99.8 Oe8

83362 HAGEMANN, K. Gedanken über die forstliche arbeitslehre in der praxis. Forst u. Holz 6:188-190. July 1,1951. 99.8 F7724

83363 JANSSON, A. Work of the Forest Protection Board with the teaching of forest owners and with the vocational forestry education. (In Swedish.) Västerbotten 1:14-16. Feb.1950. 11 V442

83364 KUKACKA, Die höhere abteilung für holztechnik an der bundesgewerbeschule in Mödling. Internat. Holzmarkt 42(11):8-10. June 2,1951. 99.81 In82

83365 MYRING, W. F. Pledged to "Keep it green", Junior Wardens learn how in busy summer camp. Brit. Columbia Lumberman 35(8):86-88. Aug.1951. 99.81 B77

83366 NENAROKOMOV, A. V. Training of mechanizers—most import problem of forest conservation stations. (In Russian.) Les i Step' 3(2):42-44. Feb.1951. 99.8 L565

83367 ROTERT, F. Wie denkt der revierforsteranwärter über die ein- und zweijährige forstschulzeit? Deut. Forstmann, p.37. In Forst u. Holz 6(9). May 1,1951. 99.8 F7724

83368 RUPF, H. Die ausbildung der waldbesitzer. Allg. Forstz. 6:329-333. Aug.22,1951. 99.8 AL52
Forestry education in Germany.

83369 SAATÇIOGLU, F. Forest faculty at the University of Istanbul. (In Turkish.) Istanbul. U. Orman Fakul. Dergisi 1:1-68. 1951. 99.9 Is72
English summary.

83370 SJOSTEDT, S. I., and WINROTH, C. The continuation school with emphasis on forestry. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:149-172. 1951. 99.8 Sk5

Includes discussion.

83371 STEINGASS, K. P. Ein offenes wort zum thema: "zweijährige forstschulzeit." Forstl. Mitt. 4:93-94. May 20,1951. 99.8 F7725
Germany.

83372 TORTORELLI, L. A. La enseñanza forestal superior en la Argentina. Cien.e Invest. 7:272-274. June 1951. 475 C482

83373 WEDDING, K. U. Deutsche forststudenten in der Schweiz. Holz-Zentbl. 77:925-926. June 23,1951. 99.81 H742

83374 WUTTE, E. Zum kapitel: berufserziehung der waldarbeiter. Osterr. Forst- u. Holzwirt. 5:367-368. Dec.7,1950. 99.81 Os7

Policies, Programs, Administration

83375 ALVES, J. Activities of FAO concerning the Portuguese afforestation. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 13:195-200. June 1951. 309.9 J96
English summary, p. XLV; Text in French, p. 27-30.

83376 ANDERSON, D. A., and WAGONER, E. R. Texas Forest Service. Gulf Coast Lumberman 39(12):56, 58,60. Sept.15,1951. 99.81 G95

83377 BONDARENKO, V. A. In the steppes of Melitopol District [in Zaporozhe Region]. (In Russian.) Les i Step' 2(10):95-96. Oct.1950. 99.8 L565
Shelterbelts.

83378 BOVIN, A. I. Shelterbelts and stabilization of sands in the construction area of the Principal Turkmenian Canal. (In Russian.) Les i Step' 2(11):16-23. Nov.1950. 99.8 L565

83379 BUTLER ORBETA, J. M. Las Hurdes y su repoblacion forestal. Montes 7:186-194. May/June 1951. 99.8 M763

83380 CAPO, S. F. Forestry reclamation of the heath. (In Italian.) Prov. di Varese 22(10):1-2. May 30 1951. 280.8 P946

83381 CHUMAKOV, S. P. Toward a wider range in the Socialist competition of the transformers of nature. (In Russian.) Les i Step' 3(1):12-16. Jan.1951. 99.8 L565
Achievements of forest workers.

83382 CONKLIN, H. E. The Forest Practice Act as it relates to land use problems in New York State. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):19-21 Feb.1951. 99.9 So13N

83383 CULLIEN, H., JR. Views of the Department of Commerce. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):16. Feb.1951. 99.9 So13N

On the New York Forest Practice Act in operation.

83384 EHWALD, E. Zur kahlflächenaufforstung im Thüringer wald. Allg. Forstz. 6:290-291. July 11,1951. 99.8 AL52

83385 EID, H. A. Utilization of forest reserves. (In Norwegian.) Skogteieren 38:107-109. July 15,1951. 99.81 Sk5

83386 ELSÄSSER, A. Der Marshallplan in der forstwirtschaft. Osterr. Forst- u. Holzwirt. 5:377-379. Dec. 21,1950. 99.81 Os7

83387 ERDMANN, Zu "erbarmung mannnchen." Forst u. Holz 6:126-127. May 1,1951. 99.8 F7724
Forest administration in Germany.

83388 ERIKSSON, S. Is forestry subsidized by agriculture? (In Swedish.) Lantmannen 35:308. Apr.14,1951. 11 L234

83389 FINDLAY, D. S. Field work by the FPA Forester. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):7-9. Feb.1951. 99.9 So13N
New York Forest Practice Act.

83390 FRANCOIS, T. Forest policy, law, and administration. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 2,211 p. Dec.1950. 99.9 F73Fa

83391 FRÖHLICH, T. Die fahrerhaltung beim kraftwagen eines forstmeisters. Forst u. Holz 6:163-164 June 1,1951. 99.8 F7724

83392 GREELEY, W. B. Cooperative forest management in the Olympics. J. Forestry 49:627-629. Sept. 1951. 99.8 J768

83393 HESKE, F. National and international aspects of Turkish forestry. (In Turkish.) Istanbul. U. Orman Fakul. Dergisi 1:69-181. Ref. 1951. 99.9 Is72
English summary.

83394 HEYDEBRAND, E. O. VON. Wesen und wert des berufsbeamtentums. Deut. Forstmann, p.27-28. In Forst u. Holz 6(7). Apr.1,1951. 99.8 F7724

83395 JAGOW, L. W. K. VON. Hier spricht ein forstmann der Landwirtschaftskammer. Deut. Forstmann, p.55-56. In Forst u. Holz 6. July 15,1951. 99.8 F7724

Organization of administrative services.

83396 KEIB, J. E. Activities of the State Forest Practice Board. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):3. Feb.1951. 99.9 So13N

83397 KENNEDY, J. D. Local administration of the F.P.A. by the District Forester. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):6-7. Feb.1951. 99.9 So13N

New York Forest Practice Act.

83398 KERKOW, K. Dreissig jahre staatliche forstwirtschaft in Grossbritannien. Z. f. Weltforstwirtschaft 14:87-91. Aug.1951. 99.8 Z35

English summary.

83399 KHAN, M. H. Forestry in Pakistan. Pakistan J. Forestry 1:122-127. Apr.1951. 99.8 P17

83400 KONDRAT'EV, N. A. Two years of work of the forest conservation stations. (In Russian.) Les i Step' 3(1):53-56. Jan.1951. 99.8 L565

83401 KOPTEV, M. A. Toward new achievements of state farms in shelterbelt silviculture. (In Russian.) Les i Step' 3(2):57-60. Feb.1951. 99.8 L565

83402 KORSUNSKII, A. K., and GURINOVICH, L. S. Greater attention to the construction of forest conservation stations. (In Russian.) Les i Step' 3(2):12-16. Feb. 1951. 99.8 L565

- 83403 LAMA Y GUTIERREZ, G. DE LA. Diez años de trabajos forestales. Montes 7:195-201. May/June 1951. 99.8 M763
- 83404 LETTS, W. Activities of a District Board. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):9. Feb. 1951. 99.9 Sol3N
Administration of the New York Forest Practice Act.
- 83405 MCCLELLAN, J. C. Teaching wise forest management to a nation. Forest & Outdoors 47(9):16-19. Sept. 1951. 99.8 C16
American Forest Products Industries program.
- 83406 MCINTYRE, A. C. Cooperation with Soil Conservation Service. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):4-6. Feb. 1951. 99.9 Sol3N
- 83407 MANION, G. D. Views of a sawmill superintendent. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):10-12. Feb. 1951. 99.9 Sol3N
New York Forest Practice Act in operation.
- 83408 MASSAGUES, J. M. Repoblación forestal. Cult. Mod. 34:203-204. June 1951. 15 C89
Spain.
- 83409 MINEHARD, M. Wiederaufforstung in USA unter aktiver beteiligung der industrie. Holz-Zentbl. 77:767. May 24, 1951. 99.81 H742
- 83410 MINNESOTA. DEPT. OF CONSERVATION. DIV. OF FORESTRY. Tenth biennial report 1949-1950, section II. Minneapolis, 1951. 77 p. 279.9 M66
- 83411 MYERS, J. W., JR. Florida Parishes lead Keep Green movement in Louisiana. Forests & People 1(2):14-15, 30-31. July 1951. 99.8 F7628
- 83412 NEMCHENOK, I. A. S. Leading forest conservation stations of the State [shelterbelt] route, Belgorod—Don. (In Russian.) Les i Step' 3(1):75-77. Jan. 1951. 99.8 L565
- 83413 NORBY, N. Measures for safeguarding forestry labor supply. (In Swedish.) Skogen [Stockholm] 38:182-183. Aug. 1, 1951. 99.8 Sk51
- 83414 OLIVEIRA, B. DE. On the forestry problem. II. Lack of adequate policy. (In Portuguese.) Observador Econ. e Financ. 16(186):39-43. July 1951. 280.8 Ob72
Brazil.
- 83415 PESEZ, G. A. Views of an industrial operator pulp and paper. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):13-16. Feb. 1951. 99.9 Sol3N
On the New York Forest Practice Act in operation.
- 83416 PIRZADA, A. S. Agriculture Minister outlines new forest policy. Karachi Com. 4(18):7-8. May 26, 1951. 280.8 K14
- 83417 PUDELSKI. Grundsätzliches über das haushaltsrecht der gegenwart. Forstl. Mitt. 4:102-103. June 5, 1951. 99.8 F7725
Touches upon forestry in State accounting in Germany.
- 83418 REATEGUI, M. U. Fomento de la riqueza forestal. Peru. Dir. Gen. de Com. Inform. Com. 2(17):2-3. May 1951. 286.9 P432
Peru.
- 83419 REHWINKEL, E. Immer noch mehr aufforsten. Hannoversche Land- u. Forstwirt. Ztg. 104:584. June 23, 1951. 18 H194
- 83420 RETTIE, J. C. Objective and progress of the Forest Survey in the Northeast. Washington U. S. Forest Serv., 1951. 6 p. 1.962 A2R314
Statement at the third regular meeting of the New England-New York Inter-Agency Committee, Albany, June 14, 1951.
- 83421 REUS CID, V. La repoblación forestal en la provincia de Orense. Montes 7:212-218. May/June 1951. 99.8 M763
- 83422 SCHULZ. Stand der entlassungsaktion. Deut. Forstmann, p.52-53. In Forst u. Holz 6(13). July 1, 1951. 99.8 F7724
- 83423 SENF. Landschaftsgestaltung in der Deutschen Demokratischen Republik. Forstwirt., Holzwirt. 5:93-94. Mar. 15, 1951. 99.8 F7793
Reforestation.
- 83424 SKIFF, J. V. Public and private forestry get together. Tappi 34(8):24 A, 26 A. Aug. 1951. 302.8 T162
- 83425 SLIFER, MRS. W. B. F. P. A. and the New York State Federation of Garden Clubs. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):18-19. Feb. 1951. 99.9 Sol3N
New York Forest Practice Act.
- 83426 SMITH, L. The F. P. A. and the New York State Grange. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):16-18. Feb. 1951. 99.9 Sol3N
New York Forest Practice Act.
- 83427 SPINEUX, A. Le bois des Mazuys de Vitry: al ou le Service Forestier fut tenu en échec. Soc. Roy. Forest. de Belg. B. 58:215-222. May 1951. 99.9 B83
- 83428 STOCK, J. Views of an industrial operator-lumber. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):12-13. Feb. 1951. 99.9 Sol3N
The New York State Forest Practice Act in operation.
- 83429 TUTENKOV, N. N., and KRYLOV, V. N. Toward a speedier introduction of practices of leaders—innovators into production. (In Russian.) Les i Step' 3(1):64-70. Jan. 1951. 99.8 L565
Forestry policy.
- 83430 VILLEGAS DE LA VEGA, R. Influencia de la repoblación forestal con especies de crecimiento rápido, en la economía de la provincia de Santander. Montes 7:179-181. May/June 1951. 99.8 M763
- 83431 WATT, L. C. As seen by a cooperating woodland owner. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):9-10. Feb. 1951. 99.9 Sol3N
New York Forest Practice Act in operation.
- 83432 WEISSER. Fortschrittliche forstwirtschaft und holzabfuhr. Forstwirt., Holzwirt. 5:74-76. Mar. 15, 1951. 99.8 F7793
Germany.
- 83433 WINCH, F. E., JR. The Extension Service and the F. P. A. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):3-4. Feb. 1951. 99.9 Sol3N
New York Forest Practice Act.
- 83434 ZÜHLKE, S. Das "wirtschaftsland." Deut. Forstmann, p.36-37. In Forst u. Holz 6(9): May 1, 1951. 99.8 F7724
Public land as perquisites for forestry officials.

Legislation and Taxation

- 83435 ADOMAT. Die einkommensteuer der badischen waldbauern. Bauern-Ztg. 4(32):3. (Cont.) Aug. 10, 1951. 18 B324
- 83436 BESLEY, L. Taxation of Crown-granted timberlands in British Columbia. Brit. Columbia. U. Forestry B. 1, 86 p. Ref. Feb. 1951. 99.9 B7792
- 83437 BLACKWELL, L. P., and MORGAN, R. B. State tax laws clarified for land and timber owners. Forests & People 1(2):19-20. July 1951. 99.8 F7628
- 83438 BRIGHAM, J. H. The Oregon Forest Conservation Act. N. Y.-State Col. Forestry, Syracuse U. State Ranger Sch. Alumni News 1950:28-29, 38. 1951. 99.9 N487
- 83439 GRAINGER, M. B. Forest taxation in Europe and New Zealand. New Zeal. Forest Serv. Inform. Ser. 11, 107 p. 1950. 99.9 N491
- 83440 GRÖN, A. H. Sweden's forestry law of May 21, 1948. (In Danish.) Dansk Skovfor. Tidsskr. 36:301-313. June 1951. 99.8 D23
- 83441 GUSSONE, H. Zu: Forstgesetzgebung in Rheinland-Pfalz. Allg. Forstz. 6:283-285. July 11, 1951. 99.8 AL52
- 83442 HOLAND, P. The Norwegian system with taxes on commercial lumber to be used for silvicultural purposes and other forest investments. (In Norwegian.) Svenska Skogsvårdsför. Tidskr. 49:3-13. 1951. 99.8 Sk5
- 83443 HOPKINS, A. S. Background of the New York Forest Practice Act. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):2. Feb. 1951. 99.9 Sol3N
- 83444 IVEAGH, LORD. Dragged down towards dictatorship. Farmer & Stock-Breeder 65(3226):39, 41. Aug. 21, 1951. 10 F228
Land obtained by compulsion by the British Forestry Commission under the Forestry Act of 1945.
- 83445 KOCH, W. Forstrecht und bauernwald. Württemb. Wehnbl. f. Landwirt. 118:668-669. Aug. 18, 1951. 18 W96
- 83446 LITTLEFIELD, E. W. Administration and accomplishments in connection with the New York Forest Practice Act. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(1):2-3. Feb. 1951. 99.9 Sol3N
- 83447 MARQUIS, R. W. Federal income and estate taxes on timber. Washington U. S. Forest Serv., 1950. 9 p. 1.962 F4M34
Paper presented to the Forest Industries Information Committee, Ann Arbor, Nov. 10, 1950.
- 83448 PASSMANN, B. Aktuelle steuerfragen: die berechnung der roh- und reinerlöse aus kalamitäts- und ausserordentlichen waldnutzungen. Allg. Forstz. 6:293-295. July 11, 1951. 99.8 AL52
Germany.
- 83449 PASSMANN, B. Die umsatzsteuerpflicht der forstbetriebe; teilweise neuregelung ab 1. July 1951. Allg. Forstz. 6:321-325. Aug. 8, 1951. 99.8 AL52
- 83450 ROUSSIGNOL, C. Le fisc et la forêt. Forêts de France 32:6-7. June/July 1951. 99.9 F315

- 83451 STRUNZ, H. Die beförderungsteuerfreiheit des forstwirtschaftlichen werksverkehrs. *Osterr. Forst- u. Holzwirt.* 5:351-352. Nov.21,1950. 99.81 Os7
- 83452 SWINGLER, W. S. F. P. A. as compared to similar acts in other states. *Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester* 8(1):21-23. Feb.1951. 99.9 Sol3N

Forest Description and Resources

- 83453 BAKER, H. L., and POLI, A. Area and ownership of forest land in Trinity County, California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 9,23 p. Apr.1951. 1.9 F7626F
- 83454 BANG, F. The displacement of hardwoods in south Sweden. (In Swedish.) *Skogen [Stockholm]* 38:85*. Aug.15,1951. 99.8 Sk51
- 83455 BURGER, H. Unser wald als volksgut. *Schweiz. Z. f. Forstw.* 102:408-415. Aug./Sept.1951. 99.8 J82
- 83456 CHASE, C. D., and HORN, A. G. Timber resources southwestern section, Lower Peninsula Michigan, 1950. St. Paul, 1950. 52 p. 99.14 M582
- 83457 CUNNINGHAM, R. N. Changes in forest conditions 1936-1949 north central Minnesota and Upper Peninsula of Michigan (a preliminary analysis). U. S. Forest Serv. Lake States Forest Expt. Sta. Paper 25, 20 p. July 1951. 1.9622 L2St2
- 83458 DALLIMORE, W. The national Pinetum 1925-1949. *Gt. Brit. Forestry Comm. Natl. Forest Park Guides* 7:5-20. 1951. 99.9 G795N
- 83459 DUBOIS, A., and ROUSSIGNOL, C. La forêt au Danemark. *Forêts de France* 32:8,11. June/July 1951. 99.9 F315
- 83460 FRANKISKOVIC, S. The forests of Yugoslavia. (In Dutch.) *Houthandel* 4:150-153. July 26,1951. 99.81 H81
- 83461 GILLMANN, Vom schicksal des Pfälzer waldes. *Unser Wald* 4(5):5-6. May 1951. 99.8 Un7
- 83462 GT. BRIT. FORESTRY COMMISSION. Census of woodlands, 1947-1949; summary report. *Gt. Brit. Forestry Comm. Forest Rec.* 3,15 p. 1951. 99.9 G795Fo
- 83463 GUINIER, P. Physionomie forestière de la France. *Forêts de France* 26:6; 31:4; 32:9. (Concl.) Nov.1950, May-June/July 1951. 99.9 F315
- 83464 HAARER, A. E. A doomed forest. *Wood [London]* 16:302-303. Aug.1951. 99.82 W855
- Africa.
- 83465 HAUSENDORFF, E. Die wildkbppl wird schulwald. *Unser Wald* 4(6):14-15. June 1951. 99.8 Un7
- 83466 HVOSLEF, O. Forest conditions in Troms. (In Norwegian.) *Skogeteren* 38:123. Aug.15,1951. 99.81 Sk5
- 83467 JOHNSON, V. E. Quel est l'état de nos forêts? *Forêt et Conserv.* 3:257-260. (Cont.) May/June 1951. 99.8 F792
- Canada.
- 83468 LAMPRECHT, H. Das waldreservat "Moos" bei Birmensdorf. *Schweiz. Z. f. Forstw.* 102:443-447. Aug./Sept.1951. 99.8 J82
- 83469 LORDAT, J. DE. A propos de forêts cultivées. *Forêts de France* 32:10. June/July 1951. 99.9 F315
- Portugal.
- 83470 LOUVEL, M. Notes sur les forêts malgaches de l'Est. *Rev. Internat. de Bot. Appl. et d'Agr. Trop.* 31:185-196. (Cont.) Mar./Apr.1951. 26 R323
- 83471 MINNESOTA. OFF. OF IRON RANGE RESOURCES AND REHABILITATION. The forest resource of Cass County, by L. Sandberg, A. G. Horn, and P. C. Guilkey. St. Paul, 1950. 59 p. 99.14 M66
- 83472 MOIR, S. Forests seen as major factor in Northwest economy. *Oreg. Business Rev.* 10(7):1,4-6. July 1951. 280.8 Or34
- Resources.
- 83473 NANO, J. F. Notes on the vegetative cover within a portion of the Carrascal iron mine region, Surigao. *Philippine J. Forestry* 6:309-311. Third Q. 1949, pub.1951. 99.8 P53
- Forest trees.
- 83474 NEWLAND, H. B. Forests of the Bluegrass State. *Forest Farmer* 10(1):3,9. Aug.1951. 99.8 F7692
- 83475 PETITMERMET, M. Les forêts du Parc national suisse. *Schweiz. Z. f. Forstw.* 102:401-408. Aug./Sept.1951. 99.8 J82
- 83476 QUINT, P. L. Reconnaissance des forêts tropicales en vue de la production de la cellulose. *Bois et Forêts des Trop.* 18/19:100-106. Second/Third Q. 1951. 99.8 B632
- English summary.

- 83477 SANBORN, W. B. Groves of stone: fossil forests of the Yellowstone region. *Pacific Discovery* 4 (3):18-25. May/June 1951. 500 P112

- 83478 SCHOENICHEN. Ein unbekannter hudewald. *Unser Wald* 4(5):3-4. May 1951. 99.8 Un7
- Germany.

- 83479 U. S. FOREST SERV. CALIFORNIA FOREST AND RANGE EXPERIMENT STATION. List of timber stand maps available for purchase. Berkeley, 1951. 11 p. 1.9622 C2L68

Includes a list of vegetation-soil maps available for purchase.

- 83480 U. S. FOREST SERV. ROCKY MOUNTAIN REGION. Rio Grande National Forest, Colorado. Washington? 1951. map. 1 F769R

Illustrations and text (6 p.) on back of map.

- 83481 WIESER, R. F. Der waldzustand in Tirol und die künftige holzversorgung der bevölkerung. *Osterr. Forst- u. Holzwirt.* 5:297-300. Oct.7,1950. 99.81 Os7

- 83482 WOOD, R. F. The forest plots 1929-1949. *Gt. Brit. Forestry Comm. Natl. Forest Park Guides* 7: 21-65. 1951. 99.9 G795N

Individual Genera and Species

- 83483 ACATAY, A. Über das vorkommen von *Betula medwedewi* RGL. (Det. Reehinger) in der Türkei. (In Turkish.) *Istanbul. U. Orman Fakul. Dergisi* 1:212-214. 1951. 99.9 Is72

German summary.

- 83484 BARTH, J. Les noyers du Maroc. *Bois et Sciéries* 57:463. May 10,1951. 99.81 B632

- 83485 BENA. Les essences forestières de la Guyane Française. *Bois et Forêts des Trop.* 17:55-58. First Q. 1951. 99.8 B632

- 83486 CUSSAC, C. M. *Acacia blanca* [*Robinia pseudo-acacia*]. Uruguay. *Inst. Nac. de Colon. B. Anexo* 2(13):1-3,7. Feb.1951. 282.29 Ur8

- 83487 ELLISON, L. A. Occurrence of Hop hornbeam [*Ostrya virginiana*] on Staten Island. *Staten Isl. Inst. Arts & Sci. Proc.* 13:70-71. Apr.1951. 500 St2

- 83488 ERNST, F. Aus der waldgeschichte der schlechtwüchsigen kieferngebiete der Bayer. Oberpfalz (und Oberfrankens) vom ausgehenden mittelalter bis zum Dreissigjährigen Krieg. *Mitt. aus der Staatsforstverwaltung. Bayerns* 26:11-66. 1951. 99.9 B342

- 83489 FULLING, E. H. White pine, backbone of the early American lumber industry. *Gard. J.* 1:132-134. Sept./Oct.1951. 80 G1635

- 83490 GARDEN, J., and JOHNSON, L. A. S. *Microstobos*, a new name for a Podocarpaceous genus. *N. S. Wales Natl. Herb. Contrib.* 1:315-316. Nov.1950. 451 N47

- 83491 GRAF, J. P. Les beaux arbres du Canton de Vaud. *Forêt* 4:162-168,182-188. (Concl.) June-July 1951. 99.8 F7683

- 83492 HENNIG, R. Fremdländische holzarten im deutschen walde. *Weltholzwirtschaft* 3:84-87. Ref. May 1951. 99.82 W46

- 83493 HUBBARD, M. Flowers and fruits of some homegrown hardwoods. 2. Beech and walnut. *Wood [London]* 16:321. Aug.1951. 99.82 W855

- 83494 HUGUET, L., and MARIE, E. Les plantations d'acajou d'Amérique [*Swietenia macrophylla*] des antilles Françaises. *Bois et Forêts des Trop.* 17:12-25. First Q.1951. 99.8 B632

English summary.

- 83495 JOHNSON, H. Offspring of curly birch [*Betula verrucosa*]. (In Swedish.) *Svenska Skogsvårdsför. Tidskr.* 49:34-45. 1951. 99.8 Sk5

- 83496 JOUSSET, A. La mort due chêne Lorentz. *Forêts de France* 31:10. May 1951. 99.9 F315

- 83497 KIMURA, A. *Symbolae iteologicae*. X. Tōhoku U. Sci. Rpt. Ser. 4 (Biol.) 18:544-553. Dec.1950. 513 T574Ab

Salix.

- 83498 KÖNIG, E. Er pflanzte die ersten lärchenbäume; bei den ältesten lärchen Süddeutschlands. *Norddeut. Holzwirt.* 5(27):6-7. July 5,1951. 99.82 N75

- 83499 LINDBERG, E. The oak grow up to the Umeå River. (In Swedish.) *Västerbotten* 5/6:134-136. Nov. 1950. 11 V442

- 83500 LITTLEFIELD, E. W. Oaks. *N. Y. State Conserv.* 6:6-7. Aug./Sept.1951. 279.8 N48

- 83501 MASHTAKOV, F. Oak in Ural Area. (In Russian.) *Les i Step'* 3(1):84. Jan.1951. 99.8 L565

- 83502 MENSIER, P. H. Le cocotier [Coconut palm]. Rev. Internat. des Prod. Colon. 26:51,53. Mar.1951. 286.8 R326
- 83503 MORELLI, A. The poplar in reclamation. (In Italian.) Agr. delle Venezie 5:406-410. Aug.1951. 16 Ag826
- 83504 OKSBJERG, E. B. Some beech varieties in Switzerland. (In Danish.) Dansk Skovfor. Tidsskr. 36: 314-323. June 1951. 99.8 D23
- 83505 ORPEN, F. L., and EDWARDS, E. J. K. Botanical-vernacular and vernacular-botanical names of some trees and shrubs in Matabeleland. Rhodesia Agr. J. 48: 165-181. Mar./Apr.1951. 24 R34
- 83506 PAVARI, A. Esperienze e indagini su le provenienze e razze dell'abete bianco (*Abies alba* Mill.) [Experiments and investigations on races and origins of silver fir (*Abies alba* Mill.). Sta. Sper. di Selvicolt. P. 8,96 p. Ref. 1951. 99.9 F661
English summary.
From Nuovi Annali della Sperimentazione Agraria, 1951
- 83507 RANGHEL GALINDO, A. Maderas industriales de Colombia. Rev. Cafetera de Colombia 10:3577-3598. Mar.1951. 68.28 R32
- 83508 ROTTIER, J. M. The walking tree farm. Conserv. Volunteer 14(80,i.e.81):38-40. Mar./Apr.1951. 279.8 C765
Basswood production in Minnesota.
- 83509 SALAS CALAZA, J. M. Algunas consideraciones sobre la acacia blanca. Pampa Argentina 24(281): 13. May 1951. 9 P19
- 83510 SCHOENICHEN, W. Von deutschen lindenwäldern. Unser Wald 4(7/8):24-26. July/Aug.1951. 99.8 Un7
- 83511 SEYER, H. *Fagus orientalis* Lipsky, ein neuer brotbaum Deutschlands? Forst u. Holz 6:122-125. May 1,1951. 99.8 F7724
- 83512 STOCK, Warum erzeugt die forstwirtschaft so wenig buchen-wertholz? Holz-Zentbl. 77:693-694. May 8,1951. 99.81 H742
Germany.
- 83513 TILLY, J. H. DU. Le peuplier en Champagne. Forêts de France 32:4. June/July 1951. 99.9 F315
- 83514 TILLY, J. H. DU. Le pin laricio [*Pinus nigra* *poiretiana*] de Corse et de Calabre. Forêts de France 26:2. Nov.1950. 99.9 F315
- 83515 WETTSTEIN, W. Die für den anbau in Österreich wichtigsten papeln. Österr. Vierteljahresschr. f. Forstw. 92:28-35. 1951. 99.8 Oe8
- 83516 WETTSTEIN, W. Pappelanbau in Europa. Allg. Forstztg. 62:129-130. Aug.1951. 99.8 AL53
- 83517 WEZEL, R. Die roteiche [*Quercus borealis*] und ihr anbau in Württemberg. Kosmos 47:277-282. June 1951. 474 K842
- 83518 WIESER, R. F. Die aussterbenden wertholzrassen in der natur. Internat. Holzmarkt 42(10):13-15. May 19,1951. 99.81 In82
- 83519 ZHEMCHUZHNIKOV, E. A. Salt resistant tree and shrub species for shelterbelt silviculture. (In Russian.) Les i Step' 3(1):42-47. Jan.1951. 99.8 L565

FOREST MANAGEMENT AND FINANCE

- 83520 AHMED, K. J. Forestry in Sylhet. Pakistan J. Forestry 1:128-135. Apr.1951. 99.8 P17
- 83521 AHONEN, L. On the conception of sustained yield in forestry. (In Finnish.) Metsätaloudellinen Aikakauslehti 6:165-166. 1951. 99.9 F49
English summary.
- 83522 BARRETT, L. I. Relations of forest management and economics. J. Forestry 49:563-565. Aug.1951. 99.8 F768
- 83523 BARRON, N. T. Converting unmanaged Loblolly pine stands to sustained-yield in the Tidewater section of Virginia and North Carolina. (Abs.) Assoc. South. Agr. Workers. Proc. 48:168-169. 1951. 4 C82
- 83524 BARRON, N. T. A method in converting an unmanaged loblolly pine stand to sustained yield. Forest Farmer 10(11):7,14-15. Aug.1951. 99.8 F7692
- 83525 BOURNE, R. A fallacy in the theory of growing stock. Forestry 24:6-18. Ref. 1951. 99.8 F767
- 83526 BRISTULF, P. O. Development of the communications in the forests of the Province. (In Swedish.) Tidskr. f. Hushållsk. och Skogsvårdsstyr. i Gävleborgs Län 26:21-24. 1950. 11 T434
- 83527 BUNDY, O. Mixed coniferous forest in Sörmland. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:14-33. 1951. 99.8 Sk5
- 83528 BUSSE, VON. Wie steht es mit der neuesten stellung der einheitswerte? Forst u. Holz 6:205-206. July 15,1951. 99.8 F7724
Germany.
- 83529 CAMPBELL, R. A. Tree grades, yields and values for some Appalachian hardwoods. U. S. Forest Serv. Southeast Forest Expt. Sta. Paper 9,25 p. July 1951. 1.9622 S4St2
- 83530 CONNAUGHTON, C. A. Fortify your forestry with facts; technical information available on forest management at U. S. Forest Service Station [Southern Forest Experiment Station]. Forests & People 1(2):12-13 34,36. July 1951. 99.8 F7628
Louisiana.
- 83531 COWAN, F. Hardwood management in Tennessee. (Abs.) Assoc. South. Agr. Workers. Proc. 48:98-99. 1951. 4 C82
- 83532 DIETERICH, V. Ertragskundliche richtlinien der holzproduktion; eine besprechung der lebensarbeit Professor Dr. Wiedemanns. Holz-Zentbl. 77:843-844. June 7,1951. 99.81 H742
- 83533 DUERR, W. A. Guides to profitable forest management. Conserv. News 5(36):1-2. Aug.30,1951. 279.8 C768
Also in Forest Farmer 10(11):8,15. Aug.1951. 99.8 F7692
- 83534 EBERTS, H. Die forstverwaltung im umbruch der zeit. Deut. Forstmann, p.47-50. In Forst u. Holz 6. June 15,1951. 99.8 F7724
- 83535 EBERTS, H. Waldbauliche behandlung und forsteinrichtung bisheriger mittelwaldungen des südhannoverschen berglandes. Allg. Forst- u. Jagdztg. 122: 129-140. (Concl.) May 15,1951. 99.8 AL3
- 83536 ELLENBERG, E. G. Forestry practices in the Mid-South. Conserv. News 5(36):1. Aug.30,1951. 279.8 C768
- 83537 FIEBIG, Aus der praktischen arbeit eines forstverbandes. Hannoversche Land- u. Forstwirt. Ztg. 104:319-320,368-369,392. (Concl.) Apr.7,21-28,1951. 18 H194
- 83538 GUDE, J. Forstbetriebswirtschaft. Österr. Forst- u. Holzwirt. 5:281-283. Sept.21,1950. 99.81 Os7
- 83539 HAWLEY, R. C. Relationship between forest utilization and forest management. J. Forestry 49:580-581. Aug.1951. 99.8 F768
- 83540 KARIGL, H. Der forstwirtschaftsführer im schnittpunkte betriebswirtschaftlicher einflüsse. Österr. Forst- u. Holzwirt. 5:361-363,361-363. (Concl.) Dec. 7-21,1950. 99.81 Os7
- 83541 KOTSCHY, F. Umstellung auf naturnahe waldbehandlung im Forstwirtschaftsbezirk Mondsee der Österr. Staatsforste. Österr. Vrtljahresschr. f. Forstw. 92:65-95. 1951. 99.8 Oe8
- 83542 LEHMANN, C. A. Die hundertrechnung im und am holz. Schatzkammer des Wissens 8:1-4. Mar.8,1951. 99.8 Schl
- 83543 LEMMEL, H. Grundsätzliches zur ertragswert-diskussion. Forst u. Holz 6:202-204. July 15,1951. 99.8 F7724
Forest appraisal in Germany.
- 83544 LINDBERG, K. Modern ditch digging. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:67-80. 1951. 99.8 Sk5
- 83545 LORENZ-LIBURNAU, H. Ursachen, folgen und ausmass der überschlägerungen-folgerungen für den künftigen einschlag. Allg. Forstztg. 62:121-129. Aug.1951. 99.8 AL53
- 83546 MARQUIS, R. W. Economic objectives of forest management and utilization. (Abs.) Assoc. South. Agr. Workers. Proc. 48:167-168. 1951. 4 C82
- 83547 METTERNICH, H. Die finanzplan- oder budgetrechnung als selbständige art des betrieblichen rechnungswesens. Holz 5:107-109. May 1951. 99.82 H743
- 83548 NEUBER, B. Erhaltung und pflege von forstaufschliessungswegen. Österr. Forst- u. Holzwirt. 5:318-319. Oct.21,1950. 99.81 Os7
- 83549 NIEMETZ, F. Österreichischer wald in gefahr. Allg. Bauern-Ztg. 6(12):5. Mar.24,1951. 19 K142
- 83550 NORDQUIST, M. Contribution to the knowledge of cost development in middle Swedish forestry. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:191-203. 1951. 99.8 Sk5
- 83551 PERSON, H. L., and KRAMMER, P. R. The classification of low-grade logs and trees in upland hardwood management. (Abs.) Assoc. South. Agr. Workers. Proc. 48:99-100. 1951. 4 C82
- 83552 PETERSON, H. The economy of silviculture. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:109-148. 1951. 99.8 Sk5
Includes discussion.
- 83553 QUILLFELDT, VON. Die frage der Mitbestimmung in der forstverwaltung. Forstl. Mitt. 4:81-82. May 5,1951. 99.8 F7725
Germany.

- 83554 RANDET, P. L'aménagement des forêts. Forêts de France 26:7-8;31:5. (Concl.) Nov.1950, May 1951. 99.9 F315
- 83555 REYNOLDS, R. R. Timberland management about 73 cents per acre per year. Nav. Stores Rev. 61 (21):19. Aug.25,1951. 99.81 N22
- 83556 ROSSMÄSSLER. Der privatwald im einheitsforstamt. Forstl. Mitt. 4:111-113. June 20,1951. 99.8 F7725
- Management in Germany.
- 83557 SALWEN, N. Modern forest ditches. (In Swedish.) Skogen [Stockholm] 38:83*-84*. Aug.15,1951. 99.8 Sk51
- 83558 SCHLATZER, G. New signals in North Swedish forestry. (In Danish.) Dansk Skovfor. Tidsskr. 36:324-335. June 1951. 99.8 D23
- Forest management.
- 83559 SIMON Y DE SIMON, E. DE. Vias de saca en la sierra de Cazorla. Montes 7:172-178. May/June 1951. 99.8 M763
- 83560 SJOQUIST, C. A. Experiments in analysis of time series based on sale and cost values in Lower Norbotten District during the years 1935-1946. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:81-99. 1951. 99.8 Sk5
- 83561 STREYFFERT, T. Fundamental ideas on the distribution of forestry costs. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:173-190. 1951. 99.8 Sk5
- 83562 VOIGT, H. Diskussionsbeitrag zur einheitlichen buchführung in der forstwirtschaft. Forstwirt., Holzwirt. 5:91-93. Mar.15,1951. 99.8 F7793
- 83563 WACHTEL, H. Die bestandeschronik. Allg. Forstztg. 62:105-107. July 1951. 99.8 AL53
- 83564 WECK, J. Hochleistungsgefüge im wirtschaftswald-trotz vorratsabbau. Umschau 51:462-464. Aug.1, 1951. 474 Um7
- Germany.
- 83565 WOYKE. Kritische betrachtungen zur beförsterungsfrage im kleinwald. Deut. Forstmann, p.28-29. In Forst u. Holz 6(7). Apr.1,1951. 99.8 F7724
- 83566 ZIERAU, E. Urwalderschliessung im gebirge der gemäßigten zone, ihre begleit- und folgeerscheinungen. Z. f. Weltforstwirtschaft. 14:81-86. Aug.1951. 99.8 Z35
- English summary.
- 83567 ZIERAU, E. Urwaldnutzung und holzverwertung in Anatolien. Weltholzwirtschaft 3:12-18. Jan.1951. 99.82 W46

Farm Woodlands

- 83568 BOND, W. E. Cutting for profit in southern pine woodlands. U. S. D. A. Farmers' B. 2027, 24 p. July 1951. 1 Ag84F
- Supersedes Leaflet 153.
- 83569 CHANDLER, N. A windbreak is worth money. Org. Farmer 3(2):30-31. Sept.1951. 57.8 Or3
- 83570 CLARK, W. H. Ailing woodlots? [New England Forestry] Foundation cures 'em. Amer. Forests 57(9): 10-12,40-41. Sept.1951. 99.8 F762
- 83571 DOUGLAS, J. S. Creating a windbreak. Org. Farmer 3(2):31,42. Sept.1951. 57.8 Or3
- 83572 FERLITSCH, H. Unser bauernwald-unser retter. Allg. Bauern-Ztg. 6(12):1-2. Mar.24,1951. 19 K142
- Austria.
- 83573 HALLANDER, A. Farm forestry in Jämtland Province. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:243-264. 1951. 99.8 Sk5
- 83574 HIRST, E. C. Good woodland management pays dividends. Fed. Reserve Bank Boston. New Eng. Farm Finance News 6(4):3-4. Apr.1951. 284.28 N44
- 83575 HITCHCOCK, R. Make your wooded land pay. Calif. Farmer, North. Ed. 195:108. Aug.11,1951. 6 C126
- 83576 KERNAN, H. S. Limitations of the farm woodlot. Rur. New-Yorker 101:463-464. Aug.4,1951. 6 R88
- Management.
- 83577 KOCH, W. Der schweizer bauer und sein wald. Württemb. Wehnl. f. Landwirt. 118:648-649. Aug.11, 1951. 18 W96
- 83578 MUELLO, A. C. Reparos, abrigos o rompevientos. Pampa Argentina 24(282):6. June 1951. 9 P19
- 83579 PARKER, J. R. Problems in the collection of research data pertaining to the disposal of farm woodland products. (Abs.) Assoc. South. Agr. Workers. Proc. 48: 168. 1951. 4 C82
- 83580 RAUNECKER, H. Die betreuung des bauernwaldes als lehrfach. Forst u. Holz 6:175-176. June 15, 1951. 99.8 F7724
- Germany.
- 83581 SCHOLZ, H. F., and DEVRIEND, A. J. Improvement cuttings pay dividends in Wisconsin farm wood lots. Lake States Timber Digest 5(10):1. Aug.1951. 99.81 L14
- 83582 U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. Annual income possibilities from Southern Piedmont farm woodlands, by T. A. McClay. Asheville, 1951. 4 p. 1.9622 S4An73

Mensuration

- 83583 BECKING, J. H. Volume tables for the Douglas fir in the Netherlands. (In Dutch.) Landbhogesch. Meded. 50:1-16. 1950. 105.2 W122
- 83584 ERIKSSON, R. A calculation of volume to be cut from the year 1806. (In Swedish.) Skogen [Stockholm] 38:199. Sept.1,1951. 99.8 Sk51
- 83585 GAISER, R. N., and MERZ, R. W. Stand density as a factor in estimating white oak [Quercus alba] site index. J. Forestry 49:572-574. Aug.1951. 99.8 F768
- 83586 GIRAUD, A. Rendement comparé de trois peuplements résineux: sapin, Douglas, épicéa. Forêts de France 32:12. June/July 1951. 99.9 F315
- 83587 HEMPEL, F. Zum ausbau der schaffformforschung. II. Allg. Forstztg. 62:110-113. (Cont.) July 1951. 99.8 AL53
- 83588 HUMMEL, F. C., IRVINE, T. W., and JEFFERS, J. General volume tables for Norway spruce [Picea excelsa] in Great Britain. Gt. Brit. Forestry Comm. Forest Rec. 10,23 p. 1950. 99.9 G795Fo
- 83589 KENNEL. Noch einmal: der Ster. Allg. Forst.-u. Jagdztg. 122:155-156. May 15,1951. 99.8 AL3
- Mensuration.
- 83590 LALOG, N. P. Suggested changes in determining the allowable cut applicable to Philippine dipterocarp forest. Philippine J. Forestry 6:285-307. Third Q.1949, pub.1951. 99.8 P53
- 83591 LESCAFFETTE, J. Une propriété des arbres et des peuplements; la surface génératrice. Soc. Forest. de Franche-Comté et des Prov. de l'Est. B. Trimes. 25: 711-725. Mar.1951. 99.9 Sol4
- 83592 LIU, S. H., and YANG, P. L. Studies on the increment of three species of beef-wood (Casuarina spp.). (In Chinese.) Taiwan. Forest Res. Inst. B. 26,32 p. Ref. Dec.1950. 99.9 F7652
- English summary.
- 83593 LIU, S. H. Studies on the increments of China-fir [Cunninghamia] and Japanese Cryptomeria [Cryptomeria japonica] in the different localities. (In Chinese.) Taiwan. Forest Res. Inst. B. 24,40 p. Ref. Dec.1950. 99.9 F7652
- 83594 LIU, S. H., and HUNG, L. P. Studies on the increments of Teak of sprouted forest and planted trees. (In Chinese.) Taiwan. Forest Res. Inst. B. 22,24 p. Ref. Dec.1950. 99.9 F7652
- English summary.
- 83595 MONZON Y MOSSO, C. Monte bajo. Montes 7:157-163. May/June 1951. 99.8 M763
- Mensuration.
- 83596 NYYSSONEN, A. Observations on the methods of estimating the growth of a stand. (In Finnish.) Metsä-taloudellinen Aikakauslehti 6:167-168,171. 1951. 99.9 F49
- English summary.
- 83597 ROE, A. L. Growth tables for cut-over larch-Douglas-fir stands in the Upper Columbia Basin. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Paper 30,24 p. June 1951. 1.9622 N3St1
- 83598 TANIGUCHI, S. On a simple method of determining volume increment for standing trees. (In Japanese.) Sapporo Soc. Agr. & Forestry. J. 39:39-42. Ref. Mar.1951. 22.5 Sol
- English summary.
- 83599 TAYLOR, R. F. Cubic form class volume tables for southeast Alaska. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 6,12 p. May 1950. 1.962 A3T22
- 83600 TREBING, R. Ertragstafeln in der bewährungsprobe. Forstwirt., Holzwirt. 5:80-83. Mar.15,1951. 99.8 F7793
- 83601 ULLEN, G. Strip estimate of forests. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:100-106. 1951. 99.8 Sk5
- 83602 VANSELOW, K. Was leisten die einzelnen baumklassen an massenzuwachs? Allg. Forstz. 6:313-317. Aug.8,1951. 99.8 AL52

Aerial Surveying and Photography

- 83603 SPEAR, G. A. Photo-lithographed forest maps. Canada. Forest Res. Div. Forest Air Survey P. 7, 14 p. 1951. 99.9 C16Fa
- 83604 TOMAŠEKOVIĆ, Z. Some contemporary results of use of aerial photographs in forestry. (In Croatian.) Sumarski List 75:193-201. May 1951. 99.8 Su6
English summary.

Silviculture

- 83605 ARNBORG, T. On seed trees and forest tree breeding. (In Swedish.) Skogen [Stockholm] 38:197-198. Sept. 1, 1951. 99.8 Sk51
- 83606 BEER, Naturgemässer Wirtschaftswald. Forstwirt., Holzwirt. 5:65. Mar. 15, 1951. 99.8 F7793
- 83607 CHANG, C. C. A preliminary report on the relation between the quantity of leaves and growth of trees. (In Chinese.) Taiwan. Forest Res. Inst. B. 23, 17 p. Dec. 1950. 99.9 F7652
- 83608 CHINTE, F. O. Growth and development of young stands of gubas (*Endospermum peltatum* Merr.). Philippine J. Forestry 6:245-263. Ref. Third Q. 1949, pub. 1951. 99.8 P53
- 83609 EIDMANN, Neue Wege des Waldbaues auf Grund weltforstwirtschaftlicher Erfahrungen. Norddeut. Holzwirt. 5(27):13. July 5, 1951. 99.82 N75
- 83610 FOURY, P. Programme d'action forestière en A. O. F. (Principes de sylviculture tropicale). Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(2):3-10. 1951. 515 C762C
- 83611 GOOR, C. P. VAN. De productie-capaciteit van de zandige bruine bosgronden. The production-capacity of sandy brown forests-soils. Bosbouwproefsta. T. N. O. Korte Meded. 9, 31 p. 1951. 99.9 W122
English summary.
- 83612 GUENTHER, K. W. An investigation of the tolerance of white ash [*Fraxinus americana*] reproduction. J. Forestry 49:576-577. Aug. 1951. 99.8 F768
- 83613 HEILMANN, A. Provenance—seed supplies—tree breeding with special attention to Douglas. (In Danish.) Dansk Skovfor. Tidsskr. 36:336-347. Ref. June 1951. 99.8 D23
- 83614 HOUTZAGERS, G. Quelques conceptions nouvelles sur la sylviculture aux Pays-Bas. Soc. Roy. Forest. de Belg. B. 58:185-201. May 1951. 99.9 B83
- 83615 KIELLANDER, C. L. Variety differences in a 10-year field test of Swedish and Middle European spruce. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:282-301. Ref. 1951. 99.8 Sk5
- 83616 KISRIEV, F. G. Silviculture in the mountains of Dagestan. (In Russian.) Les i Step' 3(2):27-33. Feb. 1951. 99.8 L565
- 83617 KRYLOV, G. V. To cultivate oak forests in Siberia. (In Russian.) Les i Step' 3(1):48-51. Jan. 1951. 99.8 L565
- 83618 LAFOND, A. The rate of respiration of jack pine root tips as influenced by extracts from different types of humus. Soil Sci. Soc. Amer. Proc. 15:357-359. 1950, pub. 1951. 56.9 So3
- 83619 LILLIEHOOK, M. Forests and forestry on the American West Coast. Silviculture. (In Swedish.) Skogen [Stockholm] 38:81*-82*. Aug. 15, 1951. 99.8 Sk51
- 83620 MERZ, R. W., and FINN, R. F. Differences in infiltration rates on graded and ungraded strip-mined lands. U. S. Forest Serv. Cent. States Forest Expt. Sta. Note 65, 2 p. Aug. 1951. 1.9 F7625S
Effect of grading on tree survival and growth.
- 83621 MEYER, H. Aufgaben und Wege der Douglasien-züchtung. Allg. Forstz. 6:281-283. July 11, 1951. 99.8 AL52
- 83622 MOREAU, F. Les associations mycorrhiziennes des arbres forestiers. Terre et la Vie 98:93-104. Apr./June 1951. 410.9 P21
- 83623 OBOZOV, N. Cooperation of scientific workers [of Brianskii Lesokhoziaistvennyi Institut] with collective farmers. (In Russian.) Les i Step' 3(2):80. Feb. 1951. 99.8 L565
Shelterbelt silviculture.
- 83624 OSTROM, C. E. Southern pine tree improvement through breeding and tree selection. (Abs.) Assoc. South. Agr. Workers. Proc. 48:98. 1951. 4 C82
- 83625 PASECHNIK, S. T., and DRAZHEVSKII, A. G. Leaders in steppe silviculture [in Kamenets-Podolsk Region]. (In Russian.) Les i Step' 2(12):45-48. Dec. 1950. 99.8 L565

- 83626 PISAREVA, M. P. Contribution of collective farmers of Karaganda Region to the Plan to change nature. (In Russian.) Les i Step' 2(12):49-51. Dec. 1950. 99.8 L565
Shelterbelt silviculture.
- 83627 POPOV, N. First [silvicultural] successes of Borisoglebsk foresters. (In Russian.) Les i Step' 2(12):60. Dec. 1950. 99.8 L565
- 83628 STECKHAN, H. Vom Klima des Waldes. III. Der Wind und der Wald. Unser Wald 4(7/8):20-21. (Cont.) July/Aug. 1951. 99.8 Un7
- 83629 TAMM, C. O. Methods of investigation into the nutrient demand of the forest. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:265-281. Ref. 1951. 99.8 Sk5
English summary.

- 83630 TIREN, O. Some experiences from working in Stensele forestry district. (In Swedish.) Västerbotten 5/6:139-141. Nov. 1950. 11 V442
Silviculture.

- 83631 TKACHENKO, M. E. For Michurinite principles in silviculture. (In Russian.) Les i Step' 3(1):17-26. Jan. 1951. 99.8 L565
- 83632 TSASUK, A. M. Leaders [in silviculture] of Novograd-Volynsk forestry enterprise. (In Russian.) Les i Step' 3(2):61-65. Feb. 1951. 99.8 L565
- 83633 VILLENEUVE, G. O. Météorologie forestière, en guise d'introduction. Forêt et Conserv. 3:361-363. (Cont.) July/Aug. 1951. 99.8 F792
- 83634 WENMARK, G. Local silvicultural associations. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49(3):17*-23*. 1951. 99.8 Sk5
- 83635 WRIGHT, J. W. Tree-breeding technique: some effects of continuous bagging. U. S. Forest Serv. Noeast. Forest Expt. Sta. Res. Note 5, 4 p. Aug. 1951. 1.9622 N2N82
- 83636 ZEIDLER, F. Die Auswertung der Ergebnisse der Pappelanzucht 1950 im Pappelgarten Möhlau. Forstwirt., Holzwirt. 5:83-86. Mar. 15, 1951. 99.8 F7793
- 83637 ZHELTIKOVA, T. A. Cultivation of planetree [*Platanus*] in Uzbekistan. (In Russian.) Les i Step' 2(12):51-57. Dec. 1950. 99.8 L565

Silvicultural Practices

- 83638 ANDREAE, E. Ein praktischer Helfer zum Asten von Pappeln. Wald u. Holz 32:179-181. May 1951. 99.9 W14
- 83639 ARNSWALDT, H. J. V. Douglasienanbau in der Praxis. Z. f. Weltforstwirtschaft. 14:98-99. Aug. 1951. 99.8 Z35
English summary.
- 83640 CHAPMAN, H. H. Effect of thinning upon yields of second-growth longleaf pine [*Pinus palustris*] on Site 80 in La Salle Parish, La. J. Forestry 49:578-579. Aug. 1951. 99.8 F768
- 83641 DINEUR, P. Quelques données sur l'écologie de la régénération du chêne rouvre [*Quercus robur*]. Soc. Cent. Forest. de Belg. B. 58:38-50. Feb. 1951. 99.9 B83
- 83642 HUNG, L. P. A study on the forest composition during the experiment of thinning of standing crops of *Cinnamomum camphora*. (In Chinese.) Taiwan. Forest Res. Inst. B. 29, 28 p. Ref. Dec. 1950. 99.9 F7652
English summary.
- 83643 JENSEN, V. S., and WILSON, R. W., JR. Mowing of northern hardwood reproduction not profitable. U. S. Forest Serv. Noeast. Forest Expt. Sta. Res. Note 3, 4 p. July 1951. 1.9622 N2N82
- 83644 KACHINSKIĬ, N. A. On particular silvicultural practices in the Chestnut soil area. (In Russian.) Les i Step' 2(12):23-26. Dec. 1950. 99.8 L565
- 83645 KOLCHIN, A. I. Artificial snow thawing and its utilization [in shelterbelt silviculture]. (In Russian.) Les i Step' 3(1):77-79. Jan. 1951. 99.8 L565
- 83646 LORENZEN, P. New signals. (In Danish.) Dansk Skovfor. Tidsskr. 36:373-375. July 1951. 99.8 D23
Selection cutting.
- 83647 LUNT, H. A. Effect of slash mulch and slash burn on pine and spruce plantings. Conn. (State) Agr. Expt. Sta. B. 548, 21 p. Ref. Apr. 1951. 100 C76St
- 83648 LUNT, H. A. Liming and twenty years of litter raking and burning under red (and white) pine. Soil Sci. Soc. Amer. Proc. 15:381-390. Ref. 1950, pub. 1951. 56.9 So3

- 83649 RAVE. Allgemeine grundsätze über die bewirtschaftung von buchenbeständen. Forst u. Holz 6: 93-97. Apr.1,1951. 99.8 F7724
- 83650 SANGAR, O. J. Speedier rehabilitation of English woodlands. Forestry 24:1-5. 1951. 99.8 F767
- 83651 SARGOS, R. Motoculture forestière une révolution dans notre économie agricole et forestière du Sud-Ouest: la houe rotative. Cahiers des Ingén. Agron. 6:27-28. Second Q.1951. 14 C112
- France.
- 83652 TRUBNIKOV, M. M. On norms of production in plowing shelterbelts. (In Russian.) Les i Step' 3(2):45-47. Feb.1951. 99.8 L565
- 83653 WILSON, G. M. Thinning 30-year-old jack pine [*Pinus banksiana*]. Canad. Forest Res. Div. Silvicult. L. 52:1-3. Apr.1951. 99.9 C168
- Seeding and Planting**
- 83654 ALLEN, G. S. Making the most of the cone crop. Brit. Columbia Lumberman 35(8):71. Aug.1951. 99.81 B77
- 83655 BAKER, F. S. Reproduction of pine on old railroad grades in California. J. Forestry 49:577-578. Aug.1951. 99.8 F768
- 83656 BAYERISCHE MINISTERIALFORSTABTEILUNG. Wiederaufforstung von geringen waldböden. Mitt. aus der Staatsforstverwalt. Bayerns 26:125-178. 1951. 99.9 B342
- 83657 BITTERLICH, W. Zu den versuchen mit "pflocksaat." Allg. Forstztg. 62:191. Aug.1951. 99.8 AL53
- 83658 CARNEVALE, J. A. Las almácigas de forestales. Charla Rur. 150:8-9. (Cont.) Apr.1951. 9 C37
- Argentina.
- 83659 CHASHKIN, M. I. SL-1 single-row forest seed planter. (In Russian.) Les i Step' 3(2):48-53. Feb.1951. 99.8 L565
- 83660 COOPER, R. W. Is death by fire the only way sand pine [*Pinus clausa*] can live again? South. Lumber J. 55(8):56,58,60. Aug.1951. 99.8 So8
- Germination.
- 83661 COPIEN. Die braunkohlenkippen und ihre nutzung. Unser Wald 4(7/8):27-28. July/Aug.1951. 99.8 Un7
- Composition of the soils in Germany and suitable trees for forestry.
- 83662 DERII, I. G. Device for seed collecting from high-trunk trees. (In Russian.) Les i Step' 3(2):54-56. Feb.1951. 99.8 L565
- 83663 DOBROKHALOV, V. P. In the steppes of Northern Crimea. (In Russian.) Les i Step' 3(1):80-83. Jan.1951. 99.8 L565
- Chiefly on planting shelterbelts.
- 83664 EASLEY, L. T., and CHAIKEN, L. E. An expendable seed trap. J. Forestry 49:652-653. Sept.1951. 99.8 J768
- 83665 FANLO, F. J., and NAVARRO, M. Repoblacion de riberas. Montes 7:219-240. May/June 1951. 99.8 M763
- 83666 FRASER, J. W. Seed fall under a red pine [*Pinus resinosa*] stand. Canad. Forest Res. Div. Silvicult. L. 51,2 p. Mar.1951. 99.9 C168
- 83667 FRERICH. Die kreuzstichpflanzung. Forst u. Holz 6:99. Apr.1,1951. 99.8 F7724
- 83668 GALLAIS, R. Le Bois du Roy. Forêts de France 31:11. May 1951. 99.9 F315
- Silviculture.
- 83669 GEETE, E. Iceland and its new forest. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:318-325. 1951. 99.8 Sk5
- 83670 GRANLUND, T. Nurseries in England. (In Swedish.) Skogen [Stockholm] 38:171-172. Aug.1,1951. 99.8 Sk51
- 83671 HERRMANN, S. Im primärstadium blühende kiefer [*Pinus mugo*]. Naturwissenschaften 38:381-382. Aug.15,1951. 474 N213
- 83672 HOHENSEE, R. Buchenverjüngung in Stelhangrevieren des Südwestharzes. Forst u. Holz 6:157-159. June 1,1951. 99.8 F7724
- 83673 JACKSON, L. W. R., and GRANT, B. F. A guide to forest plantings on the Oconee-Denmark and Whitehall forests. Nav. Stores Rev. 61(21):12-13. Aug.25, 1951. 99.81 N22
- 83674 KANTOR, J. The growth of the birch. (In Czech.) Lesn. Práce 29:397-478. Ref. 1950. 99.8 L56
- English summary.
- 83675 KHAILO, A. S. Group planting of oak along the slopes of ravines. (In Russian.) Les i Step' 3(1):71-74. Jan.1951. 99.8 L565
- 83676 KHARIN, V. Growing seedlings of Northern white cedar [*Thuja occidentalis*]. (In Russian.) Les i Step' 2(12):62. Dec.1950. 99.8 L565
- 83677 KLITZING, V. Grossaufforstung von heideböden in Holland. Forst u. Holz 6:160-161. June 1,1951. 99.8 F7724
- 83678 LISENKOV, A. F. Mechanical cleaning of linden seeds and of stone [fruit] species. (In Russian.) Les i Step' 3(1):61-63. Jan.1951. 99.8 L565
- 83679 LOGAN, K. T. Development of one-year-old Norway spruce [*Picea abies*] and white spruce [*Picea glauca*] planted beneath a girdled mixedwood stand. Canada. Forest Res. Div. Silvicult. L. 53:1-2. Apr.1951. 99.9 C168
- 83680 MCDERMOTT, R. E., and BURNS, P. Y. Effect of fertilizer on planted pine. J. Forestry 49:633. Sept. 1951. 99.8 J768
- Pinus banksiana*.
- 83681 NAVARRO GARNICA, M. La Sierra de la Virgen en repoblación forestal. Montes 7:203-211. May/June 1951. 99.8 M763
- 83682 NOVIKOV, A. I. To improve the equipment for sowing acorns by the group method. (In Russian.) Les i Step' 3(1):57-58. Jan.1951. 99.8 L565
- 83683 ORINICH, N. I. A. Autumn planting of acorns. (In Russian.) Les i Step' 2(12):41-44. Dec.1950. 99.8 L565
- 83684 PERPETE, G. Semis par potets en chevilles creuses. Soc. Cent. Forest. de Belg. B. 58:15-20. Jan. 1951. 99.9 B83
- 83685 PETERS, M. A., and HOLCOMBE, E. Bottom-land cypress [*Taxodium distichum*] planting recommended for flooded areas by soil conservationists. Forests & People 1(2):18,32-33. July 1951. 99.8 F7628
- 83686 POTTER, H. S., WEITZMAN, S., and TRIMBLE, G. R., JR. Reforestation of strip-mined lands in West Virginia. U. S. Forest Serv. Northeast. Forest Expt. Sta. Paper 43,28 p. Ref. June 1951. 1.9622 N2St22
- 83687 PROSKURIAKOV, N. I., and SUETINA, M. A. Oxidizing enzymes of acorns [in storage]. (In Russian.) Akad. Nauk SSSR. Dok. 77:443-445. Mar.21,1951. 511 P444A
- 83688 RAKOEN, M. P. Tabeilarisch overzicht van de beste afmetingen van stumps van een aantal houtsoorten en groenbemesters [Tabulated survey of the best size seedlings of a number of wood varieties and green manures]. Indonesia. Bosbouwproefsta. Rap. 47,17 p. Apr.1951. 99.9 Ea72R
- 83689 REHN, S. Experiences from Danish nurseries. (In Swedish.) Skogen [Stockholm] 38:173. Aug.1,1951. 99.8 Sk51
- 83690 ROHMEDER, E. Aufforstungs- und meliorationsprobleme auf armen waldböden. Mitt. aus der Staatsforstverwalt. Bayerns 26:179-194. 1951. 99.9 B342
- 83691 ROZHNOV, S. I. Machine for cleaning forest seeds. (In Russian.) Les i Step' 2(12):34-38. Dec.1950. 99.8 L565
- 83692 RUDOLF, P. O. Scotch pine seed sources for northeastern Minnesota. (Abs.) Minn. Acad. Sci. Proc. 16:18-25-26. 1948-50. 500 M663
- 83693 RUNQUIST, E., and STEFANSSON, E. Vegetative propagation of spruce and pine. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:46-66. Ref. 1951. 99.8 Sk5
- 83694 SHUSTOVA, E. Speeding up the germination of *Fraxinus* seeds. (In Russian.) Les i Step' 3(2):81-82. Feb.1951. 99.8 L565
- 83695 STONE, E. L., MORROW, R. R., and WELCH, D. S. Wet sites and red pine. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 8(2):9-11. May 1951. 99.9 So13N
- 83696 THIELMANN, E. Übergang zu naturgemäßem bestandsaufbau durch langfristige saumfemelartige wirtschaft. Allg. Forstz. 6:320. Aug.8,1951. 99.8 AL52
- 83697 TRAVEN, F. I., and DUBININ, P. S. Proper use of the group method of sowing oak in the State shelterbelts. (In Russian.) Les i Step' 3(1):27-33. Jan.1951. 99.8 L565
- 83698 TUPTII, I. S. Innovations of the Chuguev mechanizers. (In Russian.) Les i Step' 2(12):31-33. Dec.1950. 99.8 L565
- Tree planting by the workers of the Chuguevskaja Forest Conservation Station.

83699 TURČEK, F. J. The continental jay in relation to the oak and its distribution. (In Czech.) Lesn. Prác 29:385-396. Ref. 1950. Ref. 1950. 99.8 L56

English summary.

83700 U. S. FOREST SERV. Commercial sources of forest tree seed and seedlings. Washington, 1951. 4,8 p. 1.962 A2C732

83701 WAHLENBERG, W. G. Planting in the Appalachian spruce-fir type. J. Forestry 49:569-571. Aug. 1951. 99.8 F768

Pinus resinosa and Picea rubens.

83702 WAKELEY, P. C. Planting the southern pines, v. 3. Plantation care. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 122:373-579. Ref., p. 429-497. June 1951. 1.9 F76240

Injuries, replacement planting, pruning, and first thinings.

83703 WIKSTEN, A. Regeneration studies in Switzerland. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:302-317. 1951. 99.8 Sk5

83704 YOUNGBERG, C. T. Effect of origin and growth conditions of Norway spruce (Picea excelsa) on the chemical composition of seed and physiological characteristics of nursery stock. Soil Sci. Soc. Amer. Proc. 15:376-379. Ref. 1950, pub. 1951. 56.9 So3

Forest Protection and Damage

83705 AICHINGER, E. Nehmt uns die heimat nicht! Allg. Bauern-Ztg. 6(12):3-4. Mar. 24, 1951. 19 K142

Forest destruction in Austria.

83706 ARETIN, C. A. FREIHERR VON. Zu: Wann kommt das waldschutzgesetz in Bayern? Allg. Forstz. 6:285-287. July 11, 1951. 99.8 AL52

83707 BASHAM, J. T. The pathological deterioration of balsam fir [Abies balsamea] killed by the spruce budworm [Choristoneura fumiferana]. Pulp & Paper Mag. Canada 52(9):120-122, 125-126, 128, 130, 133-134. Ref. Aug. 1951. 302.8 P96

83708 BIRKENFELD. Flächen- oder einzelschutz? Forstl. Mitt. 4:91-93. May 20, 1951. 99.8 F7725

Forest protection.

83709 FAL'KENSHTEN, B. IU. Protection of shelterbelts from Siberian marmots. (In Russian.) Les i Step' 3(2):83-86. Feb. 1951. 99.8 L565

83710 FRITZ, E. Bear and squirrel damage to young redwood. J. Forestry 49:651-652. Sept. 1951. 99.8 J768

83711 GADENZ, K. Die schnees Schäden des winters 1950/51 in Österreichs forstwirtschaft. Allg. Forstztg. 62:131-132. Aug. 1951. 99.8 AL53

83712 JAEGER, H. Die schnee-, duft- und sturmschäden im wuchsbezirk des mittleren Thüringer waldes. Forstwirtschaft, Holzwirt. 5:66-71. Mar. 15, 1951. 99.8 F7793

83713 JANSEN. Das buchensterben? Der anfang vom ende! Forst u. Holz 6:159-160. June 1, 1951. 99.8 F7724

83714 KRAHL-URBAN. Schutz von eichensaaten gegen eichelhäher. Forst u. Holz 6:121. May 1, 1951. 99.8 F7724

83715 LYKKE, L. What do we know about elk injuries to forests? (In Norwegian.) Skogen [Oslo] 16:45-47. 1951. 99.8 Sk56

83716 PERLMAN, D. Flying forester. Amer. Forests 57(9):22-24, 41-42. Sept. 1951. 99.8 F762

83717 REDDING, H. Ice storms present problem to National Forest plantations in Louisiana. Forests & People 1(2):28. July 1951. 99.8 F7628

83718 SCHAKE. Zu "schutz von eichensaaten gegen eichelhäher." Forst u. Holz 6:188. July 1, 1951. 99.8 F7724

83719 SENFT, F. Vergmännliche kulturarbeit und naturverbundenheit. Unser Wald 4(7/8):28. July/Aug. 1951. 99.8 Un7

Protection and care of German forests

83720 USES of aerial photographs in forest protection. J. Forestry 49:630-633. Sept. 1951. 99.8 J768

Contents: Introductory remarks, R. N. Colwell; Uses of aerial photographs in control of forest diseases, T. H. Harris; Uses of aerial photographs in control of forest fires, K. Arnold; Uses of aerial photographs in control of forest insects, J. F. Wear and J. W. Bongberg.

Fire

83721 BEECH, C. Fire danger in our woods. Co-op. Home Mag. 56(8):15. Aug. 1951. 280.28 W563

England.

83722 BERGIEN, A. Kleine ursachen—grosse wirkungen! Unser Wald 4(7/8):22. July/Aug. 1951. 99.8 Un7

Forest fires.

83723 FAHNESTOCK, G. R. Correction of burning index for the effects of altitude, aspect, and time of day. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 100, 4 p. June 1951. 1.9622 N3R31

83724 FITZGERALD, O. A. Two men and a rock. Amer. Forests 57(9):14-15, 34. Sept. 1951. 99.8 F762

Cooperative forest fire protection.

83725 FRIEDRICH, C. A. Forest fire—thunderstorm, knockout combination for watersheds. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 102, 15 p. July 1951. 1.9622 N3R31

Harmful effects of forest fires and rain upon watersheds.

83726 HARGRAVE, T. C. All fires start small, let's talk of little ones that never got away. Brit. Columbia Lumberman 35(8):83-85, 91. Aug. 1951. 99.81 B77

83727 JANSSON, A. The forest fire defense. (In Swedish.) Västerbotten 3:67-69. May 1950. 11 V442

Legislation.

83728 LINTON, N. L. Volunteer forest guards. Amer. Forests 57(9):18-20, 47. Sept. 1951. 99.8 F762

Fire fighting.

83729 LUTZ, H. J. Forest fires in Alaska damage more than timber. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 5, 1 p. Apr. 1950. 1.962 A3T22

Forest Influences

83730 BEDARÉ, L. Les inondations du St-François et le reboisement. Forêt et Conserv. 3:329-334. July/Aug. 1951. 99.8 F792

83731 CHEBOTAREV, N. P. Determining the most favorable distance between shelterbelts. (In Russian.) Akad. Nauk SSSR. Dok. 77:257-260. Mar. 11, 1951. 511 P444A

83732 GORSHENIN, N. M. Effect of shelterbelts on the balance of spring waters. (In Russian.) Les i Step' 2(12):14-22. Dec. 1950. 99.8 L565

83733 IIZUKA, H., and others. Experiment on model windbreak. I-II. (In Japanese.) Japan. Govt. Forest Expt. Sta. B. 45:1-26. Sept. 1950. 99.8 R47

S. Tamate, T. Takakuwa, and T. Sato, joint authors.

English summary.

I, Effect on salty wind; II, Effect on evaporation.

83734 IIZUKA, H. Wind erosion prevention by windbreak. (In Japanese.) Japan. Forest Expt. Sta. B. 45:95-134. Sept. 1950. 99.9 J276

English summary.

83735 STEBBING, E. P. Forests, catchment areas and water supplies. Indian Forester 77:427-449. (Cont.) July 1951. 99.8 In2

Africa.

Miscellaneous Forest Uses

83736 BARICK, F. B. The edge effect of the lesser vegetation of certain Adirondack Forest types with particular reference to deer and grouse. N. Y. State Col. Forestry, Syracuse U. B. 9, 146 p. Aug. 1950. 99.9 N486B

83737 CHAPLINE, W. R. Range management history and philosophy. J. Forestry 49:634-638. Sept. 1951. 99.8 J768

83738 CHAUDHURY, S. Game sanctuaries and national parks in West Bengal. Indian Forester 77:464-471. July 1951. 99.8 In2

83739 NADLER, H. Forestry and wildlife. Ky. Happy Hunting Ground 7(4):16-17. July 1951. 409.78 K41

83740 RICHARDSON, R. Camping for fun and forestry. Amer. Assoc. Health, Phys. Educ. & Recreation J. 22(6):32-33. June 1951. 449.8 J822

83741 SCHMID, F. Forstwirtschaft und jagd. Allg. Forstztg. 62:109-110. July 1951. 99.8 AL53

83742 SINGH, D. P. Forestry and bee-keeping in Kulu. Indian Forester 77:474-475. July 1951. 99.8 In2

83743 SIPE, F. New wild areas planned. West. Outdoor Q. 18(3):6. Aug. 1951. 500 F31

In Oregon.

83744 STASSEN. Wald über jagd. Forstl. Mitt. 4:113-114. June 20, 1951. 99.8 F7725

Germany.

83745 STROKOV, V. V. Attraction of birds into shelterbelts. (In Russian.) Les i Step' 3(2):37-41. Feb. 1951. 99.8 L565

83746 U. S. FOREST SERV. Publications, articles, mimeographed and other releases by Range Research personnel issued in 1950. Washington, 1951. 6 p. 1.962 A2P962

FOREST INDUSTRIES

83747 ALLOUARD, P. Les conditions générales de la productivité dans les exploitations forestières et les industries du bois aux Etats-Unis. Bois et Forêts des Trop. 18/19:110-125. Second/Third Q.1951. 99.8 B632 English summary.

83748 ALLOUARD, P., and RIEUF, H. Le problème de la productivité dans les industries du bois. Bois et Forêts des Trop. 17:3-11. First Q.1951. 99.8 B632 English summary.

83749 ARSENIC, J. Wood export from Yugoslavia. (In Dutch.) Houthandel 4:163-164. July 26, 1951. 99.81 H81

83750 DIETERICH, H. Neue Wege der Rohholzbewirtschaftung? Norddeut. Holzwirt. 5(21):1-2. May 24, 1951. 99.82 N75

83751 DOLINAR, F. Export of hardwood lumber from the People's Republic of Croatia to the Netherlands. (In Dutch.) Houthandel 4:186-187. Aug. 9, 1951. 99.81 H81

83752 FRIEDRICH, R. Zwischen Optimismus und Selbstbetrug. Holz-Zentbl. 77:600-601. Apr. 28, 1951. 99.81 H742

83753 GRÄBNER, G. Neuerrichtung des Schiedsgerichts für Holz in Deutschland. Holz-Zentbl. 77:1048. July 12, 1951. 99.81 H742

83754 GRATZL, A. Das Vordringen der tropischen Hölzer auf dem europäischen Markt. Internat. Holzmarkt 42(12):13-19. June 16, 1951. 99.81 In82 Also in Osterr. Gesell. f. Holzforsch. Mitt. 3:61-67. June 1951. 99.9 Os72

83755 HANDEL-MAZZETTI, P. Der derzeitige Stand der Forst- und Holzwirtschaft in Österreich. Weltholzwirtschaft 3:33-34. Feb. 1951. 99.82 W46

83756 HEINRICHS, W. Endlich Devisen für Schnittholzimport. Holz-Zentbl. 77:915-916. June 21, 1951. 99.81 H742

Germany. 83757 HEINRICHS, W. Nicht nur Holzpreise, auch Frachtraten steigen. Holz-Zentbl. 77:924. June 23, 1951. 99.81 H742

83758 HEINRICHS, W. Rückschau auf halbem Weg. Holz-Zentbl. 77:1044-1045. July 12, 1951. 99.81 H742 Situation in the German lumber industry.

83759 HEINRICHS, W. Der Schnittholzmarkt - weltwirtschaftliche Entwicklungen. Norddeut. Holzwirt. 5(27):1-2. July 5, 1951. 99.82 N75

83760 HEINRICHS, W. Sorgenkind Schnittholzimport. Holz-Zentbl. 77:663-664. May 1, 1951. 99.81 H742

83761 HEINRICHS, W. Stockholm: Beruhigung des nordischen Marktes? Holz-Zentbl. 77:756. May 22, 1951. 99.81 H742

Wood markets and prices. 83762 HEINRICHS, W. Was war und was wird werden? Ein holzwirtschaftliche Zeitstudie. Holz-Zentbl. 77:594-595. Apr. 28, 1951. 99.81 H742

83763 HEINRICHS, W. Weltholzmarkt nach zwei Kriegen. Internat. Holzmarkt 42(8):23-25. Apr. 21, 1951. 99.81 In82

83764 HEINRICHS, W. Woher nimmt Europa das fehlende Schnittholz? Internat. Holzmarkt 42(11):5-8. June 2, 1951. 99.81 In82

83765 HEINRICHS, W. Zur Lage am internationalen Schnittholzmarkt. Holz-Zentbl. 77:765-766. May 24, 1951. 99.81 H742

83766 IMPORT-HOLZKUNDE: Drei kolumbianische Hölzer. Holz-Zentbl. 77:559-560. Apr. 19, 1951. 99.81 H742

Anacardium rhinocarpus, Dialyanthera otoba, and Celba.

83767 LANGSAETER, A. Should the present price lists and classification of lumber be revised? (In Norwegian.) Norsk Skogindustri. 5:206-212. Aug. 1951. 99.82 N81

English summary.

Includes discussion.

83768 MALFEYT, M. Evolution de la position du bois en Belgique. Soc. Roy. Forest. de Belg. B. 58:233-250. June 1951. 99.9 B83

83769 MONCEY, A. Le marché du bois en Suisse. Bois et Scieries 57:634-635. June 28, 1951. 99.81 B632

83770 OBERMÜLLER, W. Nochmals: das Kostengefüge des Betriebs. Holz-Zentbl. 77:766. May 24, 1951. 99.81 H742

Lumber industry.

83771 RAZOUS, P. Les débouchés des exploitations forestières françaises. Bois et Scieries 57:459,461,463,535-536,609-610,627-628,653,655,701,703-704,728-729. (Cont.) May 10, 31, June 21-July 5, 19-26, 1951. 99.81 B632

83772 ROTHE, P. L. Influence de l'ouverture du Port d'Abidjan sur le commerce extérieur des bois de la Côte d'Ivoire. Bois et Forêts des Trop. 18/19:151-156. Second/Third Q.1951. 99.8 B632

English summary.

83773 SPRANGERS, A. A. C. Statistics on Dutch wood import in 1950. I-II. (In Dutch.) Houthandel 4:108-109,114-115. June 21-28, 1951. 99.81 H81

83774 WOLFF, G. Die bedeutendste Messe Europas. Holz-Zentbl. 77:593. Apr. 28, 1951. 99.81 H742 Deutsche Industrie-Messe.

83775 WORDEN, W. L. Everybody's gonna get rich! Sat. Evening Post 224(9):34-35,42-43,45,47. Sept. 1, 1951. 110 Sa8

Lumber industry in Prince Rupert, British Columbia.

Lumbering

83776 BELLOUARD, P. L'évolution de la production forestière en Afrique Occidentale Française. Bois et Forêts des Trop. 17:49-53. First Q.1951. 99.8 B632 English summary.

83777 CHUMAKOV, S. P. Daily concern about living conditions of workers at the logging enterprises. (In Russian.) Lesn. Promysh. 11:4-6. Jan. 1951. 99.82 L56 Policy.

83778 GIMON, P. Une expérience d'exploitation forestière en Guyane Française. Bois et Forêts des Trop. 17:26-32. First Q.1951. 99.8 B632 English summary.

83779 LAUBNER, H. Kann der Walдарbeiter im schwachen Fichtenholz etwas verdienen? Forst u. Holz 6:161-162. June 1, 1951. 99.8 F7724

83780 MCCONNELL, M. Government in lumber business. Canada Lumberman 71(9):74-75,188. Sept. 1951. 99.81 C16

83781 MEYER, O. Die Weiterentwicklung der Normen im Holzeinschlag zu technisch begründeten Normen (TAN). Forstwirtschaft, Holzwirt. 5:76-78. Mar. 15, 1951. 99.8 F7793

83782 MÜLLER, J. Das Kostengefüge des Betriebs. Holz-Zentbl. 77:534. Apr. 14, 1951. 99.81 H742

83783 ZENCHENKO, D. K. Work method of Stakhanovite electro-sawyer, I. A. Gudilin. (In Russian.) Lesn. Promysh. 11:15-17. Jan. 1951. 99.82 L56

Lumbering Equipment

83784 ABOL', I. P. Traction properties of KT-12 tractor on snow portages. (In Russian.) Lesn. Promysh. 11:7-8. Jan. 1951. 99.82 L56

83785 ARNST, A. Water 'dozer speeds log pond booming. Wood Combined Wood Prod. 56(8):29,62. Aug. 1951. 99.82 W856

83786 ARNST, A. Water bulldozer for herding logs. Safety Maintenance & Prod. 102(3):32,44-45. Sept. 1951. 449.8 Sa1

83787 AUN, H. Forsteigen. Werkstätten. Forst u. Holz 6:162-163. June 1, 1951. 99.8 F7724

83788 DOLGOPOLOV, N. P., and PETROV, P. E. Innovation in the complex mechanization of logging. (In Russian.) Lesn. Promysh. 11:17-19. Jan. 1951. 99.82 L56

83789 HEYDEN. Neuartige Bindung. Forst u. Holz 6:190-191. July 1, 1951. 99.8 F7724

83790 HOLMAN, H. E. The current situation affecting logging and milling equipment availability. Lake States Timber Digest 5(7):1,3,11. May 1951. 99.81 L14

83791 KILCHENMANN, H. R. Un nouveau cheval d'affûtage. Forêt 4:190-192. July 1951. 99.8 F7683

83792 LAMP, I. Die Hacke für die Waldarbeit. Österr. Landtech. 4:76-78. Mar. 1951. 58.8 L236

83793 MOROZOV, A. V. Servicing the steam-operated movable electric stations at the logging sites. (In Russian.) Lesn. Promysh. 11:20-23. Jan. 1951. 99.82 L56

83794 MOSEVICH, P. I. Mechanization of winter bunching in transportation of tree-length logs. (In Russian.) Lesn. Promysh. 11:23-27. Jan. 1951. 99.82 L56

83795 PLATZER, H. B. Leistungsuntersuchungen mit der Itis-axt. Allg. Forstz. 6:291-293. July 11, 1951. 99.8 AL52

83796 RENNER, E. Ein automatisch arbeitender rückewagen. Holz-Zentbl. 77:547. Apr. 17, 1951. 99.81 H742

83797 SAXHAUG, J. Forest worker's manual equipment and their care. (In Norwegian.) Landbrukstidende 56:1031-1033. (Cont.) Dec. 27, 1950. 11 L236 Saws.

83798 SHISHNIASHVILI, E. E. Complex utilization of electric power at the logging sites. (In Russian.) Lesn. Promysh. 11:9-10. Jan. 1951. 99.82 L56

83799 SINGALEVICH, M. S. Narrow gage winch equipment in winter bunching [of logs]. (In Russian.) Lesn. Promysh. 11:28-29. Jan. 1951. 99.82 L56

Logging

83800 ANIANSSON, G., and NOREN, O. Forest transportation with direct drive wagons in the winter. (In Swedish.) Lantmannen 35:315-317. Apr. 21, 1951. 11 L234

83801 CHUGUNOV, I. N., and VORONTSOV, P. S. Truck transportation of tree lengths at Kil'zemski logging enterprise. (In Russian.) Lesn. Promysh. 11:13-14. Jan. 1951. 99.82 L56

83802 DARAGAN, L. D. New technology [in logging] on Volosatovsk automobile road. (In Russian.) Lesn. Promysh. 11:10-13. Jan. 1951. 99.82 L56

83803 EID, H. A. Transportation problems and small dimensioned wood. (In Norwegian.) Norsk Skogindus. 5:212. Aug. 1951. 99.82 N81

83804 ELMLUND, A. The road work of the Forestry Board of Jämtland Province. (In Swedish.) Svensak Skogsvårdsfö. Tidskr. 49(2):5*-15*. 1951. 99.8 Sk5

83805 EVERS, D. Das stücklohnproblem in der holzhauerei. Allg. Forst- u. Jagdztg. 122:140-155. (Concl.) May 15, 1951. 99.8 AL3

83806 GEETE, E. Sinkers. (In Swedish.) Skogen [Stockholm] 38:169. Aug. 1, 1951. 99.8 Sk51

83807 GOSCH, D. Die waldaufschliessungsarbeit in Kärnten. Allg. Bauern-Ztg. 6(12):8. Mar. 24, 1951. 19 K142

83808 HILF, H. Moderne holzernte. Holz-Zentbl. 77:601-602. Apr. 28, 1951. 99.81 H742

83809 HUSTY, Z. On exact and quick calculating the profile of floating channel by graphical method. (In Croatian.) Lesn. Práce 30:27-35. Mar. 1951. 99.8 L56 English summary.

83810 JUNG, G. Die berufseignung und erziehung zum sägearbeiter. Landarb.-Arch. 6:177-180. May 1951. 283.8 L23

83811 KAMEKE, C. VON. Grundlagen und verfahren des holztransportes im oberharz. Bundesanst. f. Forst- u. Holzwirt. Mitt. 21,55 p. Ref. Nov. 1950. 99.9 R273

83812 KLEVEN, B. J. Rafting days on the Mississippi. Minn. Acad. Sci. Proc. 16/18:53-56. 1948-50. 500 M663

Log transportation.

83813 LEONARD, R. O. Power revolutionized logging. Miss. Val. Lumberman 82(5):12-13. Aug. 17, 1951. 99.81 M69

83814 ROUGHTON, J. Logging safety. Brit. Columbia Lumberman 35(8):64. Aug. 1951. 99.81 B77

83815 WIBSTAD, K. Problems with regard to transportation of small-dimensioned wood. (In Norwegian.) Norsk Skogindus. 5:217-222. Aug. 1951. 99.82 N81

English summary.

83816 WIBSTAD, K. Woodworking. (In Norwegian.) Skogelæren 38:134-135. Aug. 15, 1951. 99.81 Sk5 Cost of labor and transportation of fuel wood.

Sawmills

83817 BELL, G. E. Gang-saw production higher in small log conversion. Canada Lumberman 71(9):86,188. Sept. 1951. 99.81 C16

83818 CHARDIN, A. Méthodes américaines et sciage des bois tropicaux. Bois et Forêts des Trop. 18/19:126-138. Second/Third Q. 1951. 99.8 B632

English summary.

83819 DARWIN, W. N., and THURMOND, A. K. Buy the right sawlogs. Wood Combined Wood Prod. 56(8):32,56-57. Aug. 1951. 99.82 W856

83820 DARWIN, W. N., and THURMOND, A. K. Good management key to successful sawmilling. 5. The job of sawmill management. Forest Farmer 10(11):6. Aug. 1951. 99.8 F7692

83821 GUYOT, J. Comment fonctionnent les grandes scieries américaines. 2. Bois 68(12):1,3. June 25/30, 1951. 99.82 B632

83822 HEINEN, P. Der staub und dessen niederschlag Norddeut. Holzwirt. 5(21):4. May 24, 1951. 99.82 N75 Chiefly in sawmills.

83823 HEROLD, R. Die Biermannsche gittersäge. Holz-Zentbl. 77:961-962. June 30, 1951. 99.81 H742

83824 HOLLIK, J. Sägeverschnitt-kalkulation. Osterr. Forst- u. Holzwirt. 5:314-318. Oct. 21, 1950. 99.81 Os7

83825 HORDERN, R. H. The reason why. Wood [London] 16:315-317. Aug. 1951. 99.82 W855 Sawmill equipment.

83826 KRAMER-DRAUBERG, O. Der dampfbetrieb im sägewerk. Osterr. Forst- u. Holzwirt. 5:347-350, 384-386. Nov. 21, Dec. 21, 1950. 99.81 Os7

83827 LAPIN, P. I. Rapid sawing [of logs] on circular sawing machines. (In Russian.) Lesn. Promysh. 11:29-32. Jan. 1951. 99.82 L56

83828 PFUNDSTEIN, F. Schwing- oder führungsbahnschliff bei sägenschärfmaschinen? Holz-Zentbl. 77:853-854. June 9, 1951. 99.81 H742

83829 PILLER, J. Kritische betrachtungen über die wirtschaftlichkeit von sägegattern. Holz 5:81-83,103-104. (Concl.) Apr.-May 1951. 99.82 H743

83830 PILLER, K. Gedanken über das schnittfugenproblem. Internatl. Holzmarkt 42(8):19-21. Apr. 21, 1951. 99.81 In82

83831 SHERLOCK, F. E. The circular saw. Wood [London] 16:310-314. Aug. 1951. 99.82 W855

83832 THEMAU, R. Moderne amerikanische blockbandsägewerksanlagen. Internatl. Holzmarkt 42(11):14-18. June 2, 1951. 99.81 In82

83833 TRAMM, and SOMMER. Feuerschutz in sägewerken. Holz-Zentbl. 77:888-889,903-904. June 16, 19, 1951. 99.81 H742

Processing and Woodworking

83834 BOERHAVE-BEKKMAN, W. Three Yugoslavian methods of sawing oak wood. (In Dutch.) Houthandel 4:158-159. July 26, 1951. 99.81 H81

83835 FOSLIE, M. Kick-back safe saw blades. (In Norwegian.) Norsk Skogindus. 5:213-216. Aug. 1951. 99.82 N81

83836 HIRSCH, J. Wichtige neuerungen an holzbearbeitungsmaschinen. Internatl. Holzmarkt 42(13):20. June 20, 1951. 99.81 In82

83837 KRAUS, H. Die grosse inventur; gruppenschau holzbearbeitungsmaschinen auf der Technischen Messe Hannover. Holz-Zentbl. 77:595-596. Apr. 28, 1951. 99.81 H742

83838 KRAUS, H. Rückblick auf die gruppenschau holzbearbeitungsmaschinen. Norddeut. Holzwirt. 5(21):6. May 24, 1951. 99.82 N75

83839 MEISERT, H. Holzbearbeitungsmesser ein hochwertiges österreichisches sondererzeugnis. Internatl. Holzmarkt 42(8):18-19. Apr. 21, 1951. 99.81 In82

83840 RAZOUS, P. Formulaire du bois. Paris, Technique et Vulgarisation, 1950. 211 p. 99.77 R21

83841 VAROSSIEAU, W. W. Mechanical woodworking in relation to its properties. (In Dutch.) Houthandel 4:110-112,116-117. June 21-28, 1951. 99.81 H81

83842 VOELSKOW, P. Dübelverbindungen für holzspanplatten. Holz-Zentbl. 77:865-866. June 12, 1951. 99.81 H742

83843 VOELSKOW, P. Der technische fortschritt und die neuerungen im holzbearbeitungsmaschinenbau. Holz 5:124-130. June 6, 1951. 99.82 H743

83844 VORREITER, L. Tagung des fachausschusses "holzverarbeitung" der Deutschen Gesellschaft für Holzforschung. Osterr. Forst- u. Holzwirt. 5:334-336. Nov. 7, 1950. 99.81 Os7

Seasoning, Conditioning and Finishing

83845 EGNER, K. Aus der forschungsarbeit der DGfH [Deutsche Gesellschaft für Holzforschung]; tagung des fachausschusses holztrocknung und -leimung. Holz-Zentbl. 77:976-978. July 3, 1951. 99.81 H742

83846 EGNER, K. Zur trocknung von hölzern bei temperaturen über 100° C. Holz als Roh- u. Werkst. 9:84-97. Mar. 1951. 99.81 H74

83847 FESSEL, F. Anlagen zur künstlichen holztrocknung. Holz als Roh- u. Werkst. 9:151-158. Ref. Apr. 1951. 99.81 H74

83848 GRIFFAULT, P. Le séchage rapide du peuplier par essorage. Bois et Scieries 57:538,724-725,727. May 31, July 26, 1951. 99.81 B632

83849 HAGER, J. A. Where wood finishing has been improved. *Indus. Finishing* 27(9):58-60,62,66,68-69. July 1951. (Madison Br. Libr.)

83850 KRÖLL, K. Die bewegung der feuchtigkeit in nadelholz während der trocknung bei temperaturen um 100°. I. Holz als Roh- u. Werkst. 9:176-181. May 1951. 99.81 H74

83851 OGURA, T., and ONUMA, K. Studies on the drying equipment for woods. 1-2. (In Japanese.) *Japan. Forest Expt. Sta. B.* 45:71-93;46:1-16. Ref. Sept.-Dec. 1950. 99.9 J276

English summary.

1, On the inlet duct in the natural ventilated kilns; 2, On the ventilating chimney in the natural ventilated kiln.

83852 OGURA, T. Study on the mechanisms of wood drying. 2. (In Japanese.) *Japan. Govt. Forest Expt. Sta. B.* 45:55-69. Sept. 1950. 99.8 R47

English summary.

83853 ROGENMOSER, C. Wood drying. (In Portuguese.) *Selec. Agr.* 6(63):73,76,78,80. July 1951. 9.2 Se4

83854 SCHLENK, R. Kombination von holztrockenanlagen mit gegendruckanlagen in der sägeindustrie. *Internatl. Holzmarkt* 42(11):12-13. June 2, 1951. 99.81 In82

83855 SCHULZ, F. Geräte zur feuchtigkeitsmessung in der holzindustrie. Holz als Roh- u. Werkst. 9:145-151. Ref. Apr. 1951. 99.81 H74

83856 STEIMLE, K. Revolution in der holztrocknung in Norwegen. *Internatl. Holzmarkt* 42(14):11. July 14, 1951. 99.81 In82

83857 STEVENS, W. C. Timber drying. *Engin. & Chem. Digest* 3:169-172. May 1951. 385 En3

Wood Preservation and Damage

83858 ANGELL, H. W. Fire-retardant plywood & lumber. *Wood Working Digest* 53:159-162. Sept. 1951. 99.82 W87

83859 AVENARIUS, R. Über holzschutzwerbung. Holz 5:131. June 6, 1951. 99.82 H743

83860 BAVENDAMM, W. Die beurteilung der toxischen wirkung der holzschutzmittel. Holz als Roh- u. Werkst. 9:101-105. Ref. Mar. 1951. 99.81 H74

83861 BELANI, E. Vom holzschutz tropischer wohnhäuser. *Internatl. Holzmarkt* 42(14):13. July 14, 1951. 99.81 In82

83862 BELL, Die notwendigkeit des holzschutzes. *Weltholzwirtschaft* 3:35-37. Feb. 1951. 99.82 W46

83863 BELL, Wo soll der holzschutz beginnen? *Weltholzwirtschaft* 3:55-57. Mar. 1951. 99.82 W46

83864 CARBAJAL, P. Por qué emplear preservativos para la mader. *Hacienda* 46(9):46-47. Sept. 1951. 6 H11

83865 COX, H. A. The preservation of wood. I. The case for preservative treatment. *Wood* [London] 16:298-300. Aug. 1951. 99.82 W855

83866 GEIGER, F. K. Besondere bedeutung des holzschutzes. *Norddeut. Holzwirt.* 5(14):7-8. Apr. 5, 1951. 99.82 N75

83867 GEIGER, F. K. Die schwammbeurteilung im mauerwerk. Holz 5:132-135. June 6, 1951. 99.82 H743

83868 GRAHAM, R. D. Service life of treated and untreated fence posts; 1950 progress report on the T. J. Starker post farm (Project No. 29). *Oreg. Forest Prod. Lab. Prog. Rpt.* 4,24 p. Oct. 1950. 99.9 Cr3522P

83869 HÄHNLE, O. Probleme des holzschutzes im bauwesen. Holz-Zentbl. 77:994. July 7, 1951. 99.81 H742

83870 HARROW, K. M. Preservative treatment of Rimu and Matai sapwood by pressure impregnation. *New Zeal. J. Sci. & Technol. B, Gen. Res. Sect.* 31(4):15-20. Jan. 1950, pub. Feb. 1951. 514 N48B

83871 HARROW, K. M. Toxicity of water-soluble wood-preservatives to wood-destroying fungi. *New Zeal. J. Sci. & Technol. B, Gen. Res. Sect.* 31(5):14-19. Ref. Mar. 1950, pub. Feb. 1951. 514 N48B

83872 HICOCK, H. W. Long lasting fence posts. *Rur. New-Yorker* 101:486,494. Aug. 18, 1951. 6 R88

Wood preservation.

83873 LINDEN, R. La protection des bois par des produits d'imprégnation. *Fruit Belge* 19:121-126. Aug. 1951. 80 F9493

83874 MAISENHOLDER, L. C., and MCKNIGHT, J. S. Fences for bottomland farms in the Delta. *Forest Farmer* 10(11):5,10-11. Aug. 1951. 99.8 F7692

Includes preservative treatment.

83875 MANN, R. H. Why the Guantanamo Bay piles failed. *Wood Preserv. News* 29:101-106,110. Aug. 1951. 300.8 W853

83876 MITCHELL, N. D. Fire tests of wood-framed walls and partitions with asbestos-cement facings. *U. S. Natl. Bur. Standards. Bldg. Mater. & Structures Rpt.* 123,14 p. May 10, 1951. 157.88 B862

83877 NOWAK, A. Die holzkonservierung der USA in zahlen. *Internatl. Holzmarkt* 42(14):12-13. July 14, 1951. 99.81 In82

83878 NYSTRÖM, B. Destruction of wood by fungi and insects. (In Swedish.) *Våra Pälstdjur* 22:173-179. July 15, 1951. 410 V42

83879 PERKINS, W. C. History of Union Pacific timber treatment. *Wood Preserv. News* 29:97-100,109. Aug. 1951. 300.8 W853

83880 PETERSON, A. Woodpeckers and poles. (In Swedish.) *Skogen* [Stockholm] 38:176. Aug. 1, 1951. 99.8 Sk51

83881 PROKOPP, S. Warum imprägnieren wir die eichenschwelle? *Internatl. Holzmarkt* 42(8):21-22. Apr. 21, 1951. 99.81 In82

83882 SANDERMANN, W., SCHARFE, E., and FROEDE, O. Studien auf dem gebiet der holzschutzchemie. I. Über die eindringtiefe des Sublimats bei einfacher und verbesserter kyanisierung. Holz als Roh- u. Werkst. 9:186-190. Ref. May 1951. 99.81 H74

83883 SHIE, T. C. A preliminary study on the effect of different pressures and pressure-periods on the rate of absorption and penetration of creosote to some Taiwan timbers. (In Chinese.) *Taiwan. Forest Res. Inst. B.* 25, 11 p. Dec. 1950. 99.9 F7652

83884 SILVERBORG, S. B. Wood decay in houses. *N. Y. State Col. Forestry, Syracuse U. B.* 24(1), 19 p. 1951. 99.9 N486B

83885 SMITH, J. H., and CARR, D. R. Principles of wood preservation; their application under New Zealand conditions. *New Zeal. Forest Serv. Inform. Ser.* 10,52 p. 1950. 99.9 N491

83886 STORCH, K. Die holzschutzmittel. Holz als Roh- u. Werkst. 9:168-171. Apr. 1951. 99.81 H74

83887 WANG, S. F. Experiment on the durability of various woods treated by tung-oil and creosote. (In Chinese.) *Taiwan. Forest Res. Inst. B.* 21,19 p. Ref. Dec. 1950. 99.9 F7652

English summary.

83888 WOODS, R. P. Examination of marine borer experiment at Shoreham Harbour. *T. D. A. Q. Rev.* 3(2): 11-16. July 1951. 99.9 T48T

83889 ZUGEHÖR, A. Aus der holzschutzpraxis. Holz-Zentbl. 77:975-976. July 3, 1951. 99.81 H742

FOREST PRODUCTS

83890 CARTER, R. M. Progress in using low quality hardwoods. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48: 100-101. 1951. 4 C82

83891 EIDMANN, F. E. Möglichkeiten einer erhöhung der verwendung von tropenholz. Holz-Zentbl. 77:841-842. June 7, 1951. 99.81 H742

83892 HORVAT, I. Hardwood production in Yugoslavia. (In Dutch.) *Houthandel* 4:160-162. July 26, 1951. 99.81 H81

83893 PALMGREN, E. Ergebnisse der statistik über die gewinnung forstwirtschaftlicher erzeugnisse in Italien. *Z. f. Weltforstwirtschaft* 14:92-98. Aug. 1951. 99.8 Z35

English summary.

83894 VAROSSIEAU, W. W. Forest products research and industry in the United States. 3. *Wood* [London] 16:301. Aug. 1951. 99.82 W855

83895 WASHINGTON. FOREST PRODUCTS COMMISSION. Biennial report, 2d, 1948/1950. Seattle, Institute of Forest Products, 1951. 32 p. 99.9 W279

Lumber and Rough Products

83896 BIEBERLE, L. Buchenschwellen für schweren oberbau. *Osterr. Forst- u. Holzwirt.* 5:300-303. Oct. 7, 1950. 99.81 Os7

83897 BURENIUS, A. On the effect of cost distribution on length of timber and pulpwood. (In Swedish.) *Svenska Skogsvårdsför. Tidskr.* 49:204-215. 1951. 99.8 Sk5

83898 DIEDERICH. Der holzverbrauch grossbritanniens. *Weltholzwirtschaft* 3:34-35. Feb. 1951. 99.82 W46

83899 FRIEDRICH, R. Das modell eines freien holzmarktes. Holz-Zentbl. 77:1043-1044. July 12, 1951. 99.81 H742

Germany.

83900 HÄGGSTRÖM, S. Current fuel problems. (In Swedish.) *Skogen* [Stockholm] 38:164-165. Aug. 1, 1951. 99.8 Sk51

83901 KARUBE, Z. Appreciation of rift cut lumber. Sapporo Soc. Agr. & Forestry. J. 39:43-45. Mar.1951. 22.5 Sol

83902 REICHENSTEIN, and DAHMS. Holzversorgung und holzverbrauch Westdeutschlands. Weltholzwirtschaft 3:49-52,75-79. Mar.-May 1951. 99.82 W46

83903 ROMANET, P. DE. Quel est l'avenir du bois de chauffage? Forêts de France 25:3-4. Oct.1950. 99.9 F315

83904 ROSS, W. Champ grader sets new mark. Brit. Columbia Lumberman 35(8):60. Aug.1951. 99.81 B77

83905 RUSSELL, F. Zur grubenholzbedarfsdeckung. Holz-Zentbl. 77:940. June 26,1951. 99.81 H742 Germany.

83906 RUSSELL, F. Zur latenten grubenholzversorgungs-krise. Holz-Zentbl. 77:755-756. May 22,1951. 99.81 H742

83907 SCHÜTZE, G. A. Nochmals: zur grubenholzbedarfsdeckung. Holz-Zentbl. 77:1046. July 12,1951. 99.81 H742 Germany.

83908 STERMITZ, R. E. Relationship between log characteristics and lumber grade recovery in second-growth Douglas-fir [*Pseudotsuga taxifolia*]. (Abs.) J. Forestry 49:652. Sept.1951. 99.8 J768

83909 WAID, W. Der einschnitt von nadelderbstangen zu grubenholz. Holz-Zentbl. 77:675-676. May 5,1951. 99.81 H742

83910 WIKSTROM, J. H. Pole production down in 1950. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 101,3 p. June 1951. 1.9622 N3R31

Building Construction

83911 ARMBRUSTER, E. Untersuchungen an kunstharzverleimten lamellen- und rosträgern, sowie vergleich mit vollholzbalken. Internatl. Holzmarkt 42(12):7-13. June 16,1951. 99.81 In82

Also in Osterr. Gesell. f. Holzforsch. Mitt. 3:55-61. June 1951. 99.9 Os72

83912 ARMBRUSTER, E. Verleimte konstruktionen im bauwesen. Osterr. Forst- u. Holzwirt. 5:382-383. Dec.21,1950. 99.81 Os7

83913 BOUTIERES, D. Le bois dans les constructions de navires et de toutes embarcations. Bois et Scieries 57:680-681. July 12,1951. 99.81 B632

83914 CAMPREDON, J. Le bois dans le bâtiment et les travaux publics. Bois et Scieries 57:679-680. July 12, 1951. 99.81 B632

83915 FRONIUS, H. Die rohriesenerzeugung. Holz-Zentbl. 77:531-532. Apr.14,1951. 99.81 H742

83916 HEMPEL, G. Ist der holzbau noch wirtschaftlich? Holz-Zentbl. 77:989-990. July 7,1951. 99.81 H742

83917 MITTAG, M. Industrielle fertigung von fenstern und türen aus holz. Holz-Zentbl. 77:992. July 7, 1951. 99.81 H742

83918 RITTER, E. J. Die spanbearbeitung; grossdimensionaler gurt- und tragerbauteile in holz. Holz-Zentbl. 77:793-794. May 29,1951. 99.81 H742

83919 SAUTTER, L. Die bautechnik auf der Constructa-Bauausstellung Hannover. Holz-Zentbl. 77:987-988. July 7,1951. 99.81 H742

83920 THIER, K. Holz im bauwesen; holztagung 1951 der Deutschen Gesellschaft für Holzforschung. Holz-Zentbl. 77:1080-1081. July 19,1951. 99.81 H742

Veneers, Plywood and Adhesives

83921 BAILEY, N. Veneer and plywood. XII. Wood Working Digest 53:143-144,146,149,150. Sept.1951. 99.82 W87

83922 BELLOTTI, L., and RIGATELLI, G. F. Principles and functions of electronics in wood bonding. In Italian.) Indus. del Legno 3:27-28. (Cont.) Apr.1951. 99.82 In2

83923 BOERHAVE-BEEKMAN, W. Yugoslavian veneers. (In Dutch.) Houthandel 4:168-169. July 26, 1951. 99.81 H81

83924 CASS, W. E. Adhesives. Gen. Elect. Sci. Forum, July 4,1951,4 p. 500 G28

83925 CHIANG, F. C., and SUN, Z. L. The making of plywood and studies on its properties. I. (In Chinese.) Taiwan. Forest Res. Inst. B. 28,20 p. Dec.1950. 99.9 F7652

English summary.

83926 DALTON, L. K., and others. The development of synthetic resin adhesives for improved wood. I-II. Austral. J. Appl. Sci. 2:145-174. Mar.1951. 475 Au74

J. S. Fitzgerald, G. W. Tack, and N. Tambllyn, joint authors.

I, Aniline-formaldehyde resins in phenolic adhesives; II, Cast phenolic adhesives.

83927 EGNER, K. Marktgängige leime in Deutschland. Holz als Roh- u. Werkst. 9:164-167. Apr.1951. 99.81 H74

83928 GEBHARDT, H., GRUDZINSKI, H. VON, and MATZ, H. Vergleich zwischen der amerikansichen und der europäischen sperrholzindustrie. Holz als Roh- u. Werkst. 9:190-193. May 1951. 99.81 H74 Composition and manufacture.

83929 GREVEN, T. Der handel mit sperrholz, holzfaserplatten und furnieren; ein bericht über die marktlage. Holz-Zentbl. 77:833-834. June 5,1951. 99.81 H742 Germany.

83930 HYLER, J. E. Log sizes and lathe sizes. South. Lumberman 183(2290):57-60. Sept.1,1951. 99.81 So82

Veneers.

83931 KRAEMER, O. Sperrholz und seine bedeutung für das bauwesen. Holz-Zentbl. 77:999-1000. July 7, 1951. 99.81 H742

83932 KREJCI, J. Die furnierindustrie in Amerika und Europa. Internatl. Holzmarkt 42(13):21-24;(14):9-11. June 30-July 14,1951. 99.81 In82

83933 KRPAN, J. The veneer and plywood industry. (In Dutch.) Houthandel 4:165-167. July 26,1951. 99.81 H81

In Yugoslavia.

83934 LEIK, J. H. The story of welchboard. Wood Working Digest 53:141-143. Jan.1951. 99.82 W87

83935 MABBA, A. A. Glue line doctor. South. Lumberman 183(2290):46-54,56. Sept.1,1951. 99.81 So82

83936 NEUSSER, H. Überlegungen zu den abfällen der furnierschälerei. Osterr. Gesell. f. Holzforsch. Mitt. 3:34-39. Mar.1951. 99.9 Os72

83937 OFFENHÄUSER, F. Sperrholz und furniere- unentbehrliche baustoffe. Holz-Zentbl. 77:990. July 7, 1951. 99.81 H742

83938 PERRY, T. D. Gluing technique for wood. 8. Wood to metal joints. Wood Working Digest 53:73-76,78, 80. Sept.1951. 99.82 W87

83939 PETERSON, R. W. Radio-frequency power requirements for edge-gluing. Canada. Forest Prod. Div. Mimeog. 0-159,7 p. Oct.1950. 99.9 C16B

83940 RENO, J. Redwood [*Sequoia sempervirens*] core stock. Wood Combined Wood Prod. 56(8):34,38,58. Aug.1951. 99.82 W856

83941 RITTER, E. J. Die holzleimung mit heizbändern. Holz-Zentbl. 77:913-914. June 21,1951. 99.81 H742

83942 RITTER, E. J. Presselemente der holzleimung. Holz-Zentbl. 77:743-744. May 19,1951. 99.81 H742

83943 SAKS, E. V. White birch moves to the veneer front in Canada. Veneers & Plywood 45(9):26,28-29. Sept.1951. 99.82 V55

83944 SCHWENKHAGEN, H. F. Hochfrequenzgeneratoren für industrielle anwendung in der holztechnik. Holz als Roh- u. Werkst. 9:158-164. Apr.1951. 99.81 H74

Furniture

83945 LIPKA, W. Maschinelle einrichtungen zur herstellung von furnier- und tischlerplatten. Holz 5:105-106. (Cont.) May 1951. 99.82 H743

Containers

83946 BELANI, E. Über die ursachen der zerstörung von gebinden aus fichtenholz und deren abhilfe. Internatl. Holzmarkt 42(9):8-9. May 5,1951. 99.81 In82

83947 GRIFFAULT, P. Etude sur l'emballage 700 francs minimum de charges sociales et taxes sont payés par m3 de produit fini. Bois et Scieries 57:631-632. June 28,1951. 99.81 B632

Prices.

83948 GRIFFAULT, P. Étude sur la [caisse] floridienne. Bois et Scieries 57:704-705. July 19,1951. 99.81 B632

83949 HANSEN, G. M. West Coast species represent important box material source. Wooden Box & Crate 13(4):11-13,31-32. July/Aug.1951. 99.82 W857
Pseudotsuga taxifolia, Tsuga heterophylla, Picea sit-chensis, and Thuja plicata.

83950 SARGEANT, J. A. Lumber conservation vital in container production. Wood Combined Wood Prod. 56(8):78-80,82. Aug.1951. 99.82 W856

83951 WAGNER, J. B. How to make the perfect crose. Wood Combined Wood Prod. 56(9):79,81-82. Sept.1951. 99.82 W856

Pulp and Paper

83952 ACOSTA SOLIS, M. Las posibilidades de la industria del papel en el Ecuador. B. de Inform. Cient. Nac. 3:595-607. Mar./Apr.1951. 475 B633

83953 AGRONIN, T. Development of a system for neutral sulphite pulping. Tappi 34(8):102 A-105 A. Aug. 1951. 302.8 T162

83954 ALANDER, P. The relationship between different cooking degree numbers and some factors influencing this relationship. (In Swedish.) Papperi ja Puu. B 33: 201-209. (Cont.) June 15,1951. 302.8 P1991
English summary.

Pulp.

83955 AMERICAN PULP AND PAPER MILL SUPER-INTENDENTS ASSOCIATION. Yearbook, thirty-first annual edition, 1950. Chicago,1950. 427 p. 302.9 Am35

83956 BHAT, R. V., and JASPAL, N. S. Indigenous cellulosic raw-materials for the production of pulp, paper and board. II. Pulp for writing and printing papers from the castor oil plant (*Ricinus communis*). Indian Forester 77:450-463. Ref. July 1951. 99.8 In2

83957 BIALKOWSKY, H. W., and DEHAAS, G. G. Stabilization of Douglas fir kraft black liquor. Paper Mill News 74(35):14-16,20,22. Sept.1,1951. 302.8 P195

83958 BORRUSO, D., and BRUSA, B. Behavior of lignin and hemicellulose from in crude cellulose from fir and beech during decomposition. (In Italian.) Indus. della. Carta 5:61-64. Ref. June 1951. 302.8 In22

83959 CHITTENDEN, A. E., COOMBER, H. E., and CORNEY, N. S. Eucalyptus saligna wood from South Africa. Colon. Plant & Anim. Prod. 1:299-308. 1950. 472 C71

Pulpwood properties.

83960 DETCHER, T. E., and JONES, R. M. Ammonium bisulphite pulping, its application and future in sulphite pulp manufacture. Paper Mill News 74(36):12-16. Sept.8,1951. 302.8 P195

83961 ENGELMANN, H. Das verschiedene verhalten von baumwoll-linters und holzzellstoffen bei der acetylierung. Papier 5:149-155. Ref. May 26,1951. 302.8 P1934

83962 GALLOWAY, R. S. Movement of pulpwood, chips, coal, lime, and rolls of paper, all handled by link-belt elevator and conveying equipment at modern Coosa River newsprint plant. South. Pulp & Paper Mfr. 14(8): 52-54,56-57. Aug.15,1951. 302.8 So8

83963 GEPP, SIR H. W. Pulp, paper and paperboard industry of Australia. Pulp & Paper Mag. Canada 52(9): 72-83. Ref. Aug.1951. 302.8 P96

83964 HART, S. G. V. Anticosti Island, P. Q. N. Y.-State Col. Forestry, Syracuse U. State Range Sch. Alumni News 1950:30-35. 1951. 99.9 N487

Pulpwood harvesting.

83965 JAHN, E. C. Reciprocal paper-plastics developments. Tappi 34(8):8 A,10 A,12 A. Aug.1951. 302.8 T162

83966 KILPPEK, W. Eignungsvergleich zwischen baumwolle- und leinenhadern und holzzellstoffen. Papier 5:202-208. (Cont.) May 26,1951. 302.8 P1934

83967 KLEMM, K. H. Die verwendung verholzter faserhalbstoffe bei der papier- und pappenfabrikation. Papier 5:194-202. (Cont.) May 26,1951. 302.8 P1934

83968 MCLAREN, C. G., and BURG, M. P. Portable chipper in woods operation. Amer. Pulp & Paper Mill Supt. Assoc. Ybk. 31:50-52,54. 1950. 302.9 Am35
Includes discussion.

83969 OLIVER, M. L. Compensating for chip moisture variations by chip weighing. South. Pulp & Paper Mfr. 14(8):26,28,30. Aug.15,1951. 302.8 So8

83970 OLSON, K. E., and MARTENY, W. W. Kraft semi-chemical pulping. Paper Trade J. 133(10):118-120, 122,124,126. Sept.7,1951. 302.8 P196

83971 O'NEIL, F. W. We have pulpwood in New York State. Tappi 34(8):26 A,28 A,30 A,32 A. Aug.1951. 302.8 T162

83972 PASCOE, T. A., and SCHEFFER, T. C. Jack pine pulpwood deterioration in yard storage. Amer. Pulp & Paper Mill Supt. Assoc. Ybk. 31:43-44,46-50. Ref. 1950. 302.9 Am35

83973 PESEZ, G. A. Industry's role as related to New York State's pulpwood supply. Tappi 34(8):20 A,22 A, 24 A. Aug.1951. 302.8 T162

83974 PETRIE, G. Hot Kraft stock pre-refining system. South. Pulp & Paper Mfr. 14(8):42,44-45. Aug.15,1951. 302.8 So8

83975 REYNOLDS, R. R. Pulpwood production costs in southeast Arkansas, 1950. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 121,17 p. June 1951. 1.9 F76240

Similar title in South. Pulp & Paper Mfr. 14(9):28,30,32. Sept.15,1951. 302.8 So8

83976 ROE, R. D. British pulp and paper imports from Canada greatly reduced. Pulp & Paper Mag. Canada 52(9):158,160. Aug.1951. 302.8 P96

83977 SCHMIDT, J. Semi-chemical pulp. (In Danish.) Dansk Skovfor. Tidsskr. 36:365-372. July 1951. 99.8 D23

83978 SHITOLA, H. The length of pulpwood from the pulp makers viewpoint. (In Finnish.) Papperi ja Puu. B. 33:214-217. June 15,1951. 302.8 P1991

83979 SMALL, T. W., JR. Semichemical pulping with single rotary disk refiners. Tappi 34(8):105 A-108 A. Aug.1951. 302.8 T162

83980 STEGMANN, G. Die entrindung im walde durch chemikalien. Papier 5:162-164. May 26,1951. 302.8 P1934

83981 VIGNAUX, DU. Contribution des ressources nationales et de l'Union Française à la fabrication du papier journal. Forêts de France 26:4-5. Nov.1950. 99.9 F315

83982 WEGELIUS, T. Mill storing of pulpwood. (In Finnish.) Papperi ja Puu. B 33:218-221. June 15, 1951. 302.8 P1991

English summary.

83983 WEST, C. J., comp. Pulp and paper manufacture bibliography, 1946-1950. New York, Tech. Assoc. Pulp & Paper Indus.,1951. 752 p. 241.4 W52P

83984 WICHMANN, A. Pulpwood for groundwood mills. (In Finnish.) Papperi ja Puu. B 33:222-225. June 15,1951. 302.8 P1991

English summary.

Chemical Products and Distillates

83985 CHIN, C. C., and YANG, C. M. Experiment on the dry-distillation of wood in Taiwan. (In Chinese.) Taiwan. Forest Res. Inst. B. 27,12 p. Dec.1950. 99.9 F7652

English summary.

83986 ELSASSER, A. Das absinken der fichtengerbrindenerzeugung und seine ursachen. Osterr. Forst- u. Holzwirt. 5:363-364. Dec.7,1950. 99.81 Os7

83987 HICKERSON, R. C. Industrial utilization of wood oils. Vanderbilt U. Abs. Theses 1949/50:57. 241.8 V26

83988 MONEY, R. W. Karaya gum: physico-chemical properties with particular reference to the effect of dry grinding. J. Sci. Food & Agr. 2:373-380. Ref. Aug.1951. 382 So12

83989 SHAW, H. Possibilities for co-ordinated wattle research in the African Region. African Region. Sci. Conf. Commun. B(1) 2,4 p. 1950. 330.9 Af8

Naval Stores

83990 GRENEKER, E. F., JR. Out of the cracker barrel. Amer. Forests 57(9):6-9,45,47. Sept.1951. 99.8 F762

Turpentine.

83991 LOVERING, F. W. Old pine stumps vital to industry: furnish black-top for highways, turpentine, oil, and more than 50 rosins—even the splinters are valuable. Fla. Grower 59(9):15,24. Sept.1951. 80 F6622

83992 MCCONNELL, N. C., and PATTON, E. L. Better rosin by double-washing in gum cleaning. U. S. Bur. Agr. & Indus. Chem. AIC-311,3 p. July 1951. 1.932 A2Ag82

83993 MAZEK-FIALLA, K. Vorläufige versuche einer modernen wirtschaftlichen fichtenflussharzgewinnung. Osterr. Gesell. f. Holzforsch. Mitt. 3:30-34. Mar.1951. 99.9 Os72

83994 U. S. BUR. OF AGRICULTURAL ECONOMICS. Review and outlook, naval stores. Washington,1951. 27 p. 1.941 S2N22

Other Forest Products

- 83995 ANDERSON, C. W. How to develop the Swedish-British wallboard trade? Svensk Trävaru-Tidn. Svensk Pappersmassetidn. 12:691. June 30, 1951. 99.81 Sv22
- 83996 CHASE, S. B. Progress with forest tree crops. (Abs.) Assoc. South. Agr. Workers. Proc. 48:97. 1951. 4 C82
- Tennessee Valley Authority.
- 83997 CHITTENDEN, A. E., and COCMBER, H. E. The suitability of Brachystegia, Isoberlinia and other hardwoods of Northern Rhodesia for the manufacture of fibre boards. Colon. Plant & Anim. Prod. 1:294-299. 1950. 472 C71
- 83999 DESFARGES, P. De la fabrication des modes-tes allumettes à la production des pâtes à bois. Bois et Sciéres 57:655-656. July 5, 1951. 99.81 B632
- 83999 FRANCO, A. T. Political economy; cork, production statistics. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 13:143-145, 175-178. (Cont.) Apr.-May 1951. 309.9 J96
- 84000 GEETE, E. Cork and its use. (In Swedish.) Skogen [Stockholm] 38:177-178. Aug. 1, 1951. 99.8 Sk51
- 84001 HOHF, J. P. Board materials from sawdust and shavings. Wood Combined Wood Prod. 56(8):49. Aug. 1951. 99.82 W856
- 84002 JAESCHKE, A. Die-verwendung von säge-spänen zu baukörpern. Holz 5:135-137. June 6, 1951. 99.82 H743
- 84003 JESUMANN. Holzwohle-leichtbauplatten auch für aussenwände. Holz-Zentbl. 77:577. Apr. 21, 1951. 99.81 H742
- 84004 MCGINN, E. P. Rhinelander yeast plant. Paper Trade J. 133(10):96, 98-100. Sept. 7, 1951. 302.8 P196
- 84005 MICHIELS, L. Un coup d'oeil sur le marché belge et les perspectives pour 1951. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 13:146-147. Apr. 1951. 309.9 J96
- French text, p. 17-21.
- 84006 NEVES, C. M. B. Economic importance of cork oak culture in the State forests between 1895 and 1905. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 13:179-183. May 1951. 309.9 J96
- Portugal.
- 84007 RICHARDSON, R. There's good value in wood chips. Rur. New-Yorker 101:550, 563. Sept. 15, 1951. 6 R88
- 84008 SCHWARTZ, S. L., and BAIRD, P. K. Effect of fiber-size distribution on the properties of hardboards made from fiberized water-soaked Douglas-fir. Amer. Pulp & Paper Mill Supt. Assoc. Ybk. 31:155-156, 158-163. Ref. 1950. 302.9 Am35
- 84009 SPRANGERS, A. A. C. The situation of the fiberboard industry at present. (In Dutch.) Houthandel 4:185-186. Aug. 9, 1951. 99.81 H81
- 84010 STRATTON, C. L. Unique mill makes synthetic lumber out of waste. Wood Working Digest 53:175-176, 178-179. Sept. 1951. 99.82 W87
- 84011 YAHR, C. C. Geographical possibilities of cork production in the United States. Ill. State Acad. Sci. Trans. 43:91-100. Ref. 1950. 500 IL6

WOOD TECHNOLOGY

- 84012 ACOSTA SOLÍS, M. Xiloteca ecuatoriana. III. Muestras de maderas en tamaño standard para intercambios. Ecuador. Dept. Forest. P. 11, 10 p. Jan. 1951. 99.9 Ec9P
- 84013 BAILEY, N. Know your wood: beech. Wood Working Digest 53:137-139. Sept. 1951. 99.82 W87
- 84014 BOND, C. W. Colonial timbers. London, Pitman, 1950. 191 p. 99.79 B64
- 84015 GARTNER, F., and SAMUELSON, O. Emulsion xanthation of cellulose. III. Svensk Kem. Tidskr. 63:114-120. 1951. 385 Sv22
- 84016 DIE GEGENWÄRTIGEN und künftigen wissenschaftlichen aufgaben der "Lignikultur" (Gesellschaft für Holzerzeugung ausserhalb des Waldes e. V.) im Bundesgebiet. Deut. Baumsch. 3:117-120. May 1, 1951. 80 D486
- 84017 GIORDANO. Technology and industry of poplar wood. (In Italian.) Indus. del Legno 3:23-24. Apr. 1951. 99.82 In2
- 84018 HÖNICKE, K. Holz unter lupe und mikroskop; der mikroskopische bau der holzes. Schatzkammer des Wissens 9:1-4. June 28, 1951. 99.8 Sch1

- 84019 KINGSBURY, R. M. Determination of iron in wood and wood pulp. Tappi 34(8):382-384. Ref. Aug. 1951. 302.8 T162
- 84020 KURTH, E. E., and others. The acid hydrolysis of Australian woods. Austral. J. Appl. Sci. 2:184-199. Ref. Mar. 1951. 475 Au74
- D. H. Foster, O. G. Ingles, B. J. F. Ralph, and M. H. R. Shipp, joint authors.
- Eucalyptus obliqua.
- 84021 REID, J. S. Building timbers in New Zealand. Forest Res. Inst. Forest Prod. Res. Notes 1, 28 p. Oct. 1950. 99.9 W46F
- 84022 SANDERMANN, W. Holzforschung-hüben und drüben. Holz-Zentbl. 77:583-584. Apr. 24, 1951. 99.81 H742
- 84023 VOGEL, F. H. Impregnation of wood with metals. Ala. Farmer 30(8):4, 12. May 1951. 276.8 AL1
- 84024 WACEK, A. Neue entwicklungsmöglichkeiten bei den holzaufschlussverfahren. Internatl. Holzmarkt 42(14):15. July 14, 1951. 99.81 In82
- 84025 YAMASHITA, T. Studies on the lignin. 1. On the ultraviolet absorption spectrum of gymnosperm lignin and its analogs. (In Japanese.) Japan. Govt. Forest Expt. Sta. B. 45:147-152. Ref. Sept. 1950. 99.8 R47
- English summary.

Properties and Structure

- 84026 ARMSTRONG, F. H. Resistance to wear of panga panga [Milletia stuhlmanii] as flooring. Wood [London] 16:296-297. Aug. 1951. 99.82 W855
- 84027 BERKEL, A. Untersuchungen über die eigenschaften des libanonzedernholzes - Cedrus libanotica, Link. (In Turkish.) Istanbul. U. Orman Fakul. Dergisi 1:183-211. 1951. 99.9 Is72
- German summary.
- 84028 BISSET, I. J. W., and ELLWOOD, E. L. The relation of differential collapse and shrinkage to wood anatomy in Eucalyptus regnans F.v.M. and E. gigantea Hook. Austral. J. Appl. Sci. 2:175-183. Ref. Mar. 1951. 475 Au74
- 84029 CAMPREDON, J. La tenue des bois sous la charge. Bois 68(12):1, 3. June 25/30, 1951. 99.82 B632
- 84030 GRAF, O. Über die eigenschaften von stangen und rundholz zu tragwerken. Holz als Roh- u. Werkst. 9:182-186. May 1951. 99.81 H74
- Tests.
- 84031 HENNIG, R. Über das raumgewicht und seine bestimmung bei kleinen holzproben. Weltholzwirtschaft 3:57-58. Mar. 1951. 99.82 W46
- 84032 JAYME, G. Über die bedeutung des zugholzanteils in pappelholzern. Holz als Roh- u. Werkst. 9:173-175. May 1951. 99.81 H74
- 84033 JOHNSON, J. W. Relationship between shear and diagonal web stresses in laterally loaded wood panels. (Abs.) J. Forestry 49:638. Sept. 1951. 99.8 J768
- 84034 KABURAGI, Z., and KANO, T. Forest-biological studies on the wood quality. 1-2. (In Japanese.) Japan. Forest Expt. Sta. B. 45:37-110. Ref. Dec. 1950. 99.9 J276
- English summary.
1. On the moisture content, the bulk density of the early- and late-wood of green Todo-fir grown at Nopporo District in Hokkaido and their shrinkage, by Z. Kaburagi; 2. Hygroscopical properties of Todo-fir (Abies mayriana Miyabe et Kudo) lumber, by T. Kano.
- 84035 KAEISER, M. Microscopic anatomy of the wood of three species of junipers. Ill. State Acad. Sci. Trans. 43:46-50. 1950. 500 IL6
- 84036 KLAUDITZ, W. Über die mechanischen eigenschaften und chemische zusammensetzung des stammholzes zweier pappelhybriden. Holz als Roh- u. Werkst. 9:81-84. Ref. Mar. 1951. 99.81 H74
- 84037 KLEHR, A. Aushaltung von eichen-wertholz. Forstl. Mitt. 4:101-102. June 5, 1951. 99.8 F7725
- 84038 KRAMER, W. Die biegefähigkeit verstockten buchenholzes. Holz-Zentbl. 77:741-742. May 19, 1951. 99.81 H742
- 84039 SANDERMANN, W., and DEHN, U. V. Einfluss chemischer faktoren auf die festigkeitseigenschaften zementgebundener holzwolleplatten. Holz als Roh- u. Werkst. 9:97-101. Ref. Mar. 1951. 99.81 H74
- 84040 STARK, F. Die rotstreifigkeit des fichtenholzes. Österr. Vrtljahresschr. f. Forstw. 92:95-111. Ref. 1951. 99.8 Oe8

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 84041 BERTL. Eröffnung der neuen besamungsstation Hohenwarth. *Landwirtschaft* 15/16:232-233. Aug. 1951. 19 U235
- 84042 BETTENAY, R. A. Genetics and animal breeding. *West. Austral. Dept. Agr. J.* (ser.2)28:76-82. Mar.1951. 23 W52J
- 84043 CLAESON, O. Importance of vitamin E for livestock fertility. (In Swedish.) *Ladugården* 7:198-201. July 1951. 44.8 L12
- 84044 FILMER, J. F. Research in animal breeding in Britain and U.S.A. *New Zeal. J. Agr.* 82:477-479. June 1951. 23 N48J
- 84045 FLOWER, A. E. Animal genetics in relation to efficient beef production. *Mont. Farmer-Stockman*, Aug.1,1951:40,85. 6 M764
- 84046 HAGEDOORN, A. L. Should breeding stock be imported? *Farmer's Wk. [Bloemfontein]* 81:13. Aug.8, 1951. 24 F225
- 84047 HARVEY, N. A.I. and the farmer. *New Statesman & Nation* 42:199-200. Aug.25,1951. 280.8 N2132
- 84048 HERWEIJER, C. H. The influence of tropical climate upon reproduction of animals. (In Dutch.) *Hemera Zoa* 58:146-168. Ref. Mar.1951. 41.8 V51 English summary.
- 84049 KARRAS, W. Spermatstudien. 2. Die biologische aufgabe der kopfkappen der spermien. *Monatsh. f. Prakt. Tierheilk.* (n.s.)3:151-167. Ref. 1951. 41.8 M74
- 84050 KIDWELL, J. F. The application of the allometry technique to animal breeding. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:81. 1951. 4 C82
- 84051 LETARD, E. Les données récentes dans le domaine de l'insémination artificielle. *Cahiers de Méd. Vét.* 20:73-91. May/June 1951. 41.8 C11
- 84052 LÖRTSCHER, H. Die erbmassigen grundlagen der züchtungsverfahren. *Schweiz. Landwirt. Monatsh.* 29:225-235. (Cont.) July 20,1951. 17 Sch93 Animals.
- 84053 MAINARDI, B. Consanguinity. (In Italian.) *Humus* 7(7):25. July 1951. 16 H88 Livestock breeding.
- 84054 MARICZ, M. L'insémination artificielle au Congo Belge. *Cour. Agr.* 16(11):1,3. May 23,1951. 24 C83 Livestock.
- 84055 MILOVANOV, V. K. Biological problems of animal breeding and teaching of academician I. P. Pavlov. (In Russian.) *Karakulevodstvo i Zverovodstvo* 4(1):60-64. Jan./Feb.1951. 49 K14
- 84056 OERTZEN, H. U. V. Dänemarks leistung in der tierzucht. *Tierzüchter* 3:446-449. Aug.20,1951. 49 T445
- 84057 PACI, C. Heterosis in hybrids. (In Italian.) *Riv. di Zootec.* 24:129-132. Apr.1951. 49 R52
- 84058 ROOS, M. J. Stock breeding. (In Dutch.) *Pels en Pluim* 6:1-2. July 27,1951. 47.8 P36
- 84059 SCAPPINI, M. Activity of the Lendinara Artificial Insemination Center. (In Italian.) *Agr. del Polesine* 3:21. Feb.1951. 16 Ag8222
- 84060 SCHÄFER. Gedanken zur künstlichen besamung. *Allgäuer Bauernbl.* 19:374-375. July 12,1951. 18 AL53

FEEDS AND FEEDING

- 84065 BAKER, W. S. What the feed manufacturer expects in fish meal. *Grain & Feed J. Consolidated* 107(4):31. Aug.22,1951. 298.8 G762
- 84066 BALIN, J. L'ensilage des fourrages. *Rev. Agr. de l'Afrique du Nord* 49:303-306,337-342. Apr.20-May 4,1951. 80 R326
- 84067 BELLE. L'alimentation du bétail; quelques notions indispensables. *Chambre d'Agr. de Casablanca*. B. 22(244):13-14. Aug.1951. 24 C26
- 84068 BELTRAN MONFERRER, J. M. Contribución a la mejora de la producción cárnica. II. Ganadería [Madrid] 9:278-280. June 1951. 49 G15 Pasture feeding.
- 84069 BORZHKOVSKII, S. E., and GOL'DBERG, S. G. Some problems of feed ensilage. (In Russian.) *Vsesofuzn Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy* 1:303-311. 1950. 389.79 D85
- 84070 BREIREM, K. Extent of silage preparation. (In Norwegian.) *Norsk Landbr.* 17:166-167. Apr.27,1951. 11 N8122 Statistics.
- 84071 BREIREM, K. Use of sour milk in the manufacture of silage. (In Norwegian.) *Norsk Landbr.* 17:214. May 25,1951. 11 N8122
- 84072 BUZL V. C. Pastures in rotation. (In Italian.) *Allevatore* 7(21):3. May 27,1951. 49 AL55 Grazing.
- 84073 DAVIS, G. K. Trace mineral elements in feeds for poultry and livestock. *Feedstuffs* 23(36):32-33,36-38. Sept.8,1951. 286.81 F322
- 84074 D'ÁKOV, M. I. Development and present day status of the All-Union Scientific-Research Institute of Farm Animal Nutrition. (In Russian.) *Vsesofuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy* 1:7-16. 1950. 389.79 D85
- 84075 DOANE, D. H. Make the most of your corn. *Breeder's Gaz.* 116(10):7,26. Oct.1951. 49 B74
- 84076 DORION, P. A. Une nouvelle initiative de la coopérative agricole de St-Anselme de Dorchester; l'ensilage des fourrages verts en coopération. *Terre de Chez Nous* 23(23):6-7. Aug.1,1951. 7 T27
- 84077 DU COURTIL, A. Recolte en vert en ensilage du maïs fourrage. *Vie à la Campagne* 40:302-303. Aug. 1951. 80 V67
- 84078 ENGELMANN, L. Futtergewinnung durch zwischenfrucht—aber mit überlegung. *Kontrollangestellte* p.3-4. In *Unser Milchvieh* 3(6). June 1951. 43.8 Un7
- 84079 ESKUCHEN. Vorsicht bei verfütterung sogenannter süßslupinen. *Hannoversche Land- u. Forst-wirt. Ztg.* 104:605. June 30,1951. 18 H194
- 84080 FABRIS, A. Determination of crude cellulose in fodder. (In Italian.) *Riv. di Zootec.* 24:160-162. May 1951. 49 R52
- 84081 FALVA, C. Milokorn. *Österr. Kleintierzüchter* 15/16:997. Aug.1951. 49 Os7 As feed.
- 84082 GLOVER, W. H. Grass silage in 1886. *Hoard's Dairyman* 96:643. Aug.25,1951. 44.8 H65
- 84083 GREEN, W. W. Type and efficiency in animal production. *Md. Farmer* 35(8):15. Aug.1951. 6 M362 Efficiency of gain.
- 84084 GROENEWALD, J. W. Mineral and trace element requirements of animals in South Africa. So. African Vet. Med. Assoc. J. 22:53-61. Ref. June 1951. 41.8 So8
- 84085 GRUMMER, R. H. Barley as livestock feed. *Grain & Feed J. Consolidated* 107(4):22-23. Aug.22,1951. 298.8 G762
- 84086 HANSARD, S. L., and others. The effects of nutritional status and certain experimental variables upon the behavior of radiocalcium in the animal body. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:78-79. 1951. 4 C82
- C. L. Comar, M. P. Plumlee, S. L. Hood, C. S. Hobbs, and B. F. Barrentine, joint authors.
- 84087 HANSARD, S. L., and others. Practical techniques for quantitative administration, routine sampling and recovery of radioisotopes in animal nutrition studies. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:177. 1951. 4 C82
- C. L. Comar, M. P. Plumlee, and C. S. Hobbs, joint authors.
- 84088 HART, G. H. How feed men can detect and correct livestock diet deficiencies. *Amer. Miller & Processor* 79(8):64-66. (Cont.) Aug.1951. 298.8 Am32

- 84089 HAYWARD, J. W. Soybean oil meal for livestock and poultry. In Markley, K. S., ed. Soybeans and soybean products, v. 2, p.891-947. Ref. New York, Interscience, 1951. 60.3 M34
- 84090 HEURTEL, P. Le problème des aliments mélassés au Maroc. Chambre d'Agr. de Casablanca. B. 22(241):17-19. May 1951. 24 C26
- 84091 HILLS, L. Green fodder crop. 2-3. Poultry 109:48,64. July 17-24, 1951. 47.8 P869
- 84092 HVIDSTEN, H. The growth stimulating effect of antibiotics in addition to the feed. (In Norwegian.) Norsk Landbr. 17:207-209. May 25, 1951. 11 N8122
- 84093 KEILHOLZ, F. J. Are we slaves to corn? You may doubt the experts' prediction that grass is on the way to compete with corn as a meat-maker in the Midwest, but you'll have to admit the Walls' pasture, hay and silage pays off in dollars and cents. Country Gent. 121(9):27, 124-126. Sept. 1951. 6 C833
- 84094 KIRSCH, SPLITTGERBER, and FANGAUF. Das fütterungsmodell in der praktischen nutztierhaltung; fütterpläne und fütterungsbeispiele. Futter u. Fütterung 14:1-5. In Tierzüchter 3(16). Aug. 20, 1951. 49 T445
- Pigs, dairy cattle and poultry.
- 84095 KONDYREV, V. E., KAPUSTINA, A. V., and KUROLEVA, A. I. Microorganisms as a source of protein in rations of farm animals. (In Russian.) Vsesofuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy 1:288-295. 1950. 389.79 D85
- 84096 LAZIER, W. A. Antibiotics for livestock. Rur. New-Yorker 101:524-525. Sept. 1, 1951. 6 R88
- 84097 LECHNER, L. Alte und neue erfahrungen mit der füttermalve. Neue Mitt. f. die Landwirt. 6:262. Apr. 28, 1951. 18 N39
- 84098 LEEUWEN, A. VAN. The possibilities of the use of ramie (Boehmeria nivea) as a fodder crop. (In Dutch.) Landbouw [Bogor] 23:61-85. Jan./Mar. 1951. 22.5 L23
- English summary.
- 84099 LOMA, J. L. DE LA. Ensilado vertical de los forrajes verdes. Asoc. Gen. de Agr. B. 292:2. Apr. 15, 1951. 8 As52
- 84100 MARTIN, J., REYNTENS, N., and BUYSE, F. Résultats de 10 années de recherches dans le domaine du fourrage ensilé. Rev. de l'Agr. 4:967-984. Ref. Aug. 1951. 13 R322
- English summary.
- 84101 MASCAGNI, O. The feeding of livestock. (In Italian.) Agr. Tosc. 6:251-257. (Cont.) July 1951. 16 Ag827
- 84102 MAYMONE, B., and BATTAGLINI, A. Researches on the digestibility and on the nutritive value of the carob-bean pods (Ceratonia siliqua L.). (In Italian.) Ann. della Sper. Agr. (n.s.) 5:721-744. 1951. 16 An76
- English summary.
- For livestock.
- 84103 MOATI, P. L'alimentation du bétail: les sous-produits des plantes sarclées. Rev. Agr. de l'Afrique du Nord 49:285-286. Apr. 13, 1951. 80 R326
- Sugar beet waste used as food for livestock.
- 84104 MOUSTGAARD, J. Some aspects of the inter-relationship between hormonal function and nutrition. Gent. Landbhogesch. Meded. 15:788-796. Ref. Dec. 1950. 105.1 G344
- 84105 MYSIUTKINA, M. V. In regard to permissible quantities of fluorine in rations of farm animals. (In Russian.) Vsesofuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy 1:175-187. Ref. 1950. 389.79 D85
- 84106 NORRIS, L. C. Marching along are the B-group vitamins. Grain & Feed J. Consolidated 107(4):24, 26-27. (Concl.) Aug. 22, 1951. 298.8 G762
- In animal nutrition.
- 84107 NORTH DAKOTA. AGRICULTURAL EXTENSION SERV. Grass silage. N. Dak. Agr. Col. Ext. C. A-159,6 p. June 1951. 275.29 N812Sa
- 84108 OLSEN, L. Sugar beet by-products. Flour & Feed 52(4):30. Sept. 1951. 298.8 F66
- Feed.
- 84109 PACI, C. Preparation of feed. (In Italian.) Riv. di Zootec. 24:222-226. July 1951. 49 R52
- 84110 PRAKHIN, M. E. Detoxication of castorbean oilcakes and meal under industrial conditions for the purpose of feeding them to farm animals. (In Russian.) Vsesofuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy 1:296-302. Ref. 1950. 389.79 D85
- 84111 RABONAL LUIS, M. El factor proteina animal. B. de Divulg. Ganad. [Ciudad Real] 5(55/57):35-36. Oct./Dec. 1950. 49.9 Sp14
- 84112 ROBERTSON, E. I. A nutrition program for dealers. Feed Age 1(6):25-28. June 1951. 389.78 F327
- 84113 ROCA, R. El ensilado ácido de los forrajes. Cult. Mod. 34:204-205. June 1951. 15 C89
- 84114 SCHEUNERT, A. Grundlagen der mineralsalz-versorgung. Neue Mitt. f. die Landwirt. 6:509-511. Aug. 4, 1951. 18 N39
- For animal nutrition in Germany.
- 84115 SCHNEIDER, B. H., and others. Estimation of the digestibility of feeds from their proximate composition. J. Anim. Sci. 10:706-713. Ref. Aug. 1951. 49 J82
- H. L. Lucas, H. M. Pavlech, and M. A. Cipolloni, joint authors.
- 84116 SCHOENE, G. Kräuter als fütterpflanzen. Neue Mitt. f. die Landwirt. 6:297-298. May 12, 1951. 18 N39
- Nutritive value.
- 84117 SEIDEL, and KIRSCH. Zur wertheinstufung von trockengrünfütter und getrocknetem rübenblatt (troblako). Futter u. Fütterung 14:9. In Tierzüchter 3(16). Aug. 20, 1951. 49 T445
- 84118 SELLERGREN, H. The pH value of AIV feed. (In Swedish.) Lantmannen 35:308,312. Apr. 14, 1951. 11 L234
- 84119 SHEEHY, E. J. Mineral deficiency limits the production of live stock and livestock products. Agr. Ireland 8:172-173,175. Aug. 1951. 10.5 Ag8
- 84120 SIEBOLD, F. Schafft fütterreserven durch gutes gärfutter! Neue Mitt. f. die Landwirt. 6:298-299. May 12, 1951. 18 N39
- 84121 SMITH, S. E. Functions and requirements of cobalt livestock rations. Feed Age 1(6):16-18,40. June 1951. 389.78 F327
- 84122 SPERLING. Vitamine in der fütterung. Futter u. Fütterung 14:6-8. In Tierzüchter 3(16). Aug. 20, 1951. 49 T445
- 84123 SPISNI, D. Chemical composition and biological value of alfalfa. (In Italian.) Clin. Vet. 74:199-214. July 1951. 41.8 C61
- 84124 SPLITTGERBER. Mineralstoffsicherungs-zusätze. Futter u. Fütterung 14:5-6. In Tierzüchter 3(16). Aug. 20, 1951. 49 T445
- 84125 SVEDBACK, V. Nutritive value of hay. (In Swedish.) Västerbotten 1:10-11. Feb. 1950. 11 V442
- 84126 TESTONI, R. Old and new ideas in the field of ensilage of forage. (In Italian.) Riv. di Zootec. 24:187-192. June 1951. 49 R52
- 84127 TRIBE, D. E., and GORDON, J. G. An experimental study of palatability. Agr. Prog. 25:94-101. Ref. 1950. 10 Ag86
- Feed.
- 84128 USUELLI, F. Recent research on the relations between nutrition and reproduction. VIII-XII. Variations in vitamin content. (In Italian.) Riv. di Zootec. 24:79-83, 116-121, 152-159, 181-186, 218-221. Mar.-July 1951. 49 R52
- Vitamins C, A, and E.
- 84129 VALDINOCI, M. Proper feeding of livestock: indispensable supplements of green feed. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(57):8. Aug. 10, 1951. 281.8 Ag3
- 84130 VILLEGAS, V. Minerals for farm animals. Agr. & Indus. Life 13(7):20,47. July 1951. 25 Ag8
- 84131 VIRTANEN, A. I., and MIETTINEN, J. K. Estimation of volatile fatty acids and ammonia in silage by means of paper chromatography. Nature [London] 168:294-295. Aug. 18, 1951. 472 N21
- 84132 VSESOFUZNYI NAUCHNO-ISSLEDOVATEL'-SKII INSTITUT KORMLENIYA SEL'SKOKHOZIAISTVEN-NYKH ZHIVOTNYKH. Trudy [Proceedings of the All-Union Scientific-Research Institute of Farm Animal Nutrition], v. 1. Moskva, Gos. Izd-vo Sel'khoz Lit-ry, 1950. 350 p. 389.79 D85
- 84133 WEST, L. Grass silage equipment winning favor. Canad. Farm Impl. 47(7):36. July 1951. 58.8 C163
- 84134 WHEAT good feed for livestock. Canad. Milling & Feed 32(4):22. Apr. 1951. 298.8 C162
- 84135 WURTZ, B., and MURSCH, R. Changements de propriétés biochimiques et morphologiques des bactéries lactiques de l'ensilage. II. Hypothèse sur la nature du phénomène. Acad. des Sci. Compt. Rend. 233: 456-458. July 30, 1951. 505 P21
- 84136 WUTTKE, W. Sorgfältige füttereintellung auch bei guter rübenernt. Hannoversche Land- u. Forstwirtschaft. 104:201. (Cont.) Mar. 3, 1951. 18 H194

- 84137 ZHURAVLEV, E. M., and IAKOVLEVA, G. K. Effect of developmental phase of legumes and grasses and methods of drying them on content of nutritive substances and vitamins in hay. (In Russian.) Vsesoiuzn. Nauch. Issled. Inst. Kormleniia Sel'skokhoz. Zhivotn. Trudy 1:120-141. Ref. 1950. 389.79 D85
- 84138 ZHURAVLEV, E. M. Effect of long storage of silage on its carotene and vitamin C content. (In Russian.) Vsesoiuzn. Nauch. Issled. Inst. Kormleniia Sel'skokhoz. Zhivotn. Trudy 1:159-163. Ref. 1950. 389.79 D85
- 84139 ZHURAVLEV, E. M. Effect of mechanization of hay harvesting on carotene content in hay. (In Russian.) Vsesoiuzn. Nauch. Issled. Inst. Kormleniia Sel'skokhoz. Zhivotn. Trudy 1:150-158. 1950. 389.79 D85
- 84140 ZHURAVLEV, E. M. In regard to vitamin A norms in rations of farm animals. (In Russian.) Vsesoiuzn. Nauch. Issled. Inst. Kormleniia Sel'skokhoz. Zhivotn. Trudy 1:110-119. Ref. 1950. 389.79 D85
- ### VETERINARY MEDICINE
- 84141 AMMERMAN, M. A. Foot-and mouth disease campaign in Republic of Mexico. N. Y. State Col. Forestry, Syracuse U. State Ranger Sch. Alumni News 1950: 36-38. 1951. 99.9 N487
- 84142 ARIAS, C., and others. The influence of different amounts and sources of energy upon in vitro urea utilization by rumen microorganisms. J. Anim. Sci. 10:683-692. Ref. Aug.1951. 49 J82
W. Burroughs, P. Gerlaugh, and R. M. Bethke, joint authors.
- 84143 ARMISTEAD, W. W., and LUMB, W. V. Draping a small animal for surgery of the thigh region. Southwest Vet. 4(4):19-23. May 1951. 41.8 So82
Photographs.
- 84144 DIE AUSBILDUNG zum tierarzt. Grüne 79: 769-779. July 13, 1951. 17 Sch9
- 84145 BARBARO, A. D'A. Organotropy of vitamin E; histological research. (In Italian.) Riv. di Zootec. 24:237. July 1951. 49 R52
- 84146 BARRAL, P., and others. Immunité, sensibilité et insensibilité aux antigènes. Rev. de Path. Compar. 51:154-161. Feb.1951. 448.8 R326
G. Guillot, M. Dumeste, and R. Motte, joint authors. Includes discussion.
- 84147 BASANTA, E. A. La distomatosis o mal de hígado. Pampa Argentina 24(282):23. June 1951. 9 P19
- 84148 BÖHME, D. "Grasvergiftung" bei weidetieren? Landfrau 6(15):12. July 21, 1951. 18 L2337
- 84149 BOMBAY. DEPT. OF ANIMAL HUSBANDRY AND VETERINARY SCIENCE. Annual administration report, 1948-49. Bombay, 1951. 90 p. 41.9 B634
- 84150 BOURNE, R. F. The physiology of disease. XII. Hematuria and hemoglobinuria. No. Amer. Vet. 32:611-614. Sept.1951. 41.8 N812
- 84151 BOYD, H. Veterinary obstetrics in Sweden. Vet. Rec. 63:563-554. Sept.1, 1951. 41.8 V641
- 84152 BOYLAND, E., GOSS, G. C. L., and WILLIAMS-ASHMAN, H. G. The hexokinase activity of animal tumours. Biochem. J. 49:321-325. Ref. Aug.1951. 382 B52
- 84153 BRAGA, J. W. Problems of veterinary medicine in the Northeast of Brazil. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 17:192-219. July/Dec.1950. 9.2 P423
English summary.
- 84154 BURGISSER, H. Contribution à l'étude de la brucellose du gibier. Schweiz. Arch. f. Tierheilk. 93: 499-504. July 1951. 41.8 Sch9
English summary.
- 84155 BURROUGHS, W., and others. In vitro observations upon the nature of protein influence upon urea utilization by rumen microorganisms. J. Anim. Sci. 10:672-682. Ref. Aug.1951. 49 J82
C. Arias, P. DePaul, P. Gerlaugh, and R. M. Bethke, joint authors.
- 84156 BURROUGHS, W., and others. Mineral influences upon urea utilization and cellulose digestion by rumen microorganisms using the artificial rumen technique. J. Anim. Sci. 10:693-705. Aug.1951. 49 J82
A. Latona, P. DePaul, P. Gerlaugh, and R. M. Bethke, joint authors.
- 84157 CANGAS-ONIS. La triquinosis. Pampa Argentina 24(282):2 June 1951. 9 P19
- 84158 CHODKOWSKI, A., and CZARNOWSKI, A. Listerellosis. (In Polish.) Med. Weter. 7:362-364. Ref. June 1951. 41.8 M463
English summary.
- 84159 CHRISTOPHER, W. Medicine chests for farm remedies lead to more sales. Feedstuffs 23(35):38. Sept.1, 1951. 286.81 F322
- 84160 COLAM, L. Some animals have strange senses. Co-op. Home Mag. 56(4):11. Apr.1951. 280.28 W563
- 84161 COMAR, C. L., and others. Exchange reactions in the uptake of radiocalcium and radiophosphorus by the skeleton. (Abs.) Assoc. South. Agr. Workers. Proc. 48: 80. 1951. 4 C82
S. L. Hansard, R. A. Monroe, B. F. Barrentine, M. P. Plumlee, and S. L. Hood, joint authors.
- 84162 DE KOCK, G. Veterinary services in Australia and New Zealand: a few impressions. So. African Vet. Med. Assoc. J. 22:41-48. (Concl.) June 1951. 41.8 So8
- 84163 DENMARK. VETERINÄRE SUNDHEDSRÅD. Annual report of the Veterinary Health Council for the year 1950. (In Danish.) Denmark. Vet. Sundhedsråd. Arsberet. 1950:1-59. 1951. 41.9 D412
- 84164 DRAHN, F. Drei jahre othromintherapie. Tierärztl. Umschau 6:308-311. Sept.1951. 41.8 T445
- 84165 DREYFUS, S. A long incubation period in a case of rabies. (In Hebrew.) Refuah Vet. 8:17-18. Feb. 1951. 41.8 R25
English summary, p. 28.
- 84166 DRIEUX, H. Albinisme et dégénérescence musculaire chez les animaux domestiques. Rev. de Path. Compar. 51:178-180. Mar.1951. 448.8 R326
- 84167 EDGAR, G. Contributions of agricultural research in livestock industries. Austral. Inst. Agr. Sci. J. 17:90-93. June 1951. 23 Au74
Livestock diseases.
- 84168 EDWARDS, J. T. History of the veterinary profession 1851-1951. Brit. Vet. J. 107:287-302, 319-334, 349-364. (Cont.) July-Sept.1951. 41.8 V643
- 84169 EHRLICH, C. Starker einbruch der maul- und klauenseuche in Westfalen. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1217. Aug.23, 1951. 18 L2346
- 84170 EHRLICH, C. Wie wird die stalldesinfektion bei tuberkulose durchgeführt? Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1259-1260. Aug.30, 1951. 18 L2346
- 84171 ENDRES, K. Der rauschbrand oder flug. Auf der Alpe 8:60-62. (Concl.) Aug.1951. 18 Au3
- 84172 ENRIGHT, J. B. The role of animals in Q fever. Vet. Med. 46:383-386, 399. Ref. Oct.1951. 41.8 M69
- 84173 EPSTEIN, B., FONSECA, N. M., and DE ROBERTIS, E. Electron microscope study of red cell membranes after experimental infection with the virus of foot-and-mouth disease. J. Expt. Med. 94:171-176. Ref. Sept.1, 1951. 448.8 J822
- 84174 EWY, Z. Gonadotropic hormones from the serum of pregnant mares and their use in therapeutics and the breeding of farm animals. (In Polish.) Med. Weter. 7: 311-314. May 1951. 41.8 M463
- 84175 FETHERS, G. Salmonellosis. Past. Rev. 61: 621. June 16, 1951. 23 Au75
In Australia.
- 84176 FORUM: problems in practice. Iowa Vet. 22(5):9-13, 18-22, 24, 26, 28. Sept./Oct.1951. 41.8 Io9
Leader: A. H. Quin; Panel members: L. T. Railsback, A. W. Krause, H. P. Wessells, R. C. Scott, P. C. Bennett, and B. S. Pomeroy.
- 84177 FRES DORF, E. Über die behandlung der krankheiten. Berlin. u. Münch. Tierärztl. Wchnschr. 7: 133-138. Ref. July 1951. 41.8 B45
- 84178 FREY, H. H. Vergleichende betrachtung der rückenmarksanaesthesien in der veterinärmedizin und vorschlag zur vereinheitlichung der nomenklatur. Tierärztl. Umschau 6:271-275. Aug.1951. 41.8 T445
- 84179 GARDNER, T. S., and SPEAKER, D. M. A critical evaluation of anti-reticular cytotoxic serum (ACS). Tex. Rpt. Biol. & Med. 9:448-490. Ref. Fall 1951. 448.8 T31
Includes use for animals.
- 84180 GEBAUER, H. Mineralstoffwechsel, dessen auswirkung auf bewegungsstörungen, verlauf und heilung einiger infektionskrankheiten. Tierärztl. Umschau 6: 329-331. Sept.1951. 41.8 T445
- 84181 GERNEZ-RIEUX, C., and TACQUET, A. Le phénomène de l'hémolyse conditionnée dans la tuberculose. Inst. Pasteur. Ann. 81(2):149-157. Ref. Aug.1951. 448.3 An75
Includes livestock.

84182 GONZÁLEZ OVEJERO, L. La muerte aparente del recién nacido. *Veterinaria* 15:539-557. July 1951. 41.8 V6429

84183 GOOR, S. The Government Veterinary Laboratory 1925-1950. (In Hebrew.) *Refuah Vet.* 7:135. Dec. 1950. 41.8 R25

English summary, p.168.

84184 GRAF, H. Zur pharmakologie des vormagen-systemes. *Schweiz. Arch. f. Tierheilk.* 93(spec.no.):35-71. Ref. Apr.1951. 41.8 Sch9

English summary.

84185 GRATZL, E., and MATHOIS, H. Vergleichsprüfungen an im handel erhältlichen östrogenen. *Wien. Tierärztl. Monatsschr.* 38:461-475. Ref. July 1951. 41.8 T345

English summary.

84186 GREWE, H. E., and KREMER, K. Mitteilung über eine intraperitoneale narkose mit barbitursäure-derivaten bei kleintieren. *Berlin. u. Münch. Tierärztl. Wchnschr.* 7:129-131. Ref. July 1951. 41.8 B45

84187 GRUSZECKI, S. Perspective planning of therapeutic institutions. (In Polish.) *Med. Weter.* 7:332-336. (Cont.) May 1951. 41.8 M463

84188 HAAG. Sanierungsaktionen zur verbesserung der animalischen produktion. *Bas-Rhin Agr.* 6:172. Apr.14,1951. 14 B29

Disease control.

84189 HAMMOND, J. The practical use of hormones in animal production. *Gent. Landbhogesch. Meded.* 15:770-787. Ref. Dec.1950. 105.1 G344

84190 HERRICK, J. B. How to use your veterinarian. *Hoard's Dairyman* 96:662. Aug.25,1951. 44.8 H65

84191 HOLZ, J. Erkenntnisse de toxoplasmoseforschung. *Tierärztl. Umschau* 6:287-288. Aug.1951. 41.8 T445

84192 HUGGETT, A. S. G., and WIDDAS, W. F. The relationship between mammalian foetal weight and conception age. *J. Physiol.* 114:306-317. Ref. July 31,1951. 447.8 J82

Sheep fetuses used in tests.

84193 JANISZEWSKI, J. On poisonings with thallium. (In Polish.) *Med. Weter.* 7:396. June 1951. 41.8 M463

84194 JANOWSKI, B. Pasture diseases of animals and preventive methods. (In Polish.) *Med. Weter.* 7:325-329,404-409. May-June 1951. 41.8 M463

84195 JOINT WHO/FAO EXPERT GROUP ON ZOONOSES. Report on the first session, Geneva, 11-16 December 1950. *World Health Organ. Tech. Rpt. Ser.* 40,47 p. May 1951. 449.9 W892T

Includes bovine tuberculosis, Q fever, anthrax, psittacosis, hydatidosis.

Issued also as FAO Agricultural Studies No. 15 (28 F73)

84196 JOINT WHO/FAO EXPERT PANEL ON BRUCELLOSIS. Report on the first session, Washington, D. C., 6-13 November 1950. *World Health Organ. Tech. Rpt. Ser.* 37,34 p. May 1951. 449.9 W892T

Includes transmission to man.

Issued also as FAO Agricultural Studies No. 14 (28 F73)

84197 JONES, T. J. Added livestock interest seen at new Univ. of Ga. Vet. School. *South. Livestock J.* 11:42-43. Aug.1951. 44.8 F66A

84198 KARWAS, S. Rumenotomy and pregnancy. (In Polish.) *Med. Weter.* 7:397. June 1951. 41.8 M463

84199 KENYA. VETERINARY DEPT. Annual report, 1949. *Nairobi*, 1951. 61 p. 41.9 K42

84200 KERSCHBAUM, E. Bemerkungen zur sexualhormontherapie in der veterinärpraxis. *Wien. Tierärztl. Monatsschr.* 38:475-481. Ref. July 1951. 41.8 T345

English summary.

84201 KNAPP, J. V. 7-point program undertaken by [Florida State] Live Stock Sanitary Board. *Fla. Dairy News* 1(3):33. Apr.1951. 44.8 F66

Disease control.

84202 KUCH, G. Seuchenpolizeiliche untersuchung der wiederkäuer mit dem untersuchungstab nach be-zirkstierarzt a d. Kuch/Cham. *Tierärztl. Umschau* 6:289. Aug.1951. 41.8 T445

84203 KUNCAITIS, J., and GALLINO, E. J. Aparición del fenómeno de zona y su eliminación en el sero-diagnóstico de brucelosis. *Arch. de Farm. y Bioquím. del Tucumán* 5:247-262. Ref. 1950. 396.8 Ar24

English summary.

84204 LANDON, L. L. What does the veterinarian expect of the livestockman? *Breeder-Stockman* 13(4):74-76. Sept.1951. 49 V81

Preparations for the veterinarian.

84205 LAPAGE, G. Indian Veterinary Research Institute. Diamond Jubilee Celebrations. *Nature [London]* 168:287. Aug.18,1951. 472 N21

84206 LESNIAK, S. The preparation of calcium gluconate solution under animal hospital conditions. (In Polish.) *Med. Weter.* 7:397. June 1951. 41.8 M463

84207 MCCUTCHEON, F. H. The mammalian breathing mechanism. *J. Cell. & Compar. Physiol.* 37:447-476. Ref. June 1951. 444.8 J822

84208 MCMURRY, T. S. Unique veterinary hospital. *Sowest. Vet.* 4(4):32-33,46. May 1951. 41.8 So82

84209 MACRAE, J. Human infectious diseases associated with animals. *Pub. Health* 64:192-194. July 1951. 449.8 P96

84210 MILLER, W. C. Grazing pastures as factors in the spread of parasitic disease in animals. *Agr. Prog.* 25:77-84. 1950. 10 Ag86

84211 MOINE, G. La lutte contre les maladies infectieuses. *Nord. Agr.* 7(30):5. May 25,1951. 14 N75

84212 MONTTOYA, G. Cuadro estadístico de la producción de sueros y vacunas del año 1945 al 1949. *Inst. Nac. de Biol. Anim. Rev.* 1:52-53. Dec.1950. 442.9 L62R

84213 NANI, S., and VERGATI, A. Contribution to the study of infection experimentally produced by *Trypanosoma evansi*. (In Italian.) *Riv. di Parassitol.* 12:141-154. Ref. July 1951. 436.8 R52

English summary.

84214 NIELSEN, M. The Veterinary Health Council. (In Danish.) *Denmark. Vet. Sundhedsråd. Årsberet.* 1950: III-XXXIX. 1951. 41.9 D412

84215 NIEMANN, R. Unsichtbare strahlungen; aus dem leben eines alten wünschelruten-fachmannes. *Hannoversche Land- u. Forstwirt. Ztg.* 104:205. (Cont.) Mar.3,1951. 18 H194

Effects on livestock.

84216 NIGERIA. VETERINARY DEPT. Annual report for the year 1949-50. *Kaduna*, 1951. 60 p. 41.9 N56

84217 O'DONOGHUE, J. G., and WILTON, G. S. Algal poisoning in Alberta. *Canad. J. Compar. Med.* 15:193-198. Aug.1951. 41.8 C162

Of livestock.

84218 OGILVIE, D. D. Recent advances in chemotherapy related to general practice. *Vet. Rec.* 63:531-534. Aug.18,1951. 41.8 V641

84219 OLSEN, E. M. On eosin methylene blue agar and eosin methylene blue penicillin agar. *Nord. Vetmed.* 3:681-699. Ref. Aug.1951. 41.8 N813

84220 PALS, C. H. The Department of Agriculture veterinarian and his contribution to public health. *Amer. J. Pub. Health* 41:1065-1071. Sept.1951. 449.9 Am3J

84221 PARNAS, J. On the developmental stadia of domestic animals from the immunological point of view. (In Polish.) *Med. Weter.* 7:283-288. Ref. (Cont.) May 1951. 41.8 M463

English summary.

84222 PERENC, A. Mass poisonings of animals with *Ericinus communis* seed cakes. (In Polish.) *Med. Weter.* 7:396-397. June 1951. 41.8 M463

84223 PEREZ VIGUERAS, I. La piroplasmosis en Cuba. *Cuba Canad.* 11:23-25. Ref. Sept.1951. 49 C89

84224 PEREZ Y PEREZ, F. La morfología funcional de las trompas uterinas en las hembras domésticas. *Veterinaria* 15:611-632. Ref. Aug.1951. 41.8 V6429

84225 PILZ, W., and SCHRÖDER, H. Die bakterizide wirkung einiger neuentwickelter desinfektionsmittel und ihre eignung zur eisenbahnviehwagen-desinfektion. *Monatsh. f. Prakt. Tierheilk.* (n.s.)3:113-117. 1951. 41.8 M74

84226 POHL, G. Über die brauchbarkeit von rohmilchzucker und rübenzucker für die diagnostik der bakterien der TPE-gruppe. *Monatsh. f. Vetmed.* 6:274-275. July 15,1951. 41.8 M742

84227 POLSON, A. Effect of diseases on the serum albumin of animals. *Nature [London]* 168:421-422. Sept.8,1951. 472 N21

84228 POTYRA, T. Deficiency diseases of domestic animals. (In Polish.) *Med. Weter.* 7:316-320. May 1951. 41.8 M463

84229 PRESTON SMITH, H. Enfermedades del alpaca. *Inst. Nac. de Biol. Anim. Rev.* 1:10-12. Dec.1950. 442.9 L62R

Septicemia.

- 84230 PRESTON SMITH, H. Organización del Instituto Nacional de Biología Animal. Inst. Nac. de Biol. Anim. Rev. 1:5-9. Dec.1950. 442.9 L62R
- 84231 PROULX, J. R. Effets de l'aureomycine sur la croissance des jeunes animaux. Avicult. Québécois 6(8):6-7. Aug.1951. 47.8 Av55
- 84232 RAMON, G. Les méthodes fondamentales de vaccination. Progrès. Résultats. Ann. de Méd. Vét. 95: 137-186. Ref. May 1951. 41.8 An78
- 84233 ROF CODINA, J. Diagnóstico de la gravidez en el ganado. Cult. Mod. 34:210. June 1951. 15 C89
- 84234 ROSERO S., C. Divulgación pecuaria. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(66):16-25. Apr./June 1951. 9.5 M31
Livestock diseases.
- 84235 ROSSI, P. Apparition de la méliococcie [*Brucella melitensis*] en Saône-et-Loire. Rev. de Path. Compar. 51:123-126. Feb.1951. 448.8 R326
English summary.
- 84236 RYAN, V. H. "Control Lab," its importance for the production of dependable veterinary products. Haver-Glover Messenger 31(9/10):34-36. Sept./Oct. 1951. 41.8 H29
- 84237 SAIZ MORENO, L. Participación veterinaria en la III Reunión de Sanitarios Españoles. B. de Divulg. Ganad. [Ciudad Real] 6(58/60,1.e.61/63):14-20. Apr./June 1951. 49.9 Sp14
- 84238 SANDERS, D. A. Enlarged veterinary research program is essential to growing livestock industry. Fla. Dairy News 1(3):11,35-36. Apr.1951. 44.8 F66
- 84239 SCHELLNER, H. Bericht über die Amerika-reise 1950 zum studium des dortigen veterinärwesens. Tierärztl. Umschau 6:290-292,333-334. (Concl.) Aug.-Sept.1951. 41.8 T445
- 84240 SCHMID, G. 50 Jahre Tierärztliche Fakultät der Universität Bern. Geflügelhof 14:475-476. July 20, 1951. 47.8 G276
- 84241 SCHMID, G. Die veterinärmedizin im dienste des landes. Schweiz. Milchztg. 77:453-454. Aug.31,1951. 44.8 Sch92
- 84242 SCHMID, L., and MICHL, H. Über ein antigen von *Brucella abortus* Bang. 2. Monatsh. f. Chem. 82:271-279. Ref. Apr.15,1951. 384 M74
- 84243 SCHNEIDER, B. Ein beitrag zur diagnose der maul- und klauenseuche beim menschen. Berlin, u. Münch. Tierärztl. Wchnschr. 7:131-133. Ref. July 1951. 41.8 B45
- 84244 SHAPIRO, A. I.A., comp. Veterinarnyi entsiklopedicheski slovar [Veterinary encyclopedic dictionary], v. 1. Moskva, Gos. Izd-vo Selkhoz Lit-ry, 1950. 638 p. 41 Sh23V
- 84245 SHOSHAN, A. Nerium oleander as a poisonous plant. (In Hebrew.) Refuah Vet. 8:43-44. May 1951. 41.8 R25
English summary, p. 54.
- 84246 SHRODE, R. R. Genetics and the veterinarian. Sowest. Vet. 4(4):10,46. May 1951. 41.8 So82
- 84247 SIMONNET, H., and LE BARS, H. Incidences hormonales sur les productions animales. Gent. Landb-hogesch. Meded. 15:721-766. Ref. Dec.1950. 105.1 G344
- 84248 SMITH, H. A. Summary of lesions of importance in differential diagnosis of the diseases of domesticated animals. Sowest. Vet. 4(4):11-13. May 1951. 41.8 So82
- 84249 SOBIECH, T. Professional diseases of veterinary surgeons. (In Polish.) Med. Weter. 7:414-418. Ref. June 1951. 41.8 M463
- 84250 SOKOLOV, E. A. Biological importance of respiratory metabolism [in animals]. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):65-68. Jan./Feb. 1951. 49 K14
- 84251 SOUTHERN RHODESIA. DIRECTOR OF VETERINARY SERV. Report, 1949. Salisbury, 1950. 19 p. 41.9 So823
- 84252 STAMM, G. W. Veterinary guide for farmers, edited by D. S. Burch. Ed. 2. Chicago, Windsor Press, 1951. 384 p. 41 St29
- 84253 STÖCKL, W. Die klinische bedeutung der Thormälenreaktion. Wien. Tierärztl. Monatsschr. 38: 436-440. Ref. July 1951. 41.8 T345
English summary.
Urine tests for herbivorous animals.
- 84254 STUNZI, H. Zur pathologie der vormägen der wiederkäufer. Schweiz. Arch. f. Tierheilk. 93(spec.no.) 28-35. Apr.1951. 41.8 Sch9
English summary.
- 84255 TANGANYIKA. DEPT. OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY. Annual report. Dar Es Salaam, 1950. 23 p. 41.9 T15
- 84256 TINDALL, C. Danger! Livestock bloat. Mo. Rur. 92(14):4-5. July 28,1951. 6 R8891
- 84257 TKACZOW, S. Tasks of the veterinary and zootechny service in 1951. (In Polish.) Med. Weter. 7: 281-282. May 1951. 41.8 M463
- 84258 TODD, F. A. The public health veterinarian in national defense. Amer. J. Pub. Health 41:1059-1064. Ref. Sept.1951. 449.9 Am3J
- 84259 U. S. DEPT. OF AGRICULTURE. Index-catalogue of medical and veterinary zoology. 14. Authors: S to Shweig, by A. Hassall, M. A. Doss, and J. M. Humphrey. Washington, 1951. p.4349-4676. 1 An5nd
- 84260 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Progress in brucellosis control, by B. T. Simms, A. K. Kuttler, and M. E. Bliss. Washington, 1951. 4 p. 1.914 R2R11
- 84261 VASKO, J. R. Orthopedic methods applicable to veterinary surgery. Calif. Vet. 4(6):22. July/Aug. 1951. 41.8 C12
- 84262 VERGARA O., J. E. Como se realiza un diagnóstico en el Instituto Nacional de Biología Animal. Inst. Nac. de Biol. Anim. Rev. 1:39-51. Dec.1950. 442.9 L62R
Peru.
- 84263 WILKINS, H. F. Livestock preventive medicine. Mont. Stockgrower 23(6):8-10. June 15,1951. 49 M76
- 84264 WILSON, S. G. An experimental study of East Coast fever in Uganda. III-IV. Parasitology 41:23-45. July 1951. 448.8 P21
- III, A study of the East Coast fever reactions produced when infected ticks 31 days old are fed on susceptible calves in limited numbers over a period of 3 weeks, p.23-35; IV, A study of the East Coast fever reactions produced when infected ticks 171 days old were fed on susceptible calves in limited numbers over a period of 3 weeks, p.36-45.
- 84265 WION, J. E. Technique for continuous intravenous infusion in large animals. Amer. Vet. Med. Assoc. J. 119:201-202. Sept.1951. 41.8 Am3
- 84266 ZAVAGLI, V. Comparative research on Q fever in Italy. (In Italian.) Zooprofilassi 6:270-276. July 1951. 41.8 Z72
French summary.
- 84267 ZLOTNIK, I. Cytological and histological changes in virus diseases. (In Hebrew.) Refuah Vet. 7: 136-143. Dec.1950. 41.8 R25
English summary, p.168-166.

MISCELLANEOUS

- 84268 ALVAREZ, M. Contribución al estudio de la ganadería en el Distrito Torres, Estado Lara. Agro [El Valle] 5(15):49-65. (Cont.) Nov./Dec.1950. 9.95 Ag83
- 84269 BACHNER. Wirtschaftsberatung und leistungsprüfung. Tierzüchter 3:429-430. Aug.5,1951. 49 T445
- 84270 BENEZRA, M. V. Proyecto para el Departamento de Producción Animal. Agro [El Valle] 5(15):33-37. Nov./Dec.1950. 9.95 Ag83
Proposal for the organization of such a department within the Facultad de Ingeniería Agronómica of the Universidad Central de Venezuela.
- 84271 CALIFORNIA STATE AGRICULTURAL SOCIETY. Official livestock catalog, California State Fair, Sacramento, August 30-September 9, 1951. Sacramento, 1951. 244 p. 40.06 C12
- 84272 ESPESO DEL POZO, G. La epopeya de España en América. II. Ganadería [Madrid] 9:291-294. June 1951. 49 G15
- 84273 EUGSTER, H., and NADAI, J. Höhenwirkung, alping und aufzucht. Grüne 79:743-754. July 6,1951. 17 Sch9
Livestock industry.
- 84274 FERRARI, E. Livestock showing at the Milan fair. (In Italian.) Riv. di Zootec. 24:203-205. June 1951. 49 R52
- 84275 GAY, C. W. Livestock capsheafs nation's farming. Shorthorn World 36(10):40,430-432. Aug.10, 1951. 43.8 Sh8
- 84276 GILL, L. Brands—the heraldry of the West. Mont. Farmer—Stockman, Aug.1,1951:43. 6 M764

- 84277 HANKIN, T. H. Quarantine. Austral. Vet. J. 27: 112-118. May 1951. 41.8 Au72
Includes discussion.
New Zealand.
- 84279 HERING, W. Tiere oder maschinen? Eine kritische betrachtung der tierschau der DLG-Ausstellung 1951. Bauern-Ztg. 4(24):6. (Concl.) June 15, 1951. 18 B324
- 84279 INSTITUTE OF INSPECTORS OF STOCK OF NEW SOUTH WALES. Year book 1950. Westmead, 1950. 120 p. 41.9 In73
- 84280 JORDANO BAREA, D. La clasificación decimal zootécnica. B. de Zootec. 7:69-82, 141-145, 187-192. (Cont.) Mar. 1, May 1-June 1, 1951. 41.9 So16
- 84281 KNOX, R. G. A fair is a show window for producers. Shorthorn World 36(11):7-8, 52-53. Aug. 25, 1951. 43.8 Sh8
Livestock.
- 84282 KNOX, R. G. The relationship between show ring standards and commercial live stock. Canad. J. Compar. Med. 15:186-192. Aug. 1951. 41.8 C162
- 84283 LIEBERMAN, J. Especies animales que son útiles a la agricultura. Tractorista 4(19):4-5. May 1951. 58.8 T676
Chile.
- 84284 MARTÍANOV, F. M. On achievements of zoo-technical science in our native country. (In Russian.) Vsesoyuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy 1:17-32. 1950. 389.79 D85
- 84285 MESSERSCHMIDT, H. Royal-show 1951. Tierzüchter 3:452-455. Aug. 20, 1951. 49 T445
Livestock.
- 84286 MISSOURI DEPT. OF AGRICULTURE. Missouri livestock by counties, 1951. Jefferson City, 1951. 13 p. 49.9 M69
Statistics.
- 84287 NEW ZEALAND DEPT. OF AGRICULTURE. ANIMAL RESEARCH DIV. Annual report 1949-50. Wellington, 1951. 52 p. 49.9 N484A
Includes apiculture.
- 84288 OTTO, L. Was fand der kleintierzüchter auf der grossen Pariser landwirtschaftsausstellung? Deut. Wirtgeflügelzucht. 3:368. May 5, 1951. 47.8 D483
Livestock.
- 84289 PEELE, O. Southeast swinging to Berkshires and livestock farming. Berkshire News 16(11):6, 27, 37. Sept. 1951. 46.8 B454
- 84290 PITZER, H. Probleme der österreichischen tierzucht—einmal anders gesehen. Pflug 4:75-77. Apr. 1951. 19 P48
- 84291 SANCHEZ BELDA, A. Identificación animal. Spain. Min. de Agr. Serv. de Capacitación y Propag. P. Manuales Téc. 11, 113 p. Ref. 1950. 15 Sp14
- 84292 SHOSHAN, A. Man and animals in ancient Hebrew literature. 13. Animals in prose and poetry. (In Hebrew.) Refuah Vet. 7:149-151. Dec. 1950. 41.8 R25
- 84293 SHOSHAN, A. Man and animals in the homeland. I-II. (In Hebrew.) Refuah Vet. 8:18-19, 44-46. Feb.-May 1951. 41.8 R25
English summary, pt. II, p. 53.
- 84294 SPAGNOLI, A. Butchering livestock in Italy. (In Italian.) Riv. di Zootec. 24:123-128. Apr. 1951. 49 R52
- 84295 TORREIRO, R. Ante una nueva exposición ganadera. Pampa Argentina 24(282):24-25. June 1951. 9 P19
- 84296 UTTAR PRADESH. ANIMAL HUSBANDRY DEPT. Annual report for the year 1948-49. Allahabad, 1950. 61 p. 49.9 Un33
- 84297 WARD, N. Louisiana livestockmen fight rustling with brand inspection. Breeder-Stockman 13(4):53-55. Sept. 1951. 49 V81
- 84298 WINNIGSTEDT, R. Der helfer des bauern in der leistungszucht. Tierzüchter 3:413-414. Aug. 5, 1951. 49 T445
- 84299 WOLTERECK, H. Können tiere denken? Neue antworten der wissenschaft auf eine alte frage. Landfrau 6(15):11. July 21, 1951. 18 L2337
- 84302 ALVES, N. G. The Brown Swiss breed. (In Portuguese.) Agr. e Pecuária 22(332):34, 38. May 1951. 9.2 Ag89
- 84303 AMERICAN JERSEY CATTLE CLUB. Annual report—fiscal year 1950-1951. Columbus, 1951. 107 p. 43.9 Am36P
- 84304 AMERICAN JERSEY CATTLE CLUB. Herd improvement through breeding programs. Jersey B. 70: 1284-1285, 1330-1332, 1334-1335. (Concl.) Sept. 10, 1951. 43.8 J48
- 84305 ARNOLD, R. L. On your seed depends the harvest. Shorthorn World 36(10):39-40, 433-434. Aug. 10, 1951. 43.8 Sh8
Beef cattle breeding.
- 84306 AVANZA, L. Esterilidad en vacas lecheras. Rev. Ganad. [Habana] 11(8):11-14, 53-54. Aug. 1951. 49 R321
- 84307 AYRSHIRE CATTLE HERD BOOK SOCIETY OF GT. BRIT. AND IRELAND. Herd book, containing pedigrees of females and males of the Ayrshire breed, v. 73, 1948. Ayr, 1950. 2 v. 43.9 Ay74
- 84308 BAARDSETH, K. Current problems in connection with keeping of bulls. (In Norwegian.) (Excerpts.) Landbruks Tidende 57:250-251. Mar. 28, 1951. 11 L236
Bull associations.
Also in Norsk Landbr. 17:133-134. Mar. 30, 1951. 11 N8122
- 84309 BAKER, M. L., BLUNN, C. T., and PLUM, M. "Dwarfism" in Aberdeen-Angus cattle. J. Hered. 42: 141-143. May/June 1951. 44.2 Am3
- 84310 BAUM, C. H. Building around Polled Shorthorns. Shorthorn World 36(10):363, 454. Aug. 10, 1951. 43.8 Sh8
- 84311 BELLONI, A. Dairy cattle and artificial insemination. (In Italian.) Agr. del Polesine 3:53. Apr. 1951. 16 Ag8222
- 84312 BERTL, H. Verbesserung des murboodner-rindes durch kreuzungszucht. Landwirtschaft 15/16:27-230. Aug. 1951. 19 L235
Austria.
- 84313 BONSMMA, J. C. The way to a higher calving percentage; influence of equinoxes on conception rates under cattle ranching conditions; advantages of two breeding seasons. Farmer's Wk. [Bloemfontein] 81:10-11, 13. Aug. 1, 1951. 24 F225
- 84314 BREEDERS' REGISTER. The breeders' register, national directory of purebred breeders, v. 5. Coin, Iowa, 1950. 208 p. 225 B74
Description of breeds and directory of breeders of beef cattle and swine.
- 84315 BUCKMASTER, T. Keep your sights lifted. Shorthorn World 36(10):238-240. Aug. 10, 1951. 43.8 Sh8
Shorthorn cattle.
- 84316 CHANT, B. Keeping it in the family; an account of how the Waterston herd of Guernseys traces back to one cow. Farmer & Stock-Breeder 65(3224):65. Aug. 7, 1951. 10 F228
- 84317 CHURCH, J. R. Relax and live; there is pleasure, profit and great satisfaction in owning good Herefords. Amer. Hereford J. 42(9):36. Sept. 1, 1951. 43.8 Am32
- 84318 CLODFELTER, G. I. Practical purebred cattle management. Shorthorn World 36(10):379, 445-447. Aug. 10, 1951. 43.8 Sh8
Polled Shorthorns.
- 84319 COBB, W. T. Heredity and environment. Shorthorn World 36(10):241-244. Aug. 10, 1951. 43.8 Sh8
Beef cattle breeding in the Southern States.
- 84320 COCHEL, W. A. What makes popular bloodlines? Evaluating pedigrees. Shorthorn World 36(10): 115-116. Aug. 10, 1951. 43.8 Sh8
- 84321 CORKLE, C. Homeland of the Herefords. Amer. Hereford J. 42(10):12-13, 110. Sept. 15, 1951. 43.8 Am32
Herefords in England, Wales, Ireland and Scotland.
- 84322 CORREA, V. New horizons are opened to cattle of the Minas Gerais area through artificial insemination. (In Portuguese.) Rev. dos Criadores 22:5-8, 36. Jan. 1951. 43.8 R32
- 84323 COSSETTE, M. L'insémination artificielle des bovins. B. des Agr. 47(5):12-13, 61-62. May 1951. 7 B872
- 84324 CREECH, B. F. F. Promoting beef cow and calf program. Shorthorn World 36(12):50, 59. Sept. 10, 1951. 43.8 Sh8
West Virginia.
- 84325 CRUICKSHANK, W. Presenting the [Shorthorn] herd to best advantage. Shorthorn World 36(11):15. Aug. 25, 1951. 43.8 Sh8

CATTLE

Breeds and Breeding

- 84300 ALMQUIST, J. O. A comparison of penicillin, streptomycin and sulfanilamide for improving the fertility of semen from bulls of low fertility. J. Dairy Sci. 34: 819-822. Aug. 1951. 44.8 J822
- 84301 ALMQUIST, J. O. The fertility of bovine semen in diluters containing varying amounts of egg yolk. J. Dairy Sci. 34:763-766. Aug. 1951. 44.8 J822

- 84326 DARLOW, A. E. What qualifies a bull for greatness? *Shorthorn World* 36(10):63. Aug. 10, 1951. 43.8 Sh8
- 84327 DOMINGUES, O. Dairy cattle for Brazil. (In Portuguese.) *Seleg. Agr.* 6(63):25-26. July 1951. 9.2 Se4
Breeds.
- 84328 DUCK, R. W. Artificial breeding is big business. *Rur. New-Yorker* 101:551,565. Sept. 15, 1951. 6 R88
Cattle breeding.
- 84329 DUCK, R. W. Through the seasons with the beef breeding herd. *Rur. New-Yorker* 101:511,536. Sept. 1, 1951. 6 R88
- 84330 EBNER, R. Polled Shorthorn advantages. *Shorthorn World* 36(10):362,456-457. Aug. 10, 1951. 43.8 Sh8
- 84331 EIKELBOOM, H. Artificial insemination in Holland. (In Dutch.) *Stamboeker* 33:93-94. Aug. 2, 1951. 43.8 V58
Cattle.
- 84332 ERB, R. E., and others. The relation of simple semen quality tests to fertilizing capacity of bull semen. *Wash. Agr. Expt. Sta. Tech. B.* 2,52 p. Ref. Dec. 1950. 100 W27T
M. H. Ehlers, L. Mikota, and E. Schwarz, joint authors.
- 84333 ERB, R. E. What is a breeding program? *Wash. Farmer* 76:578. Aug. 16, 1951. 6 R151
Dairy cattle breeding.
- 84334 FERRELL, F. M. Follow these basic principles to breed cattle without horns. *Farmer-Stockman* 54(8):50-51. Aug. 1951. 6 Ok45
- 84335 FIORITO, A. Brown Swiss cattle in Pusteria Valley. (In Italian.) *Allevatore* 7(23):3. June 10, 1951. 49 AL55
- 84336 FOLLONI, A. Report of the 2d National Show of Selected Cattle of the Romagnola Breed held at Forlì, June 9 and 10, 1951. (In Italian.) *Agr. Romagn.* 14:3. July 20, 1951. 16 Ag828
- 84337 FORBES, R. C. What makes Shorthorns tick? *Shorthorn World* 36(10):274-277. Aug. 10, 1951. 43.8 Sh8
- 84338 FRYE, J. B., JR. Review of artificial breeding programs in the Southern States. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:90. 1951. 4 C82
Cattle.
- 84339 GASSNER. Zweckmässige haltung der zuchtstiere auf den bäuerlichen betrieblen! *Allgäuer Bauernbl.* 19:411. Aug. 2, 1951. 18 AL53
- 84340 GAYDEN, H. Advance of Brahman cattle in the South. *Prog. Farmer, Tex. Ed.* 66(9):66-67. Sept. 1951. 6 T311
- 84341 GAYDEN, H. Western Brahman—they're making steady gains. *West. Livestock J.* 29(43):35,90. July 15, 1951. 6 F2278
- 84342 GERVY, R. Insémination artificielle et amélioration des herbages. *Nord. Agr.* 7(30):4. May 25, 1951. 14 N75
For French cattle.
- 84343 GIULIANI, R. Dairy cattle breeds in relation to functional control in the United States. (In Italian.) *Riv. di Zootec.* 24:209-217. July 1951. 49 R52
Descriptions and production records of the leading breeds: Holstein-Friesian, Brown Swiss, Ayrshire, Guernsey, and Jersey.
- 84344 GOBBLE, C. F. The herd—the basic unit. *Shorthorn World* 36(10):298-299. Aug. 10, 1951. 43.8 Sh8
A study of Shorthorn winners of 1950.
- 84345 GODLEY, W. C., and STEWART, H. A. A comparison of two Hereford bulls to grade Hereford cows. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:81. 1951. 4 C82
- 84346 GRIFFIN, D. W. A new era in the South. *Shorthorn World* 36(10):248-250. Aug. 10, 1951. 43.8 Sh8
Raising Shorthorns.
- 84347 GROVE, R. Fighting bulls. *Farm Q.* 6(3):62-65, 104, 106. Autumn 1951. 6 F22995
Raising fighting bulls.
- 84348 GROVES, P. K. A knowledge of rules is important to beginners. *Shorthorn World* 36(10):133-134. Aug. 10, 1951. 43.8 Sh8
For pedigreed cattle.
- 84349 GUERIN, B. C. DE. Gossip from old Guernsey Island. *Guernsey Breeders' J.* [Peterborough] 83:229-231. Sept. 15, 1951. 43.8 G93
- 84350 HAAG. Die rheinische Schwarzbuntzucht auf der DLG-Schau. *Landwirt. Z. der Nord-Rheinprov.* 118:525. June 16, 1951. 18 L2344
- 84351 HALPIN, J. "Operation postcard"; New York dairy farmers, 2,700 of them, are pooling their experiences with fertility and sterility problems of dairy cattle. *Hoard's Dairyman* 96:640,657. Aug. 25, 1951. 44.8 H65
- 84352 HARDY, W. J. Ganado lechero Shorthorn. *Hacienda* 46(9):54. Sept. 1951. 6 H11
- 84353 HARMSEN, W. L. Cattle inspection at Walcheren. (In Dutch.) *Zeeuwisch Landtbl.* 39(2081):6. July 28, 1951. 12 Z2
Judging of bulls.
- 84354 HARPER, E. F. My responsibility as a breeder. *Shorthorn World* 36(10):146,149. Aug. 10, 1951. 43.8 Sh8
- 84355 HARRIS, J. Great dairy breeds: the Ayrshire. (In Italian.) *Gior. di Agr.* 61:241. Aug. 5, 1951. 16 It1G
- 84356 HARRIS, J. Prized cattle breeds: the high quality of the Scottish Shorthorn. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 4(60):5-6. Aug. 18, 1951. 281.8 Ag3
- 84357 HARRIS, J. Los Shorthorns escoceses, una casta magnífica para la producción de carne. *Ceres [Valladolid]* 16(181):7,9. June 1, 1951. 15 C33
- 84358 HARTUNG, A. M. Evolution: a new cross-bred bovine. *Ranchman* 11(5):26,28. Sept. 1951. 49 R15
Brahman cattle x buffalo.
- 84359 HAUMONT, F. J. The perfect combination. *Shorthorn World* 36(10):417-420. Aug. 10, 1951. 43.8 Sh8
Polled Shorthorns.
- 84360 HELLBUSCH, C. E. How do you rate as a bull buyer? This cowman finds that top bulls are the payoff. *West. Livestock J.* 29(43):42,91,93,95-96. July 15, 1951. 6 F2278
- 84361 HENDERSON, E. R. Have a sound breeding program. *Shorthorn World* 36(10):295-297. Aug. 10, 1951. 43.8 Sh8
- 84362 HENDERSON, E. R. The need for continuous herd improvement. *Shorthorn World* 36(10):136-137. Aug. 10, 1951. 43.8 Sh8
- 84363 HERMAN, H. A. El mantenimiento en servicio de toros viejos. *Agrario* 15(424):7-10. May 1951. 9.3 Ag85
Care and feeding.
- 84364 HIBBERD, D. Breed the beef on and the horns off. *West. Livestock J.* 29(48):46,52. Aug. 15, 1951. 6 F2278
Polled Herefords.
- 84365 HIGGINS, F. H. These Charbray cattle beat the heat. *Calif. Farmer, North. Ed.* 195:118. Aug. 11, 1951. 6 C126
- 84366 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Annual report for fiscal year 1950. *Brattleboro*, 1951. 48 p. 43.9 H74C
- 84367 HOPKINS, A. G. Heredity and environment important. *Shorthorn World* 36(10):208-210. Aug. 10, 1951. 43.8 Sh8
In Shorthorn production.
- 84368 IMBRICI, D. The agricultural and zootechnical farm of the Technical Agrarian Institute of Cerignola and the breeding of Carnation [Holstein-Friesian] cattle. (In Italian.) *Riv. di Zootec.* 24:93-94. Mar. 1951. 49 R52
- 84369 JOHNSTON, R. R., JR. New South likes Polled Shorthorns. *Shorthorn World* 36(10):404-407. Aug. 10, 1951. 43.8 Sh8
- 84370 JONES, E. E. Longhorn cattle. *Farm & Ranch-South. Agr. Upper So. Ed.* 81(9):12. Sept. 1951. 6 T31
- 84371 KEATLEY, V. B. The Brahman picture in Arizona; crossbreds raised, fattened in State make a big change in beef production. *West. Livestock J.* 29(43):41, 84, 87, 89. July 15, 1951. 6 F2278
- 84372 KINGMAN, H. E. How prolific is your cow herd. *Breeder-Stockman* 13(4):16-17. Sept. 1951. 49 V81
- 84373 KNOX, R. G. Make your farm and herd a demonstration in husbandry. *Shorthorn World* 36(10):85, 323-325. Aug. 10, 1951. 43.8 Sh8
- 84374 KÖNIG, K. Schädigt die moderne leistungszucht die lebenskraft unserer rinderbestände? *Allgäuer Bauernbl.* 19:325-327. June 14, 1951. 18 AL53
- 84375 KYGER, F. A. Shorthorns symbolize peace aims. *Shorthorn World* 36(12):12,74-78. Sept. 10, 1951. 43.8 Sh8
- 84376 LAJOIE, H. Programme Holstein 1951. *Digeste de l'Eleveur* 5(10):26-29. June 1951. 49 D66
- 84377 LAMB, L. W. Scientific herd sire selection. *Amer. Dairy Cattle Club. Herd Builder* 11(5):3,5,7. May 1951. 43.9 Am323H

- 84378 LANGLET, J. Ostfrieslands familienausstellung in Hamburg 1951 ein beispiel angewandter vererbungslehre. Kontrollangestellte, p.1-2. In Unser Milchvieh 3(7): July 1951. 43.8 Un7
- 84379 LANGLET, J. Verein Ostfriesischer Stammviehzüchter auf der DLG-Schau. Hannoversche Land- u. Forstwirt. Ztg. 104:586. June 23, 1951. 18 H194
- 84380 LARUE, P. Insémination des vaches. Prog. Agr. et Vitic. 136:131-132. Aug.19/26, 1951. 14 P94
- 84381 LAURANS, R. Die gefahren der künstlichen besamung. Allgäuer Bauernbl. 19:328-329. June 14, 1951. 18 AL53
- Cattle.
- 84382 LAWAETZ, L. Judging livestock shows. (In Danish.) Dansk Landbr. 70:167-168. Apr.5, 1951. 280.28 V91
- Red Danish cattle.
- 84383 LIEBERG, N. The elite cow. (In Swedish.) Ladugården 7:208. July 1951. 44.8 L12
- 84384 LOESING. Die Herdbuchgesellschaft Mittelweser auf der DLG-Schau Hamburg. Hannoversche Land- u. Forstwirt. Ztg. 104:612. June 30, 1951. 18 H194
- 84385 LOVE, R. With a roaming bull you can't control milk production. Sealtest Dairyman 5(4):8. July/Aug. 1951. 44.8 Se1
- Breeding program and records.
- 84386 LÜPS, P. Die entwicklung der künstlichen rinderbesamung in Bayern. Landwirt. Jahrb. f. Bayern 28(5/6):30-85. Ref. May/June 1951. 18 L24
- 84387 MCCARTHY, D. Herefords—the beef breed supreme. Ariz. Cattlelog 6(9):2-6. May 1951. 43.8 Ar42
- 84388 MCCOLLISTER, W. L. Long live the Shorthorn! Shorthorn World 36(10):189-191. Aug.10, 1951. 43.8 Sh8
- 84389 MCGREW, C. D. Field problems as seen by an extension dairy husbandman. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:1-2. 1950. 44.9 Oh35M
- Problems of breeding and milk production by cows.
- 84390 MADSEN, A. Selection of bulls. (In Norwegian.) Landbrukstidende 57:325-326. Apr.25, 1951. 11 L236
- 84391 MARLOWE, T. J., and STEWART, H. A. A comparison of Africander, Brahman and Hereford bulls on grade Hereford cows. (Abs.) Assoc. South. Agr. Workers. Proc. 48:82-83. 1951. 4 C82
- 84392 MARSON, T. B. The Scotch Shorthorn. Shorthorn World 36(10):104-107. Aug.10, 1951. 43.8 Sh8
- 84393 MARTIN, R. G. Joint cattle registrations for Cuban Zebu breeders. Zebu J. 2(12):8-9. May 1951. 43.8 Z12
- 84394 MARTIN, R. G. PAZA selection magnifies Brahman values. Zebu J. 3(1):8-9, 35. June 1951. 43.8 Z12
- 84395 MEREGALLI, A. The results of morphological and functional selection of Brown Swiss cattle in the mountain regions of Lombardy and future prospects. (In Italian.) Riv. di Zootec. 24:88-92. Mar.1951. 49 R52
- 84396 MILLER, H. J. The road to mediocrity may be avoided. Shorthorn World 36(10):334-337. Aug.10, 1951. 43.8 Sh8
- Breeding Shorthorns.
- 84397 MILLER, L. Aberdeen-Angus breeders form local groups for mutual benefit. Livestock Wk. 5(34):9. July 28, 1951. 49 L753
- 84398 MILLER, M. Angus progress in the Southwest. Tex. Livestock J. 10(7):21-22. July 1951. 49 T29
- 84399 MIRANDA, W. C. Artificial insemination of cattle. (In Portuguese.) Soc. Rur. Bras. Rev. 31(367):24-26. June 1951. 9.2 B733
- 84400 MORGAN, J. A better herd in five years. Sealtest Dairyman 5(4):2. July/Aug.1951. 44.8 Se1
- 84401 MURARI, T. Problem of breeding bulls in the Indian Union. Allahabad Farmer 25:98-102. May 1951. 22 AL5
- 84402 NASCIMENTO, C. B. Artificial insemination in the control of herds. (In Portuguese.) Seleç. Agr. 6(63):63-64. July 1951. 9.2 Se4
- Cattle.
- 84403 ODLUM, G. Catch 'em alive. Farmers Wk. [London] 35(4):53. July 27, 1951. 10 F2226
- Reviews the Milk Marketing Board bull progeny report.
- 84404 OUELLET, A. L'insémination artificielle et le marché des taureaux. Digeste de l'Eleveur 5(9):7-10. May 1951. 49 D56
- 84405 OUELLET, A. Le Livre d'Elite des taureaux laitiers. Digeste de l'Eleveur 5(11):20-21. July 1951. 49 D56
- 84406 OUR LITTLE inquiry: our cattle breeds. (In Norwegian.) Landbrukstidende 57:283-286. Apr.11, 1951. 11 L236
- A panel discussion by A. Bjelland and others.
- 84407 PAPP, E. Progreso y futuro de la inseminación artificial en el ganado vacuno. Holstein Colomb. 6(30):13-18. Apr.1951. 43.8 H744
- 84408 PASSERINI, C. Italian and foreign strains of Brown Swiss cattle. (In Italian.) (Excerpts.) Allevatore 7(20):3. May 20, 1951. 49 AL55
- 84409 PEDIGLIERI, V., PETRUCCI, E., and MASSARA, O. Ethnic composition of the Italian cattle population as of December 31, 1947. (In Italian.) Ann. della Sper. Agr. (n.s.)5(4,sup.):I-XLIV. 1951. 16 An76
- English summary.
- 84410 RED POLL CATTLE CLUB OF AMERICA. 1951 Red Poll Breeders' directory. Lincoln? 1951? 62 p. 225 R242
- 84411 RICE, V. A. How important is the brood cow? Rur. New-Yorker 101:510,515. Sept.1, 1951. 6 R88
- 84412 RICE, V. A. The seed ye sow. Shorthorn World 36(10):77,302-306. Aug.10, 1951. 43.8 Sh8
- Breeding Shorthorns.
- 84413 RICHARDS, F. Aberdeen-Angus move ahead. N. Mex. Stockman 16(9):80-81. Sept.1951. 49 N462
- 84414 RINGLER. Das deutsche rinderleistungsbuch und die Allgäuer Herdbuchgesellschaft kaufbeuren. Allgäuer Bauernbl. 19:375. July 12, 1951. 18 AL53
- 84415 ROLLINGSON, D. H. L. Fructose estimation and fructolysis of abnormal semen: results obtained in the field. Vet. Rec. 63:548-552. Ref. Aug.25, 1951. 41.8 V641
- Bulls.
- 84416 RUPP, R. G. Good bulls are good gainers; calfhood feedlot tests are proving a valuable aid in picking future herd bulls that will sire fast-gaining offspring. Farmer [St. Paul] Gen. Ed. 68(16):6. Aug.18, 1951. 6 F2211
- 84417 RUSSELL, H. G. What study is advisable before I invest in purebreds? Shorthorn World 36(10):111-112. Aug.10, 1951. 43.8 Sh8
- 84418 SAELAND, J. Norwegian or foreign influence in livestock breeding. (In Norwegian.) Norsk Landbr. 17:170-171. Apr.27, 1951. 11 N8122
- Reply by K. S. Aasmundstad, p. 193-194. May 11, 1951. Cattle and sheep.
- 84419 SCAPPINI, M. Economic advantages of artificial insemination. (In Italian.) Agr. del Polesine 3:83-85. June 1951. 16 Ag8222
- 84420 SCHAUS, R. Half a century of Polled-Herefords. West. Livestock J. 29(48):36,53-54,58. Aug.15, 1951. 6 F2278
- 84421 SCHIMMELPFENNIG. Die Oldenburger Herdbuchgesellschaft auf der DLG-Schau. Hannoversche Land- u. Forstwirt. Ztg. 104:613. June 30, 1951. 18 H194
- 84422 SCHWEIZERISCHER BRAUNVIEHZUCHTVERBAND. Bericht über das geschäftsjahr 1950. Schweiz. Viehzuchtverband. Mitt. 3:93-105. Aug.1951. 9.9 Sch93M
- 84423 SHEETS, E. W. Stockmen want factual information. Shorthorn World 36(10):46,442. Aug.10, 1951. 43.8 Sh8
- Breeding with better purebred bulls results in better beef.
- 84424 SIGG, D. Start with a plan in mind. Shorthorn World 36(10):387-388,402. Aug.10, 1951. 43.8 Sh8
- Polled Shorthorns are recommended.
- 84425 SIXTENSSON, S. The 149th auction of bulls by the Breeding Association of Swedish Red and White Cattle. (In Swedish.) Lantmannen 35:285-286. Apr.7, 1951. 11 L234
- 84426 SMALSTIG, F. W., and SMALSTIG, F. E. The world's greatest beef market. Shorthorn World 36(10):396-401. Aug.10, 1951. 43.8 Sh8
- There is a market for Polled Shorthorns in the East.
- 84427 SOMMER, O. A. Biologische und wirtschaftliche betrachtungen zur frage des zuchtzieles und der leistungssteigerung in unserer hohenfleckviehzucht. Tierzüchter 3:445-446. Aug.20, 1951. 49 T445
- 84428 TESTON, A. Bulls for improving the stock operating in the Polesine artificial insemination centers. (In Italian.) Agr. del Polesine 3:99-100. July 1951. 16 Ag8222

- 84429 THIEMAN, H. W. Enlarge your herd—increase your profits. *Shorthorn World* 36(10):361,458-459. Aug.10,1951. 43.8 Sh8
Polled Shorthorns.
- 84430 THOMAS, V. Our Shorthorns must show a profit. *Shorthorn World* 36(10):42,436-438. Aug.10,1951. 43.8 Sh8
Farm management.
- 84431 THOMSON, M. New beef cattle breed introduced into Australia. *Meat Trades' J.* 143:430,432. Aug.23,1951. 50.8 M46
Scottish Galloway.
- 84432 THORAUSSCH. Die entwicklung der künstlichen oesamung im nordbayerischen raum. *Milcherzeuger* 9: 25-27. Aug.1951. 43.8 M592
Cattle.
- 84433 TILREM, H. Ayrshire breeding in Finland. (In Norwegian.) *Landbrukstidende* 57:43-45. Jan.17,1951. 11 L236
- 84434 TOMHAVE, W. H. The role of the purebred breeder. *Shorthorn World* 36(10):83,338-339. Aug.10, 1951. 43.8 Sh8
- 84435 TOMSON, C. K. Shorthorn range bull project attracts widespread attention. *Shorthorn World* 36(12): 10-11. Sept.10,1951. 43.8 Sh8
Nebraska.
- 84436 TOMSON, C. K. We need more volume. *Shorthorn World* 36(10):192-194. Aug.10,1951. 43.8 Sh8
Shorthorn production.
- 84437 TORNEDE. Das deutsche Rotvieh in Hamburg 1951. *Tierzüchter* 3:455-456. Aug.20,1951. 49 T445
- 84438 WARD, A. H. Breeding for high production. (Extracts.) *Canad. Ayrshire Rev.* 32:107-109. Aug.1951. 43.8 Ay72
- 84439 WATHERSTON, R. H. When it began. *Scotch Shorthorn Rec.*, June 1951:1-2. 43.8 Sco3
- 84440 WINTERS, L. M. Breeding Shorthorns is a science. *Shorthorn World* 36(10):83,307-310. Aug.10, 1951. 43.8 Sh8
- 84441 YULE, J. C. The selection of a herd sire. *Shorthorn World* 36(10):47,444. Aug.10,1951. 43.8 Sh8
- 84442 ZETTLER. Wie steht es um die fleckviehzucht in Nordbaden? *Bauern-Ztg.* 4(25):4. June 22,1951. 18 B324
- Feeds and Feeding
- 84443 AGENJO CECILIA, C. La calidad de los productos lácteos. *Cult. Mod.* 34:177-178. May 1951. 15 C89
Effect of feeding.
- 84444 AMERICAN GUERNSEY CATTLE CLUB. Panel discussion. I-II. Feeding the calf, the heifer, the cow. *Guernsey Breeders' J.* [Peterborough] 83:13-17, 213-217. Sept.1-15,1951. 43.8 G93
W. D. Knox, moderator, F. B. Morrison, A. M. Stagg, C. J. Pritzl, J. Tanis, W. C. Fleming, Jr., C. R. Huston, and H. A. Herman.
- 84445 ANTHONY, W. B., and others. Vitamin B₁₂ in blood of newborn and colostrum-fed calves and in colostrum and normal milk of Holstein and Jersey cows. *J. Dairy Sci.* 34:749-753. Aug.1951. 44.8 J822
J. R. Couch, I. W. Rupel, M. B. Henderson, and C. Brown, joint authors.
- 84446 BABBITT, J. A stockman's view of big game management. *Ariz. Cattlelog* 6(9):8-10. May 1951. 43.8 Ar42
Includes range management.
- 84447 BAILEY, J. W. Fall feeds and feeding. *Hoard's Dairyman* 96:645. Aug.25,1951. 44.8 H65
- 84448 BAKER, J. P., COLBY, R. W., and LYMAN, C. M. The relationship of feed efficiency to digestion rates of beef cattle. *J. Anim. Sci.* 10:726-732. Ref. Aug. 1951. 49 J82
- 84449 BARISSON VILLARES, J. El calostro en la cría de los terneros. *Cuba Ganad.* 11:29-30. Sept.1951. 49 C89
- 84450 BASANTA, E. A. Las vitaminas y la sal comun en la explotación lechera. *Pampa Argentina* 24(281):6. May 1951. 9 P19
- 84451 BLACK, W. H. Fósforo para bovinos de engorde. *Cuba Ganad.* 10(10):21-23. June 1951. 49 C89
- 84452 BLAXTER, K. L. The protein and energy nutrition of the young calf. *Agr. Prog.* 25:85-93. 1950. 10 Ag86
- 84453 BOHSTEDT, G. Are antibiotics needed in rations? *Shorthorn World* 36(10):225-227. Aug.10,1951. 43.8 Sh8
- 84454 BOWSER, H. 140 calves reared on 13 cows; batch system of suckling on highly fed nurse animals. *Farmer & Stock-Breeder* 65(3227):73. Aug.28,1951. 10 F228
- 84455 BREMER, K. Kartoffelverwertung in molkereien? *Hannoversche Land- u. Forstwirtschaft.* 104:410-411. May 5,1951. 18 H194
Use as feed.
Also in *Landwirtschaftl. Weser-Ems* 98:542-543. June 21, 1951. 18 L2345
- 84456 BROOKS, W. W. Cattle with plenty of water to drink make better use of good pastures. *Farmer-Stockman* 54(9):13,55. Sept.1951. 6 Ok45
- 84457 BRUNDAGE, H. R. Cows and oranges; citrus pulp from the juice plants, once a waste material, has graduated and become a valuable livestock feed. *Farm Q.* 6(3):42-43,84,86,88,90,92. Autumn 1951. 6 F22995
- 84458 BUTTS, W. T., and others. Correction factors for adjusting weaning weights of beef calves. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:75. 1951. 4 C82
H. J. Smith, C. S. Hobbs, and E. J. Warwick, joint authors.
- 84459 CALF to cow to calf; how to feed the calf, the expectant heifer, the fresh cow. *Farm Q.* 6(3):66-69,123-126. Autumn 1951. 6 F22995
- 84460 COLOVOS, N. F., and others. The effect of vitamin D on the utilization of energy and protein of the ration of calves. *J. Dairy Sci.* 34:735-742. Ref. Aug. 1951. 44.8 J822
H. A. Keener, A. E. Teerl, and H. A. Davis, joint authors.
- 84461 CROCKETT, S. P., ARNOLD, B. L., and LANDRUM, R. T. Winter pasture versus dry lot feeding for finishing beef calves. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:76-77. 1951. 4 C82
- 84462 DYRBYE, N. Use and misuse of 4 per cent test milk. (In Danish.) *Dansk Landbr.* 70:190-191. Apr. 19,1951. 280.28 V91
Milk analysis to determine feeding requirements of cattle and milk prices.
- 84463 ELAM, F. L. Farmer feeding; fastest growing in California's crop of ideas for beef-making is use of ranch-grown feeds. *West. Livestock J.* 29(48):37,60-62. Aug.15,1951. 6 F2278
- 84464 ENGELMANN, L. Besondere fütterungsmassnahmen in der 2. hälfte der weideperiode. *Unser Milchvieh* 3(8):2-3. Aug.1951. 43.8 Un7
Dairy cattle.
- 84465 FERRARI, E. Forage plants and feeds injurious to milk quality. (In Italian.) *Humus* 7(6):22-25. June 1951. 16 H88
- 84466 FOWLER, R. G., JR. First beef group runs tests. *Co. Agent & Vo-Ag Teacher* 7(6):11-12. June 1951. 275.28 N213
Rate of gain and feed efficiency test in Gilliam County, Oregon.
- 84467 GARRIGUS, W. P. Better forages will lower costs. *Shorthorn World* 36(10):269-271. Aug.10,1951. 43.8 Sh8
Of cattle production.
- 84468 GÖTTSCHE, A. Welche rolle spielen die handelsfuttermittel während der weidezeit für die fütterung des rindviehs? *Kontrollangestellte*, p.1-2. In *Unser Milchvieh* 3(5): May 1951. 43.8 Un7
- 84469 HAMILTON, T. The eye of the master cattleman. *Shorthorn World* 36(10):176-177,293. Aug.10,1951. 43.8 Sh8
Chiefly cattle feeding.
- 84470 HAUBOLD, H. Provitamin A-gehalt der fütterpflanzen, vitamin A-gehalt der milch unter dem einfluss von jahreszeit und witterung und ihre rückwirkung auf die kropfwelle im bayerischen Voralpenland. *Milchwissenschaft* 6:285-295. Ref. Aug./Sept.1951. 44.8 M5933
English summary.
- 84471 HEAD, T. P., and HOLLEY, A. L. Feeding dairy cows. *Ark. Agr. Col. Ext. C.* 453,rev.,7 p. May 1951. 275.29 Ar4
- 84472 HOEWISCHER, W. Feeding the purebred herd. *Shorthorn World* 36(10):120-122. Aug.10,1951. 43.8 Sh8
Beef cattle.
- 84473 HÖFLUND, S. Dietetic observations on the feeding of cattle. (In Swedish.) *Tidskr. f. Hushållsk. och Skogsvårdsstyr.* i Gavleborgs Län 26:38-46. 1950. 11 T434
- 84474 HOGAN, A. G. Mineral needs of cattle. *Shorthorn World* 36(10):220-224. Aug.10,1951. 43.8 Sh8

- 84475 HOLZMAN, H. P. Report on the 1950 - 1951 feed testing project with Hereford bull calves at the South Dakota Hereford Ranch, Telford, S. Dak. S. Dak. Stockgrower 5(6):11-13. July 15, 1951. 49 So84
- 84476 ITTNER, N. R., KELLY, C. F., and GUILBERT, H. R. Water consumption of Hereford and Brahman cattle and the effect of cooled drinking water in a hot climate. J. Anim. Sci. 10:742-751. Ref. Aug. 1951. 49 J82
- 84477 KIEFERLE, F., SEUSS, A., and ZENGLEIN, I. Naturgemässe anreicherung der winterbutter an carotin und vitamin A; II. mitteilung zu: carotinisierung und vitaminisierung der milch über die milchkuh. Milchwissenschaft 6:295-303. Ref. Aug./Sept. 1951. 44.8 M5933
- English summary.
- Feeding of carrots to the cattle.
- 84479 KINCAID, C. M. The influence of winter feeding on carcass weights of pasture fattened cattle. (Abs.) Assoc. South. Agr. Workers. Proc. 48:77. 1951. 4 C82
- 84479 KIRK, W. G., HODGES, E. M., and JONES, D. W. Feeding cattle on pasture. (Abs.) Assoc. South. Agr. Workers. Proc. 48:74-75. 1951. 4 C82
- 84480 KONDYREV, V. E. Vitamin A requirement of milk-producing cows. (In Russian.) Vsesofuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy 1: 103-109. Ref. 1950. 389.79 D85
- 84481 LARSEN, C. Use and misuse of 4 per cent test milk. (In Danish.) Dansk Landbr. 70:212-213. May 3, 1951. 280.28 V91
- Milk analysis to determine cattle feed requirements and milk prices.
- 84482 LIPPMANN, K. Futterfläche und milchviehleistung. Deut. Landwirt. Presse 74:115. May 5, 1951. 18 D482
- 84483 MCCRAINE, S. E. Fall-dropped beef calves versus spring-dropped beef calves in Louisiana. (Abs.) Assoc. South. Agr. Workers. Proc. 48:75. 1951. 4 C82
- Feeding tests.
- 84484 MCDONALD, M. H. Cattle feeding plans. N. Dak. Agr. Col. Ext. C. A-154, 6 p. Mar. 1951. 275.29 N812Sa
- 84485 MAYNARD, E. J. Grass-fattening of cattle. Flour & Feed 52(4):12. Sept. 1951. 298.8 F66
- 84486 MENONI, L. Feeding of Maremmana cattle raised on pasture and the weaning of calves. (In Italian.) Agr. Tosc. 6:280. Aug. 1951. 16 Ag827
- 84487 MERCIER, E. Pourquoi un bon pâturage? Digeste de l'Eleveur 5(11):15-17, 28. July 1951. 49 D56
- For dairy cattle.
- 84488 MOLERES, S. La alimentación del ganado lechero. Medicina; Rev. Mex. 31(626, sup.):57-62. Apr. 25, 1951. 448.8 M4693
- 84489 MONROE, C. F. Sensible feeding practices for dairy cattle. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:15-16. 1951. 44.9 Oh35M
- 84490 MOORE, L. A. New ideas on protein in dairy-cow rations. (Abs.) Butter-fat 29(6):8. Sept. 1951. 44.8 B98
- 84491 MORRISON, F. B. Efficient beef production through evaluating feeds. Mont. Farmer-Stockman, Aug. 1, 1951:78-80. 6 M764
- 84492 NAEGELY, F. Did your cows get enough grass today? G. L. F. Week 15(49):3. June 1951. 280.28 G113W
- 84493 NEAL, E. M., HALL, R. A., and JONES, J. H. Steer feeding tests at Beeville, 1950-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1386, 4 p. July 10, 1951. 100 T31P
- 84494 NEVENS, W. B. Making high quality silage for dairy cattle. Ill. Agr. Col. Ext. C. 686, 24 p. July 1951. 275.29 IL62C
- 84495 NEWELL, P. F. Pastures—guard and improve them. Shorthorn World 36(10):54, 321-322. Aug. 10, 1951. 43.8 Sh8
- 84496 NEWLANDER, J. A. Are mineral supplements needed? Hoard's Dairyman 96:641. Aug. 25, 1951. 44.8 H65
- 84497 NIBLER, C. W. What does the mineral bag contain? The price is a poor indication of what you can expect; be sure to check the tag and buy what you need. Hoard's Dairyman 96:680, 713. Sept. 10, 1951. 44.8 H65
- 84498 OLSEN, L. Sugar byproducts in feeding; what part they play in dairy nutrition. Feed Bag 27(8):96-97. Aug. 1951. 389.78 F32
- Sugar beet waste.
- 84499 PAULICK, S. Kleegrass- und stoppelkleeweide mit dem elektro-weidezaun. Neue Mitt. f. die Landwirt. 6:263. Apr. 28, 1951. 18 N39
- Dairy cattle.
- 84500 PETRUCCI, E. The use of straw in Italy with particular reference to that used for feeding cattle. (In Italian.) Allevatore 7(18):5. May 6, 1951. 49 AL55
- 84501 RULFFES. Erprobte futterbelspiele in der kalberfütterung. Neue Mitt. f. die Landwirt. 6:266-268. Apr. 28, 1951. 18 N39
- 84502 SAVAGE, D. A. Grazing, feeding and other range improvement studies on Southern Plains Experimental Range. (Abs.) Assoc. South. Agr. Workers. Proc. 48:178. 1951. 4 C82
- 84503 SCHLUGA-TSCHUTTNIIG, N. Abwurflikenfütterung im freiluftstall; die rationellste fütterungsmethode. Pflug 4:77-80. Apr. 1951. 19 P48
- For cattle.
- 84504 SIMS, A. J. The cow's choice of all feeds. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(9):126, 139. Sept. 1951. 6 P945K
- Pasture.
- 84505 SMITH, S. E., and others. Study salt needs anew for dairy cattle. Milling & Feed 32(3):21, 38. Mar. 1951. 298.8 C162
- P. D. Aines, F. W. Lengemann, and K. L. Turk, joint authors.
- 84506 SNAPP, R. R. Better pastures. Shorthorn World 36(10):48-49, 351. Aug. 10, 1951. 43.8 Sh8
- For beef cattle.
- 84507 STAEHLER, H. Portionsweide zur erzielung höchster milchleistung auf kleinsten fläche. Neue Mitt. f. die Landwirt. 6:413-414. June 23, 1951. 18 N39
- 84508 SVEDBACK, V. Winter feeding of milk cows is near at hand. (In Swedish.) Västerbotten 5/6:131-133. Nov. 1950. 11 V442
- 84509 TARASSUK, N. P., and ROADHOUSE, C. L. The effect of dried citrus products on the flavor of milk. Calif. Dairyman 31(16):9-10. Sept. 8, 1951. 44.8 C12
- Also in Milk Plant Mon. 40(9):38-39. Sept. 1951. 44.8 C864
- 84510 THOMAS, O. O., GALLUP, W. D., and ROSS, O. B. The effect of low phosphorus rations on carotene metabolism. (Abs.) Assoc. South. Agr. Workers. Proc. 48:77-78. 1951. 4 C82
- Studies with range Hereford cattle.
- 84511 VINE, R. Identical twins research; feeding trials at Ruakura [Animal Research Station]. New Zeal. Farmer 72(12):3-4. Aug. 2, 1951. 23 N484
- 84512 VOLCANI, R. Carobs vs. barley as dairy cattle feed. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:175-182. Dec. 1950. 107 J552
- Abridged English translation, p. 39-40.
- 84513 VOLCANI, R. Rice polish vs. barley for dairy cattle. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:163-173. Dec. 1950. 107 J552
- Abridged English translation, p. 35-37.
- 84514 WAITE, R., MACDONALD, W. B., and HOLMES, W. Studies in grazing management. III. The behaviour of dairy cows grazed under the close-folding and rotational systems of management. J. Agr. Sci. 41: 163-173. Ref. Jan./Apr. 1951. 10 J822
- 84515 WALTERS, L. E., ROSS, O. B., and GALLUP, W. D. The availability of phosphorus in herbage. (Abs.) Assoc. South. Agr. Workers. Proc. 48:178-179. 1951. 4 C82
- Beef cattle research.
- 84516 WARD, A. L. Roughages build bovine bodies. Shorthorn World 36(10):53, 342. Aug. 10, 1951. 43.8 Sh8
- 84517 WEBER, A. D. Good cattle from good land. Shorthorn World 36(10):49, 352-354. Aug. 10, 1951. 43.8 Sh8
- Beef cattle.
- 84518 WEBSTER, M. A. Commercial feeds contribute to more efficient beef production. Mont. Farmer-Stockman, Aug. 1, 1951:56-57. 6 M764
- Nutritive value of feeds.
- 84519 WILLIAMS, J. B. The value of milk replacements in the ration of dairy calves. Pa. State Col. Abs. Doct. Diss. 13:234-237. 1951. 241.8 P38
- 84520 WILLIAMS, J. C., SMITH, G. L., and JONES, J. H. Finely ground peanut hulls and prairie hay in rations for fattening steers. Tex. Agr. Expt. Sta. Prog. Rpt. 1385, 3 p. July 10, 1951. 100 T31P
- 84521 ZHURAVLEV, E. M. Effect of various carotene consumption levels on growth and development of calves and their requirements in vitamin A. (In Russian.) Vsesofuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy 1:80-89. Ref. 1950. 389.79 D85

Veterinary Medicine

- 84522 AIKEN, C. H. Anthrax in a calf. *Sowest. Vet.* 4(4):37. May 1951. 41.8 So82
- 84523 ARTHUR, G. H. Pregnancy in the cow with the corpus luteum in the contra-lateral ovary. *Vet. Rec.* 63: 581-582. Sept. 8, 1951. 41.8 V641
- 84524 ASDELL, S. A. Hormone levels and reproduction in dairy cattle. *Natl. Egg Transfer Breeding Conf. Proc.* 1:30-34. 1951. 41.9 N219
- 84525 BAILEY, J. M. Milk fever. *Farm Q.* 6(3):78-79, 112-114. Autumn 1951. 6 F22995
- Of dairy cattle.
- 84526 BARLOW, F. S. Milk ring test used in Ohio. *Hoard's Dairyman* 96:686-687. Sept. 10, 1951. 44.8 H65
- 84527 BASSETT, E. G. The anterior lobe of the cattle pituitary. 1-2. *J. Endocrinol.* 7:203-220. Ref. Aug. 1951. 44.8 J8293
- 84528 BATTELLI, C., and CALL, C. First case of abortion caused by Brucella in cattle of Eritrea. (In Italian.) *Soc. Ital. de Med. e Ig. Trop. Sez. Eritrea di Med. Umana e Vet. B.* 10:153-163. 1950. 44.9 So16
- English summary.
- 84529 BATTELLI, C. Research on a strain of rinderpest virus adapted to the rabbit (lapi-nized-virus) and imported into Eritrea. (In Italian.) *Soc. Ital. di Med. e Ig. Trop. Sez. Eritrea di Med. Umana e Vet. B.* 10:137-152. 1950. 44.9 So16
- English summary.
- 84530 BELGIUM. MINISTÈRE DE L'AGRICULTURE. SERV. VÉTÉRINAIRE. Instructions pour la lutte contre la tuberculose bovine. *Belgium. Serv. Vét. B. Sanit.* 13: 242-275. July 1/15, 1951. 41.9 B41
- Text in French and Flemish.
- 84531 BENSON, T. L. Circumcision of a Brahman bull. *Sowest. Vet.* 4(4):40-41. May 1951. 41.8 So82
- 84532 BERGH, H., and EIELAND, E. "Studies on the metabolism of copper using radiocopper Cu-64"; secretion in cow's milk, and excretion in cow's urine and faeces of administered copper. *Norske Vidensk. Selsk. Forhandl.* 23:52-54. 1951. 502 T41F
- 84533 BERGH, H. "Studies on the metabolism of zinc using radiozinc Zn-65"; secretion in cow's milk, and excretion in cow's urine and faeces of administered zinc. *Norske Vidensk. Selsk. Forhandl.* 23:49-51. 1951. 502 T41F
- 84534 BERTONI, A. Vitamin E and hormone therapy in veterinary medicine. (In Italian.) *Prog. Vet.* 6:431-432, 434-436, 438, 440. July 15/Aug. 1, 1951. 41.8 P942
- Research on cattle.
- 84535 BIANCA, W. Zur bestimmung des wahren le-bendgewichtes beim trächtigen rind. *Schweiz. Landwirt. Monatsh.* 29:243-245. July 20, 1951. 17 Sch93
- 84536 BLACKMAN, C. L. Maintain herd health through management. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 17:34-36. 1950. 44.9 Oh35M
- 84537 BLANCO PEDRAZA, E. El diagnóstico de la gestación en la vaca. *Lérida Ganad.* (ser. 3)125:46-74. Ref. Mar. 1951. 41.8 L56
- 84538 BORN, J. M. VAN DEN. On the 5 year plan for the control of TB in cattle in the Netherlands. (In Dutch.) *Netherlands. Landbouwlichtingsdienst. Maandbl.* 8:217-222. June 1951. 12 N383M
- 84539 BRATLIE, O. Mastitis hos kyr [Mastitis in cows]. *Oslo, Cappelen, 1950.* 167 p. 41 B7382
- 84540 BRION, A. Que faire contre la brucellose bovine? *Bétail & Basse-Cour* 6:300-301. June/July 1951. 49 B462
- 84541 BRITTAN, W. S., and DEAN, D. A new control for calf scours. *Jersey B.* 70:1206, 1246-1247. Aug. 25, 1951. 43.8 J48
- A sulfonamide preparation.
- 84542 BROUGHTON, A. Ring test helps spot Bangs. It's a quick test of milk to find infected herds; if it's positive, blood tests and clean-up follow. *Wis. Agr. & Farmer* 78(17):4. Sept. 1, 1951. 6 W751
- 84543 BRYAN, C. S. Facts in cattle disease which are essential for inspectors to know. *J. Milk & Food Technol.* 14:142. July/Aug. 1951. 44.8 J824
- 84544 BRYAN, H. S., WOODS, G. T., and MANSFIELD, M. E. A comparison of the Brucella ring test and the blood serum agglutination test in 955 cows. *No. Amer. Vet.* 32:618-620. Sept. 1951. 41.8 N812
- 84545 BRYAN, H. S., and ALBERTS, J. O. Mastitis prevention and control measures. *Certif. Milk* 26(8):14-15. Aug. 1951. 44.8 C33
- 84546 CADEOT, C. Observations sur les tubercul-nations des bovidés. *Rev. de Path. Compar.* 51:127-130. Feb. 1951. 44.8 R326
- English summary.
- 84547 CALL, C., and COCEANI, A. Latest data on bovine brucellosis in Eritrea. (In Italian.) *Soc. Ital. di Med. e Ig. Trop. Sez. Eritrea di Med. Umana e Vet. B.* 10:176-181. Ref. 1950. 44.9 So16
- 84548 CARTA, A. Changes in the intestines and regional lymphatic glands in bovine bilharziasis. (In Italian.) *Riv. di Parassitol.* 12:169-183. Ref. July 1951. 43.8 R52
- English summary.
- 84549 CHANG, M. C. The problems of superovulation and egg transfer in cattle. *Natl. Egg Transfer Breeding Conf. Proc.* 1:39-46. Ref. 1951. 41.9 N219
- 84550 CORRIAS, A. Bovine genital infection, with special reference to vibronic abortion. (In Italian.) *Prog. Vet.* 6:421-424, 426, 428, 430. July 15/Aug. 1, 1951. 41.8 P942
- 84551 CORTIZO, J. M., and ALVAREZ, J. R. Babe-siosis por Babesia argentina. *Cuba Ganad.* 10(11):23-27. July 1951. 49 C89
- Cases in Cuban cattle.
- 84552 CUNKELMAN, J. W. Los toros cojos. *Cuba Ganad.* 10(10):25-30. June 1951. 49 C89
- 84553 DEBROT, S. Essais d'utilisation de la dé-viation du complément dans le diagnostic de la tuber-culose bovine. *Rev. de Path. Compar.* 51(624):3-30. Ref. Jan. 1951. 44.8 R326
- 84554 DEINSE, F. VAN. Considérations sur la valeur de la vaccination antituberculeuse par le BCG. *Inst. Pasteur. Ann.* 81(2):126-148. Ref. Aug. 1951. 44.8 An75
- Includes cattle.
- 84555 DONHAM, C. R. What do I need to know about common diseases of cattle? *Shorthorn World* 36(10):126-128. Aug. 10, 1951. 43.8 Sh8
- 84556 DOWNHAM, K. D. Johne's disease: a prelimi-nary note upon the prevention and control of the disease. *Brit. Vet. J.* 107:309-311. July 1951. 41.8 V643
- 84557 DRACY, A. E., and PETERSEN, W. E. Tech-nique for isolating fertilized bovine ova by flushing the uterus with physiological solutions. *Natl. Egg Transfer Breeding Conf. Proc.* 1:13-17. Ref. 1951. 41.9 N219
- 84558 DRURY, A. R. What the milk inspector should know about new mastitis treatments. *J. Milk & Food Technol.* 14:143. July/Aug. 1951. 44.8 J824
- 84559 DUNCAN, H. R., and others. The influence of cows, date of calving and bulls on returns from beef-cow herds. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:76. 1951. 4 C82
- C. S. Hobbs, J. H. Felts, J. Odom, J. C. Miller, R. P. Moorman and E. L. Bohanan, joint authors.
- Weight gains.
- 84560 DYKSTRA, R. R. What I need to know about diseases of beef cattle. *Shorthorn World* 36(10):128-131. Aug. 10, 1951. 43.8 Sh8
- 84561 ELSTON, D. M. Perineal hernia in a calf. *Sowest. Vet.* 4(4):41. May 1951. 41.8 So82
- 84562 ERIKSEN, S. We need uniform Bangs control laws. *Shorthorn World* 36(10):78, 347. Aug. 10, 1951. 43.8 Sh8
- 84563 EVSEEV, P. E. Study of motor functions of the rumen [during digestion] in cattle on normal non-fistulous animals. (In Russian.) *Vsesofuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy* 1: 342-349. 1950. 389.79 D85
- 84564 FAUSTINI, R. The haematic and cerebrospinal fluid concentrations of sulfathiazole, sulfadiazine, sulfa-merazine, sulfamethazine and their mixture in calves following a single intravenous dose. (In Italian.) *Clin. Vef.* 74:193-198. Ref. July 1951. 41.8 C61
- English summary.
- 84565 FESCE, A. Experiments on ligation of the bile duct in calves and dogs. (In Italian.) *Ist. Vaccino-geno Antituberc. Not.* 1(2):35-50. Ref. Apr./June 1951. 41.9 Is7
- English summary.
- Experimental jaundice produced.
- 84566 FRITZSCHE, K., and BERG, W. Über das vorkommen der rinderkokzidiose (rote ruhr der rinder) im kreise Prüm/Eifel. *Tierärztl. Umschau* 6:305-308. Ref. Sept. 1951. 41.8 T445
- 84567 FROHMÜLLER, C. Endometritis y metroperti-tonitis en las vacas lecheras y yeguas; tratamiento racio-nal de estas enfermedades. *Campo [Sevilla]* 10(109):3-4. Apr. 1951. 15 C15

- 84568 GAZTAMBIDE-ARRILLAGA, C. The effects of environmental temperature and relative humidity on the acclimation of cattle in the Tropics. Pa. State Col. Abs. Doct. Diss. 13:64-68. 1951. 211.8 P38
- 84569 GEROSA, G., and FESCE, A. Vaccination with B.C.G. and the vaccine nodule. (In Italian.) Ist. Vaccinogeno Antituberc. Not. 1(2):29-33. Apr./June 1951. 41.9 Is7
English summary.
Observations on calves.
- 84570 GEYER, H. G. A positive disease control program. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:6. 1950. 44.9 Oh35M
- 84571 GEYER, H. G., and KNUDSON, R. L. Present status of Ohio's brucellosis and tuberculosis control programs. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:17-18. 1951. 44.9 Oh35M
- 84572 GIBBONS, W. J. The use of estradiol cyclopentylate in the treatment of anestrus in cattle. Vet. Med. 46:397-399. Oct. 1951. 41.8 M69
- 84573 GIBBONS, W. J. What the veterinarian believes is the best way to handle the treatment of mastitis in milking herds. (Abs.) Assoc. South. Agr. Workers. Proc. 48:84-85. 1951. 4 C82
- 84574 GLÄTTLI, H. R. Ueber die bekämpfung von tierseuchen in den Vereinigten Staaten von Nordamerika. Grüne 79:808-810. July 20, 1951. 17 Sch9
This installment deals with bovine tuberculosis.
- 84575 GLATZEL, B. Bemerkungen zu dem Aprilheft erschienenen artikel von Dr. Hobigk: "Milzbrandfeststellung bei einer Bakteriologischen Untersuchung." Lebensmitteltierarzt 2:84. June 1951. 41.8 L49
In cow.
- 84576 GOOR, S. Three days sickness (ephemeral fever) of cattle in Palestine. (In Hebrew.) Refuah Vet. 7: 148. Dec. 1950. 41.8 R25
English summary. p. 165.
- 84577 GRUENBERG, B. Acute fluorine poisoning in a dairy herd. (In Hebrew.) Refuah Vet. 8:14-16. Feb. 1951. 41.8 R25
English summary, p. 29.
- 84578 HAMMOND, J., JR. Survival of mouse ova in vitro; and induced multiple pregnancies in cattle. Natl. Egg Transfer Breeding Conf. Proc. 1:22-25. 1951. 41.9 N219
- 84579 HANSEL, W., and TRIMBERGER, G. W. Atro-pine blockage of ovulation in the cow and its possible significance. J. Anim. Sci. 10:719-725. Aug. 1951. 49 J82
- 84580 HART, M. L. "T. Registration of the regularity of abortions and the occurrence of certain diseases in dairy cattle. (In Dutch.) Netherlands. Landbouwvoorlichtingsdienst. Maandbl. 8:275-279. July 1951. 12 N383M
- 84581 HARTMANN, K. Beiträge zur pharmakologie der herba sabinae [Juniperus sabina] mit besonderer berücksichtigung der motorischen wirkung am isolierten uterus des rindes. (Sum.) Schweiz. Arch. f. Tierheilk. 93:458-467. Ref. July 1951. 41.8 Sch9
English summary.
- 84582 HELVIG, R. J. The relationship between the treatment of cows for mastitis and public health. (Abs.) Assoc. South. Agr. Workers. Proc. 48:85-86. 1951. 4 C82
- 84583 HERAULT. La fièvre vitulaire, maladie des bonnes laitières. Terre Marocaine 25:219-221. July 1951. 24 T44
- 84584 HOPSON, G. H. What we know and don't know about some of the common diseases of dairy cattle. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:29-31. 1950. 44.9 Oh35M
- 84585 HUESKER. Gesunde milch von gesunden eutern. Kontrollangestellte, p. 1. In Unser Milchvieh 3(8). Aug. 1951. 43.8 Un7
- 84586 JAMAICA. DEPT. OF AGRICULTURE. VETERINARY DIV. Contagious abortion (brucellosis or Bang's disease). Jamaica. Dept. Agr. Ext. C. 43,6 p. Dec. 1950. 275.249 J22
- 84587 JÖHNK, M. Torsio uteri beim rind und pferd. Tierärztl. Umschau 6:265-271. Aug. 1951. 41.8 T445
- 84588 KAKAVAS, J. C., and others. Chemotherapy of bovine mastitis with furacin and penicillin mixture. Amer. Vet. Med. Assoc. J. 119:203-207. Ref. Sept. 1951. 41.8 Am3
H. D. B. Roberts, S. J. de Courcy, Jr., and D. L. Ewing, joint authors.
- 84589 KAMAL, S., and TURNER, C. W. Electro-phoretic study of bovine thyroglobulin and iodinated bovine gamma globulin. J. Dairy Sci. 34:798-803. Ref. Aug. 1951. 44.8 J822
- 84590 KAPPES, M. Marfanil-prontalbin "Bayer" in der operativen und nichtoperativen behandlung von fremdkörpererkrankungen des rindes. Tierärztl. Umschau 6:281-284. Aug. 1951. 41.8 T445
- 84591 KARSTEN. Der gelbe galt der milchkühe und seine bekämpfung. Hannoversche Land- u. Forstwirt. Ztg. 104:341,363. Apr. 14-21, 1951. 18 H194
- 84592 KEITH, M. M. The anatomy of a two-headed calf. (Abs.) Minn. Acad. Sci. Proc. 16/18:27. 1948-50. 500 M663
- 84593 KEMPENDORFF, W. Atypischer fremdkörper-sitz beim rind. Tierärztl. Umschau 6:332-333. Sept. 1951. 41.8 T445
- 84594 KESLER, E. M., and KNOTT, C. B. Effect of the time interval between last feeding and slaughter upon levels of certain B vitamins in the digestive tract of 16 week old calves. J. Anim. Sci. 10:714-718. Ref. Aug. 1951. 49 J82
- 84595 KETZ, A. Über häufigkeit und fleischhygienische bedeutung der meningitis tuberculosa bei schlachtrindern. Monatsh. f. Vetmed. 6:270-273. Ref. July 15, 1951. 41.8 M742
- 84596 KHISHIN, S. S. Studies on the Egyptian buffalo: I. Average age and calving interval. Empire J. Expt. Agr. 19:185-190. July 1951. 10 Em7
- 84597 KIDDER, R. W., BEARDSLEY, D. W., and ERWIN, T. C. Photosensitization in cattle grazing Bermuda grass. (Abs.) Assoc. South. Agr. Workers. Proc. 48:80. 1951. 4 C82
- 84598 KINGMAN, H. E. Implantation of the fertilized ovum and its relation to the infertility problems in the cow. Natl. Egg Transfer Breeding Conf. Proc. 1:26-29. 1951. 41.9 N219
- 84599 KMENT, A., and HALAMA, A. Milchdruckmessungen in der euterzisterne des rindes nach adrena-lin- oder pituglandolzufuhr. Wien. Tierärztl. Monatsschr. 38:424-436. Ref. July 1951. 41.8 T345
English summary.
Beef cattle.
- 84600 KOCH, R. M. Size of calves at weaning as a permanent characteristic of range Hereford cows. J. Anim. Sci. 10:768-775. Ref. Aug. 1951. 49 J82
- 84601 KOGER, M., and KNOX, J. H. The correlation between gains made at different periods by cattle. J. Anim. Sci. 10:760-767. Aug. 1951. 49 J82
- 84602 KRUMHOLZ, B. Poisoning of cattle by oleander leaves. (In Hebrew.) Refuah Vet. 8:42-43. May 1951. 41.8 R25
English summary, p. 55-54.
- 84603 LAGERLÖF, N. The fight against mastitis in USA. (In Swedish.) Lantmannen 35:359-360. May 5, 1951. 11 L234
- 84604 LIPNICKI, J. Some explanatory notes on brucellosis. (In Polish.) Med. Weter. 7:364-369. June 1951. 41.8 M463
French summary.
In cattle.
- 84605 LUCAS, A., and others. Prophylaxie de la tuberculose bovine. Rec. de Méd. Vét. 127:222-232. Apr. 1951. 41.8 R24
L. Andral, G. Bouley, A. Paraf, and C. Quinchon, joint authors.
- 84606 LUCAS MORAN, B. La lucha contra la bruce-losis y la vacunación de las terneras. Cuba Ganad. 10(12):15-16. Aug. 1951. 49 C89
- 84607 LUKS, J. Cases of lesions in the spinal cord of cattle. (In Polish.) Med. Weter. 7:398. June 1951. 41.8 M463
- 84608 MCNAUGHT, M. L. The utilization of non-protein nitrogen in the bovine rumen. 7. Biochem. J. 49: 325-332. Ref. Aug. 1951. 382 B52
- 84609 MANUNTA, G. Considerations on the patho-genesis of puerperal collapse. (In Italian.) Riv. di Zoo-tec. 24:238-239. July 1951. 49 R52
Cattle.
- 84610 MARSHALL, W. S. Carcinoma in a Friesian heifer. Vet. Rec. 63:535. Aug. 18, 1951. 41.8 V641
- 84611 MEARA, P. J. Cream smear examination of bulked herd milk supplies for mastitis contamination. So. African Vet. Med. Assoc. J. 22:49-51. June 1951. 41.8 So8
- 84612 MÉNDEZ PLASENCIA, V., CALÁS BERTOT, W., and CASTELLANOS GONZÁLEZ, R. La bobera o boberfa de los terneros. Rev. Ganad. [Habana] 11(8):35-40, 55-60. Aug. 1951. 49 R321
Diagnosed as anaplasmosis.

- 84613 MERKT, H. Beitrag zur frage der beeinflussung der tuberkulinreaktion durch impfung mit M.K.S.-vakzine. Deut. Tierärztl. Wchnschr. 58:239. Aug.1,1951. 41.8 D482
Cattle.
- 84614 NANDA, P. N. Rinderpest or cattle plague. Indian Farming (n.s.)1(3):19. June 1951. 22 In283
- 84615 NATIONAL BRUCELLOSIS COMMITTEE. RESEARCH COMMITTEE. X brucellosis can be stopped. Jersey B. 70:1282-1283,1335-1338. Sept.10,1951. 43.8 J48
- 84616 NATIONAL EGG TRANSFER BREEDING CONFERENCE. Proceedings of the first conference, April 14, 1949. San Antonio, Foundation of Applied Research, 1951. 46 p. 41.9 N219
Cattle.
- 84617 NEHREBECKI, M. Terrain observations concerning the control of tuberculosis of cattle. (In Polish.) Med. Weter. 7:320-322. May 1951. 41.8 M463
- 84618 OWEN, E. C. Reviews of the progress of dairy science. A. Physiology of dairy cattle. II. Physiology and biochemistry of rumination. J. Dairy Res. 18:113-146. Ref. Feb. 1951. 44.8 J823
- 84619 PETERSEN, J. E. Redwater (leptospirosis) of cattle in the South-West. West. Austral. Dept. Agr. J. (ser.2)28:48-50. Mar.1951. 23 W52J
- 84620 PHILLIPS V., L. A., and FERNANDEZ C., L. Abortos a Escherichia coli en vacunos. Inst. Nac. de Biol. Anim. Rev. 1:13-21. Dec.1950. 44.9 L62R
- 84621 PINCUS, G. Observations on the development of cow ova in vivo and in vitro. Natl. Egg Transfer Breeding Conf. Proc. 1:18-21. 1951. 41.9 N219
- 84622 PISTOR, W. J. Cottonseed products and difficult calving. Ariz. Cattlelog 6(9):21-22. May 1951. 43.8 Ar42
- 84623 PLASTRIDGE, W. N. Is this cause of abortion the disease of the future? Hoard's Dairyman 96:673,677. Sept.10,1951. 44.8 H65
Vibriosis.
- 84624 POHLER, Melker und tierarzt müssen gute freunde sein. Bl. f. den Melker, p.1. In Unser Milchvieh 3(5). May 1951. 43.8 Un7
- 84625 POWELL, J. The mystery disease of cattle. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(9):22,137. Sept. 1951. 6 P945K
X disease.
- 84626 RACKOW, H. G. Warum hände waschen beim melken? Unser Milchvieh 3(8):1-2. Aug.1951. 43.8 Un7
Prevention of mastitis.
- 84627 RE, A. Antitubercular vaccination with B.C.G.; an experiment in a common stable in Pavia (Bonate). (In Italian.) Ist. Vaccinogeno Antituberc. Not. 1(1):5-85. Jan./Mar.1951. 41.9 Is7
English summary.
Experiment with calves on the Bonate farm.
- 84628 RENK, W. Bericht über die feststellung und den verlauf der wild- und rinderseuche in einem gehöft im kreise Giessen. Tierärztl. Umschau 6:301-302. Sept. 1951. 41.8 T445
- 84629 RETTENMAIER, L. Extraktion von fremdkörpern aus dem halsteil des schlundes beim rind. Tierärztl. 6:286-287. Aug.1951. 41.8 T445
- 84630 RIENACKER, Gehirntuberkulose bei rindern. Monatsh. f. Vetmed. 6:269. July 15,1951. 41.8 M742
- 84631 ROBINSON, E. M. Actinobacillosis of cattle in South Africa; a report on two outbreaks of the disease. So. African Vet. Med. Assoc. J. 22:85-88. June 1951. 41.8 So8
- 84632 ROBINSON, T. J., JASPER, D. E., and GUILBERT, H. R. The isolation of Spherophorus necrophorus from the [bovine] rumen together with some feed lot data on abscess and telangiectasis. J. Anim. Sci. 10:733-741. Aug.1951. 49 J82
Liver diseases.
- 84633 ROF CODINA, J. La mamitis de las vacas lecheras. Cult. Mod. 34:169-170. May 1951. 15 C89
- 84634 ROWSON, L. E. Methods of inducing multiple ovulation in cattle. J. Endocrinol. 7:260-270. Ref. Aug. 1951. 44.8 J8293
- 84635 RUDAKOV, A. I. Effect of rations with a surplus of calcium or phosphorus on the development and metabolism of calves. (In Russian.) Vsesofuzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:188-203. Ref. 1950. 389.79 D85
- 84636 RUNGE, S. Pseudo-aphthous stomatitis of cattle. (In Polish.) Med. Weter. 7:295-297. Ref. May 1951. 41.8 M463
English summary.
- 84637 RUNGE, S., and others. The ring test (A.B.R.) for the diagnosis of brucellosis in cattle. (In Polish.) Med. Weter. 7:370-372. Ref. June 1951. 41.8 M463
T. Kosiński, A. Chwojnowski, and T. Dziubek, joint authors.
- 84638 RUSHFORD, B. H. Contagious abortion (brucellosis) of dairy cattle. Victoria. Dept. Agr. J. 49:229-231. May 1951. 23 V66J
- 84639 SACEGHEM, R. VAN. Un remède spécifique contre la thellériose. Rev. de Path. Compar. 51:134. Feb.1951. 44.8 R326
Coleus aromaticus for treatment of cattle.
- 84640 SCHAEZT, F., and BUSS, W. Ist eine übertragung der brucellose (abortus Bang) auf rinder durch ratten möglich? Monatsh. f. Prakt. Tierheilk. (n.s.):3:136-141. 1951. 41.8 M74
- 84641 SCHEU. Stand des seuchenhaften verkalbens (rinderbrucellose) in Nordwürttemberg. Württemb. Wchnbl. f. Landwirt. 118:625. Aug.4,1951. 18 W96
- 84642 SCHLAAK, W. Beitrag zur behandlung der endometritis des rindes. Tierärztl. Umschau 6:328-329. Sept.1951. 41.8 T445
- 84643 SCHULTZ, C. Die bekämpfung der rinder-tuberkulose in Schweden. Monatsh. f. Prakt. Tierheilk. (n.s.):3:178-186. 1951. 41.8 M74
- 84644 SCHULTZ, L. B. Über die resistenz der tuberkelbakterien im freien und über die infektionsmöglichkeiten von rindern auf der weide unter besonderer berücksichtigung der jungrinder. Landwirt. Jahrb. f. Bayern 28(5/6):86-90. Ref. May/June 1951. 18 L24
- 84645 SIMON, J., SPENCER, G. R., and SCHENK, M. Penicillin in oil retention vehicles in the treatment of streptococcic mastitis. Vet. Med. 46:387-389. Oct.1951. 41.8 M69
- 84646 SPÖRRI, H. Physiologie der wiederkäuer-vormägen. Schweiz. Arch. f. Tierheilk. 93(spec.no.):1-28. Ref. Apr.1951. 41.8 Sch9
English summary.
Cattle.
- 84647 STEELE-BODGER, A. Streptomycin as a bactericidal agent against Corynebacterium pyogenes and Staphylococcus aureus infections in dairy cattle. Vet. Rec. 63:564-565. Sept.1,1951. 41.8 V641
- 84648 THOMSON, G. G. Blackleg or blood-poisoning. Canterbury Chamber Com. Agr. B. 263,4 p. June 1951. 23 C162
Cattle and sheep.
- 84649 TIBITANZL, J. Ein jahr rindertuberkulose-bekämpfung in Niederösterreich. Landwirtschaft 15/16:230-231. (Cont.) Aug.1951. 19 L235
- 84650 TREVINO, G. S. White muscle disease. Southwest. Vet. 4(4):17-18. May 1951. 41.8 So82
In calves and lambs.
- 84651 TURNER, C. W. The effect of mild hypo- and hyperthyroidism on reproduction. Natl. Egg Transfer Breeding Conf. Proc. 1:35-38. Ref. 1951. 41.9 N219
Cattle.
- 84652 ULBERG, L. C., CHRISTIAN, R. E., and CASIDA, L. E. Ovarian response in heifers to progesterone injections. J. Anim. Sci. 10:752-759. Aug.1951. 49 J82
- 84653 U. S. BUR. OF ANIMAL INDUSTRY. Record of tuberculin testing; cooperative tuberculosis eradication work, fiscal year 1951. Washington?1951. 1 p. 1.9 An533Ra
Cattle.
- 84654 U. S. BUR. OF ANIMAL INDUSTRY. Record of tuberculin testing; cooperative tuberculosis eradication work, 1917-1951, incl. Washington?1951. 1 p. 1.9 An533R
Cattle.
- 84655 U. S. BUR. OF ANIMAL INDUSTRY. Statement of indemnity claims and averages in cooperative Bang's disease eradication work, fiscal year 1951. Washington?1951. 1 p. 1.972 A2St23
- 84656 VERGE, J. Les applications du bacille tuberculeux de type murin (vole-bacillus) à la vaccination antituberculeuse. Rev. de Path. Compar. 51:165-168. Mar.1951. 44.8 R326
Includes cattle.
- 84657 WEIPERS, W. L. A study of calf diseases. Vet. Rec. 63:557-563. Sept.1,1951. 41.8 V641
Includes discussion.
- 84658 WELCH, H. Disease, diet deficiencies cause short calf crops. Mont. Farmer-Stockman, Aug.1,1951:72-73. 6 M764

84659 WHEN the milk drops—look out for ketosis. *Farmers Wk. [London]* 35(9):51,53. Aug. 31, 1951. 10 F2226

84660 WILKINS, H. F. Disease control and improved nutrition in the production of more beef. *Mont. Stockgrower* 23(8):4-7. Aug. 15, 1951. 49 M76

84661 WOODS, G. T. Beware of bloat. *Breeder's Gaz.* 116(8,1.e.9):13. Sept. 1951. 49 B74
In cattle.

Miscellaneous

84662 ARSENAULT, L. L'été de la vache laitière. *Foyer Rur. [Montreal]* 10(10):4,19. Aug. 1951. 7 F83

84663 ASDONK, T. Rationelle rindviehhaltung im urteil der praxis. *Landwirt. Z. der Nord-Rheinprov.* 118:480-481. June 2, 1951. 18 L2344

84664 BAILEY, J. W. Drying off cows. *Hoard's Dairyman* 96:714. Sept. 10, 1951. 44.8 H65

84665 BAKER, M. Beef cattle production in Northern Australia. *Zebu J.* 2(12):8,25-26. May 1951. 43.8 Z12

84666 BALCH, C. C., BARTLETT, S., and JOHNSON, V. W. Apparatus for the separate collection of faeces and urine from cows. *J. Agr. Sci.* 41:98-101. Jan./Apr. 1951. 10 J822

84667 BELL, F. W. How can I become a better judge? *Shorthorn World* 36(10):116-119. Aug. 10, 1951. 43.8 Sh8

84668 BELL, J. Florida cattle raising has fine future. *Cow Country* 79(2):7,25. Aug. 15, 1951. 49 C83

84669 BIRATH, B. Community measures for improving dairy farming. (In Swedish.) *Lantbrtidskr. f. Dalarna* 3:100-103. June 1951. 11 L29

84670 BLAU, G. Leistungsschwankungen bei umstellung auf maschinenmelken und weidegang. *Neue Mitt. f. die Landwirt.* 6:230-232. Apr. 14, 1951. 18 N39

84671 BOOTH, R. L. Integrity—the basis of the purebred industry. *Shorthorn World* 36(10):77,340. Aug. 10, 1951. 43.8 Sh8
Marking cattle.

84672 BREWSTER, L. Increased beef production versus federal price controls. *Mont. Stockgrower* 23(7):4-6. (Cont.) July 15, 1951. 49 M76

84673 BRIGGS, H. M. What kind of a farm do I need for cattle? *Shorthorn World* 36(10):107-108. Aug. 10, 1951. 43.8 Sh8

84674 BROOKES, A. J. Some aspects of rearing cattle for beef. *Farmers' Club. J.* 5:64-82. 1951. 10 L84
Includes discussion.

84675 BROUGHTON, A. Smart to pamper fresh cows; with cows and calves both bringing high prices, extra care at freshening time is good business. *Wis. Agr. & Farmer* 78(15):4. Aug. 4, 1951. 6 W751

84676 BROWN, P. T. What kind of a farm do I need for Shorthorns? *Shorthorn World* 36(10):108-109. Aug. 10, 1951. 43.8 Sh8

84677 CURRIE, C. G. Cattle in Africa. *Amer. Cattle Prod.* 33(4):11-12. Sept. 1951. 49 P94

84678 DALBERG, P. M. Age and milk liter; two deciding factors in the economy of milk production. (In Norwegian.) *Landbrukstidende* 57:363-365. May 9, 1951. 11 L236

84679 DONALDSON, W. Fitting cattle for show and sale. *Shorthorn World* 36(10):122-124. Aug. 10, 1951. 43.8 Sh8

84680 DRENNER, W. E. Land of opportunity. *Livestock Wk.* 5(38):10-A, 34, 34-B, 34-D, 37-39. July 26, 1951. 49 L753

Cattle raising in Southern States.

84681 DUER, R. What do I need to know about the care and grooming of cattle? *Shorthorn World* 36(10):124-125. Aug. 10, 1951. 43.8 Sh8

84682 EFRONI, E. Imported cattle & their acclimatization. (In Hebrew.) *Hassadeh* 31:404-406. May 1951. 26 H27

84683 ENGELER, W., and BAUMGARTNER, T. Vorbericht auf die verbandszuchstiermärkte 1951. *Schweiz. Brauvieh-zuchtverband. Mitt.* 3:84-91. Aug. 1951. 43.9 Sch93M

84684 FOOT, A. S. Interesantes conclusiones se derivan de un estudio de la velocidad en el ordeño. *Res* 19:26183. July 20, 1951. 286.85 R31

84685 FRANCK. Leistungsmelken in Bayern. *Tier-züchter* 3:449-452. Aug. 20, 1951. 49 T445

84686 GAVLEBORGS LÄNS KONTROLLFÖRENING. Redogörelse för kontrollföreningsverksamheten inom Gävleborgs län kontrollåret 1948-1949 samt styrelse- och revisionsberättelse 1948-1949 för Gävleborgs läns Kontrollförening [Report of the dairy herd improvement associations in Gävleborg Province during 1948-1949 and management and audit report, 1948-1949, of Gävleborg Province Dairy Herd Improvement Association]. Gävle, 1950. 60 p. 11 G24

84687 GIFFORD, B. Do Milking Shorthorn breeders overlook rate of gain or weight for age? *Milking Shorthorn J.* 32(9):34-35. Sept. 1951. 43.8 M59

84688 GMELIN. Die süddeutschen milchleistungen. *Württemberg. Wchnbl. f. Landwirt.* 118:684-685. Aug. 25, 1951. 18 W96

84689 GORDON, G. E. Culling cows from D.H.I.A. herds. *Calif. Dairyman* 31(16):12. Sept. 8, 1951. 44.8 C12

84690 GÜNTART, A. Gedanken zum offenstall. *Grüne* 79:692-693. June 22, 1951. 17 Sch9
For dairy cattle.

84691 HEIDEBRECHT, C. O. What Kansas floods did to Milking Shorthorn breeders. *Milking Shorthorn J.* 32(9):1-2, 41. Sept. 1951. 43.8 M59
Cattle losses and pasture damage.

84692 HOLLEY, A. L., and HEAD, T. P. Raising dairy calves. *Ark. Agr. Col. Ext. C.* 454, rev., 7 p. May 1951. 275.29 Ar4

84693 HOLMBERG, P. Practical advice for raising calves. (In Swedish.) *Västerbotten* 1:20-22. Feb. 1950. 11 V442

84694 KEHR, H. Landwirtschaftlicher betrieb und kuhstall. *Kontrollangestellte*, p. 2-3. In *Unser Milchvieh* 3(6). June 1951. 43.8 Un7
Management and returns.

84695 KLUSSENDORF, R. C. The show herd; preparation, fitting and showing. *Canad. Jersey Breeder* 6(7):8, 44-53. July 1951. 43.8 C165

84696 KRISLOK, B. Hygienic herd control in connection with the new dairy herd improvement regulation. (In Norwegian.) *Meieriposten* 40:533-534. July 28, 1951. 44.8 M47

84697 LANCASTER, R. M. Manager-owner partnerships. *Shorthorn World* 36(10):218-219. Aug. 10, 1951. 43.8 Sh8

84698 LEVY, M. How to raise calves for beef. (In Hebrew.) *Hassadeh* 31:403-404. May 1951. 26 H27

84699 LUCAS, H. L. Bias in estimation of error in change-over trials with dairy cattle. *J. Agr. Sci.* 41:146-148. Jan./Apr. 1951. 10 J822

84700 LUND, L. Work of the dairy herd improvement associations. (In Danish.) *Dansk Landbr.* 70:265-266. June 7, 1951. 280.28 V91

84701 LYONS, J. Milk yields of Danish cows. *Landmark* 8(8):6. Aug. 1951. 281.28 L23

84702 MCCANN, L. P. Community asset—northwest Nebraska's annual Chadron [Hereford] show. *Amer. Hereford J.* 42(9):14-15, 140. Sept. 1, 1951. 43.8 Am32

84703 MAHADEVAN, P. The effect of environment and heredity on lactation. I-III. *J. Agr. Sci.* 41:80-97. Ref. Jan./Apr. 1951. 10 J822

I, Milk yield; II, Persistency of lactation; III, Butterfat percentage.

84704 MASTERS, M. E. "Horse racing" test cows; do big records come from "horse racing" cows, or are they just the result of good herd management? *Hoard's Dairyman* 96:730-731. Sept. 25, 1951. 44.8 H65

84705 MIDDLETON, T. H. A university and the cattle industry; Louisiana's progress and opportunities in beef cattle production. *Shorthorn World* 36(11):11-12, 61-62. Aug. 25, 1951. 43.8 Sh8

84706 MIRACLE, R. Easy pickin's. *Mont. Stockgrower* 23(8):16, 24. Aug. 15, 1951. 49 M76
Cattle theft.

84707 MOOREHOUSE, S. Dairy-farming in Yorkshire; the wisdom of breeding on traditional lines is shown by the high milk yields of the Hesley Hall herd. *Field* 198:218-219. Aug. 11, 1951. 10 F45

84708 NAI, D. D. A herd of healthy [dairy] cattle. (In Italian.) *Riv. di Zootec.* 24:101-104. Mar. 1951. 49 R52

84709 NIELSEN, K. E. The cattle at Samsø. (In Danish.) *Husmandshjemmet* 22:8. May 29, 1951. 11 H963

84710 OLSSON, E. The current production discussion. (In Swedish.) *Lantbrtidskr. f. Dalarna* 3:85-89. June 1951. 11 L29

Milk production in Dalarna.

- 84711 OLSSON, V. Beef cattle. (In Swedish.) Tidskr. f. Hushållsk. och Skogsvårdsstyr. i Gävleborgs Län 26: 182-184. 1950. 11 T434
- 84712 PASSINO, F. Outlook for cattle raising in the reclamation zones of Sardinia. (In Italian.) Allevatore 7 (20):1-2. May 20, 1951. 49 AL55
- 84713 PICCOLI, G. Notes on the 2d Interregional Cattle Show at Padua. (In Italian.) Agr. delle Venezie 5: 411-418. Aug. 1951. 16 Ag826
- 84714 PRICE, J., JR. Weight records in purebred program. Shorthorn World 36(10):171-174, 294. Aug. 10, 1951. 43.8 Sh8
- 84715 REDSHAW, G. E. Care and management of dairy cattle. Jamaica. Dept. of Agr. Ext. C. 41, 12 p. Oct. 1950. 275.249 J22
- 84716 RENFORS, O. Observations on exterior judging. (In Swedish.) Lantmannen 35:346. Apr. 28, 1951. 11 L234
- Dairy cattle.
- 84717 RODÓN, J. M. Explotación del vacuno de leche. Cult. Mod. 34:209-210. June 1951. 15 C89
- 84718 ROSE, H. C. Cow and calf care. Shorthorn World 36(10):365, 452-454. Aug. 10, 1951. 43.8 Sh8
- 84719 ROY, J. B. Bovins de boucherie. Digeste de l'Eleveur 5(10):15-16. June 1951. 49 D56
- 84720 SCHÄRINGER, R. Richtige anwendung von melk-fett steigert die milchqualität. Allgäuer Bauernbl. 19: 386-387. July 19, 1951. 18 AL53
- 84721 SCHÖNBERG, F. Zur bedeutung der euter- und zitzenreinigung für die gewinnung keimarmer trinkmilch, insbesondere vorzugsmilch. Lebensmitteltierarzt 2:106-110. July 1951. 41.8 L49
- 84722 SCHWARTZ, D. On a dairyherd in a moshav. (In Hebrew.) Hassadeh 31:403. May 1951. 26 H27
- 84723 SNYDER, B. The saga of a steer. Breeder-Stockman 13(4):9-12. Sept. 1951. 49 V81
- Production of quality beef.
- 84724 THIERLING, E. Die milchleistungsprüfungen im bereich der Landwirtschaftskammer Hannover im kontrolljahr 1950. Kontrollangestellte, July 1951:2-3; Aug. 1951:1-2. In Unser Milchvieh 3(7-8). July-Aug. 1951. 43.8 Un7
- 84725 THOMPSON, C. Recomendaciones para producir leche limpia de buena calidad. Serv. Coop. Inter-amer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr. 21:60-62. Feb. 1951. 9.8 P4352
- Cattle care and dairy sanitation.
- 84726 TOWNSEND, T. L. A well managed dairy farm (Extr.) Holstein-Friesian J. 14(6):23-24, 26. Sept. 1951. 43.8 H743
- 84727 TROEGER, L. E. Youth—a gilt edge investment. Shorthorn World 36(10):43, 439-440. Aug. 10, 1951. 43.8 Sh8
- 4-H beef projects.
- 84728 UNGELENK, Z. Zum leistungsabschluss 1950/51 der herdbuchgesellschaft Südhannover-Braunschweig. Tierzüchter 3:458-460. Aug. 20, 1951. 49 T445
- Cattle.
- 84729 VELLACOTT, A. S. Much lip service is paid to steaming up the calving cow, but real success comes from method. Farmer & Stock-Breeder 65(3227):79-80. Aug. 28, 1951. 10 F228
- Records of calving dates and milk production.
- 84730 VERHOEVEN, P. Factors that effect the fat content. (In Dutch.) Stamboek 33:93. Aug. 2, 1951. 43.8 V58
- Of milk.
- 84731 VILLENEUVE, P. La non-délivrance diminue la production des vaches. B. des Agr. 47(5):85. May 1951. 7 B872
- 84732 WEHMEYER, L. Leistungs-melken anlässlich der DLG-ausstellung. Bl. f. den Melker, p. 1-2. In Unser Milchvieh 3(6). June 1951. 43.8 Un7
- 84733 WINNIGSTEDT, R. Förderung der milch-leistungsprüfungen in Europa. Allgäuer Bauernbl. 19: 387. July 19, 1951. 18 AL53
- 84734 WITT, M. Die fleischerzeugung, das stiefkind in der rinder-leistungsprüfung. Tierzüchter 3:417-420. Aug. 5, 1951. 49 T445
- 84736 DUINN, S. O. Must basic characteristics be discarded to improve the Kerry Blue? Dog World [Bradford] (n.s.):34:772. May 18, 1951. 48.8 D674
- 84737 DUREL, P. A. Nos chiens: le Cocker Spaniel. Elevage et Cult. 3(28):29. Apr. 1951. 24 EL2
- 84738 FIORONE, F. The Boxer. (In Italian.) Riv. di Zootec. 24:84-87. Mar. 1951. 49 R52
- 84739 GORDON, J. F. The Staffordshire Bull Terrier is 150 years old. Dog World [Bradford] (n.s.):34:755-756. May 18, 1951. 48.8 D674
- 84740 HEROLD, F. Where pure-bred owners can be of aid; solving appalling problem of strays calls for our help. Amer. Kennel Gaz. 68(8):18-20, 34. Aug. 1951. 48.8 Am3
- 84741 IRICK, M., JR. Tail male line of top producing Cockers. Wagging Tail 6(3):9-11. Aug. 1951. 48.8 W12
- 84742 JUDY, W. The cost of producing pedigreed puppies. Dog World [Chicago] 36(5):10. May 1951. 48.8 D672
- 84743 KENNEL CLUB. The Kennel Club calendar & stud book for the year 1950; the only record published in England of dog shows and field trials, v. 78. London, 1951. 1030 p. 48.9 K39
- 84744 PHILLIPS, J. M. How color is transmitted in dogs. II-IV. Cocker Spaniel Visitor 13(6):7-12; (7):10-15; (8):13-14. June-Aug. 1951. 48.8 C64
- 84745 SMITH, A. C. Great Danes recover; since the 1890's they have had two serious setbacks; but they have lately regained their great popularity with exhibitors. Field 198:191. Aug. 4, 1951. 10 F45
- 84746 SMITH, A. C. Introducing foreign dogs; the importer of new breeds takes a gamble; but a forthcoming show should give many their opportunity. Field 198:115. July 21, 1951. 10 F45
- 84747 SOYA-JENSEN, E. Gravhunden [The Dachshund]. København, Clausen, 1950. 40 p. 48 So9G
- 84748 STEFFENS, H. Der Deutsche Schäferhund. Deut. Kleintier-Züchter 6:1-2. July 20, 1951. 49 Su22
- 84749 TÖNSAGER, E. Should a dog be primarily masculine and a bitch primarily feminine? (In Norwegian.) Norsk Kennel Klub. Tidskr. 52:112-117. June 1951. 48.9 N81T
- In connection with breeding.

Feeds and Feeding

- 84750 HANSEN, A. E., WIESE, H. F., and HOLMES, S. G. Fat in the diet in relation to nutrition of the dog. I-IV. Tex. Rpt. Biol. & Med. 9:491-570. Ref. Fall 1951. 448.8 T31
- I-III, by A. E. Hansen and H. F. Wiese; IV, by A. E. Hansen, S. G. Holmes, and H. F. Wiese.
- 84751 SEWELL, R. L. The importance of vitamins and minerals. Dog World [Bradford] (n.s.):34:1200. Aug. 3, 1951. 48.8 D674

Veterinary Medicine

- 84752 ALTMAN, I. E. Treatment of canine coccidiosis (Isospora bigemina) with aureomycin. Amer. Vet. Med. Assoc. J. 119:207-209. Sept. 1951. 41.8 Am3
- 84753 AREBA B., J. DE. Un caso de sarna demodectica follicular tratado con clordano. Agr. Venezol. 15 (147):34. Oct./Nov. 1950. 9.95 Ag8
- English summary.
- Demodex folliculorum.
- 84754 AUBERT, J. Observation d'un cas d'actinomyose maxillaire chez le chien. Rev. de Path. Compar. 61:276-278. Apr. 1951. 448.8 R326
- English summary.
- 84755 BARAC, G. Recherches sur la brûlure; sympathicolytiques, adrénaline, l-artérénol et diurèse aqueuse chez le chien normal et le chien brûlé. Arch. Internat. de Pharmodyn. et de Théor. 86:245-248. Apr. 1, 1951. 448.8 Ar226
- 84756 BIRCHER, I. G. Possible warfarin poisoning. Vet. Med. 46:416. Oct. 1951. 41.8 M69
- In a dog.
- 84757 BRUNNER, K. T., SCHEITLIN, M., and STUNZI, H. Zum serologischen nachweis der hepatitis contagiosa canis; zugleich untersuchungen über die frequenz der leptospirosen beim hund. Schweiz. Arch. f. Tierheilk. 93:443-458. Ref. July 1951. 41.8 Sch9
- English summary.
- 84758 CHAMBERS, W. W., and SPRAGUE, J. M. Differential effects of cerebellar anterior lobe cortex and fastigial nuclei on postural tonus in the cat. Science 114: 324-325. Sept. 28, 1951. 470 Sci2

DOGS AND CATS

Breeds and Breeding

- 84735 BARNES, R. C. Versatile German Shorthaired Pointer. Outdoors Ill. 18, i.e. 17(2):18-19. Spring 1951. 279.9 IL61L

- 84759 CONGIU, S. Trypanosoma evansi transmitted in the cat by oral and rectal means. (In Italian.) Soc. Ital. di Med. e Ig. Trop. Sez. Eritrea di Med. Umana e Vet. B. 10:171-175. 1950. 448.9 So16
English summary.
- 84760 DARLEY, C. S. Shoulders and necks. Dog World [Bradford] (n.s.)34:874. June 8, 1951. 48.8 D674
- 84761 EDWARD, D. G. FF., and FITZGERALD, W. A. The isolation of organisms of the pleuropneumonia group from dogs. J. Gen. Microbiol. 5:566-575. Ref. Aug. 1951. 448.3 J823
- 84762 EL HINDAWY, M. R. Studies on the blood of dogs. VI. Brit. Vet. J. 107:303-309. July 1951. 41.8 V643
Findings in diseases.
- 84763 ENZIE, F. D. Do whipworms occur in domestic cats in North America? Amer. Vet. Med. Assoc. J. 119: 210-213. Sept. 1951. 41.8 Am3
Capillaria found.
- 84764 FARLEY, T. First aid for sporting dogs. Wyo. Wild Life 15(6):28-31. June 1951. 412.9 W993
- 84765 GOLDMAN, C., and ESPIN, J. Leptostirosis canicola, primer caso comprobado en Venezuela. Acta Cient. Venezol. 2:23-25. Jan./Feb. 1951. 475 Ac83
- 84766 GOULD, E. Diseases and ills of dogs. Bloodlines 34(5):3, 23-24. July/Aug. 1951. 48.8 B62
Includes injuries.
- 84767 GUNTER, R., HARDING, H. G. W., and STILES, W. S. Spectral reflexion factor of the cat's tapetum. Nature [London] 168:293-294. Aug. 13, 1951. 472 N21
- 84768 HODDER, C. Chronic pancreatitis in a dog. Vet. Med. 46:416-417. Oct. 1951. 41.8 M69
- 84769 HOFMEYER, C. F. B. Oophorectomy of the bitch. So. African Vet. Med. Assoc. J. 22:75-79. June 1951. 41.8 So8
- 84770 JANOWSKI, H. Antirabies vaccine and the vaccination of animals in Poland. (In Polish.) Med. Weter. 7:288-294. May 1951. 41.8 M463
English summary.
Dogs and sheep.
- 84771 JENSEN, H. E. Clinical studies on the use of new terramycin ophthalmic preparations. Vet. Med. 46: 417-418. Oct. 1951. 41.8 M69
Dogs and cats.
- 84772 KNIGHT, G. C. The diagnosis and treatment of oesophageal impaction in dogs with special reference to transthoracic oesophagotomy. Vet. Rec. 63:543-548. Aug. 25, 1951. 41.8 V641
- 84773 KONDE, W. N. Hints for the small-animal practitioner. (Abs.) No. Amer. Vet. 32:623-624. Sept. 1951. 41.8 N812
Parturition in dogs.
- 84774 LAWRENCE, D. E. Uric acid determination as a test of liver function in the dog; case report. No. Amer. Vet. 32:624, 626. Sept. 1951. 41.8 N812
- 84775 LUMB, W. V. Repair of fractured metatarsals with Kirschner splints. Sowest. Vet. 4(4):38-40. May 1951. 41.8 So82
Case of a dog.
- 84776 MCCAY, C. M. Comparable age changes in the dog, rat, and hamster. (Abs.) J. Gerontology 6(3,sup.): 123. July 1951. 447.8 J824
- 84777 MARCENAC, N., BORDET, R., and POILVET, R. Luxation coxo-fémorale du chien et du chat: son traitement par vissage transarticulaire de la tête du fémur. Rec. de Méd. Vét. 127:207-221. Apr. 1951. 41.8 R24
- 84778 MARTIN, H. M. The apparent relation of certain neoplasms in domestic animals to senescence. (Abs.) J. Gerontology 6(3,sup.):122. July 1951. 447.8 J824
Appearance in cats.
- 84779 MAURY. Abscess tuberculeux à suite d'une injection sous-cutanée d'huile camphrée. Rev. de Path. Compar. 51:252. Apr. 1951. 448.8 R326
Case of a dog.
- 84780 MEYER, K. F. Prevention of canine leptospirosis. Wagging Tail 6(3):2. Aug. 1951. 48.8 W12
- 84781 OTTEN, E. Trichloräthylen (Trichloran "Merck") als inhalationsanästhetikum in der kleintierpraxis. Tierärztl. Umschau 6:302-304. Sept. 1951. 41.8 T445
Dogs and cats.
- 84782 PALMER, G. F. Mortality in young puppies. New Zeal. Dog World 6:3. Feb. 1951. 48.8 N48
- 84783 PARKIN, B. S. Hypertrophic pulmonary osteoarthropathy in a dog. So. African Vet. Med. Assoc. J. 22: 69-74. June 1951. 41.8 So8
- 84784 PIERCY, S. E. A note on canine filariasis. Brit. Vet. J. 107:311-314. July 1951. 41.8 V643
- 84785 PRÉVOT, A. R., MAZUREK, C., and TARDIEUX, P. Recherches comparatives sur Actinobacterium cellulitis et Actinobacterium baudeti. Inst. Pasteur. Ann. 81(2):173-178. Ref. Aug. 1951. 448.3 An75
In dogs and cats.
- 84786 RICKETTS, V. L. Kennels can be worm-free. All-Pets Mag. 22(8):42-43. (Cont.) Aug. 1951. 48.8 AL5
- 84787 ROBINSON, V. B., MCVICKAR, D. L., and PETERSON, J. C. Some aspects of the epizootiology of histoplasmosis in two Boxer breeding kennels. Amer. Vet. Med. Assoc. J. 119:195-200. Ref. Sept. 1951. 41.8 Am3
- 84788 STEAD, P. Y. A case of faecolith in the dog causing acute intestinal impaction. Vet. Rec. 63:553. Aug. 25, 1951. 41.8 V641
- 84789 STEFFENS, H. Richtiges kupieren der ruten. Deut. Kleintier-Züchter 6(12):5. June 20, 1951. 49 Su22
- 84790 SULKIN, N. M. Histochemical studies of autonomic ganglion cells in relation to aging in the dog. (Abs.) J. Gerontology 6(3,sup.):153. July 1951. 447.8 J824
- 84791 SULMAN, F. G. Mercuric poisoning in a dog and its treatment with BAL. (In Hebrew.) Refuah Vet. 8: 17. Feb. 1951. 41.8 R25
English summary, p. 28.
- 84792 SULMAN, F. G. The present state of distemper research. (In Hebrew.) Refuah Vet. 8:39-42. May 1951. 41.8 R25
English summary, p. 56-55.
- 84793 SZCZUDŁOWSKA, M. Developmental disorders as the result of the regulation disturbances of the hypophysis of the dog. (In Polish.) Med. Weter. 7:308-311. May 1951. 41.8 M463
- 84794 SZYFELBEJN, E. Eclampsia and its treatment in bitches by means of an electric faradic current. (In Polish.) Med. Weter. 7:392-395. Ref. June 1951. 41.8 M463
French summary.
- 84795 TROY, M. A. Hormone therapy. Amer. Vet. Med. Assoc. J. 119:192-193. Sept. 1951. 41.8 Am3
Effect of androgens on dogs.
- 84796 VOSS, U. Juckreiz und ekzem in pathogenese und therapie. Tierärztl. Umschau 6:313-317. Ref. Sept. 1951. 41.8 T445
Dogs.
- 84797 WHIPPLE, G. H., and ROBSCHKEIT-ROBBINS, F. S. Anemia plus hypoproteinemia in dogs; various proteins in diet show various patterns in blood protein production. J. Expt. Med. 94:223-242. Sept. 1, 1951. 448.8 J822
- 84798 WHITNEY, L. F., WHITNEY, G. D., and MARTIN, L. A study of canine fecal examinations. Vet. Med. 46:377-382, 418. Oct. 1951. 41.8 M69
Worms and parasites.
- 84799 ZURECK, F., and SCHWARZ, I. Untersuchungen über das auftreten von leptospireninfektionen bei Berliner hunden. Tierärztl. Umschau 6:325-328. Ref. Sept. 1951. 41.8 T445

Miscellaneous

- 84800 BARNES, M. Obedience and lead training. Dog World [Bradford] (n.s.)34:1200. Aug. 3, 1951. 48.8 D674
- 84801 BINNS, F. W. You don't have to lose puppies. Amer. Kennel Gaz. 68(9):16-20, 109. Sept. 1951. 48.8 Am3
Pre-natal care of bitch, and feeding and care of pups.
- 84802 BROWN, B. Training the Retriever. N. Dak. Outdoors 13(11):8-9, 14, 18. May 1951. 412.9 N815
- 84803 CRUSAFONT PAIRO, M. El primer representante del género Canis en el Pontense eurasiático (Canis cipio nova sp.). Soc. Españ. de Hist. Nat. B. Secc. Geol. 48:43-51. Ref. 1950. 403 So1
- 84804 CRYMES, H. W. Lack of entries, lack of points—why? Cocker Spaniel Visitor 13(8):15-16. Aug. 1951. 48.8 C64
On showing dogs.
- 84805 HEILER, F. Haarpflege des hundes. Deut. Kleintier-Züchter 6:2-3. July 20, 1951. 49 Su22
- 84806 HESS, R. G. Plane travel can be the best for dogs. Amer. Kennel Gaz. 68(8):21, 349-350. Aug. 1951. 48.8 Am3
- 84807 HILBRIG. Der richterspruch auf zucht- und gebrauchsprüfungen. Pirsch 3:520-521. July 7, 1951. 410 P66

84808 HORSWELL, L. A. Combined competition vs. registrations. 5-7. Amer. Kennel Gaz. 68(8):25-31, 348-349; (9):21-27, 255-256; (10):27-32, 301-304. Aug.-Oct. 1951. 48.8 Am3

84809 JENKINS, M. S. Education is needed to protect our dogs. Amer. Kennel Gaz. 68(9):15, 252. Sept. 1951. 48.8 Am3

Restrictions on dogs running loose.

84810 KALBHENN, H. Beobachtungen zur Frage des Wortverständnisses beim Hunde. Z. f. Tierpsychol. 8: 144-146. May 1951. 410 Z35

84811 KING, B. Moral responsibility. Cocker Spaniel Visitor 13(7):6-9. July 1951. 48.8 C64

Dog associations.

84812 LOWRY, R. K. The vicious dog menace. All-Pets Mag. 22(8):39, 41. Aug. 1951. 48.8 AL5

84813 MITCHELL, L. M. How to soften the impact of school; your young child's whole life can be shaped by a puppy. Amer. Kennel Gaz. 68(8):12-14, 34. Aug. 1951. 48.8 Am3

84814 O'NEILL, G. Successful cat show management. All-Pets Mag. 22(8):45, 50. (Cont.) Aug. 1951. 48.8 AL5

84815 PFAFFENBERGER, C. J. Dog shows haven't spoiled our dogs. Amer. Kennel Gaz. 68(9):11-14, 253-255. Sept. 1951. 48.8 Am3

84816 RODE, R. Importance of standards for judging, especially with regards to hunting dogs. (In Norwegian.) Norsk Kennel Klub. Tidsskr. 52:102-104. June 1951. 48.9 N81T

84817 ROTH, U. Hund und attrappe. Z. f. Tierpsychol. 8:140-143. May 1951. 410 Z35

Mating behavior.

84818 SAUNDERS, H. P. Judging qualities. New Zeal. Dog World 6(4):3-5. May 1951. 48.8 N48

84819 SIX, J. Etude sur la façon de dresser un chien pour la défense ou le pistage, mener un aveugle, garder un troupeau. IV. Conduite du chien en laisse. Chasse, Chiens et Vénérerie (n.s.) 12(7):32-34. Aug. 1951. 48.8 C43

84820 SOLALINDE, A. G. Filologia veterinaria: sobre la fecha de "perro." B. de Zootec. 7:151-153. May 1, 1951. 41.9 S616

84821 TONSAGER, E. Principles for judging dogs on exhibitions, service tests and hunting tests. (In Norwegian.) Norsk Kennel Klub. Tidsskr. 52:104-112. June 1951. 48.9 N81T

FUR ANIMALS - PEN RAISED

Breeds and Breeding

84822 ABRAMOV, M. D. On utilizing the mink males. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):38-41. Jan./Feb. 1951. 49 K14

84823 HÖIE, J., and RIMESLATTEN, H. Experiments in feeding proteins, fats and carbohydrates at different levels to Silver- and Bluefoxes. (In Norwegian.) Norges Landbrøggsk. Meld. 30:313-402. 1950. 104 N762M

English summary.

84824 KULICHKOV, B. A. In regard to the technique of mating minks. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):57-59. Jan./Feb. 1951. 49 K14

84825 MARSH, F. R. Producing the Sapphire mink. Natl. Fur News 23(8):20, 34-35. Sept. 1951. 412.628 R59

84826 WALTER, H. H. Ueber die Vererbung von Mutationsföhen. Österr. Kleintierzüchter 13/14:985-986. July 1951. 49 Os7

Feeds and Feeding

84827 RIMESLATTEN, H. Experiments in feeding bigger Silver foxes, Blue foxes and mink kits once and twice a day. (In Norwegian.) Dansk Pelsdyravl 14:168-170, 179-182. July 1, 1951. 412.628 D23

84828 RIMESLATTEN, H. Experiments with cooking of carbohydrate feed for Silver fox, Blue fox and mink cubs. (In Norwegian.) Norsk Pelsdyravl. 25:329-337. Aug. 5, 1951. 412.628 N812

84829 ROBERTS, W. L. Harmful effects of fats on mink reproduction. Amer. Natl. Fur & Mkt. J. 30(2):3, 11-13. Sept. 1951. 412.629 Am3M

Also in Black Fox Mag. & Mod. Mink Breeder 35(4):12-13, 26-27, 28, 31; (5):40-41. Aug.-Sept. 1951. 410 B56

Veterinary Medicine

84830 CHETYRKIN, V. A. Ascorbic acid as a control measure for "red-paw disease" in foxes and wetting in sables. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):74. Nov./Dec. 1950. 49 K14

84831 CHETYRKIN, V. A. Determination of pregnancy in foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):59. Jan./Feb. 1951. 49 K14

84832 GUNN, C. K. Control of fox parasites. Natl. Fur News 23(8):18-19, 28-29, 31, 33, 35-36. Sept. 1951. 412.628 R59

84833 HAGE, Kokzidiose bei sumpfbibern und ihre behandlung. Österr. Kleintierzüchter 9/10:955. May 1951. 49 Os7

84834 HANDER, R. Tapeworm cyst in a chinchilla. Sowest. Vet. 4(4):42. May 1951. 41.8 S82

84835 MALYSHEV, K. G. On causes of stillbirths in fur animals and their prevention. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):78-79. Jan./Feb. 1951. 49 K14

84836 MOMBERG-JØRGENSEN, H. C. The problem of yellow fat in mink is about to be solved. (In Danish.) Dansk Pelsdyravl 14:161-162. July 1, 1951. 412.628 D23

Due to a vitamin E deficiency.

84837 MOMBERG-JØRGENSEN, H. C. Studies on distemper in mink. III. Effect of the food on the potency of vaccination against distemper. (In Norwegian.) Nord. Vetmed. 3:675-680. Aug. 1951. 41.8 N813

English summary.

Miscellaneous

84838 BICKEL, E. Chinchilla and marten. (In Swedish.) Våra Pälstdjur 22:193-195. Aug. 15, 1951. 410 V42

Care.

84839 LIMAS, N. Some coypu problems. (In Swedish.) Våra Pälstdjur 22:195-196. Aug. 15, 1951. 410 V42

Care.

84840 MAKAROV, I. M. Gaušaskil fur animal State Farm of Latvian SSR. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):53-55. Jan./Feb. 1951. 49 K14

84841 MATVEEV, N. N. For exemplary farm organization and for a cultural level on the farm. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):47-49. Nov./Dec. 1950. 49 K14

Mink farm of Gaušaskil Sovkhoz.

84842 PEDERSEN, R. Coypus. (In Swedish.) Våra Pälstdjur 22:179-181, 191-193. July 15-Aug. 15, 1951. 410 V42

Care.

84843 SHISHLOV, V. G. Iglovskil fur animal state farm in the effort for high quality of fur. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):46-47. Nov./Dec. 1950. 49 K14

84844 SOMAVIA, J. DE. Grooming for grand show. Natl. Chinchilla Breeder 7(7):9, 21-22. Sept. 1951. 412.628 N21

84845 SUSINI, A. Nutria in Maremma. (In Italian.) Agr. Tosc. 6:249-250. July 1951. 16 Ag827

Care.

84846 SYCHEV, P. A. Leading fur animal raisers of Saltykovskil State Farm. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):48-52. Jan./Feb. 1951. 49 K14

84847 VAKHRAMEEV, K. A. Twenty years of Saltykovskil fur animal State Farm. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):42-47. Jan./Feb. 1951. 49 K14

84848 VARFOLOMEEV, K. N. Practices of Pfläskil fur animal farm. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):55-57. Jan./Feb. 1951. 49 K14

Raising of Silver-Black foxes.

HORSES AND MULES

Breeds and Breeding

84849 ARABIAN HORSE CLUB REGISTRY OF AMERICA. Arabian stud book, v. 6. sup. 2. Chicago, 1951. 85 p. 42.9 Ar1

84850 ASHTON, J. What we owe to the Arab. Cattleman 38(4):62-63, 162-164, 166, 168-170. Sept. 1951. 49 C29

84851 BASILE, A. The Martina Franca ass breed. (In Italian.) Riv. di Zootec. 24:193-195. June 1951. 49 R52

- 84852 BERLINER, V. R. The nutritional and hormonal aspects of equine reproduction. Blood-Horse 62: 518-519, 528-530. Sept. 15, 1951. 42.8 T392
- 84853 BUENOS AIRES JOCKEY CLUB. Stud book argentino; registro de caballos y yeguas sangre pura de carrera, árabes y anglo árabes, nacidos en la República e importados, v. XIX (1947 a 1950). Buenos Aires, 1951. 1248 p. 42.9 B86S
- 84854 CANADIAN STANDARD BRED HORSE SOCIETY. The Canadian Standard Bred stud book. v. 7, pt. 3. Ottawa, 1951. 144 p. 42.9 C165
- 84855 COCHRAN, K. The C.T.B.A. [California Thoroughbred Breeders Association] its history. Thoroughbred Calif. 12:494, 524-526; 13:34, 64-65, 110, 130-131, 182-183, 193, 258, 276-278. (Cont.) June-Oct. 1951. 42.8 T393
- 84856 CONFORTI, G. Experimental irradiation of horse's sperm with X-ray. (In Italian.) Riv. di Zootec. 24:227-229. July 1951. 49 R52
- 84857 DINSMORE, W. Quarter Horses in the Corn Belt. Cattleman 38(4):59-61. Sept. 1951. 49 C29
- 84858 DOWDALL, R. C. Selection of the Criollo breed. (In Portuguese.) Assoc. dos Criadores de Cavalos Crioulos. An. 16(18):12, 22. 1950, pub. 1951. 42.9 As7
- 84859 FULLAGAR, H. R. Halos to hackamores; El Cortijo puts its Arabians to work. West. Livestock J. 29(48):124, 126-127, 129. Aug. 15, 1951. 6 F2278
- 84860 GAUTREAU, J. J. Préparation des étalons pour la monte. Digeste de l'Eleveur 5(9):21-22. May 1951. 49 D56
- 84861 HAAVE, K. The State exhibition of Dølehest stallions 1951. (In Norwegian.) Norsk Landbr. 17:205-207. May 25, 1951. 11 N8122
- 84862 HOUSTON, S. The Tennessee Walking Horse. Cattleman 38(4):176-178. Sept. 1951. 49 C29
- 84863 KACSUR, A. R., and KEAN, S. The Morgan horse of a century ago—and today. Horse Lover 16(1): 28-29, 60-61. June/July 1951. 42.8 H7852
- 84864 LAURIDSEN, K. P. Horse breeding at Lolland-Falster. (In Danish.) Husmandshjemmet 25:14. June 19, 1951. 11 H963
- 84865 LOIC LALLIE, M. Algunas reflexiones sobre la Raza Criolla Argentina. Cuba Ganad. 11:15-16. Sept. 1951. 49 C89
- 84866 MCGEE, W. R. The handling of young stallions Blood-Horse 62:488, 496. Sept. 8, 1951. 42.8 T392
- 84867 MCGEE, W. R. The testing of young stallions. Blood-Horse 62:590, 606. (Cont.) Sept. 29, 1951. 42.8 T392
- 84868 MARCHAL, G. H. Pedigrees. Rev. Hippique 27:183-186. July 1951. 42.8 R322
- 84869 MILLER, B. Hereditary factors governing the color of horses. Blue Ribbon 13:49, 51, 53, 55, 57. 1951. 42.8 B622
- 84870 NOIROT-NÉRIN, J. Etude comparative des trois grands élevages européens en 1950. Rev. Hippique 27:158-177. (Concl.) July 1951. 42.8 R322
- 84871 NORWAY. STATENS STAMBOKKONTOR FOR HEST. Stambok over Dølehest. Hopper Nr. 16421-17504. Født 1925-1939 [Stud book of Dølehest. Mares, No. 16421-17504. Born 1925-1939]. v. 32. Oslo, 1951. 374 p. 42.9 N83
- 84872 PECKINPAH, R. L. Outstanding Appaloosa bloodlines. 5. Horse Lover 16(1):46-47. June/July 1951. 42.8 H7852
- 84873 PEDERSEN, A. The Fjord horse in its native land. (In Danish.) Husmandshjemmet 27:4, 22. July 3, 1951. 11 H963
- Norway.
- 84874 REIFF. Die züchterische auswertung der pferde-leistungsprüfungen. Tierzüchter 3:414-417. Aug. 5, 1951. 49 T445
- 84875 ROGERS, F. L. The Tennessee Walking Horse in the North. Blue Ribbon 13:34-35, 36. 1951. 42.8 B622
- 84876 ROHLFES. Nachzuchtprämierung der kleinpferdehengste. Landwirtsbl. Weser-Ems 99:677-678. Aug. 2, 1951. 18 L2345
- 84877 SAMMARTANO, A. On the revival of the Pantelleria ass breed. (In Italian.) Riv. di Zootec. 24:95-96. Mar. 1951. 49 R52
- 84878 SHELDON, H. H. Horse of another color. West. Horseman 16(10):10-11, 30-32. Oct. 1951. 42.8 W522
- Appaloosas.
- 84879 TIRRELL, L. How to judge a Morgan colt. Morgan Horse Mag. 11(3):12-13. Apr. 1951. 42.8 M82
- 84880 VOLKMANN, K. "Lupus xx-" und "Wind ox-" nachkommen in Oldenburg Ostfriesland. Landwirtsbl. Weser-Ems 99:674-676. Aug. 2, 1951. 18 L2345
- Horse breeding.

Feeds and Feeding

- 84881 ELAM, F. L. Proper feeding—to keep your horse in condition, utilize pasture, supplement feeds. West. Livestock J. 29(43):120-121, 123. July 15, 1951. 6 F2278

Veterinary Medicine

- 84882 AKERSTROM, R. Sublingual hemorrhage in infectious anemia in horses. Nord. Vetmed. 3:659-674. Aug. 1951. 41.8 N813
- 84883 BEYER, W. Die formol-gel-reaktion als einfacher nachweis von krankhaft verändertem pferdeblut. Tierärztl. Umschau 6:332. Ref. Sept. 1951. 41.8 T445
- 84884 BOGUTH, W. Über eine modifikation der cuboni-reaktion zur schwangerschaftsdiagnose bei der stute. Monatsh. f. Prakt. Tierheilk. (n.s.):3:168-177. Ref. 1951. 41.8 M74
- 84885 BOLTON, J. The use of anavenol K for castrating young horses. Vet. Rec. 63:523-525. Aug. 11, 1951. 41.8 V641
- 84886 BRITTON, J. W. Seasonal health tips on horses: leg wounds and wire cuts. Horse Lover 16(1): 26-27, 63. June/July 1951. 42.8 H7852
- 84887 CHITI, I. Electronic amplification of the murmur of the uterine artery in pregnant mares. (In Italian.) Riv. di Zootec. 24:165. May 1951. 49 R52
- 84888 CLAUSING, D. Untersuchungen über die brauchbarkeit der verwendung von oxalat- und citratblut von pferden zur ermittlung des blutstatus. Berlin. u. Münch. Tierärztl. Wchnschr. 7:139-142. Ref. July 1951. 41.8 B45
- 84889 CORDÓN, J. Un caso de superfetación mixta en la yegua. Veterinaria 15:559-561. July 1951. 41.8 V6429
- 84890 COSSETTE, M. Quels soins doivent précéder et suivre la naissance du poulain? B. des Agr. 47(5):24, 69-70. May 1951. 7 B872
- 84891 ENIGK, K. Die pathogenese der thrombotisch-embolischen kolik des pferdes. Monatsh. f. Prakt. Tierheilk. (n.s.):3:65-74. Ref. 1951. 41.8 M74
- Caused by Strongylus vulgaris larvae.
- 84892 ENIGK, K. Zur therapie des Strongylus vulgaris-befalles beim pferde während der präpatentperiode. Monatsh. f. Prakt. Tierheilk. (n.s.):3:75-83. Ref. 1951. 41.8 M74
- 84893 GLYNN, L. L. Vet's corner. West. Horseman 16(9):9, 42-43. Sept. 1951. 42.8 W522
- Injury from improperly-driven shoe nails.
- 84894 GÖBEL, F. Subperitoneale abszesse und zysten beim pferde. Tierärztl. Umschau 6:278-280. Ref. Aug. 1951. 41.8 T445
- 84895 KŁOCZOWSKI, J. Degeneration of the fetlocks. (In Polish.) Med. Weter. 7:329-330. May 1951. 41.8 M463
- 84896 LUCO, A. Como debe ser un buen caballo. Rev. Ganad. [Habana] 11(8):43-47. Aug. 1951. 49 R321
- Conformation.
- 84897 MORENO RODERO, M. Hipoglucemia. Quistes ováricos. Veterinaria 15:563-565. July 1951. 41.8 V6429
- Horses.
- 84898 MÜLLER, L. F. Die kolik im schrifttum der letzten 10 jahre. Monatsh. f. Prakt. Tierheilk. (n.s.):3: 90-113. Ref. 1951. 41.8 M74
- 84899 PIEROT, M. L'eau d'alimentation la plus grande des inconnues: la typho-colibacillose du cheval. Rev. de Path. Compar. 51:250-251. Apr. 1951. 448.8 R326
- 84900 RADOMSKI, W. Recent Soviet opinions on equine infectious anaemia. (In Polish.) Med. Weter. 7: 303-306. May 1951. 41.8 M463
- 84901 REMISZEWSKI, L. An extraordinary case of epilepsy in a horse. (In Polish.) Med. Weter. 7:395-396. June 1951. 41.8 M463
- 84902 STOCKING, G. G. Observations concerning conception in the mare. Amer. Vet. Med. Assoc. J. 119:190-192. Sept. 1951. 41.8 Am3
- 84903 SWAIM, J. C. Castration of the horse in the standing position. Sowest. Vet. 4(4):26-27. May 1951. 41.8 So82
- 84904 THOROLD, P. W. Equine sporotrichosis. So. African Vet. Med. Assoc. J. 22:81-83. June 1951. 41.8 So8

- 84905 TODD, A. C. Internal parasitism in horses. Blood-Horse 62:556,569-570. Sept.22,1951. 42.8 T392
- 84906 VAITSMAN, J. "Summer sores" of horses. (In Portuguese.) Seleç. Agr. 6(63):65-66. July 1951. 9.2 Se4
Cutaneous habronemiasis.
- 84907 YERGE, J., and others. L'avortement à ultra-virus des équidés existe-t-il en France? Acad. des Sci. Compt. Rend. 233:453-454. July 30,1950. 505 P21
A. Lucas, L. Cauchy, L. Andral, and A. Paraf, joint authors.

Miscellaneous

- 84908 ALLEN, M. E. Ideal trail horses. Horse Lover 16(2):28-29,46. Aug./Sept.1951. 42.8 H7852
- 84909 BAKER, J. Training a rope horse. Horse Lover 16(2):10,51. Aug./Sept.1951. 42.8 H7852
- 84910 BAUMANN, J. Ueber unsere pferdeschauen. Schweiz. Bauer 105(92):1-2. Aug.10,1951. 17 Sch95
- 84911 BLOCAILLE, E. Chevaux de selle américains. Rev. Hippique 27:223-224. July 1951. 42.8 R322
- 84912 BRACHO, M. E. Epah, charro! West. Horseman 16(9):6-7,25,28-31. Sept.1951. 42.8 W522
Mexican horsemanship.
- 84913 CATHEY, J. How to photograph a Quarter Horse. Cattleman 38(4):55-57. Sept.1951. 49 C29
- 84914 DYRENDAL, S. Redogörelse för hästpremieringarna i Gävleborgs län år 1949 [Report on the awarding of prizes to horses in Gävleborg Province, year 1949]. Gävle,1950. 28 p. 11 G24
- 84915 GILKEY, L. P. Horse thieves! West. Horseman 16(10):12,32-35. Oct.1951. 42.8 W522
- 84916 HAAVE, P. P. Young horse show of Dølehests in South-Trøndelag 1951. (In Norwegian.) Landbruks-tidende 57:349-351. May 2,1951. 11 L236
- 84917 KÖRBER, F. Problem pferd. Kärntner Bauer 101:411-414. July 21,1951. 19 K14
- 84918 LEWIS, G. H. Ride your horse sanely. Horse Lover 16(2):44-45. Aug./Sept.1951. 42.8 H7852
- 84919 LIEBER, D. Hackamore horse in training! 1. Horse Lover 16(2):18,66. Aug./Sept.1951. 42.8 H7852
- 84920 LÖWE, H. Die kaltblutpferde Niedersachsens auf der DLG-Ausstellung Hamburg. Hannoversche Land-u. Forstwirt. Ztg. 104:588-589. June 23,1951. 18 H194
- 84921 LUNA DE LA FUENTE, C. El caballo peruano, como elemento de progreso en la agricultura del país. Mensajero Agr. 61:52-53,56. May 1951. 9.8 M52
- 84922 MACGREGOR, H. D. El ganado equino en la Argentina. Res 19:26196-26199. July 20,1951. 286.85 R31
- 84923 MASON, J. The prospective calf horse. West. Horseman 16(9):12-13. Sept.1951. 42.8 W522
Selection.
- 84924 PABST. Berufsschule für ausbildung im umgang mit pferden. Hannoversche Land- u. Forstwirt. Ztg. 104:615. June 30,1951. 18 H194
- 84925 PARKER, P. Stable signs. Cattleman 38(4):191-194. Sept.1951. 49 C29
Names of horse farms.
- 84926 PULTE. Grosse erfolge der rhein. kaltblut-züchter. Landwirt. Z. der Nord-Rheinprov. 118:523-524. June 16,1951. 18 L2344
Horses at the DLG Show in Hamburg.
- 84927 SAUNDERS, T. B., MITCHELL, D. B., and SMYTH, R. Cutting horses; history, purpose, present day use. Cattleman 38(4):49,52,227,230,232. Sept.1951. 49 C29
- 84928 SCOTT, I. Four H horse projects. Cattleman 38(4):112,114,116,118. Sept.1951. 49 C29
- 84929 SERRANO MESA, E. Huellas dactilares de caballos en América. Ganadería [Madrid] 9:295-296. June 1951. 49 G15
- 84930 TALBOT, R. J. DE C. Registration of stallions, thirty-first annual report. Victoria. Dept. Agr. J. 49:220-222. May 1951. 23 V66J
- 84931 WOLF. Oberallgäuer Haflinger-Zuchtgenossen-schaft arbeitet erfolgreich. Allgäuer Bauernbl. 19:244. May 2,1951. 18 AL53
Horse show.
- 84932 YOUNG, J. R. What is a "good" seat? II. West. Horseman 16(9):15,39-42. Sept.1951. 42.8 W522

LABORATORY ANIMALS, SMALL

Breeds and Breeding

- 84933 REYNOLDS, H. W. The Golden hamster in England. 4. All-Pets Mag. 22(8):67-68. Aug.1951. 48.8 AL5

Veterinary Medicine

- 84934 ARON, C., MARESCAUX, J., and ISAAC, J. P. Etat oestral du vagin et de la corne utérine chez certains cobayes femelles après la castration. Soc. de Biol. Compt. Rend. 145:764-765. May 1951. 442.9 P21
- 84935 FOOTE, C. L., and FOOTE, F. M. A comparative study of normal and piebald hamsters. Ill. State Acad. Sci. Trans. 43:237-243. 1950. 500 IL6
- 84936 FRASER, A. S. Growth of the mouse coat. J. Expt. Zool. 117:15-29. June 1951. 410 J825
- 84937 GORDON, W. C., and HENDERSON, J. H. M. The alkaloidal content of blue lupine (*Lupinus angustifolius* L.) and its toxicity on small laboratory animals. J. Agr. Sci. 41:141-145. Jan./Apr.1951. 10 J822

Miscellaneous

- 84938 WADDELL, D. Hoarding behavior in the Golden hamster. J. Compar. & Physiol. Psychol. 44:383-388. Ref. Aug.1951. 410 J822

POULTRY

Breeds and Breeding

- 84939 ALLEN, R. W. Let's talk eye color. Every-bodys Poultry Mag. 56(8):11,23-24. Sept.1951. 47.8 F213P
- 84940 BRILES, W. E. The use of cellular antigens in the identification of inbred lines. (Abs.) Assoc. South. Agr. Workers. Proc. 48:144. 1951. 4 C82
Poultry.
- 84941 CHAMPAGNE, G. B., and HATHAWAY, H. E. Meat yields of broilers of different breeds and strains. (Abs.) Assoc. South. Agr. Workers. Proc. 48:144. 1951. 4 C82
- 84942 CLARK, W. Among the breeds—12. Poultry 109:132. Aug.21,1951. 47.8 P869
Rhode Island Red.
- 84943 EMERY, M. The Spanish low-cropped Pouter. Amer. Pigeon J. 40:258-259. Sept.1951. 47.8 Am35
- 84944 FARNEK, J. Die kurzschneblige Wiener geganselte taube. Osterr. Kleintierzüchter 9/10:951. May 1951. 49 Os7
- 84945 FLOWERS, J. G. The Pigmy Pouter: Improving the Pigmy Pouter. Amer. Pigeon J. 40:261. Sept. 1951. 47.8 Am35
- 84946 GLEICHAUF, R. Heranzüchtung reinerbiger kennhennen. Deut. Wirtgeflügelzucht. 3:352. Apr.28,1951. 47.8 D483
Leghorns.
- 84947 GUÉRANDE, C. Que peut-on espérer de la Sussex? Rustica 24:607. July 1,1951. 14 R92
Poultry breed.
- 84948 HARBORNE, H. 160 eggs is just not good enough. Mod. Poultry Keeping 64:86-87. Jan.24,1951. 47.8 Eg3
Breeding methods.
- 84949 HICKS, J. S. Popular exhibition breeds. 11-12. Poultry 109:67,100. July 24,Aug.7,1951. 47.8 P869
- 84950 HILGER, R. Dunkle Zwergwyandotten. Geflügelhof 14:431-433. June 29,1951. 47.8 G276
- 84951 HILGER, R. Perlhühner. Geflügelhof 14:536. Aug.10,1951. 47.8 G276
- 84952 HUTT, F. B. Snow-white down in the chick. J. Hered. 42:117-120. May/June 1951. 442.8 Am3
- 84953 JEFFREY, F. P. Breeding for meat production. Broiler Growing 2(9):11,56-57. Sept.1951. 47.8 B782
- 84954 JEROME, F. N., and PETTIT, J. H. Good advice—proceed with caution in the introduction of the 3-way cross. Canad. Poultry Rev. 75(9):20,22,24; (10):7-10. Sept.-Oct.1951. 47.8 C16
- 84955 KIMBALL, E. Pyle-black plumage in the fowl. Amer. Nat. 85:285-286. July/Aug.1951. 470 Am36
- 84956 KINDLER, A. F. Lachshühner; wie sie entstanden sind, und wie wir sie haben wollen. Geflügelhof 14:517-518. Aug.3,1951. 47.8 G276

- 84957 KINDLER, A. F. Vom deutschen Lachshuhn. Österr. Kleintierzüchter 15/16:995-996. (Cont.) Aug. 1951. 49 Os7
- 84958 KING, D. F. A new method of producing hybrid white Leghorns. (Abs.) Assoc. South. Agr. Workers. Proc. 48:158. 1951. 4 C82
- 84959 KOSIN, I. L. Genetics—the breeder's tool. Turkey World 26(9):18,81-87. Sept. 1951. 47.38 T84
- 84960 LABORDE-BOIS, P. Standard of perfection. Cult. Mod. 34:83-84. Mar. 1951. 15 C89 Poultry.
- 84961 MCCLUNG, M. R. Breeding for meat production. Ark. Poultry Impr. Assoc. Ybk. 1950:34-37. 47.9 Ar4
- 84962 MACKLIN, H. P. Pigeon portraits; the Maltese pigeon. Amer. Pigeon J. 40:264-268. Sept. 1951. 47.8 Am35
- 84963 MUNSTER, H. Die österreichische Strasser-taube. Österr. Kleintierzüchter 13/14:980-981. July 1951. 49 Os7
- 84964 NORMAN, W. L. Size in the Pigmy Pouter. All-Pets Mag. 22(8):63-65. Aug. 1951. 48.8 AL5
- 84965 OAKBERG, E. F. Genetic differences in quantitative histology of the adrenal, organ weights, and inter-organ correlations in White Leghorn chickens. Growth 15:57-78. Ref. June 1951. 442.8 G91
- 84966 OAKBERG, E. F. Influence of genetic constitution on growth of lymphoid tissue in liver and pancreas of White Leghorn chickens, and correlation of lymphoid tissues with weights of some visceral and endocrine organs. Growth 15:79-100. Ref. June 1951. 442.8 G91
- 84967 PERZLMAYER, F. W. Unsere vitalitätsträger und-spender Langschan. Deut. Kleintier-Züchter 6:10. July 20, 1951. 49 Su22
- 84968 PIJUAN, M. La edad de las gallinas reproductoras. Campo [Sevilla] 10(107):31. Feb. 1951. 15 C15
- 84969 QUISENBERRY, J. H. Inbred hybrid-Leghorn comparisons. (Abs.) Assoc. South. Agr. Workers. Proc. 48:144-145. 1951. 4 C82
- 84970 RIESENHUBER, A. Warum brieftauben? Österr. Kleintierzüchter 15/16:999. Aug. 1951. 49 Os7
- 84971 SAFRANEK. Mövchen. Österr. Kleintierzüchter 15/16:998. (Cont.) Aug. 1951. 49 Os7
- 84972 SILK, W. H. Bantams and miniature fowl. London, Poultry World, 1951. 171 p. 47 Si32
- 84973 SMITH, R. M. Breeding will set the pace of our State poultry industry. Ark. Poultry Impr. Assoc. Ybk. 1950:38-39. 47.9 Ar4
- 84974 SMITH, R. M., GILBREATH, J. C., and DAVIS, B. H. The influence of breed and crossbreeding of chickens on meat production factors. (Abs.) Assoc. South. Agr. Workers. Proc. 48:156. 1951. 4 C82
- 84975 TOMEY, A. Take a risk and try the N.H.R. [New Hampshire Red]. Mod. Poultry Keeping 65:94-95. July 25, 1951. 47.8 Eg3
- 84976 VAART, M. F. VAN DER. The Danzig High-flier. (In Dutch.) Pels en Pluim 6(9):6. May 4, 1951. 47.8 P36
- 84977 VAART, M. F. VAN DER. The Malay. (In Dutch.) Pels en Pluim 6(7):5. Apr. 6, 1951. 47.8 P36
- 84978 VAN ROOYEN, J. H. The Golden Australorp; new poultry variety may be best commercial bird in the future. Farmer's Wk. [Bloemfontein] 81:41,43. July 25, 1951. 24 F225
- 84979 VEENSTRA, J. A. Australorps. (In Dutch.) Pels en Pluim 6(9):4. May 4, 1951. 47.8 P36
- 84980 VRIES, DE. The Leghorns. (In Dutch.) Pels en Pluim 6(16):4. Aug. 10, 1951. 47.8 P36
- 84981 VRIES, DE. The North Holland Blues. (In Dutch.) Pels en Pluim 6:2. July 27, 1951. 47.8 P36
- 84982 WARREN, D. C. Recent trends in poultry breeding. Canad. Poultry Rev. 75(9):17-18. Sept. 1951. 47.8 C16
- 84983 ZANDEN, B. H. V. D. Should preference be given to the old commercial breeds in crossbreeding. (In Dutch.) Pels en Pluim 6(7):1-2. (Cont.) Apr. 6, 1951. 47.8 P36 Poultry.
- 84984 ALTHOFF, H. Das nahrungsfett und seine bedeutung für die physiologie und leistung des hühnes und die qualität seiner produkte. Deut. Wirtgeflügelzucht. 3:484. July 7, 1951. 47.8 D483
- 84985 ATKINSON, R. L., and COUCH, J. R. Effect of vitamin B12, APF concentrates and antibiotics on the growth of Broadbreasted Bronze turkey poults. (Abs.) Assoc. South. Agr. Workers. Proc. 48:148-149. 1951. 4 C82
- 84986 BARRENTINE, B. F., DARNELL, J. A., and ANDREWS, W. B. A study of the feeding value of corn of variable protein content for chicks. (Abs.) Assoc. South. Agr. Workers. Proc. 48:78. 1951. 4 C82
- 84987 BECHTEL, H. E. How far can we go on antibiotics? Amer. Poultry Hatchery News 26(12):4,9,21. Aug. 1951. 47.8 In83
- 84988 BIELY, J., and MARCH, B. The effect of aureomycin and vitamins on the growth rate of chicks. Science 114:330-331. Sept. 28, 1951. 470 Sci2
- 84989 BIRD, H. R. New ways to stretch proteins; synthetic amino acids are of value in supplementing certain combinations of natural protein in feeds. Poultry Tribune 57(9):7,25-26. Sept. 1951. 47.8 P8642
- 84990 BLOOMFIELD, H. More chicken on your table; whether you raise your own, or buy, the new meat-type birds grown with high-energy feeds guarantee tender, young meat at low cost. Country Gent. 121(9):32,123-124. Sept. 1951. 6 C833
- 84991 BRANION, H. D. Antibiotics and vitamin B12 in poultry feeding. Canad. Poultry Rev. 75(9):30-34; (10):20-24. Sept.-Oct. 1951. 47.8 C16
- 84992 BROOKE, D. Forcing the moult. Farmers Wk. [London] 35(8):67. Aug. 24, 1951. 10 F2226 Feeding and care.
- 84993 BUTTNER, E. E. Pigeon feeding experiments. So. African Poultry, Pigeon & Bird Mag. 79(474):26,20. (Concl.) July 1951. 47.8 So83
- 84994 BUTTNER, E. E. Protein requirements of pigeons. So. African Poultry, Pigeon & Bird Mag. 79(475) 26. Aug. 1951. 47.8 So83
- 84995 CHANSLER, W. S. Feeding next winter's layers. Rur. New-Yorker 101:576-577. Sept. 15, 1951. 6 R88
- 84996 COOK, D. Cafeteria system works for them. N. J. Farm & Gard. 22(9):37. Sept. 1951. 6 G162 Poultry feeding.
- 84997 COUCH, J. R. Unidentified factors in chick nutrition. Poultry Comment 8(4):1-4. July 1951. 47.8 D92
- 84998 COUCH, J. R., and REED, J. R. Vitamin B12, APF concentrates, antibiotics and dried whey in broiler production. (Abs.) Assoc. South. Agr. Workers. Proc. 48:149-150. 1951. 4 C82
- 84999 DAVIES, A. W. Eggs with green yolks. (Sum.) Mod. Poultry Keeping 65:176. Aug. 15, 1951. 47.8 Eg3 Nutritional imbalance.
- 85000 DIXON, J., and THAYER, R. H. The role of antibiotics in feed utilization by growing chicks. (Abs.) Assoc. South. Agr. Workers. Proc. 48:149. 1951. 4 C82
- 85001 DRIGGERS, J. C., and MEHRHOF, N. R. Simplified rations for layers. (Abs.) Assoc. South. Agr. Workers. Proc. 48:151. 1951. 4 C82
- 85002 ENGELMANN, C. H. Über die beliebtheit einiger grünfütterpflanzen beim huhn. Z. f. Tierpsychol. 8:112-132. May 1951. 410 Z35
- 85003 FANGAUF, K. W. Die wirkung von lebertran und anderen vitamin A+D3-trägern auf das kükenwachstum. Deut. Wirtgeflügelzucht. 3:527-528. Aug. 4, 1951. 47.8 D483
- 85004 FAZIO, F. Action of dried bovine feces on growing chicks. (In Italian.) Humus 7(7):19-20. July 1951. 16 H88
- 85005 FLAD, D. Die schnecken im geflügelauslauf. Deut. Wirtgeflügelzucht. 3:542-543. Aug. 11, 1951. 47.8 D483
- 85006 FRITZ, J. C. Why feed requirements differ from recommended allowances. Everybodys Poultry Mag. 56(8):0,32-33. Sept. 1951. 47.8 F213P
- 85007 GIAVARINI, I. Cattle manure and permanent litter in poultry raising. (In Italian.) Riv. di Zootec. 24:171-173. May 1951. 49 R52
- 85008 GUALBA, C. El trébol en la alimentación de las gallinas. Cult. Mod. 34:168. May 1951. 15 C89
- 85009 HAMMONDS, L. L. Recent trends in poultry feeding. Ark. Poultry Impr. Assoc. Ybk. 1950:50-51. 47.9 Ar4
- 85010 HARWOOD, L. J. Feeding new layers. N. J. Farm & Gard. 22(9):50. Sept. 1951. 6 G162

Feeds and Feeding

84984 ALTHOFF, H. Das nahrungsfett und seine bedeutung für die physiologie und leistung des hühnes und die qualität seiner produkte. Deut. Wirtgeflügelzucht. 3:484. July 7, 1951. 47.8 D483

- 85011 HENDRIXSON, W. M. Animal and marine proteins. *East. Feed Merchant* 2(4):26-27, 54-56. Apr. 1951. 389.78 Ea7
In poultry rations.
Similar title in *Feedstuffs* 23(20):46. May 19, 1951. 286.81 F322
- 85012 HENNEPE, TE. Mischfutter in mehlform und in pressform. *Deut. Wirtgeflügelzucht*. 3:469-471. June 30, 1951. 47.8 D483
- 85013 HILGER, R. Gänse auf die stoppelweide. *Geflügelhof* 14:519-520. Aug. 3, 1951. 47.8 G276
- 85014 JOHNSON, E. A. Antibiotics in poultry and turkey feeds. *Coop. Poultryman* 16(6):3-5. June 1951. 47.8 C782
- 85015 LEE, C. E. Hand feed for highest production. *N. J. Farm & Gard.* 22(9):36, 48. Sept. 1951. 6 G162
Poultry feeding.
- 85016 LIEBSCHER, W. Die bedeutung einiger wirkstoffe der fütterhefe für hühnerzucht. *Österr. Kleintierzüchter* 15/16:994-995. Aug. 1951. 49 Os7
- 85017 LIEBSCHER, W. Probleme der hühnerhaltung. *Österr. Kleintierzüchter* 9/10:949-950. May 1951. 49 Os7
Feeding.
- 85018 LOZANO LOPEZ, C., and MENDEZ DEL RIO DOMINGO, R. Cómo se calcula una ración alimenticia para ponedoras. *Ganadería [Madrid]* 8:656-657. Nov. 1950. 49 G15
- 85019 MANTEL. Nicht so teuer und doch richtig füttern! *Deut. Wirtgeflügelzucht*. 3:447-448. June 16, 1951. 47.8 D483
- 85020 MEYER, C. Determination of vitamin A dosage for chickens. (In Hebrew.) *Jewish Agency Palestine. Agr. Res. Sta. Ktavim* 1:183-187. Dec. 1950. 107 J552
Abridged English translation, p. 41.
- 85021 MILLER, W. S. What's new in poultry nutrition? *Poultry Field* 4(6):6-8. Aug. 2, 1951. 47.8 P8655
- 85022 NORRIS, L. C. Marching along are the B-group vitamins. *Grain & Feed J. Consolidated* 107(4):24, 26-27. Aug. 22, 1951. 298.8 G762
In chick nutrition.
- 85023 NORRIS, L. C. What's new in feeding? Antibiotics and vitamin B-12 share spotlight in recent poultry nutrition advancements. *Poultry Tribune* 57(9):8-9, 36. Sept. 1951. 47.8 P8642
- 85024 NORTH DAKOTA. AGRICULTURAL EXTENSION SERV. Feed your layers right. *N. Dak. Agr. Col. Ext. C. A-141*, 6 p. Nov. 1950. 275.29 N812Sa
- 85025 PARKS, S. L. Turkeys need good feed; proper fall management results in larger profits. *Amer. Poultry J.* 82(9):11. Sept. 1951. 47.8 Am32
- 85026 PATRICK, H. Vitamin B12 and antibiotics in turkey poult nutrition. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:148. 1951. 4 C82
- 85027 PATTON, A. R. DL-methionine in broiler mash. *Feed Age* 1(8):16-19, 47. Aug. 1951. 389.78 F327
- 85028 PATTON, A. R. Recent results with vitamin B12. *Poultry Comment* 8(4):4. July 1951. 47.8 D92
- 85029 PERUCHON, J. L'alimentation fermière rationnelle des poules pondeuses. *Rev. Agr. de l'Afrique du Nord* 49:545-546. July 20, 1951. 80 R326
- 85030 REYNOLDS, W. M., WEBER, E. M., and LUTHER, H. G. Effects of terramycin on chick growth. *Antibiotics & Chemother.* 1:267-273. July 1951. 396.8 An8
- 85031 RINGNES, P. Ueber die haltbarkeit von synthetischen vitaminen im geflügelfutter, unter besonderer berücksichtigung von synthetischem vitamin A. *Geflügelhof* 14:503-504. July 27, 1951. 47.8 G276
- 85032 RÖMER, R. Nochmals: nicht so teuer doch richtig füttern! *Deut. Wirtgeflügelzucht*. 3:448-449. June 16, 1951. 47.8 D483
- 85033 SAMAT, M. Grains, aliment composé et liberté. *Réveil Agr.* 60:186. June 15, 1951. 14 R322
Poultry feed.
- 85034 SCHRAG, H. Futter? *Geflügelhof* 14:411-412. June 22, 1951. 47.8 G276
- 85035 SENIOR, B. J. Fibre in the diet. (Sum.) *Mod. Poultry Keeping* 65:176. Aug. 15, 1951. 47.8 Eg3
- 85036 SERFONTEIN, P. J. The value of pellets in the feeding of ducks. *Farming So. Africa* 26:222-224, 235. July 1951. 24 So842
- 85037 SHRADER, H. L. Feed records—what can they teach us? *Broiler Growing* 2(10):16, 53-54. Oct. 1951. 47.8 P782
- 85038 SLINGER, S. J. O. A. C. poultry nutrition experiments. *Canad. Poultry Rev.* 75(9):14-15, 17. Sept. 1951. 47.8 C16
Ontario Agricultural College.
- 85039 TANAKA, J., PALAFOX, A. L., and ROSENBERG, M. M. A comparison of three sources of calcium for laying chickens. *Hawaii. Agr. Expt. Sta. Prog. Note* 68, 7 p. Ref. July 1951. 100 H313P
- 85040 WILLIAMS, J. C. The effects of protein level and feeding methods on egg production. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:150-151. 1951. 4 C82
- 85041 WOODWARD, H. Five points to remember in self-feeding. *N. J. Farm & Gard.* 22(9):37, 48. Sept. 1951. 6 G162
Poultry feeding.

Veterinary Medicine

- 85042 ALTEVOGT, R. Vergleichend-psychologische untersuchungen an hühnerrassen stark unterschiedlicher körpergrösse. *Z. f. Tierpsychol.* 8:75-109. Ref. May 1951. 410 Z35
- 85043 ANGEL, T. B., JR. A service to the poultrymen of Texas. *Sowest. Vet.* 4(4):34. May 1951. 41.8 So82
Diagnostic service at Texas A. and M. School of Veterinary Medicine.
- 85044 ASHER, T., KAEMMERER, K., and NEUHOFF, H. Untersuchungen zum problem des hormonalen kapau-nisierens. *Monatsh. f. Prakt. Tierheilk (n.s.)* 3:83-90. 1951. 41.8 M74
Poultry.
- 85045 AXWORTHY, R. Anti-coccidiosis drugs. *Poultry* 109:93, 110. Aug. 7-14, 1951. 47.8 P869
- 85046 BARBARO, A. D'A. Observations about the behaviour of birds' plumage during treatment by thyroxin, thyroxin and 4-methyl-2-thiouracil. (In Italian.) *Riv. di Biol. (n.s.)* 43:229-253. Ref. Apr./June 1951. 442.8 R52
English summary.
Experiments on pigeons.
- 85047 BEARD, W. A. Poultry practice: housing problems. *No. Amer. Vet.* 32:621-622. Sept. 1951. 41.8 N812
Disease control.
- 85048 BELLER, K. Noch ein beitrage zur marek-schen hühnerlähmung. *Deut. Wirtgeflügelzucht*. 3:493-494. July 14, 1951. 47.8 D483
- 85049 BERGMANN, J. Untersuchungen über die wirksamkeit und verträglichkeit von geflügelpest-adsor-batimpfstoff. *Tierärztl. Umschau* 6:311-313. Sept. 1951. 41.8 T445
- 85050 BISHOP, A., and MCCONNACHIE, E. W. The inhibition of p-aminobenzoic acid of the development of paludrine-resistance as produced by sulphonamides in *Plasmodium gallinaceum*. *Parasitology* 41:105-109. Ref. July 1951. 448.8 P21
- 85051 BLACK, N. M., and BENNETT, J. Chemical caponising saves food. (Sum.) *Mod. Poultry Keeping* 65:174-175. Aug. 15, 1951. 47.8 Eg3
- 85052 BOER, E. DE, and DJAENOEDIN, R. Neuro-lymphomatosis gallinarum in Indonesia. (In Dutch.) *Hemera Zoa* 58:121-135. Ref. Mar. 1951. 41.8 V51
English summary.
- 85053 BORNSTEIN, S., RAUTENSTEIN-ARAZI, A., and RADAN, M. Incubator infection with a slow lactose-fermenter pathogenic to young chicks. (In Hebrew.) *Refuah Vet.* 8:8-14. Feb. 1951. 41.8 R25
English summary, p. 30-29.
Salmonellosis-like disease.
- 85054 BORREMANS, R. T. La coccidiose. *Elevages Mod.* 53/55. May/July 1951. 49 EL22
Poultry.
- 85055 BRETSCHER, A. Vergleich der beinentwick-lung von vier hühnerrassen nach colchicinbehandlung. *Rev. Suisse de Zool.* 58:462-470. Ref. June 1951. 410 R324
- 85056 BRITISH COLUMBIA POULTRY INDUSTRIES COUNCIL. Council protests latest Newcastle compensa-tion schedule. *Canada Poultryman* 38(8):12-14. Aug. 1951. 47.8 C166
- 85057 CASTANO, F. F. Vitamin A from different sources as related to body weight and liver storage of vitamin A in the chick. *Pa. State Col. Abs. Doct. Diss.* 13:4-8. 1951. 241.8 P38

- 85058 CAVACEPPI, L. Duration of the endohystiocytic cycle of *Plasmodium gallinaceum* determined by repeated biopsies of the cortex. (In Italian.) Riv. di Parassitol. 12:163-168. July 1951. 436.8 R52
English summary.
- 85059 CORONEL, A. B. Questions and answers on roup (infectious coryza) (tag: "sapon"). Agr. & Indus. Life 13(7):18,44. July 1951. 25 Ag8
- 85060 DEARSTYNE, R. S., and others. Losses in egg production due to Newcastle disease. (Abs.) Assoc. South. Agr. Workers. Proc. 48:152-153. 1951. 4 C82
H. L. Lucas, E. W. Glazener, and W. L. Blow, joint authors.
- 85061 DEUEL, H. J., JR., and others. Stereoisomerization of the polycyclic compounds, pro- γ -carotene and prolycopene in chickens and hens. Arch. Biochem. & Biophys. 33:143-149. Aug. 1951. 381 Ar2
J. Ganguly, B. K. Koe, and L. Zechmeister, joint authors.
- 85062 DE WET, J. Difference between male and female. So. African Poultry, Pigeon & Bird Mag. 79(474): 21. July 1951. 47.8 So83
Pigeons.
- 85063 DRIGGERS, J. C., and others. The transference of radioactive calcium and phosphorus from hen to chick. (Abs.) Assoc. South. Agr. Workers. Proc. 48:146-147. 1951. 4 C82
R. L. Shirley, G. K. Davis, and N. R. Mehrhof, joint authors.
- 85064 DZIEKOŃSKI, J. Infectious catarrh of the upper respiratory tracts in birds. (In Polish.) Med. Weter. 7:298-299. May 1951. 41.8 M463
- 85065 ENGELMANN, C. H. Beiträge zum gedächtnis des hühns. Z. f. Tierpsychol. 8:110-121. Ref. May 1951. 410 Z35
- 85066 FANKHAUSER, R. Toxoplasmose, eine neu auftretende geflügelkrankheit. Geflügelhof 14:515. Aug. 3, 1951. 47.8 G276
- 85067 FRAPS, R. M. Action of progesterone on the immature avian gonad. Gent. Landbhogesch. Meded. 15: 767-769. Dec. 1950. 105.1 G344
- 85068 FRITZSCHE, K. Nochmals: die pullorum-erkrankung der kükén. Deut. Wirtgeflügelzucht. 3:442, 447. June 16, 1951. 47.8 D483
- 85069 GIACOMINI, A. Caponizing-lactation-fattening obtained by chemical methods. (In Italian.) Colt. e Gior. Vinic. Ital. 97:214-215. July 31, 1951. 16 C72
Caponizing and fattening of poultry and lactation of cattle.
- 85070 GINSBERG, H. S. Mechanism of production of pulmonary lesions in mice by Newcastle disease virus (NDV). J. Expt. Med. 94:191-211. Ref. Sept. 1, 1951. 448.8 J822
- 85071 GINSBERG, H. S. Studies on the mechanism of the toxic action of Newcastle disease virus. N. Y. Acad. Med. B. (ser. 2):27:581-582. Sept. 1951. 448.9 N48
- 85072 GODFREY, G. F. Is pea comb related to growth and body conformation? (Abs.) Assoc. South. Agr. Workers. Proc. 48:145. 1951. 4 C82
- 85073 GRODZINSKI, Z. The yolk spheres of the hen's egg as osmometers. Biol. Rev., Cambridge Phil. Soc. 26:253-264. Ref. Aug. 1951. 442.9 C14
- 85074 HAFFEN, K. Contribution à l'étude de la régression morphologique et histologique du mésonéphros de l'embryon de poulet. Soc. de Biol. Compt. Rend. 145: 755-759. May 1951. 442.9 P21
- 85075 HAMILTON, D. F. Newcastle disease in [British] West Africa. Vet. Rec. 63:525. Aug. 11, 1951. 41.8 V641
- 85076 HESS, E. Die geflügelpest prophylaxe in der Schweiz. Geflügelhof 14:495-496. July 27, 1951. 47.8 G276
- 85077 HESS, E. Der leukosekomplex. Geflügelhof 14:506. July 27, 1951. 47.8 G276
- 85078 HILGER, R. Stockende befiederung—nackte jungtiere. Geflügelhof 14:518-519. Aug. 3, 1951. 47.8 G276
- 85079 HORTON-SMITH, C. Use of sulphaquinoxaline. (Sum.) Mod. Poultry Keeping 65:174-175. Aug. 15, 1951. 47.8 Eg3
In experimental coccidiosis.
- 85080 JACOB, K. Marek-lähme. Deut. Wirtgeflügelzucht. 3:461. June 23, 1951. 47.8 D483
- 85081 KOMAROW, A. The embryonated egg in virus research. (In Hebrew.) Refuah Vet. 8:1-8. Feb. 1951. 41.8 R25
English summary, p. 32-31.
- 85082 KRANEVELD, F. C., and MANSJOER, M. Research on blood parasites. IV. Trypanosomes in a hen in Indonesia. (In Dutch.) Hemera Zoa 58:136-145. Ref. Mar. 1951. 41.8 V51
English summary.
- 85083 MCCONNACHIE, E. W. Latent infections in avian malaria in relation to the production of drug-resistance. Parasitology 41:110-116. Ref. July 1951. 448.8 P21
Discusses the effect of prolonged treatment with sulfa-diazine on latent infections of *Plasmodium gallinaceum*, and of paludrine on latent infections of *Plasmodium relic-tum*.
- 85084 MCKEEHAN, M. S. Cytological aspects of embryonic lens induction in the chick. J. Expt. Zool. 117: 31-64. Ref. June 1951. 410 J825
- 85085 MEDINA BLANCO, M. Consideraciones sobre patología avícola provincial. B. de Zootec. 7:133-139. Ref. May 1, 1951. 41.9 So16
- 85086 MEDINA BLANCO, M. Las enfermedades aviarias y la sanidad. B. de Divulg. Ganad. [Ciudad Real] 5(55/57):12-15. Oct./Dec. 1950. 49.9 Sp14
- 85087 MONROE, R. A., and others. Distribution of radio-cobalt and cobalt-labeled vitamin B12 in the chick. (Abs.) Assoc. South. Agr. Workers. Proc. 48:147-148. 1951. 4 C82
H. Patrick, C. L. Comar, and O. E. Goff, joint authors.
- 85088 MOORE, A. C. We can't afford summer colds. Poultry 109:46. July 17, 1951. 47.8 P869
- 85089 MOORE, D. N. It's erysipelas time—be prepared! Turkey World 26(9):14-15, 87. Sept. 1951. 47.38 T84
- 85090 MORRIS, R. H. The control of intestinal round worms in poultry. West. Austral. Dept. Agr. J. (ser. 2):33-39. Mar. 1951. 23 W52J
Ascaridia galli.
- 85091 PAETZ, Legestörung infolge fliess- oder windelerbildung. Deut. Wirtgeflügelzucht. 3:475-476. June 30, 1951. 47.8 D483
- 85092 PAETZ, Legestörungen infolge schichteilbildung. Deut. Wirtgeflügelzucht. 3:544. Aug. 11, 1951. 47.8 D483
- 85093 PHILLIPS, C. E. Pullorum disease and the pullorum tests. Ark. Poultry Impr. Assoc. Ybk. 1950: 46-48. 47.9 Ar4
- 85094 POLLARD, W. S. What the flock owner can do to combat pullorum disease. Ark. Poultry Impr. Assoc. Ybk. 1950:40-41, 43. 47.9 Ar4
- 85095 POLO JOVER, F. La laringo-traqueitis infecciosa de las aves en España. B. de Zootec. 7:105-113. Ref. Apr. 1, 1951. 41.9 So16
Text in Spanish and French.
- 85096 POLO JOVER, F. Leucosis aviar. B. de Divulg. Ganad. [Ciudad Real] 5(55/57):48-52. (Cont.) Oct./Dec. 1950. 49.9 Sp14
- 85097 POMEROY, B. R. Blackhead and erysipelas in turkeys. Swift's Dairy & Poultry News 6:8-9. Winter 1951. 49.9 Sw5
- 85098 POMEROY, B. S. Drugs are not substitutes for good management. Norbest Turkey News 16(2):6. Aug. 1951. 47.38 N75
- 85099 RAMALHINHO, F. Brief considerations on the prevention and treatment of the chief contagious diseases of poultry. (In Portuguese.) Gaz do Agr. 3:90-91. Apr. 1951. 24 G25
- 85100 SASSENHOFF, I. Die pullorum-erkrankung der kükén. Deut. Wirtgeflügelzucht. 3:441-442. June 16, 1951. 47.8 D483
- 85101 SCHIEL, O. Ergebnisse des Geflügelgesundheitsdienstes im gebiet Weser-Ems. Deut. Wirtgeflügelzucht. 3:444-447. June 16, 1951. 47.8 D483
- 85102 SCHIFFERER, A. Seuche oder erkältung? Die pullorum-erkrankung der kükén. Deut. Wirtgeflügelzucht. 3:362. May 5, 1951. 47.8 D483
- 85103 SCHMID, G. Querschnitt durch den Geflügelgesundheitsdienst des Veterinär-bakteriologischen und Veterinär-pathologischen Institutes der Universität Bern. Geflügelhof 14:477-480. July 20, 1951. 47.8 G276
- 85104 SCHUE, M. L'action des rayons X sur le développement des ébauches des pattes chez l'embryon de poulet. Soc. de Biol. Compt. Rend. 145:752-755. May 1951. 442.9 P21
- 85105 TAIBEL, A., and GHIARA, F. Appearance of some gynomorphic characters in a 'White Leghorn' cock treated with synthetic estrogen (diethylstilbestrol). (In Italian.) Ann. della Sper. Agr. (n.s.):5:895-900. 1951. 16 An76
English summary.

- 85106 THOMPSON, J. J. Control and prevention of fowl pox by vaccination. *New Zeal. J. Agr.* 82:475-476. June 1951. 23 N48J
- 85107 TILGNER, K. Die rote kükenuhr. *Deut. Wirtgeflügelzucht.* 3:461. June 23, 1951. 47.8 D483
- 85108 TSCHERNIAK, A., and NADAI, J. Untersuchungen über die optimale versuchsordnung bei verdauungsversuchen mit geflügel. (Sum.) *Geflügelhof* 14:499, 501-502. Ref. July 27, 1951. 47.8 G276
- 85109 TUGWELL, R. L. The effect of vermicides on different phases of the life cycle of the larger roundworm of the fowl [*Ascaridia galli*]. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:152. 1951. 4 C82
- 85110 U. S. BUR. OF ANIMAL INDUSTRY. Report of examinations of Newcastle disease viruses from Mexico. Washington? 1951. 2 p. 1.972 P2R29
- 85111 U. S. BUR. OF ANIMAL INDUSTRY. Summary of avian tuberculosis eradication work in cooperation with States, July 1950-June 1951. Washington? 1951. 2 p. 1.9 An522Sua
- 85112 USUELLI, F., and PIANA, G. A great enemy in poultry-raising: pullorosis (white diarrhea). (In Italian.) *Riv. di Zootec.* 24:97-100. Mar. 1951. 49 R52
- 85113 USUELLI, F., and PIANA, G. Pathology of incubation. I-IV. (In Italian.) *Riv. di Zootec.* 24:133-136, 167-170, 196-199, 230-234. Apr.-July 1951. 49 R52
Includes lethal factors.
- 85114 WILLIAMS, E., and BLACKWELL, W. D. Telescope comb incidence and possible inheritance. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:143. 1951. 4 C82 Poultry.
- 85115 WINTER, A. R. Pullet disease (blue comb). *Ohio. Agr. Col. Ext. B.* 324, 4 p. July 1951. 275.29 Oh32
- 85116 ZEBROWSKI, L. Haemagglutination reaction by the use of Newcastle disease virus and erythrocytes of animals insensitive to the Newcastle disease virus infection. (In Polish.) *Med. Weter.* 7:306-308. May 1951. 41.8 M463
English summary.
- 85117 ZELLER, M. Das problem der weissen kükenuhr. *Deut. Wirtgeflügelzucht.* 3:443-444. June 16, 1951. 47.8 D483
- 85118 ZWILLING, E. Insulin-induced hypoglycemia and rumplessness in chick embryos. *J. Expt. Zool.* 117: 65-73. Ref. June 1951. 410 J825
- Miscellaneous
- 85119 AGLIBUT, A. P., FRONDA, F. M., and MENDOZA, T. M. Floor space requirements of broilers raised in battery cages. *Philippine Agr. Engin. J.*, First Q. 1951:21-22. 58.8 Ag88
- 85120 ALBERTI, E. Erster deutscher 6-wochen-lehrgang für kükensortierer. *Deut. Wirtgeflügelzucht.* 3:353-355. Apr. 28, 1951. 47.8 D483
- 85121 ALEXANDER, A. K. S. Pullets nearing production; they are of three types and each needs different treatment. *Farmer & Stock-Breeder* 65(3226):71. Aug. 21, 1951. 10 F228
- 85122 ALONSO MUNOZ, A. Producción y consumo de huevos. *B. de Divulg. Ganad. [Ciudad Real]* 5(55/57): 5-11. Oct./Dec. 1950. 49.9 Sp14
- 85123 ALTAMIRAS RAVENTÓS, C. La paloma torcaz española. *Cult. Mod.* 34:173-174. May 1951. 15 C89
- 85124 ANDERSON, C. F., MCARDLE, A. A., and JONES, M. D. Deep litter practice in poultry sheds. *So. Austral. Dept. Agr. J.* 54:502-503. May 1951. 23 So84
- 85125 ANDREWS, W. G. Why pastures for poultry pay. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:151-152. 1951. 4 C82
- 85126 ANSHELM, H. J. VON. Ultraviolette bestrahlung während der brut. *Deut. Wirtgeflügelzucht.* 3:363. May 5, 1951. 47.8 D483
- 85127 ARKANSAS POULTRY IMPROVEMENT ASSOCIATION. 1950 year book. Little Rock, 1950? 56 p. 47.9 Ar4
- 85128 AXWORTHY, R. Why do they feather-pick? *Poultry* 109:125, 189. Aug. 21, Sept. 18, 1951. 47.8 P869
- 85129 BIWER, H. Hühner künstlich beleuchtet-erhöhte eierproduktion im winter. *Deut. Wirtgeflügelzucht.* 3:366-368. May 5, 1951. 47.8 D483
- 85130 BLACKWELL, W. D., and UPP, C. W. The production of broilers under controlled temperatures vs. natural temperature conditions. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:146. 1951. 4 C82
- 85131 BRAHE-PEDERSEN, O. The second national competition for the best broiler type in the world has started in U.S.A. (In Danish.) *Dansk Landbr.* 70:229-231, 243-245. May 17-24, 1951. 280.28 V91
- 85132 BROWN, T. T. The careful management of pullets. *South. Planter* 112(9):36-37. Sept. 1951. 6 So89
- 85133 CHADWELL, A. J. Trends in Tennessee 4-H poultry club work. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:155. 1951. 4 C82
- 85134 CHRISTENSEN, J. Save with built up litter. *San Joaquin Val. Poultryman* 22(3):4-5. Aug. 1951. 47.8 Sa53
- 85135 COOPER, G. H. Litter management for poultry. *Rhodesia Agr. J.* 48:114-117. Mar./Apr. 1951. 24 R34
- 85136 COUTINHO, R. P. Consejos para la cría de patos. *Campo [Sevilla]* 10(107):39. Feb. 1951. 15 C15
- 85137 CULTON, T. G., MACLAURY, D. W., and INSKO, W. M., JR. The influence of rate of production and temperature on egg shell color. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:145. 1951. 4 C82
- 85138 DAY, C. E. Farm walks vs. the pen. *Gamecock* 14(4):13. Aug. 1951. 47.8 G142
- 85139 DEWEERDT, L. Une révolution en élevage? *Elevages Mod.* 53/55. May/July 1951. 49 EL22
Battery system for layers.
- 85140 ECHARRI LOIDI, J. M. Clasificación de las gallinas por su puesta. *Agricultura [Madrid]* 20:347-353. July 1951. 15 Ag84
- 85141 GILLUM, H. L. Geese are not silly. *Rur. New-Yorker* 101:487. Aug. 18, 1951. 6 R88
Habits and behavior.
- 85142 GONZALEZ SILVA, E. J. Importancia de la selección de ponedoras. *Pampa Argentina* 24(280):8, 18. Apr. 1951. 9 P19
- 85143 GORDEUK, A. Gonzales area of Texas at crossroads. *Broiler Growing* 2(10):14, 28, 30. Oct. 1951. 47.8 B782
Situation of broiler industry.
- 85144 GRANGE, C. Keep some of the yearlings, but they should be culled carefully. *Farmer & Stock-Breeder* 65(3227):71. Aug. 28, 1951. 10 F228
Yearling hens.
- 85145 GRATON, A. La litière permanente et la vitamine B12. *B. des Agr.* 47(5):23. May 1951. 7 B872
Poultry litter.
- 85146 HEISE, A. Was bot die 41. DLG-schau in Hamburg dem geflügelzüchter. *Deut. Wirtgeflügelzucht.* 3:453-454. June 23, 1951. 47.8 D483
- 85147 HERVAS, A. Criar pavos no es tan difícil y rinde mas de lo que se cree. *Mundo Agr.* 3(25):98-99. June 1951. 9 M92
- 85148 HESS, C. W. The National Poultry Improvement Plan meat production performance test. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:147. 1951. 4 C82
- 85149 HEUVEL, C. VAN DEN. Farming systems. (In Dutch.) *Pluimveeteelt* 4(16):1-2. Aug. 3, 1951. 47.8 P722
Poultry.
- 85150 HICKS, J. S. Prospects for would-be poultry farmers. 5-8. *Poultry* 109:45, 78, 113, 143. July 17, 31, Aug. 14, 28, 1951. 47.8 P869
- 85151 HILGER, R. Wie hält man die hühner im sommer am legen? *Geflügelhof* 14:461-462. July 13, 1951. 47.8 G276
- 85152 HILGER, R. Wie vertreibt man unerwünschte brutlust? *Geflügelhof* 14:549-550. Aug. 17, 1951. 47.8 G276
- 85153 HUNTER, C. H. Southern dealers are poultry-minded. *Hatchery & Feed* 25(9):22-24. Sept. 1951. 47.8 H28
Cherokee County, Georgia, broiler industry.
- 85154 JACOB, K. Landfrau, zeit und geflügel. *Deut. Wirtgeflügelzucht.* 3:495. July 14, 1951. 47.8 D483
- 85155 JONES, C. D. Broilers can help the industry. *Turkey World* 26(9):11, 79-81. Sept. 1951. 47.38 T84
- 85156 JULL, M. A. Participating in poultry shows. *Md. Farmer* 35(8):29. Aug. 1951. 6 M362
- 85157 KENT, O. B. Poultry research. *Amer. Miller & Processor* 79(8):43. Aug. 1951. 298.8 Am32
- 85158 KÜTHE, F. Weg mit den schlechten legenennen! Landfrauenarbeit 29:227-230. July 7, 1951. 18 L2347
Characteristics of good layers.

- 85159 LASTRETO, R. Check your turkey management. San Joaquin Val. Poultryman 22(3):7,14. Aug. 1951. 47.8 Sa53
- 85160 LATORRE GLAUSER, L. La industria avícola en Inglaterra; impresiones de un viaje. B. de Zootec. 7: 115-127. Apr.1,1951. 41.9 So16
- 85161 LIVET, L. Premiers oeufs. Paysan Franc. 27(404):8. Aug.1951. 14 P29
For hatching.
- 85162 MACHT, Ein aufzuchtversuch mit infrarotstrahlern. Deut. Wirtgeflügelzucht. 3:462. June 23,1951. 47.8 D483
- 85163 MACHT, Das hähnchenproblem in der geflügelzucht. Deut. Wirtgeflügelzucht. 3:529-530. Aug.4,1951. 47.8 D483
Identification.
- 85164 MCIVER, W. L. Ordering of replacement stock for the household poultry flock. New Zeal. J. Agr. 82: 527-528. June 1951. 23 N48J
- 85165 MAY, C. G. Ninth World [Poultry] Congress—closing scenes. Poultry World 89:150-151,155. Aug.16, 1951. 47.8 P8682
- 85166 MELCHIOR, F. B. Culling the laying flock. Nulaid News 29(4):6-7. Sept.1951. 47.8 N917
- 85167 MOLENAAR, A. The ANPV [National Dutch Poultry Association] and the future. I. (In Dutch.) Pels en Pluim 6(7):2-3. Apr.6,1951. 47.8 P36
- 85168 MOORE, B. W. Start built-up litter early. East. Feed Merchant 2(9):30,69. Sept.1951. 389.78 Ea7
- 85169 MUNRO, S. S. White feathered birds outrank all others in average score in National Chicken of Tomorrow test. Co-op Chick News 23(3):10-11,15. July/Sept.1951. 47.8 C783
- 85170 MUNTER, W. Zwei rassen auf einem hof. Geflügelhof 14:534. Aug.10,1951. 47.8 G276
Poultry management in Germany.
- 85171 NAETHER, C. New life for the pigeon hobby. All-Pets Mag. 22(8):63,66. Aug.1951. 48.8 A15
- 85172 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. More eggs per bird is the answer. North. Ireland. Min. Agr. Mon. Rpt. 26:104-106. Aug.1951. 256.13 Ag82M
Breeding, feeding, and housing.
- 85173 OSWALD, MRS. L. Erfahrungen mit der kukenaufzucht ohne brennstoff. Deut. Wirtgeflügelzucht. 3:499. July 14,1951. 47.8 D483
- 85174 PARKER, J. E. Chicken hatching egg production. Oreg. Agr. Expt. Sta. B. 498,19 p. June 1951. 100 Or3
- 85175 PARRISH, C. F., and others. Broiler production manual. N. C. Agr. Col. Ext. Club. Ser. 59,rev.,11 p. June 1951. 275.29 N811C
C. J. Maupin, W. G. Andrews, and T. B. Morris, joint authors.
4-H Club manual.
- 85176 PARRISH, C. F., MORRIS, T. B., and ANDREWS, W. G. Raise better 4-H chicks. N. C. Agr. Col. Ext. Club Ser. 70,rev.,4 p. May 1951. 275.29 N811C
- 85177 PARRISH, C. F. Trends in poultry work in North Carolina. (Abs.) Assoc. South. Agr. Workers. Proc. 48:153-154. 1951. 4 C82
- 85178 PEELE, F. Turkeys finish well on deep litter. (Extr.) Poultry 109:111,127. Aug.14,21,1951. 47.8 P869
- 85179 PEROTTI, R. M. Hay signos que denuncian a las gallinas con buenas aptitudes para producir huevos. Mundo Agr. 3(25):80-81. June 1951. 9 M92
- 85180 PIJUAN, M. Crianza de pollos. Campo [Sevilla] 10(109):29-30. Apr.1951. 15 C15
- 85181 PIJUAN, M. Patología de la crianza. Campo [Sevilla] 10(109):33. Apr.1951. 15 C15
Chick care.
- 85182 PONSIGNON, A. Preparez vos poulettes à leur saison de ponte. Vie à la Campagne 40:337. Sept.1951. 80 V67
- 85183 REITZER, H. Dauerstreu im hühnerstall. Geflügelhof 14:459-460. July 13,1951. 47.8 G276
- 85184 ROBERTUS, Die pflege und fütterung der tauben im winter. Jung-Züchter 1:2. In Kleintierzüchter Tierbörse 5(2). Jan.10,1951. 49 K672
- 85185 ROOS, G. News about poultry farming. (In Swedish.) Tidskr. f. Hushållsk. och Skogsvårdsstyr. i Gävleborgs Län 26:61-64. 1950. 11 T434
- 85186 RUPPEN, K. Monatsgedanken für den geflügelhalter. Geflügelhof 14:547-549. Aug.17,1951. 47.8 G276
- 85187 SCHLÜTTER, H. Tasks of the German establishments for instruction and experiments for breeding fowls and small animals. Deut. Wirtgeflügelzucht. 3: 519-520. Aug.4,1951. 47.8 D483
- 85188 SCHNEIDER, V. These hens beat the cows. Successful Farming 49(9):132,134-135. Sept.1951. 6 Su12
Management of a poultry farm.
- 85189 SERFONTEIN, T. A. Sex determination of chicks. (In Afrikaans.) Landbouweekblad 33(1671):10. July 25,1951. 24 L232
- 85190 SERRA, R. J. Practical poultry farming. Agr. & Indus. Life 13(7):16. July 1951. 25 Ag8
- 85191 SHAW, R. B. Small-scale table poultry production. 1-4. (Extr.) Poultry 109:94,111,127,141. Aug. 7-28,1951. 47.8 P869
- 85192 SICER, J. W., and WOMACKS, D. How to pick the profitable pullets. Successful Farming 49(9):43,110-111. Sept.1951. 6 Su12
- 85193 STAPMANN, W. Ursachen und bekämpfung des federfressens! Deut. Wirtgeflügelzucht. 3:532. Aug.4,1951. 47.8 D483
- 85194 THOMPSON, W. C. Método práctico para lograr mayor rendimiento de huevos en invierno. Charla Rur. 150:10-11. Apr.1951. 9 C37
- 85195 TOMHAVE, A. E. Volume will not pay if efficiency is impossible. Feed is largest single cost of production. Better use of feed offers greatest opportunity to trim costs. Broiler Growing 2(9):15,39-40. Sept.1951. 47.8 B782
- 85196 TORRES HERRERO, J. DE. Algo sobre paticultura. Campo [Sevilla] 10(107):35-36. Feb.1951. 15 C15
- 85197 TURNER, J. Should I raise broilers? Farm Q. 6(3):33-35,96,98,100,102-104. Autumn 1951. 6 F22995
Management of a farm in Indiana and costs and returns.
- 85198 U. S. BUR. OF ANIMAL INDUSTRY. Supplement to hatcheries, dealers and independent flocks participating in the National Turkey Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 105(sup.2),3 p. July 1951. 1.9 An52AH
- 85199 VANDERVORT, J. Summer care of chickens. G. L. F. Week 15(49):7. June 1951. 280.28 G113W
- 85200 VAN NIEKERK, G. P., and DE SATGE, A. P. Final report on the thirty-first annual Southern Rhodesia Egg Laying Test. Rhodesia Agr. J. 48:110-113. Mar./Apr.1951. 24 R34
- 85201 VERA Y VEGA, A. La industria de la producción y venta de pollitos en Córdoba. B. de Zootec. 7: 167-185. June 1,1951. 41.9 So16
- 85202 WANDERER, E. Kücken aufziehen—aber richtig! Österr. Kleintierzüchter 9/10:950-951. May 1951. 49 Os7
- 85203 WEBER, W. A. Lichtschock und legeleistung. Geflügelhof 14:497,499. July 27,1951. 47.8 G276
- 85204 WHITTLE, T. E. How progeny is tested in Scotland. Poultry Field 4(9):17-20. Sept.13,1951. 47.8 P8655
- 85205 WHITTLE, T. E. Table poultry production. 1, 3-4, 6. Mod. Poultry Keeping 65:171,224,248,302. Aug.15,29-Sept.5,19,1951. 47.8 Eg3
- 85206 WILSON, E. No success story from my first turkey venture. Poultry 109:62,78,94. July 24-Aug.7, 1951. 47.8 P869
- 85207 WOLFE, T. K. Turkey broilers bring a new era. Soeast. Poultryman 4(8):5,20-21. Aug.1951. 47.8 So872
Also in Va. Poultryman 5(8):5,20-21. Aug.1951. 47.8 V812

RABBITS

Breeds and Breeding

- 85208 BREITHAUP, G. Vom weissen Riesen. Deut. Kleintier-Züchter 6(12):1. June 20,1951. 49 Su22
- 85209 HARDER, H. J. Federation of American Rabbit Breeders. Amer. Rabbit J. 21:131-134. Sept.1951. 40.28 Am3
- 85210 HILGER, R. Gedanken um den vereinsrammler. Deut. Kleintier-Züchter 6:4-5. July 20,1951. 49 Su22
- 85211 LIKERMAN, J. E. Reproducción y crianza del conejo. Cuba Ganad. 10(12):25-27. Aug.1951. 49 C89
- 85212 LINKE-CRAWFORD, E. Unsere Angoras im sommer. Österr. Kleintierzüchter 13/14:983. July 1951. 49 Os7

85213 LINKE-CRAWFORD, E. Versuche mit futter-hefe N bei Angorakaninchen. Österr. Kleintierzüchter 9/10:953. May 1951. 49 Os7

85214 MUKHERJEE, D. P., JOHARI, M. P., and BHATTACHARYA, P. The gelatinous mass in rabbit semen. Nature [London] 168:422-423. Sept. 8, 1951. 472 N21

85215 PIEGSA, E. Interessantes vom russenkaninchen. Deut. Kleintier-Züchter 6(15):6. July 5, 1951. 49 Su22

85216 PIEGSA, E. Vom echten und unechten Hermelin. Deut. Kleintier-Züchter 6:8. July 20, 1951. 49 Su22

85217 RICCHEZZA, F. DE. Razas de conejos para la industria de las pieles. Pampa Argentina 24(282):10. June 1951. 9 P19

85218 ROBINSON, R. Dutch-type white-spotting in rabbits. Nature [London] 168:300. Aug. 18, 1951. 472 N21

85219 STRANSKY, E. Anregung zur Widderkaninchenzucht. Österr. Kleintierzüchter 9/10:952. May 1951. 49 Os7

85220 STRANSKY, E. Ausgewähltes über farbererbung und farbanlagen der kaninchen. Österr. Kleintierzüchter 13/14:981. July 1951. 49 Os7

85221 WULF, H. Die Chinchilla-farbe. Deut. Kleintier-Züchter 6(12):2-3. June 20, 1951. 49 Su22

Feeds and Feeding

85222 LEEUWENBURG, P., and WHITMORE, R. Results of the use of aureomycin-B12 feed supplement. Amer. Small Stock Farmer 35(11):5,9. Aug. 1951. 48.8 J82

85223 SANDFORD, J. C. The balance of rations. Fur & Feather 114:550. Aug. 30, 1951. 49 F96

85224 SVISTUNOVA, V. A. Feeding [sunflower] silage to rabbits. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):74-75. Nov./Dec. 1950. 49 K14

Veterinary Medicine

85225 BELTRAN BAGUENA, M. Acción del alfatocoférol sobre la regresión de las lesiones de la aterosclerosis experimental colestérica del conejo. (Abs.) J. Gerontology 6(3,sup.):60-61. July 1951. 447.8 J824

85226 BIERMANN, U. Ist kaninchenschnupfen heilbar? Kleintierzüchter Tierbörse 5(7):8-9. Mar. 1, 1951. 49 K672

85227 DEYRAS, O. Coccidiose du lapin. Chambre d'Agr. de Casablanca. B. 22(244):15-16. Aug. 1951. 24 C26

85228 FLEMING, C. G. Digestion of the rabbit. (Excerpts.) Small Stock Mag. 35(9):26-27. Sept. 1951. 48.8 P442

85229 GLENNY, F. H. Use of the scapula as a means of differentiation between the Mearns' cotton-tail and the Australian imported and domestic hare. Ohio J. Sci. 51:271-272. Sept. 1951. 410 Oh3

85230 HOUT, A. VAN. Variations of back, croup, ears and paws of rabbits. (In Flemish.) Cult. en Handel 17:462-463. Aug. 1951. 80 C892

85231 MIX, H. Mein kaninchen hat "trommelsucht." Deut. Kleintier-Züchter 6(12):2. June 20, 1951. 49 Su22

85232 PIENING, C. Die tularämie in Schleswig-Holstein. I. lebensmitteltierarzt 2:105-106. July 1951. 41.8 L49

85233 PRAT, J. DE. Coccidiosis del conejo. Cult. Mod. 34:208. June 1951. 15 C89

85234 SANDFORD, J. C. Pseudo-pregnancy. Fur & Feather 114:520. Aug. 16, 1951. 49 F96

85235 TITOVA, M. I., and ZAITSEVA, E. K. Growth and development of rabbits born in the winter. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):43-45. Nov./Dec. 1950. 49 K14

85236 VERLY, W. G. The urinary excretion of pregnane-3 α :20 α -diol in the female rabbit immediately after mating. J. Endocrinol. 7:258-259. Aug. 1951. 448.8 J8293

85237 WIMBERLEY, N. A., JR. Tularemia. U. S. Armed Forces Med. J. 2:1251-1253. Aug. 1951. 159 Un3

Transmission from rabbits.

Miscellaneous

85238 MARSH, G. Rabbit breeders go to school. Small Stock Mag. 35(9):3. Sept. 1951. 48.8 P442

85239 STANLEY, J., and MCCASKILL, L. W. Rabbits. Canterbury Chamber Com. Agr. B. 262,4 p. May 1951. 23 C162

Control of rabbits in New Zealand. 85240 TEMPLETON, G. S. Nest boxes and nest box management. Amer. Rabbit J. 21:115-116. Aug. 1951. 40.28 Am3

85241 VEENSTRA, J. A. Jottings from the small stock world. (In Dutch.) Pels en Pluim 6(9):5. May 4, 1951. 47.8 P36

Rabbits.

SHEEP AND GOATS

Breeds and Breeding

85242 BAIKOV, M. I. An important stage of pedigree work in Karakul sheep breeding. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):21-23. Nov./Dec. 1950. 49 K14

85243 BENNETT, J. A. Ram selection—analyze particular needs before purchasing stock. West. Livestock J. 29(43):78-79. July 15, 1951. 6 F2278

85244 BIEGERT, K. Erfolge der leistungsprüfungen in der deutschen schafzucht. Tierzüchter 3:420-422. Aug. 5, 1951. 49 T445

85245 BONELLI, P. Sardinian sheep in the Marmilla show. (In Italian.) Allevatore 7(18):3-4. May 6, 1951. 49 AL55

Milk production records.

85246 BÖRGER, H. Milchleistungsprüfungen in der ziegenzucht. Tierzüchter 3:427-429. Aug. 5, 1951. 49 T445

85247 BRIQUET JUNIOR, R. Proper selection of goats for breeding. (In Portuguese.) Seleç. Agr. 6(63):27-28. July 1951. 9.2 Se4

85248 BRITISH GOAT SOCIETY. Herd book with foundation book, supplementary register, transfers of ownership, etc., No. 76, January to December, 1950. Diss. Norfolk, 1951? 232 p. 40.19 B77H

85249 CARTER, R. C., and KINCAID, C. M. Influence of breed of sire on birth weight and head size of lambs. (Abs.) Assoc. South. Agr. Workers. Proc. 48:83-84. 1951. 4 C82

85250 CHARON, A. J. A propos des chèvres alpines chamoisées, races et lignées. Rustica 24:727. Aug. 5, 1951. 14 R92

85251 CUENCA, C. L. DE. Merinos en el Cantábrico. Ganadería [Madrid] 9:287-290. June 1951. 49 G15

85252 DUBASH, M. E. Observations on the tail fat of Kabuli breed of sheep. Pakistan J. Sci. 2:153-154. Oct. 1950. 475 P172

85253 FRASER, A. Cross-bred puzzle. Farmer & Stock-Breeder 65(3222):80. July 24, 1951. 10 F228

Sheep breeding. 85254 GASSNER, F. X. Two lamb crops a year. Rur. New-Yorker 101:534-535. Sept. 1, 1951. 6 R88

85255 GIGINEISHVILI, N. S. In regard to developing a system of pedigree work with grey Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 4(1):16-22. Jan./Feb. 1951. 49 K14

85256 GOOT, H. Statistical analyses of some measurements of fertility in sheep. J. Agr. Sci. 41:1-5. Ref. Jan./Apr. 1951. 10 J822

85257 HAFEZ, E. S. E. Inhibitory action of artificial light on the sexual season of the ewe. Nature [London] 168:336. Aug. 25, 1951. 472 N21

85258 LOPEZ PALAZON, J. Crfa y rendimiento lácteo del cabrfo murciano. Ganadería [Madrid] 9:273-275. June 1951. 49 G15

85259 MARSH, E. E. Better rams—breed improvement gives sheepmen studs that do big production job. West. Livestock J. 29(43):65. July 15, 1951. 6 F2278

85260 MIRZOEVA, E. L., and GLAZOVSKII, A. V. Quality of progeny obtained from mating Karakul sheep of different coloring. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):24-27. Nov./Dec. 1950. 49 K14

85261 MUGGLI, J. 50 Jahre Toggenburger ziegenzucht im Kanton St. Gallen. Grüne 79:717-728. June 29, 1951. 17 Sch9

85262 PALMER, E. Forgotten days when farmers scorned the Merino's wool. Veldtrust 12(5):16-19. May 1951. 56.8 V54

- 85263 PEARCE, W. D. Merinos on small holdings. *Merino Breeders' J.* 13(3):20-21, 23. July 1951. 45.8 So8 From the Adelaide Chronicle.
- 85264 ROBERTS, E. N. Prolificacy of the Merino. *Merino Breeders' J.* 13(3):4, 6. July 1951. 45.8 So8
- 85265 ROBINSON, T. J. The control of fertility in sheep. II. The augmentation of fertility by gonadotrophin treatment of the ewe in the normal breeding season. *J. Agr. Sci.* 41:6-63. Ref. Jan./Apr. 1951. 10 J822
- 85266 RODÓN, J. M. El ganado Karakul. *Cult. Mod.* 34:180-182. May 1951. 15 C89
- 85267 ROMERO PEREZ, F. R. El ganado lanar en España y sus principales tipos de producción. I. Ganadería [Madrid] 9:269-272. June 1951. 49 G15
- 85268 ROSSI, S. For profitable utilization of the mountain: improvement of the sheep stock. (In Italian.) *Agr. Romagn.* 14:1. July 20, 1951. 16 Ag828
- 85269 ROUX, L. L. An efficient sheep. (In Afrikaans.) *Landbouweekblad* 33(1670):9. July 18, 1951. 24 L232
- Type of Merino.
- 85270 STAUBMANN, W. Vom wert eines guten widders. *Kärntner Bauer* 101:435-437. July 28, 1951. 19 K14
- 85271 STOIANOVSKAIA, V. I. On methods of breeding grey Karakul sheep. (In Russian.) *Karakulevodstvo i Zverovodstvo* 3(6):15-20. Nov./Dec. 1950. 49 K14
- 85272 STRANSKY, E. Polymerie in der vererbung von leistungsanlagen. *Österr. Kleintierzüchter* 13/14:988. July 1951. 49 Os7
- Goats.
- 85273 TALITH, I. Sheep-breeding in the smallholders settlement. (In Hebrew.) *Hassadeh* 31:409-410. May 1951. 26 H27
- 85274 TIMERBULATOV, I. N. From the experience of using rams imported from other farms. (In Russian.) *Karakulevodstvo i Zverovodstvo* 4(1):22-25. Jan./Feb. 1951. 49 K14
- 85275 WALLA, H. Ein offenes wort zur österreichischen schafzucht. *Österr. Kleintierzüchter* 15/16:1005. Aug. 1951. 49 Os7
- 85276 ZETTL, J. Das Karakulschaf. *Österr. Kleintierzüchter* 13/14:984-985; 15/16:999. (Concl.) July-Aug. 1951. 49 Os7
- Feeds and Feeding**
- 85277 CARPENTER, O. L. An analysis of feeding problems. What proportion of concentrate to roughage is considered best for young growing rams on test? *Sheep & Goat Raiser* 31(11):22, 24. Aug. 1951. 45.8 Sh3
- 85278 CHANDA, R., and others. The use of chromolum sesquioxide to measure the digestibility of carotene by goats and cows. *J. Agr. Sci.* 41:179-186. Ref. Jan./Apr. 1951. 10 J822
- H. M. Clapham, M. L. McNaught, and E. C. Owen, joint authors.
- 85279 COOK, C. W., and HARRIS, L. E. A comparison of the lignin ratio technique and the chromogen method of determining digestibility and forage consumption of desert range plants by sheep. *J. Anim. Sci.* 10:565-573. Ref. Aug. 1951. 49 J82
- 85280 COOK, C. W., STODDART, L. A., and HARRIS, L. E. Measuring consumption and digestibility of winter range plants by sheep. *J. Range Mgmt.* 4:335-346. Ref. Sept. 1951. 60.18 J82
- 85281 CORBIN, J. E., and FORBES, R. M. Dye as a reference material for determining the digestibility of a ration with lambs. *J. Anim. Sci.* 10:574-580. Aug. 1951. 49 J82
- 85282 CREPIN, P. L'alimentation caprine. *Mouton* 6:79-80. July 1951. 45.8 M86
- 85283 GORDON, J. G., and TRIBE, D. E. The self-selection of diet by pregnant ewes. *J. Agr. Sci.* 41:187-190. Jan./Apr. 1951. 10 J822
- 85284 HARRIS, L. E., and others. Effect of feeding DDT dusted alfalfa hay to fattening lambs. *J. Anim. Sci.* 10:581-591. Ref. Aug. 1951. 49 J82
- T. Myint, C. Biddulph, D. A. Greenwood, W. Binns, M. L. Miner, and L. L. Madsen, joint authors.
- 85285 LEE, H. J. Cobalt and copper deficiencies affecting sheep in South Australia. I. Symptoms and distribution. *So. Austral. Dept. Agr. J.* 54:475-490. May 1951. 23 So84
- 85286 LYSOV, A. M. Seasonal system of watering Karakul sheep. (In Russian.) *Karakulevodstvo i Zverovodstvo* 3(6):58-60. Nov./Dec. 1950. 49 K14
- 85287 MINERVIN, V. N. Important problem in Soviet Karakul sheep raising. (In Russian.) *Karakulevodstvo i Zverovodstvo* 3(6):53-57. Nov./Dec. 1950. 49 K14
- Discussion on watering.
- 85288 NAERLAND, G. Are sheep able to get along on silage as the only feed during the winter? (In Norwegian.) *Norsk Landbr.* 17:167-168. (Concl.) Apr. 27, 1951. 11 N8122
- 85289 ORCUTT, E. P. Farm flocks and grasslands. *Mont. Wool Grower* 25(9):14, 17, 32. Sept. 1951. 45.8 M762
- 85290 SAELAND. Sheep and grain. (In Norwegian.) *Norsk Landbr.* 17:129-130. Mar. 30, 1951. 11 N8122
- Chiefly on feeding.
- 85291 SIRUM, B. Loss of sheep and lambs. (In Norwegian.) *Landbrukstidende* 57:287-289. Apr. 11, 1951. 11 L236
- Chiefly on feeding.
- Veterinary Medicine**
- 85292 ARNAO MENDOZA, M. Dictyocaulus filaria en Ovis (ovis) aries carnero. *Inst. Nac. de Biol. Anim. Rev.* 1:35-38. Ref. Dec. 1950. 442.9 L62R
- 85293 BEIJERS, J. A. Control of the liver fluke disease in sheep. (In Dutch.) *Netherlands. Landbouwlichtingsdienst. Maandbl.* 8:279-283. July 1951. 12 N383M
- 85294 BELONJE, C. W. A. Control of paralysis. (In Afrikaans.) *Wolboer* 46:26-27. May 1951. 45.8 W83
- Ixodes on sheep.
- 85295 BIANCA, W. Der einfluss der alpfung auf das blutvolumen von jungziegen. *Schweiz. Arch. f. Tierheilk.* 93:468-499. Ref. July 1951. 41.8 Sch9
- English summary.
- 85296 BRATZLER, J. W. A metabolism crate for use with sheep. *J. Anim. Sci.* 10:592-601. Aug. 1951. 49 J82
- 85297 CILLI, V. Biological behaviour of K.A.G. virus (Kabete Attenuated Goat) of cattle plague of Erythraean goats. (In Italian.) *Riv. di Biol. (n.s.)* 43:255-290. Ref. Apr./June 1951. 442.8 R52
- English summary.
- 85298 EIELAND, E. Listerellosis, a bacterium disease especially in sheep, was first noticed in the last few years. (In Norwegian.) *Landbrukstidende* 57:291. Apr. 11, 1951. 11 L236
- 85299 FOURIE, P. J. J. Lesions from Oesophagostomum columbianum (nodular worm) in the antelope (Damaliscus albifrons (Burch)). (In Afrikaans.) *So. African Vet. Med. Assoc. J.* 22:63-67. June 1951. 41.8 So8
- English summary.
- Infection from sheep.
- 85300 GOOR, S. Blue tongue of sheep in Palestine. (In Hebrew.) *Refuah Vet.* 7:147-148. Dec. 1950. 41.8 R25
- English summary, p.165.
- 85301 HENNING, M. W. Footrot in sheep. *Farming So. Africa* 26:211-212. June 1951. 24 So842
- 85302 HONEKER. Hornlosigkeit und stummelhornbildung beim ziegenbock. *Berlin. u. Münch. Tierärztl. Wchenschr.* 7:138-139. July 1951. 41.8 B45
- 85303 HSU, S. T., and WEI, B. Y. A new species of Nematodirus (Nematoda: Trichostrongylidae) from sheep. *Philippine J. Sci.* 79:7-9. Mar. 1950. 475 P53
- 85304 KOVAL'SKIĬ, V. V., and PADUCHEVA, A. L. Problems of water metabolism in Karakul sheep. (In Russian.) *Karakulevodstvo i Zverovodstvo* 4(1):26-32. Jan./Feb. 1951. 49 K14
- 85305 LIKACHEV, N. V., and VÍAZHLINSKIĬ, P. A. Specific prophylaxis of sheep against sheep pox. (In Russian.) *Karakulevodstvo i Zverovodstvo* 4(1):73-76. Jan./Feb. 1951. 49 K14
- 85306 MARTIN, T. Boquera o necrobacilosis de las ovejas y las cabras. *Campo [Sevilla]* 10(109):31. Apr. 1951. 15 C15
- 85307 MARTIN, T. Cenurosis ó modorra. *Campo [Sevilla]* 10(107):30. Feb. 1951. 15 C15
- 85308 MILLER, R. C. A new drug saves the sheep. *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 66(9):8 Sept. 1951. 6 P945K
- Phenothiazine in parasite control.
- 85309 MURPHREE, R. L., and others. Effects of diethylstilbestrol on rate and economy of gain in lambs and pigs. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:82. 1951. 4 C82
- F. C. Powell, J. M. Bird, and C. S. Hobbs, joint authors.
- 85310 PAUTRIZEL, R., RIVASSEAU, J., and RIVASSEAU, D. Injection d'extrait de douve et éosinophilie sanguine chez le mouton douvé. *Soc. de Biol. Compt. Rend.* 145:720-721. May 1951. 442.9 P21
- 85311 PELLEGRINI, D. Hemorrhagic gastroenteritis in sheep; experiment in its transmission by Rhipicephalus pulchellus. (In Italian.) *Soc. Ital. di Med. e Ig. Trop. Sez. Eritrea di Med. Umana e Vet. B.* 10:164-170. 1950. 448.9 So16
- English summary.

- 85312 PERRY, T. W., ANDREWS, F. N., and BEESON, W. M. The effects of stilbestrol on suckling lambs. *J. Anim. Sci.* 10:602-606. Ref. Aug.1951. 49 J82
- 85313 SCHNEIDER, F. L. Double dippings outmoded for sheep scabies. *N. Mex. Stockman* 16(9):60,89. Sept. 1951. 49 N462
- 85314 SCHUSTER, E. Segmentale hautnekrose und beiderseitige peroneauslähmung bei einer ziege. *Tier-ärztl. Umschau* 6:290. Aug.1951. 41.8 T445
- 85315 SEGHETTI, L. Enterotoxemia in lambs. *Mont. Wool Grower* 25(9):22,24. Sept.1951. 45.8 M762
- 85316 SPANEDDA, A., and MEDDA, A. First investigation of a filtrable virus isolated from ovine abortion. (In Italian.) *Zooprofilassi* 6:263-266. July 1951. 41.8 Z72
- 85317 TIKHOMIROV, N. P. Sheep afflicted with hoof rot. (In Russian.) *Karakulevodstvo i Zverovodstvo* 4(1):77-78. Jan./Feb.1951. 49 K14
- 85318 TODD, A. C., and WYANT, Z. N. On the blood picture of sheep exposed to the medium stomach worms [Ostertagia] II. The leukocytes. *Vet. Med.* 46:390-396. Oct.1951. 41.8 M69
- 85319 VICTORIA. DEPT. OF AGRICULTURE. LIVE STOCK DIV. Botulism in sheep and cattle. Victoria. *Dept. Agr. J.* 49:265-268,272. June 1951. 23 V66J
- 85320 WARWICK, B. L., and BERRY, R. O. Inter-generic and intra-specific embryo transfers in sheep and goats. *Natl. Egg Transfer Breeding Conf. Proc.* 1:5-12. 1951. 41.9 N219
- 85321 ZULINSKI, T. Infectious diseases of sheep. (In Polish.) *Med. Weter.* 7:299-303. May 1951. 41.8 M463
- 85338 PATTERSON, R. E. Some wool questions analyzed. *Sheep & Goat Raiser* 31(11):44-45. Aug.1951. 45.8 Sh3
Chiefly on wool production.
- 85339 PAVLOVSKII, V. V. Improvement of sanitary conditions in sheep raising—most important problem of Karakul sheep raising state farms. (In Russian.) *Karakulevodstvo i Zverovodstvo* 4(1):7-9. Jan./Feb.1951. 49 K14
- 85340 SCHALLER, H. His sheep make money on high-priced land. *Successful Farming* 49(9):136,138-139. Sept.1951. 6 Su12
Sheep management.
- 85341 STÖCKEL, R. La conduite du troupeau de moutons au cours de l'été. *Bétail & Basse-Cour* 6:302-303. June/July 1951. 49 B462
- 85342 TRAPEZNIKOV, A. I. Selection of Karakul ewes according to quality of offspring and new method of branding. (In Russian.) *Karakulevodstvo i Zverovodstvo* 4(1):10-15. Jan./Feb.1951. 49 K14
- 85343 TRAUER, W. E. Das melken der schafe. *Österr. Kleintierzüchter* 15/16:1001. Aug.1951. 49 Os7
- 85344 VIK, H., and MIDTLID, S. Wool researches. Rams exhibited at the shows 1947. (In Norwegian.) *Norges Landbrhøgsk. Meld.* 30:403-444. 1950. 104 N762M
English summary.
- 85345 WARNER, E. A. Fall shearing the farm flock. *Breeder's Gaz.* 116(8,i.e.9):8. Sept.1951. 49 B74
- 85346 ZEZZOS, R. Sheep and wool in ancient Rome. (In Italian.) *Allevatore* 7(23):7. June 10,1951. 49 AL55

Miscellaneous

- 85322 BECKER, E. Die ziegen auf der DLG-Schau. *Landwirt. Z. der Nord-Rheinprov.* 118:522-523. June 16, 1951. 18 L2344
- 85323 BÖRGER, E. Die ziegen auf der DLG-Ausstellung in Hamburg. *Tierzüchter* 3:456-458. Aug.20,1951. 49 T445
- 85324 BRESLER, F. R. More wool—if you treat sheep kindly! *Wolboer* 47:3-4. June 1951. 45.8 W83
- 85325 CANNON, G. How to win a blue ribbon; Henry Besuden wins the International [Livestock Exposition] and makes money on his lambs; here's how he does it. *Farm Q.* 6(3):36-39,127-130. Autumn 1951. 6 F2295
- 85326 DOEHNER, H. Erfolge badischer schäufzüchter auf der DLG-Schau Hamburg. *Bad. Landwirt. Wchnbl.* 118:372. June 16,1951. 18 B142
- 85327 DUCK, R. W. I'm going to get some sheep! *Rur. New-Yorker* 101:474,476. Aug.4,1951. 6 R88
- 85328 EDMUNDS, H. Fat lamb production on a Breconshire farm. *Gt. Brit. Min. Agr. Agriculture* 58:217-222. Aug.1951. 10 G79J
- 85329 GALINDO, A. Origen del ganado lanar. *Ceres [Valladolid]* 16(181):10-11. June 1,1951. 15 C33
- 85330 GUMPPENBERG, FREIHERR VON. Die schafe im preisrichterurteil. *Neue Mitt. f. die Landwirt.* 6:411-412. June 23,1951. 18 N39
Sheep at the Hamburg show of the Deutsche Landwirtschafts-Gesellschaft.
- 85331 HOLM, R. E. Why raise sheep? *Hormel Farmer* 14:iii. Jan.15,1951. 49 H782
On the general farm.
- 85332 INSULANDER, N. Goat farming in Härjedalen. (In Swedish.) *Ladugården* 7:205-207. July 1951. 44.8 L12
- 85333 LIPSON, M. The development of sheep branding fluids removable by scouring. *Austral. J. Appl. Sci.* 2:200-204. Mar.1951. 475 Au74
- 85334 LYSOV, A. M. Brief review of achievements of All-Union Scientific-Research Institute of Karakul Sheep Raising. (In Russian.) *Karakulevodstvo i Zverovodstvo* 4(1):69-72. Jan./Feb.1951. 49 K14
- 85335 MANOV, A. A. Leaders—Stakhanovites of Nishan Karakul sheep raising State Farm. (In Russian.) *Karakulevodstvo i Zverovodstvo* 3(6):28-30. Nov./Dec. 1950. 49 K14
Their methods chiefly.
- 85336 NEEL, L. R., and STEVENSON, G. A trip down Sheep Street. *Farm & Ranch—South. Agr.* Upper So. Ed. 81(8):11. Aug.1951. 6 T31
Raising sheep on three farms in Tennessee.
- 85337 NEUMANN, A. L., MABRY, C. E., and GIFFORD, W. Sheep for lamb and wool production in Arkansas. *Ark. Agr. Expt. Sta. B.* 501,21 p. Jan.1951. 100 Ar42

SWINE

Breeds and Breeding

- 85347 BAADE, G. A. Schweine-leistungsprüfungen von der praxis aus gesehen. *Tierzüchter* 3:425-427. Aug.5,1951. 49 T445
- 85348 BRÜGGEMANN, H. Schweine im ring. I. Die weissen deutschen schwelnerassen. *Neue Mitt. f. die Landwirt.* 6:507-509. Aug.4,1951. 18 N39
- 85349 DAVIDSON, H. R. Britain's new pig research project. *Farmer & Stock-Breeder* 65(3226):76-77. Aug. 21,1951. 10 F228
Pig breeding.
- 85350 DAVIDSON, H. R. Lantras pig experiment in Scotland; will pigs from the imported nucleus be licensed for breeding here? *Farmer & Stock-Breeder* 65(3224):66-67. Aug.7,1951. 10 F228
- 85351 DOANE, D. H. What the commercial pork producer wants from the purebred hog breeder. *Amer. Hampshire Herdsman* 26(9):22,24. Sept.1951. 46.8 Am33
- 85352 DOWNEY, L. A. Pure-bred versus cross-bred pigs. *Victoria. Dept. Agr. J.* 49:277-279. June 1951. 23 V66J
- 85353 GLOUCESTERSHIRE OLD SPOTS PIG SOCIETY. Herd book, v. 18, 1947-1950, published by the National Pig Breeders' Association. Lewes, Sussex, Baxter,1951? 188 p. 46.9 G51
- 85354 GRUMMER, R. H. Where are we going with swine type? *Duroc News* 25(9):56,58. Sept.1951. 46.8 N212
- 85355 KIELANOWSKI, J. Types of swine. (In Polish.) *Med. Weter.* 7:400-404. June 1951. 41.8 M463
English summary.
- 85356 KRISTENSEN, H. Swine breeding at Sjaelland and the exhibition at Bellahøj. (In Danish.) *Husmands-hjemmet* 26:10. June 26,1951. 11 H963
- 85357 PEMBERTON, R. L. We are producing quality pork for our meat counters with a meat hog. *Amer. Hampshire Herdsman* 26(8):6-8. Aug.1951. 46.8 Am33
- 85358 ROHLFES, W. Wandlung des typs in der tierzucht-schwelnerassen. *Landwirtbl. Weser-Ems* 98:500-502. June 7,1951. 18 L2345
- 85359 SCHMIDT, J. Contrôle de la descendance porcine. *Porc* 22(6):9-15. July/Aug.1951. 46.8 P822
- 85360 TINDALL, C. Get a lot more pork by cross-breeding hogs. *Mo. Rur.* 92(15):12. Aug.11,1951. 6 R8891
- 85361 VOEGELI, S. New breeds of swine achieved in America by the genetic method. (In Italian.) *Riv. di Zootec.* 24:235-236. July 1951. 49 R52
Minnesota No. 1, Minnesota No. 2, and Montana No. 1.
- 85362 WHATLEY, J. A., JR., and CHAMBERS, D. Productivity of inbreeds, inbred and outbred gilts. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:83. 1951. 4 C82

85363 WHITE, C. W. American Landrace. Natl. Live Stock Prod. 29(11):10. Sept.1951. 280.38 N21

85364 WHITEMAN, J. V., HILLIER, J. C., and WHATLEY, J. A. Carcass studies on hogs of different breeding. J. Anim. Sci. 10:638-646. Aug.1951. 49 J82

Feeds and Feeding

85365 BELL, J. E. Crops for wintering pigs. New Zeal. Dept. Agr. B. 343,9 p. n.d. 50 N48Bu

85366 BONSMAN, J. C. The nutrition of the breeding pig. Farming So. Africa 26:184-190. June 1951. 24 So842

85367 BOWLAND, J. P., BEACOM, S. E., and MCELROY, L. W. Animal protein factor and antibiotic supplementation of small grain rations for swine. J. Anim. Sci. 10:629-637. Ref. Aug.1951. 49 J82

85368 BRÜGGEMANN, H., and RINTELEN, P. Trockennagemilch als eiweißsutter in der schweinemast. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1255-1256. Aug.30,1951. 18 L2346

85369 BRÜGGEMANN, H., and RINTELEN, P. Über den futterwert von kartoffelschnitzeln bei der schweinemast. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1221-1222. Aug.23,1951. 18 L2346

85370 CUNHA, T. J. Developments in swine nutrition. Flour & Feed 52(4):8-9. Sept.1951. 298.8 F66

85371 CUNHA, T. J., and others. Observations on supplementing corn-cottonseed meal rations for growing and fattening pigs. (Abs.) Assoc. South. Agr. Workers. Proc. 48:73-74. 1951. 4 C82

C. B. Shawver, R. F. Sewell, A. M. Pearson, H. D. Wallace, and R. S. Glasscock, joint authors.

85372 DYER, I. A., CULLISON, A. E., and HAYS, W. J. Special solvent cottonseed meal with and without a vitamin B12 supplement and streptomycin as a source of protein for pigs. J. Anim. Sci. 10:624-628. Aug.1951. 49 J82

85373 FEDIL, E. M., and RUDAKOV, A. I. Digestion in swine in relation to composition of ration. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:324-341. Ref. 1950. 389.79 D85

85374 GEURIN, H. B., HOEFER, J. A., and BEESON, W. M. Protein efficiency of corn by-products and other protein feeds for swine growth. J. Anim. Sci. 10:607-616. Ref. Aug.1951. 49 J82

85375 GIULIANI, R. Usable feeds in the nutrition of swine. 5-8. (In Italian.) Riv. di Zootec. 24:73-78,109-115,145-151,177-180. Mar.-June 1951. 49 R52

Title varies.
85376 HALE, F. How much feed is required for hog production. Sowest. Vet. 4(4):44-45. May 1951. 41.8 So82

85377 HIGGINS, F. H. Hogs on rice stubble. Rice J. 54(9):31. Sept.1951. 59.8 R36
California.

85378 IRELAND. DEPT. OF AGRICULTURE. The feeding of pigs. Ireland. Dept. Agr. Leaflet 27,8 p. Mar.1951. 10.5 Ir42

85379 KELLERMANN, J. H. Proteins, carbohydrates and fats in the nutrition of pigs. Farming So. Africa 26:225-228. July 1951. 24 So842

85380 KERR, M. H. Increased [swine] production takes good feed plus water. Md. Farmer 35(8):26. Aug. 1951. 6 M362

85381 KRUSE, B. He'll take grass-fed hogs. Successful Farming 49(9):70,72. Sept.1951. 6 Su12
Feeding a high-roughage ration.

85382 KUDRIAVTSEV, N. V. Ensilage of industrial potatoes and its effectiveness in swine fattening. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:222-234. 1950. 389.79 D85

85383 LANIER, P. De l'utilisation des sous-produits laitiers dans l'alimentation du porc. Vie Lait. 7(133):3. June 10,1951. 44.8 V67

85384 LANSDALE, D. Wean piglets at eight weeks. Mod. Poultry Keeping 65:232. Aug.29,1951. 47.8 Eg3

85385 MATIETS, M. I., LEPNOVA, V. I., and SHMAKOV, V. I. Controlled feeding as a method for improving the fattening characteristics of native swine breeds. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:53-79. Ref. 1950. 389.79 D85
Weight and measurement.

85386 MUGGLI, J. Die schweineeweide. Grüne 79:785-788. July 13,1951. 17 Sch9

85387 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Stepping up bacon production. XIV. Aids to profitable fattening. North. Ireland. Min. Agr. Mon. Rpt. 26:99-103. Aug.1951. 256.13 Ag82M

Housing and feeding of fattening hogs.

85388 ORENSANZ MOLINÉ, J. El cebo del cerdo. Ganaderia [Madrid] 9:284-286. June 1951. 49 G15

85389 PERUCHON, J. Importance exceptionnelle du sevrage des porcelets. Rev. Agr. de l'Afrique du Nord 49:530. July 13,1951. 80 R326

85390 POPOV, V. M. Effectiveness of feeding dried feed yeasts, Monilia murmanica, to growing swine. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:283-287. 1950. 389.79 D85
85391 POPOV, V. M. Experiment in standardization of quantity of digestible protein in the ration of growing swine. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:33-52. 1950. 389.79 D85

85392 ROBINSON, K. L., and COEY, W. E. Thiouracil as a supplement in rations for fattening pigs. J. Sci. Food & Agr. 2:365-371. Ref. Aug.1951. 382 So12

85393 RUDAKOV, A. I., SURIN, P. IA., and KABOZOV, S. M. Comparative effectiveness of swine fattening on concentrated and mixed rations. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:261-272. 1950. 389.79 D85

85394 RUDAKOV, A. I., SURIN, P. IA., and KABOZOV, S. M. Effectiveness of feeding steamed potatoes ensiled together with root crops or clover aftermath to swine for fattening. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:273-282. 1950. 389.79 D85

85395 RUDAKOV, A. I., and RUDAKOVA, E. P. Summer fattening of swine with potato silage and green feed. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:249-260. Ref. 1950. 389.79 D85

85396 STEPHENSON, E. L., and NEUMANN, A. L. The use of detoxified cottonseed meal as protein supplement for growing pigs. (Abs.) Assoc. South. Agr. Workers. Proc. 48:73. 1951. 4 C82

85397 SURIN, P. IA., KABOZOV, S. M., and RUDAKOV, A. I. Some modifications of industrial potato ensilage and evaluation of obtained silages. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:235-248. Ref. 1950. 389.79 D85
Experiments on swine.

85398 THOMAS, H. R., and KINCAID, C. M. Ladino clover for pigs fed at different levels of nutrition. (Abs.) Assoc. South. Agr. Workers. Proc. 48:74. 1951. 4 C82

85399 VAN DER VYVER, B. J. The nutritive value of crayfishmeal for young pigs. Farming So. Africa 26:205-208,212. June 1951. 24 So842

85400 VESTAL, C. M. Save more pigs and raise them cheaper with better pasture. Amer. Hampshire Herdsman 26(9):53-55,57. Sept.1951. 46.8 Am33

85401 VIANELLO, G. Birth of dead or blind piglets through vitamin A deficiency in the sow. (In Italian.) Humus 7(7):25-26. July 1951. 16 H88

85402 VUDYKA, I. KH. Effectiveness of using vitamin D in feeding growing pigs. (In Russian.) Vsesofūzn. Nauch. Issled. Inst. Kormlenifa Sel'skokhoz. Zhivotn. Trudy 1:95-102. 1950. 389.79 D85

85403 WOODMAN, H. E., and EVANS, R. E. Nutrition of the bacon pig. XIV. The determination of the relative supplemental values of vegetable protein (extracted, decorticated ground-nut meal) and animal protein (white-fish meal). J. Agr. Sci. 41:102-140. Ref. Jan./Apr.1951. 10 J822

85404 YOUNG, G. A., JR., and UNDERDAHL, N. R. A diet and technic for starting pigs without colostrum. Arch. Biochem. & Biophys. 32:449-450. July 1951. 381 Ar2

Veterinary Medicine

85405 BAJEZ, E. Neue Erkenntnisse zur hormonalen sterilisierung der sauen mit synthetischen Östrogenen. Wien. Tierärztl. Monatsschr. 38:481-482. July 1951. 41.8 T345

85406 BUTTIAUX, R., GAUMONT, R., and MOREL, P. Salmonella dans les ganglions mésentériques de porcs. Inst. Pasteur. Ann. 81(2):236-238. Ref. Aug. 1951. 448.3 An75

85407 CARPENTER, L. E. Effect of APF concentrate containing aureomycin on gestating, lactating, and growing swine. J. Anim. Sci. 10:657-664. Aug.1951. 49 J82

- 85408 CHRISTIANSEN, M. Experiments at Tavlebakkegård. (In Danish.) *Andelsbladet* 52:527-528. May 3, 1951. 280.28 An2
Swine diseases.
- 85409 DĄBROWSKI, T., and DASZKIEWICZ, I. On pasteurellosis of sucking pigs. (In Polish.) *Med. Weter.* 7:372-376. June 1951. 41.8 M463
- 85410 DEDIE, K. Die impfung mit rotlauf-adsorbat-vakzine 1950 im spiegel der praxis. *Monatsh. f. Vetmed.* 6:279-283. July 15, 1951. 41.8 M742
- 85411 GIBSON, T. E. For the control of worms in pigs, hygiene is more important than drugs. *Farmer & Stock-Breeder* 65(3223):72. July 31, 1951. 10 F228
- 85412 GIBSON, T. E. Sodium fluoride is safe and efficient. *Farmer & Stock-Breeder* 65(3224):72. Aug. 7, 1951. 10 F228
Control of worms in pigs.
- 85413 GIFFORD, C. W. New "safe" cholera vaccine released for use. *Farm J.* 75(9):16-17, 20. Sept. 1951. 6 F2212
To be called MLV.
- 85414 GORNIOWICZ, E. Swine influenza in the industrial pig-fattening houses and its treatment. (In Polish.) *Med. Weter.* 7:323-324. May 1951. 41.8 M463
- 85415 HENNIG, E., and LEONHARDT, H. Über eine zur nekrose neigende gastroenteritis beim schwein. *Monatsh. f. Vetmed.* 6:275-279. July 15, 1951. 41.8 M742
- 85416 HOLZINGER, L. Zur hormonalen kastration weiblicher schweine. *Wien. Tierärztl. Monatsschr.* 38:483-486. Ref. July 1951. 41.8 T345
- 85417 KARSTEN, F. Das wichtigste über die brucellose suis. *Tierärztl. Umschau* 6:284-286. Aug. 1951. 41.8 T445
- 85418 KIRKOR, S. The influence of bee-poison on infection with swine erysipelas and on *Erysipelothrix rhusiopathiae*. (In Polish.) *Med. Weter.* 7:383-388. Ref. June 1951. 41.8 M463
- 85419 KMENT, A. Die physiologischen grundlagen der "hormonalen kastration." *Wien. Tierärztl. Monats-schr.* 38:440-461. Ref. July 1951. 41.8 T345
English summary.
Swine.
- 85420 KOMOROWSKI, R. Cesarean section in the sow. (In Polish.) *Med. Weter.* 7:322-323. May 1951. 41.8 M463
- 85421 KUDO, N. Study on the intrauterine inbedding of pig embryos. I. On the intrauterine migration of the fertilized ovum. (In Japanese.) *Sapporo Soc. Agr. & Forestry.* J. 39:22-33. Ref. Mar. 1951. 22.5 Sol
English summary.
- 85422 LUKE, D. Studies in tuberculous sensitivity in the pig. II. *Vet. Rec.* 63:515-518. Aug. 11, 1951. 41.8 V641
- 85423 MCNUTT, S. H. The influence of disease on the swine industry. *Vet. Med.* 46:410-412. Oct. 1951. 41.8 M69
- 85424 MARTIN, T. Parálisis contagiosa del cerdo o enfermedad de Teschen. *Campo [Sevilla]* 10(108):15. Mar. 1951. 15 C15
Spain.
- 85425 OLIVARES C., J. Cólera porcino en el Perú. *Inst. Nac. de Biol. Anim. Rev.* 1:22-34. Dec. 1950. 442.9 L62R
- 85426 PALLASKE, G. Zur ursachenforschung des sog. herztodes der schweine. *Tierärztl. Umschau* 6:275-278. Ref. Aug. 1951. 41.8 T445
- 85427 PERUCHON, J. Les microbes et les aliments. *Porc* 2(6):27-29. July/Aug. 1951. 46.8 P822
- 85428 PIERCY, S. E. A pox-like condition of swine in Kenya. *Vet. Rec.* 63:574-575. Sept. 8, 1951. 41.8 V641
- 85429 PINKERTON, H. E. An unusual disease of swine. *Fort Dodge Bio-chem. Rev.* 21(4):3-6. Winter 1951. 41.8 F772
- 85430 POWICK, W. C., and others. Effect of nicotine acid, vitamin B12 and aureomycin on growth of pigs and on resistance to artificial infection with *Salmonella choleraesuis*. *J. Anim. Sci.* 10:617-623. Aug. 1951. 49 J82
N. R. Ellis, C. N. Dale, and M. R. Zinober, joint authors.
- 85431 QUESADA, A. Contribution to the study of immunization against swine pest. (In Italian.) *Zooprofilassi* 6:277-283. Ref. July 1951. 41.8 Z72
English summary.
- 85432 ROBERTSON, G. L., and others. Age at puberty and related phenomena in outbred Chester White and Poland China gilts. *J. Anim. Sci.* 10:647-656. Ref. Aug. 1951. 49 J82
R. H. Grummer, L. E. Casida, and A. B. Chapman, joint authors.
- 85433 SCHOOP, G. Der herzkloppenrotlauf, eine sepsis lenta des schweines. *Monatsh. f. Prakt. Tierheilk.* (n.s.) 3:129-136. 1951. 41.8 M74
- 85434 SOLNTSEV, K. M. Effect of rations with a surplus of calcium or phosphorus on the metabolism and development of growing pigs. (In Russian.) *Vsesofuzn. Nauch. Issled. Inst. Kormleniia Sel'skokhoz. Zhivotn. Trudy* 1:204-221. Ref. 1950. 389.79 D85
- 85435 STASKIEWICZ, G. Hormonal castration of pigs. (In Polish.) *Med. Weter.* 7:315-316. May 1951. 41.8 M463
- 85436 TILLMANN, H. Zur geburtshilfe beim schwein. *Tierärztl. Umschau* 6:317-323. Sept. 1951. 41.8 T445
- 85437 TZSCHACHER, W. Truw-therapie in der schweinepraxis. *Tierärztl. Umschau* 6:323-325. Sept. 1951. 41.8 T445
Aphthenosol.
- 85438 ULBERG, L. C., GRUMMER, R. H., and CASIDA, L. E. The effects of progesterone upon ovarian function in gilts. *J. Anim. Sci.* 10:665-671. Aug. 1951. 49 J82
- 85439 ZADURA, J. Poisonings with fish meal among pigs. (In Polish.) *Med. Weter.* 7:314-315. May 1951. 41.8 M463

Miscellaneous

- 85440 AUBEL, C. E. Swine production in Kansas. *Kans. Agr. Expt. Sta. B.* 344, 76 p. June 1951. 100 K13S
Bulletin 334, revised.
- 85441 BECKMAN, H. J. Danger approaching—don't let hot weather rob you of this year's crop of market hogs. *West. Livestock J.* 29(43):127-128. July 15, 1951. 6 F2278
- 85442 DOWNEY, L. A., and KILLEEN, N. C. New piggery, Rutherglen Research Station. *Victoria. Dept. Agr. J.* 49:249-252. June 1951. 23 V66J
- 85443 FONTAN, J. M. Cría práctica del cerdo. *Agr. Costarricense* 9:161-164. (Cont.) Apr. 1951. 8 Ag895
- 85444 FOX, K. A. Pig farming in two hemispheres. *Farmer & Stock-Breeder* 65(3223):67. July 31, 1951. 10 F228
Lincolnshire and South Africa.
- 85445 GRANT, R. Pigs and poultry. 2. *Grower [London]* 36:315-316. Aug. 18, 1951. 286.83 M34
- 85446 LACEY, J. J. Are you thinking of a pig hatchery? *Hoard's Dairyman* 96:700. Sept. 10, 1951. 44.8 H65
- 85447 LANSDALE, D. The care of pigs after farrowing. *Mod. Poultry Keeping* 65:152. Aug. 8, 1951. 47.8 Eg3
- 85448 LIVINGSTON, C. J. Judging swine. *Ala. Farmer* 30(8):5-6, 8. May 1951. 276.8 AL1
- 85449 MONTEMAYOR, M. R. How to plan a 25-sow piggery. *Agr. & Indus. Life* 13(7):14, 22, 47. July 1951. 25 Ag8
Care.
- 85450 NASSO, A. DI. Considerations on the raising of swine. (In Italian.) *Romagna Agr. e Zootec.* 36(8):2. May 1951. 16 R66
- 85451 NEEL, L. R. In hog-raising better methods bring better profits. *Farm & Ranch—South. Agr. Upper So. Ed.* 81(9):11, 57. Sept. 1951. 6 T31
- 85452 OWTRAM, I. H. Management of pigs from weaning to slaughter. *New Zeal. J. Agr.* 82:493, 495-496. June 1951. 23 N48J
- 85453 PLAGER, W. L. Where are we going in the hog business? *Hereford Swine J.* 11(7):8. Aug. 1951. 46.8 H42
Meat production.
Also in *Hormel Farmer* 14(12):5, 8. Aug. 15, 1951. 49 H782
- 85454 QUATIFE, E. L. Clean ground still pays off. *Wallaces' Farmer & Iowa Homestead* 76(16):5. Aug. 18, 1951. 6 W15
Pig losses reduced when raised on clean ground.
- 85455 SARDONE, L. T. More feed than pig in the Queensland Pig Scheme. *New Zeal. Farmer* 72(12):13-15. Aug. 2, 1951. 23 N484
Pig production in Queensland and exports of baconers and sorghum to Britain under the Scheme.
- 85456 SQUIBB, R. L., and others. La crianza de cerdos en la América tropical. *Cent. Nac. de Agron. B. Tec.* 8, 18 p. Mar. 1951. 8 Sa54B
E. Salazar, A. C. de Baca, J. E. Flanagan, joint authors.

ENTOMOLOGY

GENERAL

- 85457 BRAESTRUP, F. W., ed. Vort lands dyreliv [Our country's animal life]. København, Gyldendal, 1949-50. 3 v. 411.2 B73
Material on insects and other Arthropods.
- 85458 BURTON, J. F., and OWEN, D. F. Further observations on migrant insects in the Thames Estuary. *Entomologist* 84:160-161. July 1951. 421 En8
- 85459 CARVALHAES, J. The ecological significance of mimicry in insects. (In Portuguese.) *Brotéria* 20:49-54. Ref. (Concl.) Aug. 1951. 410 B79C
- 85460 CUMBER, R. A. A year's operation of a modified Rothamsted light trap. *New Zeal. J. Sci. & Technol. B, Gen. Res. Sect.* 32:1-8. July 1950, pub. Feb. 1951. 514 N48B
- 85461 GRASSE, P. P. Biocénétique et phénomène social. *Ann. Biol.* 55:153-160. Feb. 1951. 442.8 An7
Insects as examples.
- 85462 IABLOKOFF, A. K. Facteurs biotiques et plasticité éthologique des insectes. *Soc. Ent. de France. Ann.* 118:95-112. Ref. 1949, pub. 1951. 420 F84
- 85463 JOHNSON, R. H. An ecological study; an investigation into the animals to be found on a tree stump and a comparative estimation of their numbers. *Rugby Sch. Nat. Hist. Soc. Rpt.* 84:14-17. 1950, pub. 1951. 410.9 R84
Includes descriptions of insects found.
- 85464 JONES, D. W., HODGES, E. M., and KIRK, W. G. Insects do well at this time of year. *Fla. Cattleman* 15 (12):34-35, 62-63. Sept. 1951. 43.8 F66
Pasture pests in Florida.
- 85465 KLEFBECK, E. Insects and other terrestrial Arthropoda from Anholt. *Opusc. Ent.* 16:17-26. 1951. 421 Op7
- 85466 MAMPELL, K. Wandlungen des organischen. *Rev. Suisse de Zool.* 58:537-551. June 1951. 410 R324
Includes discussion of mutations in insects.
- 85467 MATSUZAWA, H. On the insect association in the rice plant nursery and the effect of typhoon upon the quantity of them. *Researches on the insect association in the rice plant nursery. Preliminary report.* (In Japanese.) *Botyu-Kagaku* 4:218-222. Dec. 1950. 421 B65
English summary.
- 85468 NATURAL camouflage; wild creatures disguise themselves or simply manage to be invisible. *Life* 31(6):44-50. Aug. 6, 1951. 280.8 L62
Photographs by L. Hess; Includes insects.
- 85469 NEUMANN, F. Insekten erleichtern sich die nektarentnahme. *Deut. Bienenztg.* 6:44-45. Mar. 1, 1951. 424.8 D488
- 85470 OLBERG, G. Im wunderland der blumeninsekten und insektenblumen. I-III. *Deut. Bienenztg.* 6:33-35, 49-50, 81-82. Mar. 1-Apr. 1, June 1, 1951. 424.8 D488
- 85471 SJOLUND, E. O. Glimpses from the work of the Agricultural Board. (In Swedish.) *Tidskr. f. Hushållsk. och Skogsvårdsstyr. i Gävleborgs Län* 26:36-38. 1950. 11 T434
- 85472 SWEDEN. STATENS VÄXTSKYDDSANSTALT. Skadedjur inomhus [Indoor pests]. Sweden. Stat. Växtskyddsanst. Flygbl. 94, 8 p. 1951. 464.9 Sw3
Revised edition of No. 73, 1945.
- 85473 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. List of publications of the Division of Insecticide Investigations, January 1, 1951 to June 30, 1951, by R. C. Roark. Washington, 1951. 3 p. 1.9 En866P
- 85474 VERGE, J. Les salmonelloses des animaux à sang froid. *Rev. de Path. Compar.* 51:233-238. Ref. Apr. 1951. 448.8 R326
Includes insect vectors.
- 85475 VIETINGHOFF-RIESCH, A. F. V. Vertilgerkreise einiger forstschädlinge in bildlicher darstellung. *Anz. f. Schädlingk.* 24:124-127. Aug. 1951. 421 An9
- 85476 WELLMANN, G. Über blutsaugende insekten als mechanische seuchenträger bei tierern. *Z. f. Hyg. Zool. u. Schädlingbekämpf.* 39:97-103. Ref. 1951. 449.8 Z36
- 85477 WILDE, W. H. A. A bi-valve type of insect feeding cage. *Canad. Ent.* 83:206-208. Aug. 1951. 421 C16
- 85479 ANDERSON, E. D. Modern sprayers for modern insecticides. *Chem. Specialties Mfr. Assoc. Off. Proc.* 37:63-65. Dec. 1950. 307.9 C42
- 85480 ANDREWARTHA, H. G. Contributions of agricultural research in insect pest control. *Austral. Inst. Agr. Sci. J.* 17:94-95. June 1951. 23 Au74
- 85481 ARAMBOURG, Y. La lutte anti-parasitaire outre-mer. *Nouvelle Rev. Franç. d'Outre-Mer (n.s.)* 43. 108-110. June 1951. 280.8 B873
Insect pest control.
- 85482 ARCHIMOWITSCH, K. Plagas del tomate en el año 1950. *Siembra [Madrid]* 7(5):21-22. May 1951. 15 Si1
Insect pests in Spain.
- 85483 AVIDOV, Z., and BEN-HAIM, N. Observations on pests of subtropical fruit trees in Israel. (In Hebrew.) *Jewish Agency Palestine. Agr. Res. Sta. Ktavim* 1:245-286. Ref. Dec. 1950. 107 J552
Abridged English translation, p. 55-69.
- 85484 BALL, H. J., and BECK, S. D. The role of the circulatory and nervous systems in the toxic action of parathion. *J. Econ. Ent.* 44:558-564. Aug. 1951. 421 J822
Tests on *Periplaneta americana*.
- 85485 BEARD, R. L. Chemical activity ratios in relation to species-specificity. *J. Econ. Ent.* 44:469-471. Aug. 1951. 421 J822
Systemic insecticides.
- 85486 BELLAVITE, F. Control of grain and legume pests in storage. (In Italian.) *Informatore Agr.* 7(15):4-5. Aug. 1, 1951. 281.8 In32
- 85487 BLACKALLER V., A. Las plagas del maíz en Mexico. II. *Asoc. Gen. de Agr. B.* 296:5-7. June 15, 1951. 8 As52
Insect pests.
- 85488 BOSELLI, F. B. Control measures for animal parasites of plants. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:337-341. 1951. 464.9 C767
Insects.
- 85489 BOWEN, C. V. Report on benzene hexachloride. *Assoc. Off. Agr. Chem. J.* 34:689. Aug. 15, 1951. 381 As7
- 85490 BRAZIL halts era of modern pest control. *Agr. Chem.* 6(9):50-51, 117, 119. Sept. 1951. 381 Ag8
- 85491 BRETT, R. L. Larvabrome. *Larvacide Log* 12:3. Jan. 1951. 421 L32
A fumigant for buildings.
- 85492 BRION, A. A rural disinfection campaign. (In Portuguese.) *Agr. e Pecuaria* 22(332):21-22. May 1951. 9.2 Ag89
France.
- 85493 BRUEL, W. E. VAN DEN. Constatations sur l'état actuel de la diffusion des ravageurs dans les différents pays et sur les moyens à adopter pour en protéger les cultures et les réserves alimentaires. *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:186-201. 1951. 464.9 C767
- 85494 BUSSART, J. E. Recent developments on chlordane and heptachlor. *Chem. Specialties Mfr. Assoc. Off. Proc.* 37:76. Dec. 1950. 307.9 C42
- 85495 BUTLER, E. Do you know these cotton insects? *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 66(7):38, 41. July 1951. 6 P945G
- 85496 CAMPAU, E. J. Report of the Insecticide Scientific Committee [of the Chemical Specialties Manufacturers Association]. *Chem. Specialties Mfr. Assoc. Off. Proc.* 37:66-69. Dec. 1950. 307.9 C42
- 85497 CANADA. DEPT. OF AGRICULTURE. SCIENCE SERV. DIV. OF ENTOMOLOGY. A regional review of insects of the season 1950, compiled by C. G. McNay. *Canad. Insect Pest Rev.* 29(1):109 p. 1951. 423.92 C16C
- 85498 CANDURA, G. S. Constatations sur l'état actuel de la diffusion des parasites en Italie et sur les moyens à adopter pour en protéger les cultures et les réserves alimentaires. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:342-355. 1951. 464.9 C767
French summary.
- 85499 CANIZO, J. DEL. Las plagas y enfermedades de los frutales en el vivero. I-II. *Siembra [Madrid]* 7(5):9-12; (6):9-13. May-June 1951. 15 Si1
- 85500 CEVALLOS G., M. A. Plan de trabajo a realizarse en la campaña contra las plagas "gualpa," "ceruilera" y "gusano chato" del cocotero en la Península de Cujimiles e Isla de Esmeraldas contigua. *Manabí, Ecuador. Consorcio de Cent. Agr. B.* 12(66):41-43. Apr./June 1951. 9.5 M31

GENERAL - ECONOMIC

- 85478 AKAMATSU, M., and WATANABE, K. Studies on the trichlorobenzene, produced by decomposing the inactive-isomers of BHC. (In Japanese.) *Botyu-Kagaku* 16:90-96. June 1951. 421 B65
English summary.

- 85501 CHABOUSSOU, M. F. Les insectes souterrains nuisibles au tabac. Tarn-et-Garonne Agr. 14:66. Apr. 1951. 14 T17
- 85502 CHEMICAL SPECIALTIES MANUFACTURERS ASSOCIATION. Official proceedings, 37th annual meeting, December 3-5, 1950, Hotel New Yorker, New York. New York, Soap and Sanit. Chemicals, 1950. 222 p. 307.9 C42
- Have also proceedings of the 36th mid-year meeting, Chicago, June 12-13, 1950. 307.9 C42
- Includes papers on insecticides and pest control.
- 85503 COLBERG, W. J., and MUNRO, J. A. Garden pest control guide. N. Dak. Agr. Col. Ext. C. A-155, 6 p. Feb. 1951. 275.29 N812Sa
- 85504 COLLYER, E. A method for the estimation of insect populations on fruit trees. East Malling Res. Sta. Annu. Rpt. 38:148-151. 1950, pub. 1951. 103 Ea7
- 85505 CONNECTICUT UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Pest control guide, 1951, by F. D. Johanson, P. Garman, and E. M. Stoddard. Storrs, 1951. various pagings. 275.29 C76Pc
- Control of fruit pests.
- 85506 COPER, H., HERKEN, H., and KLEMPAU, J. Zur pharmakologie und toxikologie chlorierter cyclohexane. Arch. f. Expt. Path. u. Pharmacol. 212:463-471. Ref. May 15, 1951. 448.8 Ar2
- Contains data on the toxicity of benzene hexachloride.
- 85507 CORTES P., R. Reseña acerca del control biológico de plagas de la agricultura en Chile. Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocations, Proc.-Verb., Rap., Commun. et Résolutions 1:389-392. 1951. 464.9 C767
- 85508 CORY, E. N. Orchid pests and their control. (Sum.) Natl. Capital Orchid Soc. B. 5:13-15. June 1951. 81 N2122
- Insects.
- 85509 COWIN, R. O. Lindane space sprays and aerosols. Chem. Specialties Mfr. Assoc. Off. Proc. 36:73. June 1950. 307.9 C42
- 85510 DAWSON, J. C., and MILLARD, R. Safeguard your raw materials and you safeguard profits. Food Engin. 23(9):67-68, 161. Sept. 1951. 389.8 F737
- Food storage pest control.
- 85511 DEBACH, P. The necessity for an ecological approach to pest control on citrus in California. J. Econ. Ent. 44:443-447. Ref. Aug. 1951. 421 J822
- Biological Control Symposium. Pt. I.
- 85512 DINELLI, D., and CARBOTTI, S. On some products from a synthesis of chloral and furan derivatives and their insecticidal power. (In Italian.) Ann. di Chim. 41:391-396. June 1951. 385 An7
- 85513 DOWNING, R. C. Aerosols; stability; insecticide solubility. Chem. Specialties Mfr. Assoc. Off. Proc. 36:37-39, 41. June 1950. 307.9 C42
- 85514 DOWNS, W. G., BORDAS, E., and NAVARRO, L. Duration of action of residual DDT deposits on adobe surfaces. Science 114:259-262. Ref. Sept. 7, 1951. 470 Sci2
- 85515 DUNCAN, C. H. Oklahoma's war against pests, disease. Mkt. Growers J. 80(8):12-13. Aug. 1951. 6 M34
- 85516 EADS, R. B., and IRONS, J. V. Current status of public health entomology at the state level. Amer. J. Pub. Health 41:1082-1086. Sept. 1951. 449.9 Am3J
- 85517 EDWARDS, F. I., JR. Report on parathion. Assoc. Off. Agr. Chem. J. 34:686-689. Aug. 15, 1951. 381 As7
- 85518 ESQUISSE d'un tableau synoptique de la défense des cultures en Afrique du Nord. Élevage et Cult. 3(27): 11, 13, 15-18; (28):17. (Cont.) Mar.-Apr. 1951. 24 EL2
- Tables of insect pests and diseases of grapes and other fruit.
- 85519 FALES, J. H., and others. Tests with two insecticidal aerosols for use on aircraft. J. Econ. Ent. 44:621-622. Aug. 1951. 421 J822
- R. H. Nelson, R. A. Fulton, and O. F. Bodenstein, joint authors.
- 85520 FERGUSON, G. R. Survey on incidence of fabric pest damage and recommended control measures. Chem. Specialties Mfr. Assoc. Off. Proc. 36:77-79. June 1950. 307.9 C42
- 85521 FOCACCIA, S. Chlordane, benzene hexachloride, methoxychlor and other modern insecticides. (In Italian.) Chimica 6:223-225. Ref. June 1951. 385 C445
- Chemistry.
- 85522 FOSTER, A. C. The stability, persistence, and effects on plant growth of some of the new insecticides in soils. (Abs.) Assoc. South. Agr. Workers. Proc. 48:68-69. 1951. 4 C82
- 85523 FRASER, A. Poisoning England at the roots? Farmers Wk. [London] 35(5):47, 49. Aug. 3, 1951. 10 F2226
- Toxicity of insecticides and factors affecting the balance of nature.
- 85524 FULTON, R. A., NELSON, R. H., and YEO-MANS, A. H. Evaluation of liquefied-gas aerosols. Soap & Sanit. Chem. 27(8):129, 131. Aug. 1951. 307.8 So12
- 85525 GAINES, J. C., and MISTRIC, W. J., JR. Effect of rainfall and other factors on the toxicity of certain insecticides. J. Econ. Ent. 44:580-585. Aug. 1951. 421 J822
- 85526 GARTON, J. E., and MORGAN, M. J. A graphic method of calculating spray mixes. Okla. Agr. Expt. Sta. Misc. P. MP-23, 7 p. July 1951. 100 Ok4
- 85527 GONZÁLEZ MENDOZA, R. "Palomilla" del cafeto. Cent. Nac. de Invest. de Café. B. de Ext. 8, 4 p. Mar. 1951. 68.29 C33B
- Colombia.
- 85528 GOULD, E. Fruit insect pests and their control. Tenn. State Hort. Soc. Proc. 45:29-37. 1950. 81 T25
- 85529 GRANDORI, R. Répercussions économiques et sociales des dégâts causés par les parasites des plantes. Considérations sur l'importance présumée des dégâts occasionnés par ceux-ci aux récoltes, soit par l'attaque directe des cultures, soit par l'attaque des réserves alimentaires. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocations, Proc.-Verb., Rap., Commun. et Résolutions 1:61-75. 1951. 464.9 C767
- French summary.
- Insect pests.
- 85530 GRANETT, P., CONNOLA, D. P., and LEMBACH, J. V. Laboratory tests of allethrin for stability, residual action and toxicity. J. Econ. Ent. 44:552-557. Aug. 1951. 421 J822
- Aedes aegypti, Musca domestica and Periplaneta americana used as test animals.
- 85531 GREEN, H. B. Peach insect control experiments in Mississippi in 1949-1950. (Abs.) Assoc. South. Agr. Workers. Proc. 48:93. 1951. 4 C82
- 85532 GRIFFITHS, J. T. Insects of occasional importance on Florida citrus and their control. Citrus Mag. 13(13):25-26. Sept. 1951. 80 C498
- 85533 GRIFFITHS, J. T. Possibilities for better citrus insect control through the study of the ecological effects of spray programs. J. Econ. Ent. 44:464-468. Ref. Aug. 1951. 421 J822
- Biological Control Symposium. Pt. IV.
- 85534 GRIFFITHS, J. T., and others. Toxicology of parathion and other phosphatic insecticides and precautions for their use on citrus. Fla. Agr. Expt. Sta. B. 479, 24 p. Ref. June 1951. 100 F66S
- J. W. Williams, W. L. Thompson, and C. R. Stearns, Jr., joint authors.
- 85535 GROS, L. P. Les oiseaux et l'agriculture. Révell Agr. 60:225-226. Aug. 1, 1951. 14 R322
- Insect control in orchards.
- 85536 HAMNER, A. L. Preliminary observations of several chemicals for stored grain protection. (Abs.) Assoc. South. Agr. Workers. Proc. 48:95. 1951. 4 C82
- Organic insecticides.
- 85537 HARDTL, H. Über die wirkung des senföls auf tier und pflanze. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:91-94. Ref. May 1951. 464.9 N11
- 85538 HARRIS, T. H. Report on chlordane and toxaphene. Assoc. Off. Agr. Chem. J. 34:672-674. Aug. 15, 1951. 381 As7
- Determination in insecticides.
- 85539 HEYROTH, F. F., and WITHERUP, S. Toxicity of chlordane in aerosols. Chem. Specialties Mfr. Assoc. Off. Proc. 37:86-88. Dec. 1950. 307.9 C42
- 85540 HILLIAR, R. Plaga de los frutales. Charla Rur. 150:18-19. Apr. 1951. 9 C37
- Insects.
- 85541 HOLMES, E. L. Insect infestation in transit. Biscuit & Cracker Baker 39(2):33-35, 50, 52. Feb. 1950. 389.8 C84
- Flour.
- 85542 HOLWAY, R. T. Recent developments in the chemical control of insects. Med. Tech. B. 2:93-105. May/June 1951. 159 M46
- 85543 HUBBARD, R. D. Think twice before you condemn the insect. Va. Fruit 39(2):53-57. Feb. 1951. 81 V81B
- 85544 HUGE, T. L. Insects and rodents in food plants. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:10-11. 1951. 44.9 Oh35M

- 85545 HYMAN, J. & CO. 1950 Entomological report, Aldrin (Compound 118). Denver, 1951. 72 p.
423.9 H99En
- 85546 HYMAN, J. & CO. 1950 Entomological report, Dieldrin (Compound 497). Denver, 1951. 68 p.
423.9 H99E
- 85547 INOUE, Y., and others. Studies on the synthetic pyrethrins. I. Synthesis of Chrysanthemum-mono-carboxylic acid. (In Japanese.) Botyu-Kagaku 16:111-114. June 1951. 421 B65
- Y. Katsuda, A. Nishimura, K. Kitagawa, and M. Ohno, joint authors.
English summary.
- 85548 JANNONE, G. Results of experimental studies on the residual efficacy of some derivatives of a thio-phosphoric ester with synthesized chlorinated products. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:400-403. 1951. 464.9 C767
- 85549 JANNONE, G. La toxicité présumptive et l'action des antiparasitaires sur les plantes. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:304-309. 1951. 464.9 C767
- French summary.
- 85550 JOHANSSON, E. Investigations concerning insect damage to oats in Hälsingland and Dalarna. (In Swedish.) Lantbrtidskr. f. Dalarna 6:213-214. Dec. 1950. 11 L29
- 85551 JONES, H. A., SCHROEDER, H. O., and INCHO, H. H. Biological tests of allethrin with synergists. Chem. Specialties Mfr. Assoc. Off. Proc. 36:63-66. June 1950. 307.9 C42
- 85552 JOST, W. Forstmann, schütze deinen wald vor insekten, treibe vogelschutz! Forstl. Mitt. 4:94, 97. May 20, 1951. 99.8 F7725
- 85553 KALSHOVEN, L. G. E., SODY, H. J. V., and BEMMEL, A. C. V. VAN. De plagen van de cultuurgewassen in Indonesië [Pests of Indonesian crops], v. 2. 's-Gravenhage, Hoeve, 1951. 1065 p. 423 K122
- English translation of the text for illustrations, 14 p., tipped in in front.
- 85554 KAMESAKI, T., and KASAHARA, M. Studies on the synthesis of BHC. V. Preliminary experiment on the manufacture of BHC. 4. (In Japanese.) Botyu-Kagaku 4:201-206. Dec. 1950. 421 B65
- English summary.
- 85555 KATSUDA, Y., and others. Studies on the synthetic pyrethrins. II. Synthesis of cinerolone-homologues. (In Japanese.) Botyu-Kagaku 16:115-119. June 1951. 421 B65
- Y. Inoue, A. Nishimura, K. Kitagawa, T. Shinohara, and M. Ohno, joint authors.
English summary.
- 85556 KÖHLER, E. Versuche zur bekämpfung der viruskrankheiten der pflanzen mit chemischen mitteln. Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:221-228. 1951. 464.9 C767
- Insecticides for control of vectors.
- 85557 KOTTE, W. Erfahrungen im obstbaulichen pflanzenschutz. Bauern-Ztg. 4(31):7-8. Aug. 3, 1951. 18 B324
- Spraying for pest control.
- 85558 KRAGTWIJK, C. Spraying with parathion. (In Dutch.) Vakbl. v. de Bloemisterij 6:234, 235. July 27, 1951. 80 V22
- Control of greenhouse pests.
- 85559 LAAN, P. A. VAN DER. The danger of applying some organic phosphate compounds as insecticides in the agriculture of Indonesia. (In Dutch.) Landbouw [Bogor] 23:108-110. Jan./Mar. 1951. 22.5 L23
- 85560 LATIF, A., and KHAN, A. W. Fumigation of foodgrains in the Punjab. Pakistan J. Sci. 2:130-139. Ref. Oct. 1950. 475 P172
- For insect pests.
- 85561 LEÓN ORTEGA, M. Chlordane técnico para insecticidas. Asoc. Gen. de Agr. B. 292:7. Apr. 15, 1951. 8 As52
- 85562 LEPAGE, H. S., and SILVA, S. G. DA. Forecast for consumption of insecticides and fungicides in the State of São Paulo in the 1951/52 crop year. (In Portuguese.) Rev. dos Mercados 2(9):45-53. May 1951. 286.8 R328
- 85563 LHERITIER, G. Essai de lutte contre l'alcutte par une émulsion à base de gamma H. C. H. Phytoma 26(4):22-23. May 1951. 464.8 P563
- 85564 LOTTO, G. DE. Insects harmful to cultivated and wild plants of Eritrea. 4-5. (In Italian.) Soc. Ital. di Med. e Ig. Trop. Sez. Eritrea di Med. Umana e Vet. B. 10:183-194. 1950. 448.9 So16
- 85565 MCNAMEE, R. W. General nature of allethrin. Chem. Specialties Mfr. Assoc. Off. Proc. 36:57. June 1950. 307.9 C42
- 85566 MARIMPIETRI, L. Méthodes de contrôle chimique des insecticides modernes. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:276-279. 1951. 464.9 C767
- French summary.
- 85567 MATSUBARA, H. Studies on synergist for insecticides. III. On the colorimetric determination of egonol. (In Japanese.) Botyu-Kagaku 16:99-102. June 1951. 421 B65
- English summary.
- 85568 MATSUBARA, H., and OMOTE, Y. Studies on synergist for insecticides. IV. On the molecular distillation of ego seed oil. (In Japanese.) Botyu-Kagaku 16:103-104. June 1951. 421 B65
- English summary.
- 85569 MAUGHAN, F. B., MIZELL, F. M., and NICHOLS, J. P. Further studies on aerosol formulations with lethane and other toxicants. Chem. Specialties Mfr. Assoc. Off. Proc. 37:96-98. Dec. 1950. 307.9 C42
- 85570 MAYER, K. Zur problematik der neuen kontaktinsektizide. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 5:81-85. Ref. May 1951. 464.9 N11
- 85571 MELIS, A. Usage des insecticides modernes de synthèse contre les parasites animaux des plantes et des produits agricoles. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:173-185. 1951. 464.9 C767
- French summary.
- 85572 MOORE, J. B. Allethrin—standardization, analysis, storage. Chem. Specialties Mfr. Assoc. Off. Proc. 36:58-59. June 1950. 307.9 C42
- 85573 MOORE, J. B. Synergist "264." Chem. Specialties Mfr. Assoc. Off. Proc. 36:72. June 1950. 307.9 C42
- Aerosols.
- 85574 MOORE, J. M. The place of allethrin in the aerosol program. Chem. Specialties Mfr. Assoc. Off. Proc. 37:89-91. Dec. 1950. 307.9 C42
- 85575 NAGASAWA, S. On the knock down effect of the DDT powder to the adult of the common housefly (Musca domestica L.), with special reference to the mixing of carrier. Studies on the biological assay of insecticides. XIV. (In Japanese.) Botyu-Kagaku 16:104-107. June 1951. 421 B65
- English summary.
- 85576 NAGASAWA, S., SUMITA, S., and HIRAI, S. On the inspection of mosquitocide incense. Studies on the biological assay of insecticides. X. (In Japanese.) Botyu-Kagaku 4:206-217. Ref. Dec. 1950. 421 B65
- English summary.
- 85577 NAKAYAMA, H. Studies on the joint action in insecticide. III. On the synergistic action of safrol derivatives for pyrethrins to knock-down and mortality against the adult of the common housefly (Musca domestica L.). (In Japanese.) Botyu-Kagaku 4:223-230. Dec. 1950. 421 B65
- English summary.
- 85578 NAKAZIMA, M., INAGAKI, K., and TATI, T. Reaction of benzene hexachloride with metal powder. (The utilization of the inactive isomers of benzene hexachloride II.) (In Japanese.) Botyu-Kagaku 16:107-111. June 1951. 421 B65
- English summary.
- 85579 NASH, K. H. Biological tests of allethrin with-out synergists. Chem. Specialties Mfr. Assoc. Off. Proc. 36:61-62. June 1950. 307.9 C42
- 85580 NEISWANDER, R. B. Insecticides for use on ornamental plants. Arborist's News 16:62-63. June 1951. 99.8 Ar14
- 85581 NETTO, P. C. Coffee culture and pests. (In Portuguese.) Soc. Rur. Bras. Rev. 31(367):56. June 1951. 9.2 B733
- Insect pests of coffee.
- 85582 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGY BR. Insect pest survey for the year ending 30th June, 1950. Sydney, 1951. 52 p. 423.92 N472
- 85583 NICHOLS, J. P. Lethanes in aerosols. Chem. Specialties Mfr. Assoc. Off. Proc. 36:74. June 1950. 307.9 C42

- 85584 NORTHEN, R. T. Parathion poisoning, its symptoms and treatment. *Amer. Orchid Soc. B.* 20:531-532. Sept. 1951. 80 Am329
- 85585 NOVIKOV, V. K. Use of DDT and benzene hexachloride in fur-bearing animal farming. (In Russian.) *Karakulevodstvo i Zverovodstvo* 3(6):66-68. Nov./Dev. 1950. 49 K14
- 85586 NOVITZKY, S. The organization of biologic control for plant parasites and weeds in Europe. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:430-434. 1951. 464.9 C767
- 85597 ORDISH, F. G. Control de plagas en el campos. *Res* 19:26123-26124. July 20, 1951. 286.85 R31
- Pests and diseases.
- 85588 OWEN, K., JR. Control insects and diseases in greenhouses. *Mkt. Growers J.* 80(8):16-17, 21. Aug. 1951. 6 M34
- 85589 PARKINSON, T. C. Aims and purposes of the Insecticide Division [of the Chemical Specialties Manufacturers Association]. *Chem. Specialties Mfr. Assoc. Off. Proc.* 36:75. June 1950. 307.9 C42
- 85590 PAVLOVSKII, V. V. From experiments of using DDT and benzene hexachloride preparations on sheep raising state farms. (In Russian.) *Karakulevodstvo i Zverovodstvo* 3(6):61-66. Nov./Dec. 1950. 49 K14
- 85591 PERETZ, Y. The control of the principal insect pests of vegetables. (In Hebrew.) *Hassadeh* 31:385-387. May 1951. 26 H27
- 85592 PITCHER, R. S. The raspberry cane midge [*Thomasiana theobaldi*] and its control. *East Malling Res. Sta. Annu. Rpt.* 38:211-212. 1950, pub. 1951. 103 Ea7
- 85593 PORTMAN, R. W. Idaho pest control urged. *West. Fruit Grower* 5(8):22. Aug. 1951. 95.8 G762
- Insect pests.
- 85594 POTTER, G. C., SHELLENBERGER, J. A., and FARRELL, E. P. The effectiveness of grain cleaning equipment and pre-break systems for removing hidden infestation. *Amer. Miller & Processor* 79(8):21, 24. Aug. 1951. 298.8 Am32
- Removal of insects and insect fragments.
- 85595 REED, W. G. Review of operations under the Federal Insecticide, Fungicide and Rodenticide Act. *Chem. Specialties Mfr. Assoc. Off. Proc.* 37:84-86. Dec. 1950. 307.9 C42
- 85596 RICCHELLO, A. Le contrôle sur la production et sur le commerce des antiparasitaires pour usage agricole. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:264-269. 1951. 464.9 C767
- French summary.
- 85597 RICHARDSON, C. H. Effects of insecticidal fumigants on the germination of seed corn. *J. Econ. Ent.* 44:604-608. Aug. 1951. 421 J822
- 85598 RIEMSCHEIDER, R., and FRÖMMING, E. Über die wirkung von insektiziden auf gastropoden. *Mitt. l. Anz. f. Schädlingsk.* 24:106-108. Ref. July 1951. 421 An9
- 85599 RIPLEY, L. B. Diseases of insects. *Farming So. Africa* 26:216. July 1951. 24 So842
- 85600 RIPPER, W. E., GREENSLADE, R. M., and HARTLEY, G. S. Selective insecticides and biological control. *J. Econ. Ent.* 44:448-459. Ref. Aug. 1951. 421 J822
- Chiefly systemic insecticides.
- Biological Control Symposium. Pt. II.
- 85601 ROARK, R. C. Scabrin—the new botanical insecticide. *Chem. Specialties Mfr. Assoc. Off. Proc.* 37:77. Dec. 1950. 307.9 C42
- 85602 ROKA, L. Über den wirkungsmechanismus der kontaktinsektizide. *Z. f. Hyg. Zool. u. Schädlingsbekämpf.* 39:14-23. Ref. Jan. 1951. 449.8 Z36
- 85603 ROMANO, E. The evaporation of DDT and chlordan exposed to light. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:785-789. 1951. 16 An76
- English summary.
- 85604 ROONEY, H. A. Report on organic thiocyanates. *Assoc. Off. Agr. Chem. J.* 34:677-680. Aug. 15, 1951. 381 As7
- Determination in insecticides.
- 85605 ROSELLA, E. L'actualité au verger. *Réveil Agr.* 60:182. June 15, 1951. 14 R322
- Control of insect pests.
- 85606 RUSSO, G. La lutte biologique contre les parasites animaux des végétaux en Italie. (In Italian.) *Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions* 1:213-220. 1951. 464.9 C767
- French summary.
- 85607 RYKER, T. C. Adding insecticides to seed treatment being given further study and careful trial. *DuPont Seed Treater, Summer* 1951:4. 464.8 D92
- 85608 SAKAI, S., SATO, M., and KOZIMA, K. Insect toxicological studies on the joint toxic action of insecticides. II. On the joint toxic action between contact insecticides. I. *Botyu-Kagaku* 16:130-140. June 1951. 421 B65
- 85609 SAMUEL, B. L. Chromatographic separation and determination of some organic thiocyanates in insecticide products. *Assoc. Off. Agr. Chem. J.* 34:764-765. Aug. 15, 1951. 381 As7
- 85610 SCHENKER, P. Winterquartiere von Insekten. (Abs.) *Bern. Natforsch. Gesell. Mitt. (n.s.)* 7:XXXV-XXXVII. 1950. 508 B45
- 85611 SCHROEDER, H. O., and BERLIN, F. D. Allethrin in aerosols. *Chem. Specialties Mfr. Assoc. Off. Proc.* 36:33, 35-36. June 1950. 307.9 C42
- 85612 SCHUBERT, A. Bienenzucht und vogelschutz. *Unser Wald* 4(6):3-4. June 1951. 99.8 Un7
- Insect control by birds compared to hazards from insecticides.
- 85613 SCOGNAMIGLIO, A. The institution in Portici of the National Center of Biological Control. (In Italian.) *Humus* 7(7):23. July 1951. 16 H88
- Insect control.
- 85614 SEARLS, E. M. Insect and rodent prevention in dairy plants. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 17:60-62. 1950. 44.9 Oh35M
- 85615 SELKE, K. Über die eignung der infrarotstrahlung zur bekämpfung von vorratsschädlingen. *Nachrb. f. den Deut. Pflanzenschutzdienst (n.s.)* 5:70-72. Apr. 1951. 464.9 N11
- 85616 SHARP, S. S. Origins of the modern insecticide industry. (Sum.) *Du Pont de Nemours, E. I. & Co. Agr. News Let.* 19:83-88. Sept./Oct. 1951. 6 D92
- 85617 SHERMAN, R. W. Insect control on aircraft. *Soap & Sanit. Chem.* 27(8):122-123, 125, 127. Aug. 1951. 307.8 So12
- 85618 SHIELDS, S. E., CHURCH, J. L., JR., and MEADE, R. H. History of residual spraying in Tennessee. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:93. 1951. 4 C82
- DDT.
- 85619 SILVA, A. DA. Pest control with derris. (In Portuguese.) *Rev. dos Criadores* 22:21-22. Jan. 1951. 43.8 R32
- 85620 SILVA, S. G. DA. Supplying of insecticides for protection of cotton production. (In Portuguese.) *Agr. em São Paulo* 1(4):28-29. July 1951. 9.2 Ag823
- 85621 SMITH, C. N. New materials for use as insect repellents. *Chem. Specialties Mfr. Assoc. Off. Proc.* 37:80-81. Dec. 1950. 307.9 C42
- 85622 SMITH, R. C. Dr. Smith reports on the flood. *Pest Control* 19(9):18, 50. Sept. 1951. 449.8 Ex8
- Insect pests and their control by DDT.
- 85623 STARR, D. F. Recent advances on the allethrin-synergist combination. *Chem. Specialties Mfr. Assoc. Off. Proc.* 37:82-83. Dec. 1950. 307.9 C42
- 85624 STARR, D. F. Sulfox-cide. *Chem. Specialties Mfr. Assoc. Off. Proc.* 36:70-71. June 1950. 307.9 C42
- Aerosol synergist.
- 85625 STEARNS, C. R., JR., and others. Concentration of parathion vapor in groves after spraying and effects of the vapor on small animals. *Citrus Mag.* 13(13):22-23. Sept. 1951. 80 C498
- J. T. Griffiths, W. R. Bradley, and W. L. Thompson, joint authors.
- 85626 STEINER, H. Schädlinge in haus, hof und garten. 5-6. *Kosmos* 47:226-229, 282-285. May-June 1951. 474 K842
- 85627 SUZUKI, T., and IWASAKI, R. Studies on the physical properties of agricultural chemicals. III. Emulsification of emulsion. I. (In Japanese.) *Botyu-Kagaku* 16:75-82. June 1951. 421 B65
- English summary.
- 85628 TAYLOR, J. G., DEAY, H. O., and OREM, M. T. Some engineering aspects of electric traps for insects. *Agr. Engin.* 32:496, 498. Sept. 1951. 58.8 Ag83
- 85629 TOD, H. Follow the instructions; the merits and dangers of some new insecticides. *Power Farming Austral. & New Zeal.* 60(6):69. June 1951. 58.8 P87

85630 TOOPS, E. E., JR., and RIDDICK, J. A. Determination of gamma isomer content of 1,2,3,4,5,6-hexachlorocyclohexane. *Anal. Chem.* 23:1106-1110. Ref. Aug. 1951. 381 J825A

85631 TOWNES, H., and DOBROVSKY, T. M. Tobacco insect control in North Carolina. *N. C. Agr. Col. Ext. C. 351, rev.*, 8 p. Mar. 1951. 275.29 N811

85632 TRCUVELOT, B., and ARNOUX, J. Particularités de la lutte contre les insectes nuisibles du pommier à cidre et études qu'elles appellent. *Acad. d'Agr. de France. Compt. Rend.* 37:371-373. June 6/13, 1951. 14 P215Bc

85633 ULLYETT, G. C. Insects, man and the environment. *J. Econ. Ent.* 44:459-464. Aug. 1951. 421 J822

Balance of nature as affected by insect control. Biological Control Symposium. Pt. III.

85634 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of Lebanon. *U. S. Bur. Ent. & Plant Quar. B. E. P. Q.* 593, 3 p. Aug. 15, 1951. 1.9F73

85635 WATTS, J. G. A review of research on insecticide-fertilizer mixtures for soil insect control in the Southeast. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48: 67-68. 1951. 4 C82

85636 WEILER, Nützliche Insekten im Garten. *Gärt.-Kur.* 6(11):2-3. June 1, 1951. 80 G1942

85637 WELLENSTEIN, Die gressen gefahren. *Unser Wald* 4(5):1-3. May 1951. 99.8 Un7

85638 WEYL, V. E. Exterminer las plagas con insecticidas modernos. *Hacienda* 46(9):42-45. Sept. 1951. 6 H11

85639 WITHERUP, S. Progress report of toxicological study of chlordane in aerosols. *Chem. Specialties Mr. Assoc. Off. Proc.* 36:69-70. June 1950. 307.9 C42

85640 WORLD HEALTH ORGANIZATION. EXPERT COMMITTEE ON INSECTICIDES. Report on the second session, Geneva, 4-11 October 1950. *World Health Organ. Tech. Rpt. Ser.* 34, 82 p. May 1951. 449.9 W892T

85641 YOUNG, L. A., and NICHOLSON, H. P. Stream pollution resulting from the use of organic insecticides. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:92-93. 1951. 4 C82

85642 ZACHER, F. Gefährliches kükenfutter; gedanken über schädlingsverschleppung durch futtermittel. *Gesunde Pflanzen* 3:175-176. Aug. 1951. 464.8 G33

APICULTURE AND APIS MELLIFERA

85643 ADAM, BROTHOR. In search of the best strains of bees. *Bee World* 32:57-62. Aug. 1951. 424.8 B399

85644 ADAM, BROTHOR. Das zusetzen von königinnen. *Carnika-Züchterring* 2:143-144. (Concl.) Oct. 1950. 424.8 C21

85645 ADDINGTON, R. Making a nucleus. *Wiltshire Beekeepers' Gaz.* 74:16-17. July/Aug. 1951. 424.8 W71

85646 AKERMAN, A. The bee, a useful domestic animal. (In Swedish.) *Bitidningen* 50:213-215. July 1951. 424.8 B54

85647 ALASSIMONE, V. De l'hivernage. *Rev. Franç. d'Apic. (ser.2)* 61:492. Jan. 1951. 424.8 R329

85648 AMERY, J. W. Beekeeping notes. *Brit. Bee J.* 79:512. July 7, 1951. 424.8 B77

Colony management.

85649 AMMON, A. Etwas über den stamm "Gürbe." *Schweiz. Bienen-Ztg.* 74:206-207. May 1951. 424.8 Sch9

85650 ANDREU, E. L'abeille et l'agriculture. *Rev. Agr. de l'Afrique du Nord* 49:439-440. June 8, 1951. 80 R326

85651 ANDREU, E. L'insémination artificielle chez les abeilles. *Rev. Agr. de l'Afrique du Nord* 49:559-560. July 27, 1951. 80 R326

85652 BALDENSPERGER, A. Presseschau; einblick in die werkstätten der lebensforschung, wobei auch zur gegebenen zeit bienen, bienengift und pollen in erscheinung treten werden. *Apic. Alsacien* 12:180-186. Dec. 1950. 424.8 E17

Effects of colchicine.

85653 BANZHAF, J., JR. Wolkenkratzer sind erwünscht, aber ausziehbar! *Deut. Bienenztg.* 6:57-58. Apr. 1, 1951. 424.8 D488

85654 BARAS, A. Une méthode pratique pour renouveler en bloc toutes les reines d'un petit rucher (7 à 8 colonies). *Synd. Apic. d'Artois et du Nord de la France. B. Mens.* 7:185-187. June 1951. 424.9 Sy7

85655 BARDEL, J. Hibernation et hivernage. *Rev. Franç. d'Apic. (ser.2)* 61:487-490. Jan. 1951. 424.8 R329

85656 BEAUCOURT, J. Informations apicoles acarieuses. *Synd. Apic. d'Artois et du Nord de la France. B. Mens.* 7:107-109. Apr. 1951. 424.9 Sy7

85657 BELDAME, R. Un progrès important à réaliser. *Gaz. Apic.* 52:166, 172. June 1951. 424.8 G25

Banat bees introduced in France.

85658 BERNARD, F. Peut-il y avoir trop de ruches? *Cour. Apic. Franç.* 4:57-59. July/Aug. 1951. 424.8 C832

85659 BIEBERDORF, G. A. Honeybees as conservationists. *Okla. Game & Fish News* 7(5):10. May 1951. 410 Ok4

Pollination by bees.

85660 BLAKEMAN, A. J. Know your bees. *Scot. Beekeeper* 27:164-165. Aug. 1951. 424.8 Sco8

Colony management.

85661 BOGELSACK, G. Weiden (Salix) als wertvolle frühjahrspollenspender. *Deut. Bienenztg.* 6:41. Mar. 1, 1951. 424.8 D488

85662 BOISSERIN, P. DE. La prévention des maladies des abeilles. *Rev. Franç. d'Apic. (ser.2)* 65:574-575. May 1951. 424.8 R329

85663 BONE, D. Our grandfathers and the winter problem. *V. Bee Craft* 33:149. Aug. 1951. 424.8 B3925

85664 BOWEN, A. H. Bee farming. *Brit. Bee J.* 79:504. June 30, 1951. 424.8 B77

85665 BRÜGMANN, A. Die rechtsverhältnisse bei herrenlos gewordenen bienenvölkern. *Deut. Bienenztg.* 6:91-92. June 1, 1951. 424.8 D488

85666 BUDEL, A. Prouesses géométriques et physiques de l'abeille. *Gaz. Apic.* 52:213-214. July 1951. 424.8 G25

85667 BURGOYNE, J. L. Current comment. *Brit. Bee J.* 79:454, 472. June 9-16, 1951. 424.8 B77

On native [i.e. English] bees, and food for bees.

85668 BURT, J. D. Build your own truck body. *Mod. Beekeeping* 35:186-190. June 1951. 424.8 B397

85669 CALS, G. H. Comment employer les sulfamides dans la lutte contre les maladies des abeilles. *Rev. de Path. Compar.* 51(624):93-94. Jan. 1951. 448.8 R326

85670 CAMP, T. Out of the honeycomb. *So. African Bee J.* 26:16. Mar./Apr. 1951. 424.8 So82

Colony management.

85671 CAVAILLE, A. Utilisation décorative de plantes mellifères. *Rev. Franç. d'Apic. (ser.2)* 61:484. Jan. 1951. 424.8 R329

85672 CENTRE DE RECHERCHES APICOLES. Rapport sur l'activité du Centre de recherches apicoles à Guebwiller (Haut-Rhin) en 1950. *Apic. Alsacien* 1:1-8. Jan. 1951. 424.8 E17

85673 CHOQUETTE, C. Juin et juillet marquent la période de la grande miellée. *B. des Agr.* 47(5):20-21. May 1951. 7 B872

Canada.

85674 COFFEY, W. R. E. Mexican beekeeping, 1822. *Scot. Beekeeper* 27:162. Aug. 1951. 424.8 Sco8

85675 COLIN, M. Culture et apiculture. *Rev. Franç. d'Apic. (ser.2)* 61:482. Jan. 1951. 424.8 R329

Bees as pollinators.

85676 CRANIDGE, T. F. Mating of the queen. *Scot. Beekeeper* 27:142-143. July 1951. 424.8 Sco8

85677 CROCKER, F. Bee-keeping—past and present. *Good Bee-Keeping* 8:121-122. Aug. 1951. 424.8 G59

Discusses hives.

85678 CROWSON, H. W. Spring notes. *Brit. Bee J.* 79:447-448. June 9, 1951. 424.8 B77

Mostly on supersedure.

85679 DILLER, J. Doppel-oder einfachwandige bienenbeuten? *Deut. Bienenztg.* 6:92-93. June 1, 1951. 424.8 D488

85680 DOHRN, E. Der wert der inselbelegstellen. *Carnika-Züchterring* 2:160-161. Nov./Dec. 1950. 424.8 C21

85681 FATTOVICH, M. La apicultura como auxiliar de agricultura. *Uruguay. Inst. Nac. de Colon. B. Anexo* 2(14):8-9. Mar. 1951. 282.29 Ur8

85682 FELSING, E. Unbegattete königinnen—milbenübertragung kaum möglich! *Carnika-Züchterring* 2:159-160. (Cont.) Nov./Dec. 1950. 424.8 C21

85683 FISCHER, F. Behandle deine schwärme richtig. *Deut. Kleintier-Züchter* 6(15):4. July 5, 1951. 49 Su22

Apis mellifera.

85684 FLEMING, M. The impact of the "70's." In commemoration of the centenary of Langstroth, 1851-1951. *Brit. Bee J.* 79:531-532, 546-547. July 14-21, 1951. 424.8 B77

85685 FRIGG, G. Bienen im lawinnenschnee. *Schweiz. Bienen-Ztg.* 74:287. June 1951. 424.8 Sch9

- 85686 FRISCH, R. Care of mating stock at the Aka-Station. (In Norwegian.) *Birøkteren* 67:130-133. (Cont.) Aug. 1951. 424.8 B53
- 85687 GALLIN, A. Elevage économique simultané de quatre reines. *Synd. Apic. d'Artois et du Nord de la France. B. Mens.* 7:179-180. June 1951. 424.9 Sy7
- 85688 GARDNER, L. C. Annual re-queening pays. *Beekeepers' Mag.* 14(8):7-10. Aug. 1951. 424.8 M58
- 85689 GEISSMANN, A. Drohnen und bienen. Schweiz. Bienen-Ztg. 74:287-288. June 1951. 424.8 Sch9
- 85690 GEORGI, E. Die zellstellung der waben. *Deut. Bienenztg.* 6:44. Mar. 1, 1951. 424.8 D488
- 85691 GIL COLLADO, J. Una interesante aplicación de las sulfamidas en apicultura. *Cuba Ganad.* 10(12):28-30. Aug. 1951. 49 C89
- Treating foulbrood, chiefly with sulfathiazol.
- 85692 GLETTTHOFER, B. Die wichtigkeit der säuern in der bienenzucht. *Carnika-Züchterring* 2:148. Oct. 1950. 424.8 C21
- 85693 GONNET, P. Sur une nouvelle méthode de division des ruches. *Gaz. Apic.* 52:200-201. July 1951. 424.8 G25
- 85694 GOODERHAM, C. B. Queen rearing. *Irish Beekeeper* 5:156. July 1951. 424.8 Ir42
- 85695 GOODING, S. Disease from imported bees. *Brit. Bee J.* 79:581-582. Aug. 4, 1951. 424.8 B77
- 85696 GOODING, S. Queenlessness. *Brit. Bee J.* 79:597. Aug. 11, 1951. 424.8 B77
- 85697 GRANSTRÖM, A. On bees and beekeeping in Västerbotten Province. (In Swedish.) *Västerbotten* 4:99-103. July 1950. 11 V442
- 85698 GRAVENOR, W. Our legal obligations to fellowmen. *So. African Bee J.* 26:5. Mar./Apr. 1951. 424.8 So82
- Insurance.
- 85699 GREEN, G. W. L. S. D. [i.e. pounds, shillings, pence] of beekeeping. *Brit. Bee J.* 79:810. Aug. 18, 1951. 424.8 B77
- 85700 GROOT, A. P. DE. Effect of a protein containing diet on the longevity of caged bees. *Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci.* 54:272-274. May/June 1951. 442.9 Am8
- 85701 GROSKREUTZ, H. Mes expériences avec l'helenium automnale. *Gaz. Apic.* 52:214-215. July 1951. 424.8 G25
- 85702 GROUT, R. A. Saving bits of beeswax. *Amer. Bee J.* 91:322-323. Aug. 1951. 424.8 Am3
- 85703 GUILHON, J. Intoxication des abeilles par les insecticides. *Rev. de Path. Compar.* 51(624):86-88. Jan. 1951. 448.8 R326
- English summary.
- 85704 GUILHON, J. Parasitisme des abeilles par les Diptères. *Rev. de Path. Compar.* 51(624):88-90. Jan. 1951. 448.8 R326
- English summary.
- 85705 GYGLI, K. Die verwertung begatteter königinnen. Schweiz. Bienen-Ztg. 74:260-272. June 1951. 424.8 Sch9
- Chiefly on queen introduction.
- 85706 HADDEMO, H. Wintering with evacuation boards. (In Swedish.) *Bitidningen* 50:243-245. Aug. 1951. 424.8 B54
- Colony management.
- 85707 HASTINGS, E. An experiment in supersedure. *West. Canada Beekeeper* 14(9):6,9. Sept. 1951. 424.8 W525
- Swarming supersedure in disguise.
- 85708 HAUTERIVE, P. DE. Conseils à un débutant sur le choix de sa ruche. *Synd. Apic. d'Artois et du Nord de la France. B. Mens.* 7:114-122. Apr. 1951. 424.9 Sy7
- 85709 HAVAS, L. J. Insectes et colchicine; introduction à l'étude de l'action de la colchicine chez les abeilles. *Apic. Alsacien* 12:188-192. Dec. 1950. 424.8 E17
- 85710 HAVAS, L. J., and REBERT, F. Travaux d'approche du problème du cancer par le venin d'abeilles. *Apic. Alsacien* 1:9-16; 6:89-90. Jan.-June 1951. 424.8 E17
- 85711 HEATON, D. Is there a danger of bees in-breeding? *Good Bee-Keeping* 8:123-125. Aug. 1951. 424.8 G59
- 85712 HEBDEN, A. Ways and means towards better bee keeping. *Yorkshire Beekeeper* 2:42-43, 57-59. June, Aug. 1951. 424.8 Y8
- Colony management and queen identification.
- 85713 HILL, P. El problema apícola. *Cult. Mod.* 34:220-222. June 1951. 15 C89
- Colony management.
- 85714 HOFBAUER, H. Die wirkliche leistung eines bienenvolkes. *Carnika-Züchterring* 2:168. Nov./Dec. 1950. 424.8 C21
- 85715 ILTON, C. D. Robber bees. *Victoria. Dept. Agr. J.* 49:256-258. June 1951. 23 V66J
- 85716 JEFFREE, E. P. The swarming period in Wiltshire. *Wiltshire Beekeepers' Gaz.* 74:2-3. July/Aug. 1951. 424.8 W71
- 85717 JENSEN, K. Observations on double beehives. (In Norwegian.) *Birøkteren* 67:126-129. Aug. 1951. 424.8 B53
- 85718 KASSE, H. Queen rearing in Germany. (In Swedish.) *Bitidningen* 50:215-218. July 1951. 424.8 B54
- 85719 KENNERLY, A. B. Pickles the bees help to make. *Mod. Beekeeping* 35:229. July 1951. 424.8 B397
- 85720 KIRBY, A. J. A short discussion upon nectar secretions, honey, syrups and hive ventilation. *Brit. Bee J.* 79:413, 430-431, 449, 470-471. May 26-June 16, 1951. 424.8 B77
- 85721 KIRBY, A. J. Water. *Brit. Bee J.* 79:548-549, 562-563, 577-578. July 21-Aug. 4, 1951. 424.8 B77
- 85722 KIRK, H. B. Vast progress made in apiary inspection in Pennsylvania in past twenty years. *Pa. Beekeeper* 26(2):4-9. June 1951. 424.8 P38
- 85723 KLOSS, Rechtsfragen in der bienenzucht. *Bienenwarte* 4:97-98. (Cont.) Apr. 25, 1951. 424.8 B4722
- 85724 KNELL, O. Wie man es nicht machen soll. *Deut. Bienenztg.* 6:89-90. June 1, 1951. 424.8 D488
- Colony management.
- 85725 KNOWLTON, G. F. Parathion kills honey bees. *Farm & Home Sci. [Utah Sta.]* 12:23. June 1951. 100 Ut1F
- 85726 KOSCHER, J. Le nourrissage stimulant d'automne. *Rev. Franç. d'Apic. (ser.2)* 64:560-561. Apr. 1951. 424.8 R329
- 85727 KUMMER, K. Nochmals die "Peschetz." *Carnika-Züchterring* 2:155. Oct. 1950. 424.8 C21
- 85728 LACRAMPE-QUINTA. Le "paquet" d'abeilles. *Gaz. Apic.* 52:89-90. Mar. 1951. 424.8 G25
- 85729 LAMBERT, J. Thinking of next season's harvest now. *Good Bee-Keeping* 8:115-116. Aug. 1951. 424.8 G59
- Preparations for wintering bees.
- 85730 LANG, E. Der forstmann und seine bienen. *Forstl. Mitt.* 4:95. (Cont.) May 20, 1951. 99.8 F7725
- Behavior of *Apis mellifera*.
- 85731 LEHMANN, A. Können jungvölker im kampf gegen die bienenmilbe helfen? Schweiz. Bienen-Ztg. 74:224-226. May 1951. 424.8 Sch9
- 85732 LEHNART, A. Nochmals: beiträge zur bienenwohnungsfrage. *Deut. Bienenztg.* 6:42-44. Mar. 1, 1951. 424.8 D488
- 85733 LEOPOLD, O. Das innenklima eines bevölkerten bienenstockes. *Österr. Imker* 1:53-54. Mar. 1951. 424.8 Os7
- 85734 LINDAUER, M. Die temperaturregulierung der bienen bei stocküberhitzung. *Naturwissenschaften* 38:308-309. July 1, 1951. 474 N213
- 85735 LORRAIN, A. Grille à reine et cire gaufrée. *Rev. Franç. d'Apic. (ser.2)* 65:572-573. May 1951. 424.8 R329
- 85736 LUNDIE, A. E. Swarm control. *So. African Bee J.* 26(1):22-23; (2):2-3, 5, 7. (Cont.) Mar./Apr.-May/June 1951. 424.8 So82
- 85737 LUTZ, R. La mort lente ou rapide des abeilles par les insecticides. *Gaz. Apic.* 52:197-199. July 1951. 424.8 G25
- 85738 LUTZIGER, J. Dunkle landrasse oder Krainerbiene? Schweiz. Bienen-Ztg. 74:205-206. May 1951. 424.8 Sch9
- 85739 MAAGENDANS, H. G. The bees and the law. (In Dutch.) *Maandschr. v. Bijenteelt* 53:98-99. (Cont.) June 1951. 424.9 V58
- 85740 MCCLUGGAGE, E. R. B. The production of comb honey in sections. *Scot. Beekeeper* 27:161-162. Aug. 1951. 424.8 Sco8
- 85741 MAINELLI, M. Wane of beliefs in apiculture. (In Italian.) *Colt. e Glor. Vinic. Ital.* 97:216-217. July 31, 1951. 16 C72
- 85742 MAREK, F. Die bedeutung des kittharzes für die biene und seine herkunft. *Österr. Imker* 1:60-62. Mar. 1951. 424.8 Os7
- 85743 MAUL, H. Zur frage des zuchtzieles. *Carnika-Züchterring* 2:163-165. Nov./Dec. 1950. 424.8 C21
- 85744 MEDICI, M. Durante el invierno tambien hay que hacer en el colmenar. *Mundo Agr.* 3(25):66. June 1951. 9 M92

85745. MEDICI, M. Indicaciones para el apicultor principiante. Campo [Tacuba] (ser.2)19(712):47-48,50-51. June 30,1951. 8 C157
Colony management.
85746. MEIER, R. Gedanken zum königinnenhandel. Schweiz. Bienen-Ztg. 74:286-287. June 1951. 424.8 Sch9
85747. MEIER, R. Ist brutstopp zu empfehlen? Schweiz. Bienen-Ztg. 74:230-231. May 1951. 424.8 Sch9
85748. MIELLET, R. Nourrissement stimulant. Rev. Franç. d'Apic. (ser.2)62:504-505. Feb.1951. 424.8 R329
85749. MIELLET, R. A propos du mal des forêts. Rev. Franç. d'Apic. (ser.2)64:551-552. Apr.1951. 424.8 R329
85750. MILLION, G. Déplacements de ruches - transports pastoraux. Rev. Franç. d'Apic. (ser.2)62:512. Feb.1951. 424.8 R329
85751. MITCHENER, A. V. Temperature and bee-keeping. West. Canada Beekeeper 14(9):3-5. Sept.1951. 424.8 W525
85752. MORRIS, R. G. Piping. Bee Craft 33:135. July 1951. 424.8 B3925
85753. MÜLLER, F. Wabenordnung für den wintersitz. Schweiz. Bienen-Ztg. 74:275-276. June 1951. 424.8 Sch9
85754. NEWMAN, C. H. B. Inexpensive combined postal and introduction cage. Bee Craft 33:132. July 1951. 424.8 B3925
85755. OERTEL, E., and others. Inversion of cane sugar in the honey stomach of the bee. J. Econ. Ent. 44:487-492. Ref. Aug.1951. 421 J822
E. A. Fieger, V. R. Williams, and E. A. Andrews, joint authors.
85756. OLBERG, G. Bestohlene bienen. Orion 6:571. July 15,1951. 474 Or4
Habits and behavior.
85757. ORLANDO. La ruche de Layens. Cour. Apic. Franç. 4:60-63. July/Aug.1951. 424.8 C832
85758. PATRICK, W. F. The marriage flight of the queen. Irish Beekeeper 5:145-146,152. July 1951. 424.8 Ir42
85759. PEASE, N. Using the perforator. Brit. Bee J. 79:409. May 26,1951. 424.8 B77
85760. POTETZKI, G. Zum aufsatz "die biologisch fest fundierte betriebsweise" in heft 12/50. Deut. Bienenztg. 6:51-53. Apr.1,1951. 424.8 D488
85761. PURSEY, M. Swarm control by selective breeding. I-II. Bee Craft 33:126-127,150. July-Aug.1951. 424.8 B3925
85762. RAMM, L. Directives pour l'introduction d'une reine. Rev. Franç. d'Apic. (ser.2)63:525-526. Mar.1951. 424.8 R329
85763. RAUTENBERG, H. J. Das einengen der völker. Deut. Bienenztg. 6:53-55. Apr.1,1951. 424.8 D488
85764. RAUTENBERG, H. J. Etwas über ableger. Deut. Bienenztg. 6:86-88. June 1,1951. 424.8 D488
85765. RAUTENBERG, H. J. Zur frage der magazin-beuten. II. Deut. Bienenztg. 6:38-41. Mar.1,1951. 424.8 D488
85766. REDL, A. Eine wahrnehmung aus de Züchterpraxis. Carnika-Züchterring 2:161-162. Nov./Dec.1950. 424.8 C21
85767. RHEINHEIMER, O. Ertragsteigerung durch frühtracht-völker. Deut. Bienenztg. 6:35-38. Mar.1,1951. 424.8 D488
85768. RISSE, J. "Carnika"-die weltbiene, ein kostbarer schatz unserer heimat. Carnika-Züchterring 2:141-143. Oct.1950. 424.8 C21
85769. RITTERSHAUS, W. Der "bein" eine besondere züchterische angelegenheit. Carnika-Züchterring 2:169. Nov./Dec.1950. 424.8 C21
85770. ROBERTS, D. Combined uncapping can and cappings press. New Zeal. J. Agr. 82:482. June 1951. 23 N48J
Honey extraction equipment.
85771. ROBERTS, W. C., and MACKENSEN, O. Breeding improved honey bees. Mod. Beekeeping 35:206-207, 234-239. June-July 1951. 424.8 B397
85772. ROCA, L. Quel type de ruche choisir. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 7:110-113. Apr.1951. 424.9 Sy7
85773. ROUSSEAU, M. L'action du Laboratoire Apicole du Service de la Recherche Vétérinaire du Ministère de l'Agriculture. Rev. de Path. Compar. 51 (624):91-93. Jan.1951. 448.8 R326
In bee disease control.
85774. SCHEFFLER, L'abeille agent de propagation de la levure de fleurs. Rev. Franç. d'Apic. (ser.2)62:505. Feb.1951. 424.8 R329
85775. SCHESTAUBER, J. Die wachsmotte; der grösste feind der bienenwirtschaft und ihre wirksamste bekämpfung. Osterr. Kleintierzüchter 9/10:958; 13/14: 989-990. May, July 1951. 49 Os7
85776. SCHMID, S. "Landflucht" in der bienenzucht. Kärntner Bauer 101:419-420. July 21,1951. 19 K14
85777. SCHMID, S. Die technisierung in der bienenwirtschaft. Osterr. Landtech. 4:87-88. Mar.1951. 58.8 L236
85778. SCHÖNAUER, G. Die imkerliche fachpresse Österreichs. Carnika-Züchterring 2:178-179. Nov./Dec. 1950. 424.8 C21
85779. SCHROERSCHWARZ, J. Die bienen im herbst beim kleingärtner. Carnika-Züchterring 2:146-147. Oct.1950. 424.8 C12
85780. SCHUBERT, A. Bienenfeindliche pflanzen. Deut. Kleintier-Züchter 6(12):7. June 20,1951. 49 Su22
85781. SCHULER, M. L'apiculture en Allemagne. Gaz. Apic. 52:176-178. June 1951. 424.8 G25
85782. SCHUMACHER, A. Scheinbare kleinigkeiten bei züchterischen arbeiten. Schweiz. Bienen-Ztg. 74:273-274. June 1951. 424.8 Sch9
85783. SCHWARTNER, A. Reizfüttern oder nicht? Kritische betrachtungen zur herbstreizfütterung. Carnika-Züchterring 2:170-171. Nov./Dec.1950. 424.8 C21
85784. SCHWEIER, J. Aufstellung der beuten im bienenhaus und errichtung eines bienenstandes. Deut. Bienenztg. 6:90-91. June 1,1951. 424.8 D488
85785. SCHWEISHEIMER, W. The honey bee and the evil eye. Mod. Beekeeping 35:202-204,211. June 1951. 424.8 B397
85786. SCOTTISH BEEKEEPERS' ASSOCIATION. RESEARCH COMMITTEE. Report No. 3: Acarine and nosema diseases in Scotland, 1st April, 1950 to 31st March, 1951. Scot. Beekeeper 27:157-159. Aug.1951. 424.8 Sco8
85787. SECHRIST, E. L. The new beekeeping, the old order changeth. So. African Bee J. 26:3-4. (Cont.) Mar./Apr.1951. 424.8 So82
Bees as pollinators.
85788. SEMPLE, G. A. Some reflections on beekeeping in South Africa: exhibiting and enemies of the bee. Brit. Bee J. 79:389-390. (Concl.) May 19,1951. 424.8 B77
85789. SEMPLE, G. A. South African beekeeping; triple broodchamber demareeing. Brit. Bee J. 79:433. June 2,1951. 424.8 B77
85790. SEPULVEDA, J. M. Observaciones apícolas. B. de Zootec. 7:83-85,147-149. Mar.1, May 1,1951. 41.9 So16
85791. SIEGENTHALER, H. Die waldtracht. Schweiz. Bienen-Ztg. 74:220-221. May 1951. 424.8 Sch9
Anmerkung zum nämlichen thema, by A. Lehmann, p. 221-224.
85792. SKLENAR, G. Begattung der bienenkönigin. Schweiz. Bienen-Ztg. 74:283-285. June 1951. 424.8 Sch9
Observations by W. Fyg, p. 284-285.
85793. SMITH, R. W. Out-aparies. Good Bee Keeping 8:119-120. Aug.1951. 424.8 G59
85794. SOUTH AFRICAN ASSOCIATION OF BEEKEEPERS. President's annual report. So. African Bee J. 26(2):9,11. May/June 1951. 424.8 So82
85795. SPIEHS, H. J. Bienen allerlei. Osterr. Kleintierzüchter 15/16:1004. (Cont.) Aug.1951. 49 Os7
85796. TEGTMEIER, R. Eine erprobte zusatzmethode für kritische fälle. Deut. Bienenztg. 6:88-89. June 1, 1951. 424.8 D488
85797. TOUDOIRE, Les oléagineux et l'apiculture. Sol 64:134-136. 1951. 14 So4
Effects of spraying.
85798. TOWNER, C. B. Protective clothing. Brit. Bee J. 79:612-613. Aug.18,1951. 424.8 B77
85799. TOWNER, E. B. Samson and the honey bees. Brit. Bee J. 79:514. July 7,1951. 424.8 B77
85800. UNION DES SOCIÉTÉS APICOLES DU CENTRE-OUEST. Prix de revient d'exploitation d'un rucher dans l'ouest pour 1950. Rev. Franç. d'Apic. (ser.2)61: 490-491. Jan.1951. 424.8 R329
85801. VENTURELLI, A. Guide for migratory bee-keeping. (In Italian.) Apic. Mod. 42:160-161. 1951. 424.8 Ap39
85802. VOMSATTEL, M. Schwarmverwertung. Schweiz. Bienen-Ztg. 74:226-229. May 1951. 424.8 Sch9
85803. WALCH. Warum stehen auf dem lande so viele bienenhäuschen leer? Apic. Alsacien 7:104-106. (Concl.) July 1950. 424.8 E17

- 85804 WEBER, M. The bee eater. (In Swedish.) Bitidningen 50:218-219. July 1951. 424.8 B54
- 85805 WEIGHTMAN, C. Do honey bees carry eggs? Scot. Beekeeper 27:145-146. July 1951. 424.8 Sco8
- 85806 WEIGHTMAN, C. The mating of the queen and drone honey bee. Brit. Bee J. 79:391-392. May 19, 1951. 424.8 B77
- 85807 WERBA, H. Acarmors—ein milbenbekämpfungsmittel auf neuer basis. Carnika-Züchterring 2:166-167. (Cont.) Nov./Dec. 1950. 424.8 C21
- 85808 WHEELER, A. G. Scraped heather honey. Bee Craft 33:134-135. July 1951. 424.8 B3925
- 85809 WHITE, DE. G. F. La loque américaine (American fowlbrood). Gaz. Apic. 52:45. Feb. 1951. 424.8 G25
- 85810 WOODS, E. F. Sounds in beekeeping—appendix 2. Brit. Bee J. 79:407-408. May 26, 1951. 424.8 B77
- 85811 WORTH, A. Worth-while beekeeping. Brit. Bee J. 79:486-487. June 23, 1951. 424.8 B77
- Colony management.
- 85812 WRISNIG, J. Das kleine bauernkastel—seine behandlung—sein zweck und sinn. Carnika-Züchterring 2:162-163. Nov./Dec. 1950. 424.8 C21
- Queen introduction.
- 85813 WRISNIG, J. Die zucht die "K-Troiseckbiene!" Carnika-Züchterring 2:158. Nov./Dec. 1950. 424.8 C21
- 85814 ZANDER, Couvain maladi. Gaz. Apic. 52:202-204. July 1951. 424.8 G25
- 85815 ZANDER, E. Time as an important factor in apiculture. (In Swedish.) Bitidningen 50:241-243. Aug. 1951. 424.8 B54
- 85816 ZIEGLER, R. "A passing swarm." Mod. Beekeeping 35:230-233. July 1951. 424.8 B397
- 85817 ZIEGLER, R. J. On their own. Mod. Beekeeping 35:194-198. June 1951. 424.8 B397
- 85818 ZIKOWSKY, F. Aus der praxis für die praxis! Österr. Imker 1:55-56, 87-89. (Cont.) Mar.-Apr. 1951. 424.8 Os7
- ARACHNIDA, MYRIAPODA, ETC.**
- 85819 AHLBERG, O. The currant mite [Eriophyes ribis]. (In Swedish.) Sweden. Stat. Västskyddsanst. Västskyddsnót. 2/3:26-29. May/June 1951. 464.9 Sw3V
- 85820 ARTHUR, D. R. The bionomics of Ixodes hexagonus Leach in Britain. Parasitology 41:82-90. Ref. July 1951. 448.8 P21
- 85821 ARTHUR, D. R. The capitulum and feeding mechanism of Ixodes hexagonus Leach. Parasitology 41:66-81. Ref. July 1951. 448.8 P21
- 85822 BAILEY, V. D. Las garrapatas del ganado. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 41(191):39-40. Jan./Mar. 1951. 8 R323
- 85823 BARRETO, S. M. Exhortación a la campaña pro-intensificación de la lucha contra la sarna ovina. Rev. de la Fed. Rur. (ser.3)13(32):97-103. Nov. 1950. 9.9 R322
- Includes discussion.
- Uruguay.
- 85824 BEWARE of: Eutrombicula alfreddugesi. Tenn. Conserv. 26(7):8 July 1951. 410 T252
- 85825 BLAIR, C. A. Damage to apple leaves by the fruit tree red spider mite, Metatetranychus ulmi (Koch) [i.e. Paratetranychus pilosus]. East Malling Res. Sta. Annu. Rpt. 38:152-154. 1950, pub. 1951. 103 Ea7
- 85826 BOLLAERTS, D., and BRENY, R. Considerations sur la lutte contre les acariens des matières emmagasinées. Rev. de l'Agr. 4:1051-1071. Ref. Aug. 1951. 13 R322
- English summary.
- 85827 BOLLAERTS, D., and BRENY, R. Quelques espèces d'acariens prédateurs et banaux rencontrés dans les matières emmagasinées. Rev. de l'Agr. 4:883-898. Ref. July 1951. 13 R322
- English summary.
- 85828 DIAS, J. A. T. S. Another new species of mite for the fauna of Mozambique: Rhipicephalus serranoi n. sp. (In Portuguese.) Moçambique 63:143-151. Sept. 1950. 110 M71
- 85829 ELISHEWITZ, H. What are the potential pest control problems in an atomic-bombed community? II. Pest Control 19(8):14, 16, 46. Aug. 1951. 449.8 Ex8
- Chiefly on control of scabies and lice.
- 85830 FELDMAN-MUHSAM, B. On the longevity of fasting ticks, Hyalomma savignyi Gerv. Parasitology 41:63-65. July 1951. 448.8 P21
- 85831 FELDMAN-MUHSAM, B. The value of the female genital aperture for specific diagnosis in the genera Amblyomma and Dermacentor. Israel. Res. Council. B. 1:164-165. Mar. 1951. 330.9 Is72B
- 85832 GABOTTO, L. Proper control of the European red mite [Paratetranychus pilosus]. (In Italian.) Colt. e Glor. Vinc. Ital. 97:195-196. July 15, 1951. 16 C72
- 85833 GOVI, G. Remarks on a disease ('furunculosis') of peaches. (In Italian.) Ann. della Sper. Agr. (n.s.):5:771-777. 1951. 16 An76
- English summary.
- Caused by mites.
- 85834 HAHMANN, K., and MÜLLER, H. W. K. Die erdbeermilbe [Tarsonemus fragariae] ein grossschädling unserer erdbeerkulturen. Gesunde Pflanzen 3:90-94. May 1951. 464.8 G33
- 85835 HOFMASTER, R. N., and GREENWOOD, D. E. Control of the two-spotted mite [Tetranychus bimaculatus] on strawberries. J. Econ. Ent. 44:514-519. Aug. 1951. 421 J822
- 85836 HUFFAKER, C. B., and SPITZER, C. H., JR. Data on the natural control of the cyclamen mite [Tarsonemus pallidus] on strawberries. J. Econ. Ent. 44:519-522. Aug. 1951. 421 J822
- By Iphidulus sp.
- 85837 LATHROP, F. H. Sidelights on European red mite [Paratetranychus pilosus] control. J. Econ. Ent. 44:509-514. Aug. 1951. 421 J822
- On apple trees.
- 85838 LIENK, S. E., and CHAPMAN, P. J. Influence of the presence or absence of the European red mite [Paratetranychus pilosus] on two-spotted spider mite [Tetranychus bimaculatus] abundance. J. Econ. Ent. 44:623. Aug. 1951. 421 J822
- 85839 LOOMIS, H. F., and DAVENPORT, D. A luminescent new xystodesmid millipede [Luminodesmus] from California. Wash. Acad. Sci. J. 41:270-272. Aug. 1951. 500 W276J
- 85840 LYON, S. R. More about scorpions. Pest Control 19(9):11-12, 14. Sept. 1951. 449.8 Ex8
- 85841 MARLE, G. Observations on the dispersal of the fruit tree red spider mite, Metatetranychus ulmi (Koch) [i.e. Paratetranychus pilosus]. East Malling Res. Sta. Annu. Rpt. 38:155-159. 1950, pub. 1951. 103 Ea7
- 85842 MARPLES, B. J. Mygalomorph spider [Idioclis helva] in Samoa. Nature [London] 168:300-301. Aug. 18, 1951. 472 N21
- 85843 NETO, F. A. New aspect to control of ticks and bot flies [Dermatobia]. (In Portuguese.) Soc. Rur. Bras. Rev. 31(367):42-44. June 1951. 9.2 B733
- 85844 PICCO, D. Paratetranychus unguis, a parasite of apple tree. (In Italian.) Not. sulle Mal. delle Piante 14:19-20. Jan./Feb. 1951. 464.8 N84
- English summary, p. 102.
- 85845 PRITCHARD, A. E. The fern mite [Hemitarsonemus tepidarius], a newly recognized pest on California ferns readily controlled by treatment with proper chemicals. Calif. Agr. [Calif. Sta.] 5(7):10. July 1951. 100 C12Cag
- 85846 PROST, E. Deposits on sausages. (In Polish.) Med. Weter. 7:331. May 1951. 41.8 M463
- Includes Acarus siro.
- 85847 RADFORD, C. D. Five new species of mites (Acarina) parasitic on bats (Chiroptera). Parasitology 41:97-101. July 1951. 448.8 P21
- 85848 RADFORD, C. D. Two new genera of parasitic mites (Acarina: Laelaptidae and Listrophoridae). Parasitology 41:102-104. July 1951. 448.8 P21
- Alphalaelaps and Lynxacarus.
- 85849 REMY, P. A. Pauropodes de basse Egypte (récoltes de B. Condé). Inst. d'Egypte. B. 32:35-48. 1951. 515 Eg9
- Includes new species in Allopaupopus.
- 85850 ROUSSEL, J. S., and others. The effect of infestation by the spider mite Tetranychus tumidus on growth and yield of cotton. J. Econ. Ent. 44:523-527. Aug. 1951. 421 J822
- J. C. Weber, L. D. Newsom, and C. E. Smith, joint authors.
- 85851 ROUSSY, L. Les ennemis des abeilles l'araignée-loup [Lycosa sacculosa]. Gaz. Apic. 52:195. July 1951. 424.8 G25
- 85852 ROZA, M., and SOEDIBIO, R. Latrodectus hasseltii Thorell. Hemera Zoa 58:169-170. Mar. 1951. 41.8 V51
- 85853 SANKEY, J. H. P. Notes on the lateral distribution of some British harvest-spiders (Arachnida, Opiliones). Ent. Mon. Mag. 87:238-239. Aug. 1951. 421 En86

85854 SILVA, T. L. DA. Scorpionism in Ribeirão Preto, state of São Paulo; notes on epidemiology and prevention. (In Portuguese.) Arq. de Hig. e Saúde Púb. 15: 79-90. June 1950, pub. 1951. 449.8 Ar6

English summary.

85855 SMITH, C. N. Recent information on chigger [Eutrombicula alfreddugesi] control. Chem. Specialties Mir. Assoc. Off. Proc. 37:79-80. Dec. 1950. 307.9 C42

85856 SMITH, F. F., and FULTON, R. A. Octamethyl pyrophosphoramide for the control of spider mites and aphids on greenhouse ornamentals. Florists' Exch. 116 (24):9,40. June 16, 1951. 80 F666

85857 SPORET, M. Ein kleines rasenstück [Tege-naria domestica]. Unser Wald 4(6):inside front cover. June 1951. 99.8 Un7

85858 STRENZKE, K. Some new central European moss-mites (Acarina: Oribatei). Ann. & Mag. Nat. Hist. (ser. 12) 4:719-726. July 1951. 410 An77

85859 TRAUB, R., and EVANS, T. M. Two new species of Trombiculidus Radford from North Burma (Acarina: Trombiculidae). Ent. Soc. Amer. Ann. 44:262-268. June 1951. 420 En82

85860 ZECK, E. H. Some mites and ticks. Roy. Zool. Soc. N. S. Wales. Proc. 1949/50:3-8. Apr. 2, 1951. 410.9 N48P

COLEOPTERA

85861 ALLEN, A. A. Observations on Cantharis species. Ent. Rec. & J. Variation 63:152-153. July/Aug. 1951. 421 En89

85862 BASILEWSKY, P. Description d'un Scaritide aveugle du Kivu (Col. Carabidae Scaritinae). Rev. de Zool. et de Bot. Africaines 44:267-269. May 15, 1951. 410 R326

New sp in Reicheia; Antireicheia n sgen.

85863 BASILEWSKY, P. Leleupidia luvubuana, nov. gen. et nov. sp. (Col. Carabidae). Rev. de Zool. et de Bot. Africaines 44:175-179. May 15, 1951. 410 R326

85864 BECKHAM, C. M., and DUPREE, M. Insecticides for control of cowpea curculio [Chalcodermus aeneus]. (Abs.) Assoc. South. Agr. Workers. Proc. 48: 94. 1951. 4 C82

85865 BEFFA, G. DELLA. The important matter of Elateridae in the production and price of potatoes. (In Italian.) Cron. Econ. 101:34-35. May 1951. 280.8 C882

85866 BESEMER, A. F. H., FRANSEN, J. J., and ORMEL, H. A. Short report on an experiment with pressure mist sprayer and aeroplane for controlling the Colorado potato beetle [Leptinotarsa decemlineata]. (In Dutch.) Netherlands. Landbouwvoorlichtingsdienst. Maandbl. 8:236-241. June 1951. 12 N383M

85867 BHATIA, B. M. Borers of sal [Shorea robusta] poles and their control. Indian Forest Rec. New Ser. Ent. 8:17-34. 1950. 99.8 In22E

85868 BLUNCK, H., and MAERCKS, H. Lebensweise und bekämpfung der drahtwürmer. Biol. Bundesanst. Braunschweig. Flugbl. C 6,5 p. Feb. 1951. 464.9 B833

85869 BOETTCHER, H. VON. Vom leben und sterben des hirschkäfers. Orion 6:583. July 15, 1951. 474 Or4

Lucanus cervus.

85870 BÖHM, H. Der erdbeerblütenstecher [Anthonomus rubi]. Bundesanst. f. Pflanzenschutz. Flugbl. 70, 1 p. 1951. 464.9 V672F

85871 BREUNING, S. Lamiaires nouveaux du Congo Belge (Col. Cerambycidae). Rev. de Zool. et de Bot. Africaines 44:148-155. May 15, 1951. 410 R326

Includes Dinocephaloides ng; also new spp. in Charles-thes, Tragocephala, Prosopocera, Ancyronotopsis, Oeas, Haploex, Brachyolena Typocaeta, Eunidia, Sophronica, Nitocris and Nupserha.

85872 BRITISH MUSEUM (NATURAL HISTORY). Furniture beetles [Anobiidae, Lyctidae] their life-history and how to check or prevent the damage caused by the worm. London, 1951. 34 p. 410.9 B77

Mainly Anobium punctatum, Xestobium rufovillosum, Lyctus brunneus, Lyctus linearis, Lyctus parallelopipe-dus, Lyctus planicollis.

85873 BRUCE, N. Studien über Henoticus germanicus Reitt. (Col.). (In Swedish.) Opusc. Ent. 16:27-31. Ref. 1951. 421 Op7

German summary.

85874 BRUNER, S. C. Algunas adiciones a la lista de Coleopteros de Cuba. Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 20:81-88. June 1951. 410.9 So15

85875 BRYANT, G. E. New species of Chrysomelidae (Halticinae, Coleoptera) from New Guinea, collected by Miss L. E. Cheesman. Ann. & Mag. Nat. Hist. (ser. 12) 4: 794-801. (Cont.) Aug. 1951. 410 An77

Includes Bibliography of New Guinea Chrysomelidae. New species in Sutrea, Psylliodes, Aphthona, Lycillus [i.e. Licyllus].

85876 BUNZLI, G. H., and BUTTIKER, W. W. G. Control of whitegrubs and false wireworms. I. Rhodesian Farmer 5(3):21,27. June 20, 1951. 24 R347

Tobacco pests.

85877 CHATTERJEE, N. C., BHASIN, G. D., and BHATIA, B. M. Insect borers of Boswellia serrata and their control. Indian Forest Rec. New Ser. Ent. 8:35-51. 1950. 99.8 In22E

Includes notes on Atractocerus reversus.

85878 CLAUSEN, R. L. La destruction du hanneton commun [Melolontha melolontha] dans le passé et le présent. Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocations, Proc.-Verb., Rap., Commun. et Résolutions 1:379-388. 1951. 464.9 C767

85879 CLAUSEN, R. L., and NICOLLIER, J. Les rassemblements de hannetons observés dans la région de Martigny. Schweiz. Ent. Gesell. Mitt. 23:297-302. Oct. 15, 1950. 420 Sw6

Melolontha melolontha.

85880 COCHRAN, J. H. Tests with dusts against the plum curculio [Conotrachelus nenuphar]. (Abs.) Assoc. South. Agr. Workers. Proc. 48:94. 1951. 4 C82

85881 COX, J. A. Plum curculio [Conotrachelus nenuphar] control on prunes. J. Econ. Ent. 44:499-504. Ref. Aug. 1951. 421 J822

85882 DIEDLER, C. Haben wir die kartoffelkäfer-schlacht gewonnen? Neue Mitt. f. die Landwirt. 6:292. May 12, 1951. 18 N39

Leptinotarsa decemlineata.

85883 DILLON, L. S., and DILLON, E. S. The Lam-mine tribe Gnomini (Coleoptera, Cerambycidae). Philip-pine J. Sci. 79:11-57. Mar. 1950. 475 P53

Includes new species in Imantocera and Gnoma.

85884 DINTHER, J. B. M. VAN. Two Coccinellids as predators of Dreyfusia piceae Ratz. (In Dutch.) Tijdschr. v. Ent. 94:169-188. June 1, 1951. 421 T21

English summary.

Aphidecta oblitterata, Anatis ocellata.

85885 ESPAÑOL COLL, F. Tenebrionidos de las Pitiusas (Balears occidentales). Eos 27:7-41. Ref. Jan./Mar. 1951. 421 Eo7

85886 FAGEL, G. Contribution à la connaissance des Staphylinidae. III. Notes sur quelques Stilicis pho-loeophiles et myrmécophiles. Rev. de Zool. et de Bot. Africaines 44:222-232. May 15, 1951. 410 R326

Includes new spp in Pedistilicis n sgen and Hemisti-lis n sgen.

85887 FERON. Quelques résultats dans la lutte contre le capnote [Capnodis tenebrionis]. Phytoma 4(25): 18-22. Ref. Apr. 1951. 464.8 P563

85888 FEYTAUD, J. La protection des papiers d'archives contre les vrillettes [Anobiidae]. Acad. d'Agr. de France. Compt. Rend. 37:350-353. June 6/13, 1951. 14 P215Bc

85889 FILIPPONI, A. Studies on the Stylocephalidae (Sporozoa). IV. Description of a new stylocephalid (Stylocephalus mucronatus n sp) with the diagnosis of Stylocephalus gigas and S. reticulatus. (In Italian.) Ist. Super. di Sanit. Rend. 15:247-258. Ref. 1951. 449.9 R66

English summary.

Protozoa from intestines of Blaps mucronate.

85890 FILIPPONI, A. Stylocephalid parasites (Gregarinida) of Blaps (Tenebrionidae) and a method of studying them. (In Italian.) Riv. di Parassitol. 12:155-161. Ref. July 1951. 436.8 R52

English summary.

85891 FISHER, W. S. A new species of Elaphidion (family Cerambycidae) from Cuba. Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 20:77-79. June 1951. 410.9 So15

85892 FOCARILE, A. Third contribution to the knowledge of the Palearctic Trechini (Coleoptera, Carabidae). (In Italian.) Soc. Ent. Ital. B. 80:67-74. Dec. 30, 1950. 420 It1

Includes new species.

85893 GREEN, J., PEARSON, A. E. G., and WILKIN-SON, W. The Coleoptera of Skokholm Island. Ent. Mon. Mag. 87:196-199. July 1951. 421 En86

- 85894 GRESSITT, J. L. Longicorn beetles from New Guinea and the South Pacific (Coleoptera: Cerambycidae). II. Ent. Soc. Amer. Ann. 44:201-212. (Cont.) June 1951. 420 En82
- 85895 GUÉNIN, H. A. La formule chromosomiale de Coléoptères Ténébrionides nord-africains. II. Erodinés. Rev. Suisse de Zool. 58:471-475. June 1951. 410 R324
- 85896 HAYASHI, M. A new species of the genus *Xylotrechus* from Japan (Coleoptera: Cerambycidae). Kansai Ent. Soc. Trans. 15(2):25-27. Nov. 1950. 420 K132
- 85897 HEQVIST, K. J. *Strophosomus* as pest of beech plants. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 49:216-220. Ref. 1951. 99.8 Sk5
German summary.
Strophosomus rufipes and *S. melanogrammus*.
- 85898 HERRSTRÖM, G. The correlation between the age of the cabbage seedpod weevil [*Ceutorhynchus assimilis* Payk.] and susceptibility to preparations containing hexachloride. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 2/3:17-26. May/June 1951. 464.9 Sw3V
- 85899 HIERHOLZER, O. Der riesenbastkäfer (*Dendroctonus micans* Kug.). Holz-Zentbl. 77:1045. July 12, 1951. 99.81 H742
- 85900 HINTON, H. E. A new *Cylloepus* from Argentina (Coleoptera, Elmidae). Ann. & Mag. Nat. Hist. (ser. 12):4:820-823. Aug. 1951. 410 An77
- 85901 HOFFMANN, A. Coléoptères curculionides. I. Faune de France 52,486 p. 1950. 411 F273
- 85902 HOFFMANN, A. Un nouveau Curculionide anophthalme du Congo Belge et observations sur un genre voisin du Kenya. Rev. de Zool. et de Bot. Africaines 44:243-246. May 15, 1951. 410 R326
Clavimorphus ng.
- 85903 HOSCH, L. Der kartoffelkäfer [*Leptinotarsa decemlineata*] und seine bekämpfung. Kartoffelwirtschaft 4:248. July 20, 1951. 286.83 K14
- 85904 ISHII, S. Studies on the host-plants of the cowpea weevil [*Callosobruchus chinensis* L.] IX. On the relation between the chemical constitutions of sterols and the development of larva. (In Japanese.) Boty-Kagaku 16:83-90. June 1951. 421 B65
English summary.
- 85905 ITZEROTT, H. Grundsätzliches zur maikäferbekämpfung. Gesunde Pflanzen 3:172-174. Aug. 1951. 464.8 G33
Melolontha melolontha.
- 85906 JACQUOT, C. Les "piqures noires" du chene. Inst. Natl. du Bois. Etude Tech. 7,4 p. May 1951. 99.9 P21E
Xyloterus, *Xyleborus* and *Platypus*.
- 85907 JEANNEL, R. Coléoptères psélaphides. Faune de France 53,421 p. 1950. 411 F273
- 85908 JOHNSON, L. R., and CARRICK, R. The bio-nomics and postembryonic development of *Gastroidea polygoni* L. (Coleoptera, Chrysomelidae). Leeds Philos. & Lit. Soc. Sci. Sect. Proc. 5:279-294. Nov. 1950. 501 L51
- 85909 JOLIVET, P. Un nouveau Chlamys du Congo Belge (Col. Chlamydidae). Rev. de Zool. et de Bot. Africaines 44:247-250. May 15, 1951. 410 R326
- 85910 JOUBERT, C. J. The white-fringed beetle [*Graphognathus leucoloma*]. Farming So. Africa 26:195-197. June 1951. 24 So842
- 85911 KIYOKU, M. On the change of the relation between exposure time and mortality and the change of temperature coefficients of the azuki bean weevil [*Callosobruchus chinensis*] under the exposure of various high temperatures. (In Japanese.) Boty-Kagaku 16:119-130. June 1951. 421 B65
English summary.
- 85912 KNOLL, J. N. The checkered beetles of Ohio (Coleoptera: Cleridae). Ohio Biol. Survey. B. 8:269-350. June 1951. 442.9 Oh3
- 85913 KOCH, W. Borkenäfer an obstäumen. Obstbau 70:42-43. Mar. 1, 1951. 80 Ob73
- 85914 KÖNIG, E. Die hausbockgefahr, ihre erkennung und beseitigung. Norddeut. Holzwirt. 5(17):2-4. Apr. 26, 1951. 99.82 N75
Hylotrupes bajulus
- 85915 LANGE. Kornkäferbekämpfung rechtzeitig durchführen! Landwirtbl. Weser-Ems 98:523-524. June 14, 1951. 18 L2345
Sitophilus granarius.
- 85916 LEILER, T. E. Beitrag zur kenntnis der verbreitung und lebensweise schwedischer coleopteren. 2. (In Swedish.) Opusc. Ent. 16:32. 1951. 421 Op7
German summary.
- 85917 LONG, E. J. Ecological notes on *Thanatophilus americana* L. Ill. State Acad. Sci. Trans. 43:249-252. 1950. 500 IL6
- 85918 MCKEOWN, K. C. Australian insects, XLIII, Coleoptera, 20.—Pselaphidae and Trichopterygidae. Austral. Mus. Mag. 10:179-181. June 15, 1951. 475 Au7
- 85919 MARSHALL, SIR. G. A. K. On a new Japanese *Rhynchaenus* (Col. Curc.) *Mushi* 22:87-88. Mar. 15, 1951. 421 M97
- 85920 MARTELLI, G. M., and AUSILIO, G. D'. The most economical insecticide for control of potato doryphore [*Leptinotarsa decemlineata*]. (In Italian.) Glor. di Agr. 61:243. Aug. 5, 1951. 16 It1G
DDT.
- 85921 MATHLEIN, R. The black-brown flour beetle [*Tribolium destructor*] and its control. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 2/3:37-38. May/June 1951. 464.9 Sw3V
- 85922 MROCZKOWSKI, M. A new species of *Anthrenus* Geoffr. from Poland (Coleoptera, Dermestidae). Mus. Zool. Polon. Ann. 14:187-193. Dec. 22, 1950. 410.9 W26
- 85923 MÜNCH, H. Zur biologischen bekämpfung des kartoffelkäfers [*Leptinotarsa decemlineata*]. Urania 14:192-194. May 1951. 474 Ur1
- 85924 NAKANE, T. New or little known Coleoptera from Japan and its adjacent regions. V. Mordellidae-Mordellinae. II. Kansai Ent. Soc. Trans. 15(2):20-24. Nov. 1950. 420 K132
Includes new species in *Glipa*.
- 85925 NYHOLM, T. Some finds of rare beetles. (In Swedish.) Opusc. Ent. 16:37-40. 1951. 421 Op7
German summary.
- 85926 PALM, T. Biologische studien über *Tragosoma deparium* L. in Südostjämmland. (In Swedish.) Opusc. Ent. 16:55-64. 1951. 421 Op7
German summary.
- 85927 PAPP, C. S. Zwei neue *Cryptocephalus* aus Afrika (Col. Chrysom.). Eos 27:93-95. Jan./Mar. 1951. 421 Eo7
- 85928 PARDO ALCAIDE, A. Estudios sobre "Meloidae". II. Los "Mylabrin" de la Peninsula Iberica. Spain. Estac. de Fitopatol. Agr. B. de Patol. Veg. y Ent. Agr. 17:61-82. 1949, pub. 1950. 464.9 M26
Mylabris and *Coryna*.
- 85929 PAULIAN, R. Révision des Orphnus africains (Col. Scarabaeidae). Soc. Ent. de France. Ann. 117:1-75. 1948, pub. 1951. 420 F84
Includes new subgenera *Phornus*, *Horpnus*, *Ronphus*, *Pachyorphnus*, *Orphnus* and *Parorphnus*.
- 85930 PIC, M. Un Eubrianax (Ksw.) nouveau du Congo. Rev. de Zool. et de Bot. Africaines 44:156. May 15, 1951. 410 R326
- 85931 PLASSE, J. J. V. D. The May beetle [*Melolontha melolontha*] pest in the Bommelerwaard. (In Dutch.) Fruitteelt 41:472. July 5, 1951. 86 N28
- 85932 RÁCENIS, J. Eine für die Fauna Lettlands neue Käferart. Opusc. Ent. 16:48. 1951. 421 Op7
Laccophilus variegatus.
- 85933 REED, J. K., and FARRAR, M. D. Bio-assay of cotton dusts with adult boll weevil [*Anthonomus grandis*]. (Abs.) Assoc. South. Agr. Workers. Proc. 48:95. 1951. 4 C82
- 85934 ROSELLA, E. Le capnode, les vers des fruits et les pucerons. Réveil Agr. 59:309-310. Oct. 15, 1950. 14 R322
Control of *Capnodis* and *Ceratitis*.
- 85935 SCHEERPELTZ, O. Neue Staphyliniden aus Portugal (Col.). Eos 27:97-141. Jan./Mar. 1951. 421 Eo7
- 85936 SCHINDLER, U. Über den einsatz von rücken-spritzen in den nordwestdeutschen forstrevieren. Forst u. Holz 6:185-188. July 1, 1951. 99.8 F7724
To control *Hyllobius abietis*.
- 85937 SHENEFELT, R. D. A further note on the control of the white pine weevil [*Pissodes strobi*]. J. Forestry 49:575-576. Aug. 1951. 99.8 F768
- 85938 SHIRAHATA, K. Cicindelidae (Col.) of Shansi China. (In Japanese.) Kansai Ent. Soc. Trans. 15(2):28-32. Nov. 1950. 420 K132
- 85939 SNAPP, O. I. Plum curculio [*Conotrachelus nenuphar*] control with new organic insecticides. J. Econ. Ent. 44:504-508. Aug. 1951. 421 J822
- 85940 STRANEO, S. L. Un Caelostomide aveugle nouveau du Kivu (Col. Carabidae Pterostichinae). Rev. de Zool. et de Bot. Africaines 44:219-221. May 15, 1951. 410 R326
Caecocaelus.
- 85941 STRANEO, S. L. On some new or little known Pterostichini from the Belgian Congo. (In Italian.) Rev. de Zool. et de Bot. Africaines 44:236-242. May 15, 1951. 410 R326
New spp in *Oodinkosa*, *Celioschesis*, *Caelostomus* and *Mallopelmus*.

- 85942 STREHLER, B. L. The isolation and properties of firefly [*Photinus pyralis*] luciferesceine. Arch. Biochem. & Biophys. 32:397-406. Ref. July 1951. 381 Ar2
- 85943 SWITZERLAND. Eidgenössische Landwirtschafliche Versuchsanstalt Zürich-Oerlikon. Zur chemischen kartoffelkäfer-bekämpfung im Jahre 1951. Grüne 79:756-760. July 6, 1951. 17 Sch9
Leptinotarsa decemlineata.
- 85944 THIEM, E. Eine bisher nicht beobachtete schwarzfleckenkrankheit der kartoffelkäferlarven. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.):5:75. Apr. 1951. 464.9 N11
Leptinotarsa decemlineata.
- 85945 THORSTEINSON, A. J. The sweet clover weevil [*Sitona cylindricollis*]. West. Canada Beekeeper 14(9):10. Sept. 1951. 424.8 W525
- 85946 TOKUNAGA, M., and KADOWAKI, S. Studies on the life history and bionomics of *Phyllotreta vittata* Fabricius. Feeding habits of imaginal insects. Kansai Ent. Soc. Trans. 15(2):61-68. Ref. (Cont.) Nov. 1950. 420 K132
- 85947 TOWNSEND, L. H., and TAYLOR, N. L. Effect of the vetch bruchid (*Bruchus brachialis* Fahraeus) on vetch seed yields in Kentucky in 1950. (Abs.) Assoc. South. Agr. Workers. Proc. 48:51-52. 1951. 4 C82
- 85948 VAN EMDEN, W. G. On the biology of *Chrysomela menthastris* Suffr. (Col., Chrysomelidae). Ent. Mon. Mag. 87:224-231. Aug. 1951. 421 En86
Compiled from the notes of the late Dr. G. H. Pethybridge.
- 85949 WARMBRUNN, K. Ist gegen alt-engerlinge auf wiesen jetzt noch etwas zu machen? Württemb. Wehnl. f. Landwirt. 118:670-671. Aug. 18, 1951. 18 W96
Melolontha melolontha.
- 85950 WATTS, J. G., and NETTLES, W. C. Control of the sand wireworm [*Horistonotus uhleri*] with chlorinated insecticides. J. Econ. Ent. 44:619-620. Aug. 1951. 421 J822
- 85951 WILKINSON, W. Unilateral reduplication of an antenna in *Crepidodera transversa* (Marsh.) (Col., Chrysomelidae). Ent. Mon. Mag. 87:206. July 1951. 421 En86
- 85952 WITTMER, W. Notas sinónimicas y sistematizadas sobre Malacodermata. 2. Soc. Cient. Argentina. An. 151:276-278. June 1951. 516 Sol
- 85953 WITTMER, W. Sur le genre *Prosthaptus* Gorb. (Col. Cantharidae) (3^e contribution à la connaissance des Malacodermes africains). Rev. de Zool. et de Bot. Africaines 44:215-218. May 15, 1951. 410 R326
Includes new species.
- 85954 ZIMMERMANN, H. Himbeerkäfer [*Byturus* spp.] und erdbeerblütenstecher [*Anthonomus rubi*]. Obstbau 70:106. July 1, 1951. 80 Ob73
- DIPTERA**
- 85955 ABALOS, J. W. Los jejenes son muy molestos, pero no resultan peligrosos. Mundo Agr. 3(25):84-85. June 1951. 9 M92
Simuliidae.
- 85956 AVIDOV, Z. Occurrence of Mediterranean fruit fly [*Ceratitidis capitata*] in a plum orchard at Mikveh-Israel (1945-1949). (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:233-244. Ref. Dec. 1950. 107 J552
Abridged English translation, p. 51-54.
- 85957 BANKS, C. J. Syrphidae (Dipt.) as pests of cucumbers. Ent. Mon. Mag. 87:239-240. Aug. 1951. 421 En86
- 85958 BARTLETT, B. R. A new method for rearing *Drosophila* [*melanogaster*] and a technique for testing insecticides with this insect. J. Econ. Ent. 44:621. Aug. 1951. 421 J822
- 85959 BERRY, N. O. The citrus black fly [*Aleurocanthus woglumi*]. (Abs.) Assoc. South. Agr. Workers. Proc. 48:95. 1951. 4 C82
- 85960 BIGGS, H. E. J. Diptera of East Anglia—some additions. Ent. Mon. Mag. 87:237-238. Aug. 1951. 421 En86
- 85961 BRAUNS, A. Zweiflüglerlarven als holzschädlinge? Norddeut. Holzwirt. 5(15):4. Ref. Apr. 12, 1951. 99.82 N75
- 85962 BRNCIC J., D. Tasa de mutabilidad en una cepa chilena de *Drosophila melanogaster*. Biologica 12/13:39-43. July/Dec. 1950. 442.8 B5222
English summary.
- 85963 CINTI, S. Let us protect the olives. (In Italian.) Agr. Tosc. 6:283-284. Aug. 1951. 16 Ag827
Control of *Dacus oleae*.
- 85964 COMPTON, C. C. The status of dieldrin for fly control in 1951. Chem. Specialties Mfr. Assoc. Off. Proc. 37:78-79. Dec. 1950. 307.9 C42
- 85965 DAHL, R. Villa occulta Wied. found in Sweden (Dipt. Bombyl.). (In Swedish.) Opusc. Ent. 16:95. 1951. 421 Op7
German summary.
New geographic record.
- 85966 DOBZHANSKY, T., and LEVENE, H. Development of heterosis through natural selection in experimental populations of *Drosophila pseudoobscura*. Amer. Nat. 85:247-264. Ref. July/Aug. 1951. 470 Am36
- 85967 DONER, M. H. Dairy cattle fly sprays, past and present. Chem. Specialties Mfr. Assoc. Off. Proc. 37:57-61. Ref. Dec. 1950. 307.9 C42
- 85968 EICHLER, W., and MIELKE, R. Erfahrungen mit fliegenlarvenzuchten. Anz. f. Schädlingssk. 24:103-105. July 1951. 421 An9
- 85969 EJSING, G. Spraying against crane flies [Tipulidae]. (In Danish.) Dansk Landbr. 70:235. May 17, 1951. 280.28 V91
Field crops.
- 85970 EXT, W. Grossschäden durch die larve der wiesenschnake (*Tipula*) und ihre auswirkung. Gesunde Pflanzen 3:170-171. Aug. 1951. 464.8 G33
- 85971 FORSSLUND, K. H. Find of the gadfly *Heptatoma pellucens* Fabr. (Dipt. Taban.). (In Swedish.) Opusc. Ent. 16:96. 1951. 421 Op7
German summary.
- 85972 GERBERICH, J. B. Passing of *Staphylococcus aureus* Rosenbach through the metamorphosis of the house-fly. (Abs.) Minn. Acad. Sci. Proc. 16/18:35. 1948-50. 500 M663
- 85973 GLENDENNING, R., and FULTON, H. G. Carrot rust fly [*Psila rosae*]. Canada. Sci. Serv. Div. Ent. Processed P. 91, rev., 4 p. May 1951. 423.92 C16P
- 85974 GLOOR, H. Kältepolyploidie in ganglienzellen von *Drosophila hydei*. Rev. Suisse de Zool. 58:520-521. June 1951. 410 R324
- 85975 GOLDSCHMIDT, R. B. The maternal effect in the production of the Bd-M-intersexes in *Drosophila melanogaster*. J. Expt. Zool. 117:75-110. Ref. June 1951. 410 J825
- 85976 GOOSSEN, H. Zur fliegenbekämpfung im stall. Landwirt. Wehnl. f. Westfalen u. Lippe 108A:1220. Aug. 23, 1951. 18 L2346
- 85977 GRAHAM, O. H., and ALFORD, H. I., JR. The occurrence of *Gasterophilus* spp. in Texas and some tests with insecticides for their control. J. Econ. Ent. 44:577-579. Aug. 1951. 421 J822
- 85978 GUNSTON, D. Swat that fly! Health & Soil, Summer/Autumn 1951:11-12. 56.8 H34
- 85979 HANSENS, E. J. The stable fly [*Stomoxys calcitrans*] and its effect on seashore recreational areas in New Jersey. J. Econ. Ent. 44:482-487. Aug. 1951. 421 J822
Biology and control.
- 85980 HARVEY, W. C. The house-fly's habits spell danger to you! Better Health 24:302-304. July 1951. 449.8 B46
- 85981 HERING, E. M. Ein neuer sellerie-feind, *Melanagromyza apii*, sp. n. (Dipt. Agromyz.). Ann. & Mag. Nat. Hist. (ser. 12):4:736-745. Aug. 1951. 410 An77
- 85982 HERING, E. M. Schwedische miniaturen. Opusc. Ent. 16:81-88. 1951. 421 Op7
- 85983 THE HESSIAN fly [*Phytophaga destructor*]. Farm Q. 6(3):48-49, 119-120. 122. Autumn 1951. 6 F22995
- 85984 HOFFMAN, R. A., LINDQUIST, A. W., and BUTTS, J. S. Studies on treatment of flies with radioactive phosphorus. J. Econ. Ent. 44:471-473. Aug. 1951. 421 J822
Chiefly *Musca domestica*.
- 85985 HOFSTEN, C. G. VON. The first fly gives the start signal. (In Swedish.) Lantmannen 35:282-283. Mar. 31, 1951. 11 L234
Control of flies.
- 85986 JESSEN, L. S., and BESS, H. A. Oriental fruit fly control [*Dacus dorsalis*]. West. Fruit Grower 5(8):27-28. Aug. 1951. 95.8 G762
- 85987 KAISAROV, A. A. Experiment in using DDT for fly control. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):73. Nov./Dec. 1950. 49 K14
- 85988 KAURI, H. Bemerkungen über schwedische Tabaniden. Opusc. Ent. 16:97-109. Ref. 1951. 421 Op7
- 85989 KERR, T. W., JR. The chemotherapeutic value of several insecticides for larvae of certain leaf mining insects. J. Econ. Ent. 44:493-498. Aug. 1951. 421 J822
Monarthopalpus buxi, *Phytomyza ilicis*, *Fenusa pusilla*.

- 85990 KING, N. County wide fight against the cattle grub [*Hypoderma lineatum*] outstanding success. Tex. Livestock J. 10(6):7,13. June 1951. 49 T29
Kittitas County, Washington.
- 85991 KIRCHBERG, E. Untersuchungen über die fliegenfauna menschlicher fäkalien. Z. f. Hyg. Zool. u. Schädlingsbekämpfung. 39:129-139. May/June 1951. 449.8 Z36
- 85992 KNIPLING, E. F. Insecticidal resistant flies and mosquitoes. Chem. Specialties Mfr. Assoc. Off. Proc. 36:87-88. June 1950. 307.9 C42
- 85993 KOTTE, W. Können wir die kirschenmade bekämpfen? Gesunde Pflanzen 3:98-100. May 1951. 464.8 G33
Rhagoletis cerasi.
- 85994 LESSE, H. DE, STRENZKE, R., and THIENE-MANN, A. Expéditions polaires françaises (Missions P. E. Victor); zoologie—5e note. Soc. Ent. de France. Ann. 56:53-55. Apr. 1951. 420 F84B
Tendipedidae in Greenland.
- 85995 LINDQUIST, A. W., ROTH, A. R., and WALKER, J. R. Control of the Clear Lake gnat [*Chaoborus astictopus*] in California. J. Econ. Ent. 44:572-577. Ref. Aug. 1951. 421 J822
By TDE
- 85996 LLOYD, W. H. Flies can be controlled. Seal-test Dairyman 5(4):13. July/Aug. 1951. 44.8 Se1
- 85997 LOTMAR, R. Die wirkung von ultraschall auf verschiedene entwicklungsstadien von *Drosophila melanogaster*. Rev. Suisse de Zool. 58:519. June 1951. 410 R324
- 85998 LUCENA, D. T. DE. Flebotomus of the North-east; contribution to the knowledge of their geographic distribution. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 17:186-191. July/Dec. 1950. 9.2 P423
English summary.
- 85999 LUDWIN, I. Natural selection in *Drosophila melanogaster* under laboratory conditions. Evolution 5: 231-242. Sept. 1951. 443.8 Ev62
- 86000 LÜHRS. Fliegen im geflügelstall. Deut. Wirtgeflügelzucht. 3:482. July 1951. 47.8 D483
- 86001 LÜHRS. Neue wege der dasselbekämpfung. Neue Mitt. f. die Landwirt. 6:243. Apr. 21, 1951. 18 N39
Hypoderma.
- 86002 MAITLAND, W. G. Four years could end the warble fly [*Hypoderma*] menace. Farmers Wk. [London] 35(4):50-51. July 27, 1951. 10 F2226
- 86003 MARCH, R. B., and METCALF, R. L. Studies in California of insecticide-resistant flies. Chem. Specialties Mfr. Assoc. Off. Proc. 36:80-83. June 1950. 307.9 C42
- 86004 MARTIN, H., and HALIBERT. Observations et résultats en Algérie sur *Ceratitis capitata* Wied. Rev. Agr. de l'Afrique du Nord 49:556-558. July 27, 1951. 80 R326
- 86005 MELIS, A. New contribution to the knowledge of the biology of *Dacus oleae* Rossi with particular reference to winter and spring emergence in Tuscany. (In Italian.) Olivicoltura 6(4):1-9. Apr. 1951. 80 OL42
- 86006 MENG, C. H., and WINFIELD, G. F. Studies on the control of fecal-borne diseases in North China. XV. An approach to the quantitative study of the house frequenting fly population. C. the characteristics of a rural fly population. Philippine J. Sci. 67-85. Mar. 1950. 475 P53
- 86007 MOSEBACH, E. Unterschiedliche empfindlichkeit von männchen und weibchen der stubenfliege [*Musca domestica*]. Z. f. Hyg. Zool. u. Schädlingsbekämpfung. 39: 139-145. May/June 1951. 449.8 Z36
- 86008 MUNRO, H. K. Species of *Paroxyna* (Trypetidae, Dipt.) from Kilimanjaro. Ann. & Mag. Nat. Hist. (ser. 12) 4:709-713. July 1951. 410 An77
Describes three new species.
- 86009 NIBLETT, M. Notes on some bred Diptera. Ent. Rec. & J. Variation 63:150-152. July/Aug. 1951. 421 En89
- 86010 NOWELL, W. R. The dipterous family Dixidae in western North America (Insecta: Diptera). Microentomology 16:188-270. Ref. June 14, 1951. 421 M58
- 86011 OKADA, I. Bibionidae of Shansi, N. China (Diptera). Mushi 22:65-67. Mar. 15, 1951. 421 M97
- 86012 OKTAY, M. Über den fettkörper bei *Melophagus ovinus* und einigen anderen Hippobosciden. Istanbul. U. Fen Fakül. Mecmuası. Ser. B, Tabii Ilimler 16:129-152. Apr. 1951. 475 Is7
- 86013 PARAMONOV, S. J. Notes on Australian Diptera (VI-VIII). Ann. & Mag. Nat. Hist. (ser. 12) 4:745-779. Ref. Aug. 1951. 410 An77
VI, A review of the genus *Docidomyia* White (Bombyliidae); VII, Note on the Australian Streblidae (Acalyptrata); VIII, A review of the genus *Microtropeza* Macq. (Tachinidae).
- 86014 PIMENTEL, D., DEWEY, J. E., and SCHWARDT, H. H. An increase in the duration of the life cycle of DDT-resistant strains of the house fly [*Musca domestica*]. J. Econ. Ent. 44:477-481. Aug. 1951. 421 J822
- 86015 PIMENTEL, D., and others. Studies on insecticide resistant house flies in New York. Chem. Specialties Mfr. Assoc. Off. Proc. 37:94-96. Dec. 1950. 307.9 C42
H. H. Schwardt, J. E. Dewey, and L. B. Norton, joint authors.
- 86016 RENDEL, J. M. Mating of ebony vestigial and wild type *Drosophila melanogaster* in light and dark. Evolution 5:226-230. Sept. 1951. 443.8 Ev62
- 86017 RINGDAHL, O. Neue musciden aus schwedisch Lapland und Jämtland. Opusc. Ent. 16:33-36. 1951. 421 Op7
- 86018 RIVNAY, E., and ZIMMERMANN-GRIES, S. Dipterous leaf miners in Israel. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:287-292. Dec. 1950. 107 J552
Abridged English translation, p. 71.
A list.
- 86019 ROSIN, S. Zur entwicklungsphysiologie der mutante Pearl (Pl) von *Drosophila melanogaster*. Rev. Suisse de Zool. 58:398-403. June 1951. 410 R324
- 86020 RYDÉN, N. Zur kenntnis der schwedischen blattminierer. XI. Opusc. Ent. 16:41-43. 1951. 421 Op7
Agromyzidae.
- 86021 SAILER, R. I., and LIENK, S. E. Blow flies (Calliphoridae) in Alaska. Canad. Ent. 83:208-211. Aug. 1951. 421 C16
- 86022 SAIZ MORENO, L. Las miasis. B. de Divulg. Ganad. [Ciudad Real] 5(55/57):16-26. Oct./Dec. 1950. 49.9 Sp14
- 86023 SARA, M. On the phenomena of degeneration during spermatogenesis of *Telmatoscopus albipunctatus* Willis. (Diptera, Psychodidae). (In Italian.) Arch. Zool. Ital. 35:195-215. Ref. 1950. 410 Ar22
English summary.
- 86024 SCHMID, F. Les genres *Acrophylax* Brau. et *Chionophylax* n. gen. [Limnoph., Trichopt.] Eos 27:43-61. Jan./Mar. 1951. 421 Eo7
- 86025 SCHMITZ, H. Beiträge zu einer monographie der Termitoxenidae (Diptera) VI. Brotéria 20:65-86. Aug. 1951. 410 B79C
New species in Termitosagma, Termitostroma.
- 86026 SCHMITZ, H. Nochmals die gattung Thaumatoxena mit beschreibung neuer arten (Phoridae, Diptera). Rev. de Zool. et de Bot. Africaines 44:254-266. Ref. May 15, 1951. 410 R326
- 86027 SCHWETZ, J. Troisième note supplémentaire sur la répartition des Phlébotomes au Congo Belge. Rev. de Zool. et de Bot. Africaines 44:213-214. May 15, 1951. 410 R326
- 86028 SHOSHAN, A. The green fly of the Negev. (In Hebrew.) Refuah Vet. 7:143-144. Dec. 1950. 41.8 R25
English summary, p. 166.
Cattle pest, probably *Tabanus lunatus*.
- 86029 SINODA, O. On Japanese species of *Phlebotomus*. Kansai Ent. Soc. Trans. 15(2):12-16. Nov. 1950. 420 K132
- 86030 STEYSKAL, G. C. A new species of Tetanocera from Korea (Diptera: Sciomyzidae). Wasmann J. Biol. 9:79-80. Spring 1951. 442.8 W28
- 86031 STRENZKE, K. Chironomides terrestres. Soc. Ent. de France. B. 56:55-61. Apr. 1951. 420 F84B
- 86032 TAKAOKA, M. Studies of the metamorphosis in insects. I. Partial puparium formation in *Drosophila melanogaster*. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 19:88-90. Mar. 1951. 513 T574Ab
- 86033 TRAVIS, B. V., and SMITH, A. L. Tests with repellents against the stable fly [*Stomoxys calcitrans*]. Amer. Vet. Med. Assoc. J. 119:214-216. Sept. 1951. 41.8 Am3
- 86034 UPHOLT, W. M. Significance to the insecticide industry of fly resistance. Chem. Specialties Mfr. Assoc. Off. Proc. 37:69-71. Dec. 1950. 307.9 C42
- 86035 VAN EMDEN, F. I. Muscidae collected on Mt. Kilimanjaro by Dr. G. Salt. Ann. & Mag. Nat. Hist. (ser. 12) 4:786-793. Aug. 1951. 410 An77
New species in *Hylemyia*, *Helina*.

86036 VANSCHUYTBROECK, P. Description d'un Diptère Agromyzidae nouveau du Congo Belge. Rev. de Zool. et de Bot. Africaines 44:167-168. May 15, 1951. 410 R326

New sp. in Melanogromyza.

86037 VIRGINIA. STATE DEPT. OF HEALTH. Fly control. Va. Health B. (ser.2)4:4-12. May 1951. 449.7 V81B

86038 WALLACE, B., and KING, J. C. Genetic changes in populations under irradiation. Amer. Nat. 85: 209-222. July/Aug. 1951. 470 Am36

Experiments with gamma rays on *Drosophila melanogaster*.

86039 WASICKY, R., UNTI, O., and ABREU, D. S. Contribution to the knowledge of piperonil butoxide as an insecticide. (In Portuguese.) Arq. de Hig. e Saúde Púb. 15:91-95. June 1950, pub. 1951. 449.8 Ar6

English summary.

Tests on *Musca domestica*, *Culex fatigans*, and *Anopheles strodei*.

86040 WEBER, F. Vereinfachte kohlfliegenbekämpfung auf dem acker. Hannoversche Land- u. Forstwirtschaft. Ztg. 104:387. Apr. 28, 1951. 18 H194

Hyalemya brassicae.

86041 WEIDMANN, U. Über den systematische wert von balzhandlungen bei *Drosophila*. Rev. Suisse de Zool. 58:502-511. June 1951. 410 R324

86042 WEST, L. S. The housefly; its natural history, medical importance and control. Ithaca, N. Y., Comstock, 1951. 584 p. 428 W522

86043 WILLIAMS, R. W. Observations on the bionomics of *Culicoides tritriatulus* Hoffman with notes on *C. alaskensis* Wirth and other species at Valdez, Alaska, summer 1949 (Diptera, Heleidae). Ent. Soc. Amer. Ann. 44:173-183. June 1951. 420 En82

86044 WOLFINSOHN, M. The influence of the water content of the medium on the accumulation of larvae and pupae of the house-fly. Israel. Res. Council. B. 1:166-168. Mar. 1951. 330.9 Is72B

86045 YUTUC, L. M. Observations on the prevalence of Tabanid flies and surra-transmission experiments. Philippine J. Sci. 78:379-385. Ref. Dec. 1949, pub. 1950. 475 P53

Tabanus striatus and *Tabanus reducens*.

Culicidae

86046 ARDÖ, P. Notes on Swedish culicids. (In Swedish.) Opusc. Ent. 16:77-79. 1951. 421 Op7

English summary.

New geographic record.

86047 BABA, K. A study of anopheline mosquitoes in relation to the epidemiology of malaria in Canton delta, South China. Kansai Ent. Soc. Trans. 15(2):1-11. (Cont.) Nov. 1950. 420 K132

86048 BRUCE-CHWATT, L. J., and FITZ-JOHN, R. A. Mosquitoes in crab-burrows on the coast of West Africa and their control. J. Trop. Med. & Hyg. 54:116-121. Ref. June 1951. 448.8 J827

86049 DOWNS, W. G. Actividades de la Oficina de Especialización Sanitaria. Medicina; Rev. Mex. 31:213-215. June 10, 1951. 448.8 M4693

Includes *Anopheles* as malaria vectors and their control with DDT.

86050 DOWNS, W. G., BORDAS, E., and NAVARRO, L. Duración de la efectividad de depósitos residuales de DDT en superficies de adobe. Medicina; Rev. Mex. 31:215-220. Ref. June 10, 1951. 448.8 M4693

In control of *Anopheles*.

86051 HINTZ, H. W. The role of certain arthropods in reducing mosquito populations of permanent ponds in Ohio. Ohio J. Sci. 51:277-279. Sept. 1951. 410 Ch3

86052 KATO, M., and TORIUMI, M. Studies on the associative ecology of insects. I-III. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 18:467-476; 19:1-22. Ref. Dec. 1950, Mar. 1951. 513 T574Ab

I, Nocturnal succession of a mosquito association in the biting activity; II, Synecological investigation of the larval habitats of mosquitoes; III, Nocturnal activity of *Culex tritaeniorhynchus* Giles and *Anopheles hyrcanus sinensis* Wiedemann.

86053 LELEUP, N., and LIPS, M. Notes descriptives complémentaires sur *Anopheles rodhaini*. Rev. de Zool. et de Bot. Africaines 44:169-172. May 15, 1951. 410 R326

86054 MALARIA CONFERENCE IN EQUATORIAL AFRICA. Report on the conference, held under the joint auspices of the World Health Organization and of the Commission for Technical Co-operation in Africa South of the Sahara Kampala, Uganda, 27 November - 9 December 1950. World Health Organ. Tech. Rpt. Ser. 38, 72 p. Apr. 1951. 449.9 W892T

Anopheles as vector

86055 PACHON ROJAS, L. Fumigación de viviendas rurales. Rev. Cafetera de Colombia 10:3699-3709. June 1951. 68.28 R32

Chiefly *Anopheles*, *Simulium* and *Cimex*.

86056 SABATINI, A. The campaign against the *Anopheles* mosquito in the "Agro Romano," 1947-1950. (In Italian.) Riv. di Parassitol. 12:185-192. July 1951. 436.8 R52

English summary.

Control by DDT sprays.

86057 SATO, S. Development of the compound eye of *Culex pipiens* var. *pallens* Coquillett. Morphological studies on the compound eye in the mosquito. I-II. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 18:331-341; 19:23-28. Ref. Feb. 1950, Mar. 1951. 513 T574Ab

86058 SATO, S. Larval eyes of *Culex pipiens* var. *pallens* Coquillett. Morphological studies on the larval eye in the mosquito. I. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 19:29-32. Mar. 1951. 513 T574Ab

86059 TORRES CANAMARES, F. Una nueva especie de *Aedes* (Dipt. Cuk.). Eos 27:79-92. Jan./Mar. 1951. 421 E07

86060 YAMAGUCHI, K., SHYOJI, H., and SUZUKI, T. Studies on the insecticidal action of Japanese plants. III. Insecticidal constituents of birch tar oil. I. (In Japanese.) Botyu-Kagaku 4:195-200. Dec. 1950. 421 B65

English summary.

Tests on larvae of *Culex pipiens*.

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

86061 ADOLFO TORRES, B. El Cercópido, *Cephus siccifolius* (Walker, 1851). La Plata. Mus. Notas. Zool. 15:7-16. 1950. 410 L31

86062 ANTHON, E. W., and WOLFE, H. R. Additional insect vectors of western X-disease. Plant Dis. Rptr. 35:345-346. Aug. 15, 1951. 1.9 P69P

Fieberiella florii, *Keonolla confluens*, and *Scaphytopius acutus*.

86063 ANTHON, E. W., and WOLFE, H. R. *Erythroneura dolosa* and *E. plena* on sweet cherry in Washington. J. Econ. Ent. 44:614-615. Aug. 1951. 421 J822

86064 ARENZ, B. Der einfluss verschiedener faktoren auf die resistenz der kartoffel gegen die pfirsichblattlaus [*Myzus persicae*]. Z. f. Pflanzenbau u. Pflanzenschutz (n.s.) 2:49-62. Ref. 1951. 464.8 P88

86065 ARENZ, B. Weitere ergebnisse über die resistenz der kartoffel gegen die pfirsichblattlaus [*Myzus persicae*]. Z. f. Pflanzenbau u. Pflanzenschutz (n.s.) 2:63-67. 1951. 464.8 P88

86066 BALDUF, W. V. Problems in the bionomics of the squash bug, *Anasa tristis* (DeGeer) (Coreidae, Hemiptera). Ill. State Acad. Sci. Trans. 43:244-248. 1950. 500 IL6

86067 BARDIA BARDIA, R. El pulgón lanigero del manzano [*Eriosoma lanigerum*]. Cult. Mod. 34:206-207. June 1951. 15 C89

86068 BEAMER, R. H. A new genus [*Pareuidella*] and two new species of Delphacine fulgorids (Homoptera, Fulgoridae, Delphacinae). Ent. Soc. Amer. Ann. 44:198-200. June 1951. 420 En82

86069 BEIRNE, B. P. The Nearctic species of *Oncopsis* (Homoptera: Cicadellidae). Canad. Ent. 83:185-194. Ref. Aug. 1951. 421 C16

86070 BERNARD, J. Kampf den blattläusen im obstbau. Bas-Rhin Agr. 6:278. June 16, 1951. 14 B29

86071 BÖHM, H. Dinitro-sec. butylphenol, ein neues winterspritzmittel zur bekämpfung der San José-schildlaus (*Quadraspidotus* [i.e. *Aspidiotus*] *perniciosus* Comst.). Pflanzenschutzberichte 7:11-15. July 1951. 464.9 P48

English summary.

86072 BRENY, R. Mutualisme de *Cladobius populneus* Kalt. et de *Lasius niger* L. Parasitica 7:55-62. 1951. 464.8 P21

English summary.

86073 BRUNER, S. C. List of the Pentatomidae of Cuba. (A correction). Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 20:75. June 1951. 410.9 So15

- 86074 BRUNER, S. C. A new species of the genus *Macrocephalus* from Cuba (Hemiptera: Phymatidae). Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 20:71-74. June 1951. 410.9 Sol5
- 86075 CARTER, W. The feeding sequence of *Pseudococcus brevipes* (Ck1) in relation to mealybug wilt of pineapples in Hawaii. Phytopathology 41:769-780. Sept. 1951. 464.8 P56
- 86076 CARVALHO, J. C. M., and CHINA, W. E. Neotropical Miridae, XLII: on the Ecritotarsoid complex (Hemiptera). Ann. & Mag. Nat. Hist. (ser.12)4:672-697. July 1951. 410 An77
- Establishes new genera *Odontocorcoris*, *Nototremates*, *Embolocoris*, *Knightocoris*, *Pachypoda*, *Parafurius*.
- 86077 CHINA, W. E. Proposed use of the plenary powers to vary the type species of the genus "Eysarcoris" Hahn, 1834 (class Insecta, order Hemiptera), in order to validate existing nomenclatorial practice. B. Zool. Nomencl. 2:294-295. Aug. 15, 1951. 410 B874
- 86078 CORY, E. N. The control of the pests of Azaleas. Md. Gard. 5(8):20-21. Aug. 1951. 80 M362
- Stephanitis pyrioides*, *Tetranychus bimaculatus* and *Aleyrodes azaleae*.
- 86079 DANTAS, J. G. The aphid and cotton culture. (In Portuguese.) Agr. e Pecuaria 22(332):43, 6, 48, 64. May 1951. 9.2 Ag89
- Control of *Aphis gossypii*.
- 86080 DAVICH, T. B., and APPLE, J. W. Pea aphid [*Macrosiphum pisi*] control with contact and systemic insecticidal sprays. J. Econ. Ent. 44:528-533. Aug. 1951. 421 J822
- 86081 DAVIS, E. W., and LANDIS, B. J. Life history of the green peach aphid [*Myzus persicae*] on peach and its relation to the aphid problem on potatoes in Washington. J. Econ. Ent. 44:586-590. Aug. 1951. 421 J822
- 86082 DENG, O. Ein Beitrag zur Lösung des Honigtau-Rätsels. Carnika-Züchterring 2:171-173. (Cont.) Nov./Dec. 1950. 424.8 C21
- 86083 DUPUIS, C. Les espèces françaises du genre *Eurydema* Laporte (Hemiptera Pentatomoidea, Subfam. Pentatominae). Révision systématique avec une introduction à l'étude morphologique des organes génitaux externes des Pentatomoidea. Soc. Ent. de France. Ann. 118:1-28. Ref. 1949, pub. 1951. 420 F84
- 86084 ELKINS, J. C. Head capsule of the Hemipteran, *Triatoma sanguisuga* (LeConte). Field & Lab. 19:128-132. Ref. June 1951. 470 F46
- 86085 ELMER, H. S., EWART, V. H., and CARMAN, G. E. Abnormal increase of *Coccus hesperidum* in citrus groves treated with parathion. J. Econ. Ent. 44:593-597. Aug. 1951. 421 J822
- 86086 ESAKI, T., and MATSUDA, R. Hemiptera Micronesica, III. Dysodiidae. Mushi 22:73-86. Mar. 15, 1951. 421 M97
- 86087 ESAKI, T., and ISHIHARA, T. Hemiptera of Shansi, North China. II. Pentatomoidea. Mushi 22:29-44. Mar. 15, 1951. 421 M97
- 86088 ESSIG, E. O. Two rare and closely related aphids from Australia and China (Hemiptera, Aphididae). Ent. Soc. Amer. Ann. 44:189-192. June 1951. 420 En82
- 86089 EWART, W. H., ELMER, H. S., and GUNTHER, F. A. Parathion treatments for the control of citricola scale [*Coccus pseudomagnoliarum*] on citrus in California. J. Econ. Ent. 44:598-603. Ref. Aug. 1951. 421 J822
- 86090 FLANDERS, S. E. Citrus mealybug [*Pseudococcus citri*], four new parasites studied in biological control experiments. Calif. Agr. [Calif. Sta.] 5(7):11. July 1951. 100 C12Cag
- 86091 FRACASSI, G. Grapes and phylloxera. (In Italian.) Agr. Tosc. 6:285-287. Aug. 1951. 16 Ag827
- 86092 GAMBARO, P. Observations on the degree of fertility of *Aspidiotus perniciosus* Comst. in Venezia. (Hemiptera, Coccidae). (In Italian.) Soc. Ent. Ital. B. 80:75-82. Dec. 30, 1950. 420 It1
- 86093 GEIER, P. Note préliminaire sur l'hivernage de *Quadraspidiotus perniciosus* Comst. (Hémipt. Diaspididae). Schweiz. Ent. Gesell. Mitt. 23:329-336. Oct. 15, 1950. 420 Sw6
- 86094 GIBBS, A. J. *Leptomonas capsularis* n. sp. and other flagellate parasites in *Cletus ochraceus* (Hemiptera). Parasitology 41:128-133. July 1951. 448.8 P21
- 86095 GOIDANICH, G. Lithiasis of pears. (In Italian.) Sta. di Patol. Veg. B. (ser.3)7:11-18. Ref. 1949, pub. 1951. 464.9 R662
- English summary.
- Caused by *Calocoris*.
- 86096 GONZALEZ MENDOZA, R. Algunas consideraciones sobre el complejo simbiótico cóccido-hormiga del sistema radicular del café. Rev. Cafetera de Colombia 10:3680-3690. Ref. June 1951. 68.28 R32
- 86097 GÖTZ, B. Baden und die reblaus. Weinbau 6: 247. June 3, 1951. 290.8 W432
- Phylloxera vastatrix*.
- 86098 GREEN, H. V. Houses of foam. Outdoors Illus. 3(5,i.e.3):90-91. May/June 1951. 410 C162
- Cercopidae.
- 86099 HACKMAN, R. H. The chemical composition of the wax of the white wax scale, *Ceroplastes destructor* (Newstead). Arch. Biochem. & Biophys. 33:150-154. Ref. Aug. 1951. 381 Ar2
- 86100 HAINE, E. Zur Frage der Überwinterung von Myzodes [i.e. *Myzus*] persicae Sulz. an sekundärwirten. II. Myzodes [i.e. *Myzus*] persicae Sulz. und andere an kartoffeln vorkommende aphiden in den gewächshäusern von Bonn. Anz. f. Schädlingssk. 24:97-103. July 1951. 421 AnP
- 86101 HALLEMANS, A. Control of woolly apple aphid [*Eriosoma lanigerum*] with parathion or with E. 605. (In Flemish.) Cult. en Handel 17:395. July 1951. 80 C892
- 86102 HEINZE, K. Wirtschaftlich wichtige Blattläuse und ihre Bekämpfung. Biol. Bundesanst. Braunschweig. Flugbl. C 11,9 p. Jan. 1951. 464.9 B833
- 86103 HENNER, J. Untersuchungen über die anwendbarkeit des Frostspritzverfahrens im Weinbau zur Bekämpfung des Winterreies der Reblaus [*Dactyloshpaera vitifoliae*]. Pflanzenschutzberichte 7:1-10. Ref. July 1951. 464.9 P48
- English summary.
- 86104 HESLOP-HARRISON, G. Notes on Scandinavian Psyllidae. I. Ann. & Mag. Nat. Hist. (ser.12)4:657-672. (Cont.) July 1951. 410 An77
- 86105 HOCHBERG, N. Problems of *Phylloxera* in the world. (In Hebrew.) Hassadeh 31:396-399. May 1951. 26 H27
- 86106 HUBERT, K. Neuere Erfahrungen aus der praktischen Bekämpfung der Rebenblattwanze [*Piesma quadratum*] im Land Sachsen-Anhalt. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)5:61-70. Apr. 1951. 464.9 N11
- 86107 JOHNSON, C. G., and PENMAN, H. L. Relationship of aphid density to altitude. Nature [London] 168: 337-338. Aug. 25, 1951. 472 N21
- 86108 KALOOSTIAN, G. H. Transmission of western X-disease virus from chokecherry to peach by *Colladonus geminatus* (Van D.). Plant Dis. Rptr. 35:347. Aug. 15, 1951. 1.9 P69P
- 86109 KALOOSTIAN, G. H. Transmission of western X-little cherry virus from sour and sweet cherry to peach by *Colladonus geminatus* (Van D.). Plant Dis. Rptr. 35:348. Aug. 15, 1951. 1.9 P69P
- 86110 KALOOSTIAN, G. H., NIELSON, M. W., and JONES, L. S. Transmission of wilt and decline disease of cherries in Utah by the black cherry aphid [*Myzus cerasi*]. Plant Dis. Rptr. 35:349-350. Aug. 15, 1951. 1.9 P69P
- 86111 LATIF, A. Effect of electricity on the development of eggs of *Drosicha stebbingi* (Gr.), Coccidae: Homoptera. Pakistan J. Sci. Res. 2:121-134. Oct. 1950. 475 P173
- 86112 LHOSTE, J., and LEBOVICI, C. Sur le pouvoir apicide de l'octaméthylpyrophosphoramide. Parasitica 7:37-44. Ref. 1951. 464.8 P21
- 86113 LIMA, A. D. F. "White scale," pest of peach trees. (In Portuguese.) Seleç. Agr. 6(63):67-68. July 1951. 9.2 Se4
- Pseudaulacaspis pentagona*.
- 86114 MÜLLER, H. J. Über die Ursachen der unterschiedlichen Resistenz von *Vicia faba* L. gegenüber der Bohnenblattlaus *Doralis fabae* Scop. III. Über das Wirtswahlvermögen der schwarzen Bohnenblattlaus *Doralis fabae* Scop. Züchter 21:161-179. Ref. 1951. 442.8 Z8
- 86115 MÜNSTER, J. Considérations sur l'évolution des pucerons vecteurs des maladies à virus de la pomme de terre. Landwirt. Jahrb. der Schweiz 65:443-460. Ref. 1951. 71 L23
- 86116 NAST, J. Notes on the genus *Bennaria* Mel with descriptions of new species (Homoptera, Cixiidae). Mus. Zool. Polon. Ann. 15:177-186. Ref. Nov. 20, 1950. 410.9 W26
- 86117 NOWAK, W. Zur Morphologie der Männchen der grünen Pfirsichblattlaus (Myzodes [i.e. *Myzus*] persicae Sulzer). Z. f. Pflanzenbau u. Pflanzenschutz (n.s.)2: 83-84. 1951. 464.8 P88
- 86118 NÚÑEZ ANDRADE, R. Haematosiphoniasis (Núñez Andrade). Medicina; Rev. Mex. 31:143-148. Apr. 25, 1951. 448.8 M4693
- Dermatitis caused by *Haematosiphon inodorus*.

- 86119 OSSIANNILSSON, F. Contributions to the knowledge of the Swedish coccid fauna (Hem. Coccoidea). (In Swedish.) Opusc. Ent. 16:1-9. Ref. 1951. 421 Op7
English summary.
New geographical record of some species.
- 86120 OSSIANNILSSON, F. Homoptera aus einigen nordestländischen iseln. Opusc. Ent. 16:10-14. Ref. 1951. 421 Op7
- 86121 OSSIANNILSSON, F. On the shape of the Apodemes of the second abdominal sternum of the males as a specific character in the genus *Macrosteles* Fieb. (Hom. Auchenorrhyncha). Opusc. Ent. 16:109-111. 1951. 421 Op7
- 86122 PEREDEL'SKIĬ, A. A., BOCHAROVA, O. M., and STAROVOITOVA, M. K. Nature of migrations of *Eurygaster integriceps* from the mountain wintering places in Krasnodar Territory. (In Russian.) Akad. Nauk SSSR. Dok. 77:499-502. Mar. 21, 1951. 511 P444A
- 86123 PHILLIPS, J. H. H. An annotated list of Hemiptera inhabiting sour cherry orchards in the Niagara Peninsula, Ontario. Canad. Ent. 83:194-205. Aug. 1951. 421 C16
- 86124 REYES O., H. La cochinilla algodonosa (*Icerya purchasi*, Mask). Agr. Trop. 7(6):43-45. June 15, 1951. 26 Ag8
- 86125 ROLAND, G. Etude d'une mosaïque observée sur *Apium graveolens*. Parasitica 7:63-68. 1951. 464.8 P21
Transmission of disease by *Myzus persicae*.
- 86126 ROSELLA, E. A l'aide d'insecticides "systémiques"; on pourra peut-être bientôt aider les hybrides à résister au phylloxera et replanter vignes sur vignes. Terre d'Oc 33:281-283. Aug. 1951. 14 Ar5
- 86127 ROUSSY, L. Pucerons et miellats. Gaz. Apic. 52:67-68. Mar. 1951. 424.8 G25
- 86128 SÃO PAULO. SERV. DE PROFILAXIA DA MALARIA. Contribution to the epidemiological statistics of Chagas disease in the state of São Paulo. (In Portuguese.) Arq. de Hig. e Saúde Púb. 15:109-110. June 1950, pub. 1951. 449.8 Ar6
Cities where *Triatoma* were found.
- 86129 SCHOUTEDEN, H. Un genre nouveau de Cimicide du Katanga (Hemipt. Cimic.). Rev. de Zool. et de Bot. Africaines 44:278-280. May 15, 1951. 410 R326
Afrocimex.
- 86130 STELLWAAG, F. Die milbenkräuselkrankheit der rebe und ihre bekämpfung. Biol. Bundesanst. Braun-schweig. Flugbl. L 13,7 p. Mar. 1951. 464.9 B833
Phyllocoptes vitis, *Epitrimerus vitis*, and *Phyllocoptes viticulus*.
- 86131 SYLVEN, E. The work with the woolly apple aphid [*Eriosoma lanigerum*] in the blocked area. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1:7-12. Mar. 1951. 464.9 Sw3V
- 86132 TAKAHASHI, R. Paralecanium and Platylecanium from the Malay Peninsula (Coccidae, Homoptera). Kansai Ent. Soc. Trans. 15(2):48-60. Nov. 1950. 420 K132
Includes new species.
- 86133 TAKAHASHI, R. Three new myrmecophilous scale insects from the Malay Peninsula (Homoptera). Mushi 22:1-8. Mar. 15, 1951. 421 M97
- 86134 TAUBITZ, A. Die gefährdung des obstbaues durch die San-José-schildlaus [*Aspidiotus perniciosus*]. Obstbauberatungsring. Mittbl. 6(3):5-6. June 1, 1951. 85 Ob72
- 86135 VIEIRA, R. The "black aphid" of orchids, *Cerataphis lataniae* Boisduval. (In Portuguese.) Frutas da Madeira 11:129-130, 132. June 1951. 286.83 F9422
- 86136 VILAR, J. M. DOS S. Contributions to the study of Cero-plastes spp. (Insecta. Coccidae) of Portugal. (In Portuguese.) Brotéria 20:111-116. Aug. 1951. 410 B79C
- 86137 WAGNER, E. Zwei neue Pentatomiden-arten aus der spanischen Sahara (Hem. Het.). Eos 27:63-67. Jan./Mar. 1951. 421 Eo7
Stilbocydnus n. subg.
- 86138 WAGNER, W. Proposed addition of "Cercopis" Fabricius, 1775, and "sanguinolenta" Scopoli, 1763 (as published in the binominal combination "Cicada sanguinolenta"), to the official lists of generic names and specific trivial names in zoology respectively. B. Zool. Nomencl. 2:301-304. Aug. 15, 1951. 410 B874
- 86139 WAHLGREN, E. Aufzeichnungen über hauptsächlich schonischen blattläusen [Hom. Aphid.]. (In Swedish.) Opusc. Ent. 16:65-73. Ref. 1951. 421 Op7
German summary.
- 86140 WAY, M. J. An insect pest [*Theraptus* sp.] of coconuts and its relationship to certain ant species. Nature [London] 168:302. Aug. 18, 1951. 472 N21
- 86141 WOLFE, H. R., and others. Leafhopper [*Colladonus geminatus*] transmission of Western X-disease. J. Econ. Ent. 44:616-619. Ref. Aug. 1951. 421 J822
E. W. Anthon, G. H. Kaloostian, and L. S. Jones, joint authors.
- 86142 YUST, H. R. Studies on improving the distribution of hydrocyanic acid in citrus fumigation. U. S. Bur. Ent. & Plant Quar. E-822,8 p. Aug. 1951. 1.9 En83
Control of *Aonidiella aurantii*.

HYMENOPTERA

- 86143 ANDER, K. *Ammophila campestris* Latr. und *alpicola* Beaum. in Schweden. Opusc. Ent. 16:48. 1951. 421 Op7
- 86144 ANDREWES, C. H. The larva and food-plant of *Dolerus anticus* Klug (Hym., Tenthredinidae). Ent. Mon. Mag. 87:193. July 1951. 421 En86
- 86145 BEAUMONT, J. DE. Synonymies de quelques *Cerceris*. 1. (Hym. Sphecidae). Schweiz. Ent. Gesell. Mitt. 23:317-328. Ref. Oct. 15, 1950. 420 Sw6
- 86146 BENOIT, P. L. G. Nouveaux Dryinidae (Hym.-Acul.) éthiopiens. Rev. de Zool. et de Bot. Africaines 44:157-164. May 15, 1951. 410 R326
Includes *Hirtanteon* ng; also new spp. in *Dicondylus*, *Pseudogonatopus*, *Anteon* and *Xenanteon*.
- 86147 BENOIT, P. L. G. La systématique des Trigonaloidea (Hym.) éthiopiens. Rev. de Zool. et de Bot. Africaines 44:141-147. May 15, 1951. 410 R326
- 86148 BLAIR, K. G. Some records of *Gelis* Thunberg (= *Pezomachus* Gravenhorst) (Hym., Ichneumonidae). Ent. Mon. Mag. 87:194-195. July 1951. 421 En86
- 86149 BOHART, G. E. Alfalfa seed growers of Utah should protect their wild bees. Farm & Home Sci. [Utah Sta.] 12:32-33, 37. June 1951. 100 Ut1F
Wild bees as pollinators.
- 86150 BRAUNS, A. Das auftreten von holzwespen in verbautem holz. Norddeut. Holzwirt. 5(22):6. May 31, 1951. 99.82 N75
- 86151 BRIAN, A. D. Brood development in *Bombus agrorum* (Hym., Bombidae). Ent. Mon. Mag. 87:207-212. July 1951. 421 En86
- 86152 BROWN, W. L., JR., and YASUMATSU, K. On the publication date of *Polyhomoa itoi* Azuma (Hymenoptera, Formicidae). Mushi 22:93-95. Mar. 14, 1951. 421 M97
- 86153 BUGBEE, R. E. New and described parasites of the genus *Eurytoma* Illiger from rose galls caused by species of the cynipid genus *Diplolepis* Geoffrey (Hymenoptera: Eurytomidae). Ent. Soc. Amer. Ann. 44:213-261. Ref. June 1951. 420 En82
- 86154 CATALINA, L. Lucha contra las hormigas. Cult. Mod. 34:165-166. May 1951. 15 C89
Fruit tree pests.
- 86155 CHAMBERS, V. H. The larva and food-plant of *Rhogaster chambersi* Benson (Hym., Tenthredinidae). Ent. Mon. Mag. 87:202-205. July 1951. 421 En86
- 86156 COLLINGWOOD, C. A. The distribution of ants in north-west Scotland. Scot. Nat. 63:45-49. Spring 1951. 410 Sco3
- 86157 DAVIAULT, L. La fourmi gâte-bois. Forêt et Conserv. 3:273-277. May/June 1951. 99.8 F792
- 86158 DEBACH, P., DIETRICK, E. J., and FLESCHE, C. A. Ants and citrus pests; ant infestation of tree by restricting biological control causes leaf and crop reduction, and smaller fruit sizes. Calif. Agr. [Calif. Sta.] 5(7):7, 14. July 1951. 100 C12Cag
- 86159 FAHLANDER, K. Einige Aculeatenfunde. (In Swedish.) Opusc. Ent. 16:45-47. 1951. 421 Op7
German summary.
- 86160 FAHLANDER, K. Some finds of Hymenoptera. (In Swedish.) Opusc. Ent. 16:47. 1951. 421 Op7
German summary.
- 86161 FALES, J. H., and STOUT, O. O. Aerosol tests against the oriental fruit fly [*Dacus dorsalis*] and other insects. J. Econ. Ent. 44:608-610. Aug. 1951. 421 J822
- 86162 FERRIERE, C. Notes sur les *Eurytoma* (Hym. Chalcidoidea). I. Les types de Thomson et de Mayr. Schweiz. Ent. Gesell. Mitt. 23:377-410. Dec. 9, 1950. 420 Sw6
- 86163 FRANCK, L. Eine waldhummel gründet familie. Unser Wald 4(7/8):9. July/Aug. 1951. 99.8 Un7
- 86164 GLOBIN, A. A. "Eira-apua", una abeja danina. Charla Rur. 150:20-21. Apr. 1951. 9 C37
Melipona ruficrus.
- 86165 GREEN, H. B. The imported fire ant [*Solenopsis saevissima richteri*] in northeast Mississippi. (Abs.) Assoc. South. Agr. Workers. Proc. 48:94. 1951. 4 C82

- 86166 HALL, D. W., and SMITH, I. C. Studies in Pharaoh's ant, *Monomorium pharaonis* (L.). 6. External characters, size variation and cephalic ratios. Ent. Mon. Mag. 87:217-221. Aug. 1951. 421 En86
- 86167 HEQVIST, K. J. Watch for the *Acantholyda* *hieroglyphia* Christ. in cut areas. (In Swedish.) Skogen [Stockholm] 38:170. Aug. 1, 1951. 99.8 Sk51 Pinus.
- 86168 HERRSTRÖM, G. *Andrena gallica* Schmied., new to Sweden. (In Swedish.) Opusc. Ent. 16:96. 1951. 421 Op7
German summary.
- 86169 HINCKS, W. D. A new British species of *Bracon Fabricius* (Hym., Braconidae). Ent. Mon. Mag. 87:232-233. Aug. 1951. 421 En86
- 86170 HUTCHINS, R. E. An ant [*Colobopsis*] that uses its head. Nat. Hist. 60:304-306. Sept. 1951. 500 N483J
- 86171 JACOT-GUILLARMOD, C. A South African leguminous plant [*Calpurnia intrusa*] attractive to Hymenoptera. Ent. Mon. Mag. 87:235-236. Aug. 1951. 421 En86
- 86172 JULLIARD, C. Nid de l'*Odynerus scoticus* Curtis. (Hym. Vespidae). Schweiz. Ent. Gesell. Mitt. 23:369-376. Dec. 9, 1950. 420 Sw6
- 86173 KOEGEL, L. Ameisen als waldbeschützer. Unser Wald 4(5):7-8. May 1951. 99.8 Un7
- 86174 KRUGER, E. Über die bahnflüge der männchen der gattungen *Bombus* und *Psithyrus* (Bombidae hymenopt.). Z. f. Tierpsychol. 8:61-75. Ref. May 1951. 410 Z35
- 86175 KUTTER, H. Über *Doronomyrmex* und verwandte ameisen. 2. Schweiz. Ent. Gesell. Mitt. 23:347-353. Oct. 15, 1950. 420 Sw6
- 86176 KUTTER, H. Über zwei neue ameisen. Schweiz. Ent. Gesell. Mitt. 23:337-346. Oct. 15, 1950. 420 Sw6
New species in *Chalepoxenus* and *Epimyrma*.
- 86177 LECLERCQ, J. Notes systématiques sur les *Anacrabro* (Packard, 1866) (Hym., Sphecidae, Crabroninae). Soc. Ent. de France. B. 56:61-64. Apr. 1951. 420 F84B
- 86178 MENKE, H. F. Toxicity of some insecticides to *Nomia melanderi* and *Apis mellifera*. J. Econ. Ent. 44:624-625. Aug. 1951. 421 J822
- 86179 MEYER, F. Lecture on sawflies [Symphyta]. (In Flemish.) Cult. en Handel. 17:394. July 1951. 80 C892
Fruit pests.
- 86180 MORIMOTO, R., IWATA, K., and YASUMATSU, K. Observations on *Bombus diversus* Smith (Hymenoptera, Apidae). Mushi 22:51-58. Mar. 15, 1951. 421 M97
- 86181 OLBERG, G. Solitäre bienen. *Urania* 14:217-222. June 1951. 474 Ur1
- 86182 RASKIN, A. Control of wasps in 1949 and 1950. (In Hebrew.) Hassadeh 31:410-413. May 1951. 26 H27
- 86183 RICHARDS, O. W. New species of *Bethyloidea* (Hymenoptera). Ann. & Mag. Nat. Hist. (ser. 12):4:813-820. Aug. 1951. 410 An77
New species in *Embolemus*, *Thaumatomyrmex*, *Neodryinus*.
- 86184 RIHERD, P. T. Status of the Rhodes grass scale parasite in Texas. J. Econ. Ent. 44:622-623. Aug. 1951. 421 J822
Anagyrus antoninae, a parasite of *Antonina graminis*.
- 86185 RON PEDRIQUE, A. Formicidas. Agro [El Valle] 5(15):10-21. Nov./Dec. 1950. 9.95 Ag83
- 86186 ROTH, P. Les Sphecidae paléarctiques (Hym. Sphecidae). Soc. Ent. de France. Ann. 118:79-84. Ref. 1949, pub. 1951. 420 F84
- 86187 SAKAGAMI, S. *Bombus* (*Agrobombus*) *senilis* Smith und ihr nest (Systematische studien der hummeln.) III. Mushi 22:9-15. Mar. 15, 1951. 421 M97
- 86188 SALA DE CASTELLARNAU, P. I. Notas entomológicas en plena naturaleza. I. Himenópteros. *Broteria* 20:101-110. Aug. 1951. 410 B79C
- 86189 SANTIS, L. DE. Lista de sinonimias establecidas para los géneros y sub-géneros de *Chalcidoidea* (Hymenoptera). La Plata. Mus. Rev. (n.s.) Secc. Zool. 6:47-67. Ref. 1950. 516 L31Rz
- 86190 SCHWARZ, H. F. Stingless bees collected by R. Takahashi in Indo-China and Siam (Hymenoptera). Mushi 22:63. Mar. 15, 1951. 421 M97
Trigona.
- 86191 STELFOX, A. W., and GRAHAM, M. W. R. DE. V. Descriptions of two new species of *Aspilota* (Hym., Braconidae) from England. Ent. Mon. Mag. 87:222-223. Aug. 1951. 421 En86
- 86192 TAKEUCHI, K. An interesting new genus [Masaakia] and species of the subfamily *Blennocampinae* from Japan. (Tenthredinidae, Hymenoptera). Kansai Ent. Soc. Trans. 15(2):17-19. Nov. 1950. 420 K132
- 86193 TOKUNAGA, M., TSUJITA, M., and YAMAZAKI, A. Studies on the larvae of the Tenthredinidae. II. Morphological study on a rosaceous leaf-feeder sawfly, *Arge nigrinodosa* Motschulsky. Mushi 22:17-24. Mar. 15, 1951. 421 M97
- 86194 VENEZIA, M. Modern methods of control of the Argentine ant [*Iridomyrmex humilis*]. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:443-446. 1951. 464.9 C767
- 86195 WAHLGREN, E. Blattminierende Tenthredinid-larven. II. (Hym. Phyt.). (In Swedish.) Opusc. Ent. 16:74-76. 1951. 421 Op7
German summary.
- 86196 WATANABE, C. A new species of the genus *Doryctomorpha* Ashmead from Japan (Hymenoptera: Braconidae). Mushi 22:47-49. Mar. 15, 1951. 421 M97
- 86197 WATANABE, C. A new species of the genus *Meteorus* Haliday from Japan (Hymenoptera: Braconidae). Mushi 22:45-46. Mar. 15, 1951. 421 M97
- 86198 WATERHOUSE, F. L. Body-temperature of small insect larvae. Nature [London] 168:340. Aug. 25, 1951. 472 N21
Report on *Tenthredopsis litterata*.
- 86199 WILSON, H. B. The Argentine ant; D.D.T. shows promise in control experiments. Victoria. Dept. Agr. J. 49:217-219. May 1951. 23 V66J
- 86200 YASUMATSU, K. *Bombus* and *Psithyrus* of Shansi, N. China (Hymenoptera, Apidae). Mushi 22:59-62. Mar. 15, 1951. 421 M97
- 86201 YASUMATSU, K. Mutillidae of Shansi, North China (Hymenoptera). Mushi 22:69-72. Mar. 15, 1951. 421 M97
- 86202 YASUMATSU, K. A new *Dryocosmus* injurious to chestnut trees in Japan (Hym., Cynipidae). Mushi 22:89-92. Mar. 15, 1951. 421 M97
Dryocosmus kurtiphilus n.sp.
See also Apiculture and *Apis mellifera*.

LEPIDOPTERA

- 86203 ADAMCZEWSKI, S. The moths of Warsaw-City (Lepidoptera). (In Polish.) Fragmenta Faunistics 6:111-128. Feb. 12, 1951. 410.9 W26F
English summary.
- 86204 ADAMCZEWSKI, S. Notes on the Lepidoptera of Poland. II. (In Polish.) Fragmenta Faunistics 6:95-110. July 15, 1950. 410.9 W26F
English summary.
- 86205 ALLEGRET, P. Retard de la nymphose chez *Galleria mellonella* L. après la sécrétion du cocon. Influence de l'alimentation. Acad. des Sci. Compt. Rend. 233:441-443. July 30, 1951. 505 P21
- 86206 ANDER, K. Stored food pests, *Paralipogularis* Zell. (Lep. Pyr.), new to Sweden. (In Swedish.) Opusc. Ent. 16:64. 1951. 421 Op7
German summary.
- 86207 ANDROIC, M. La résistance des chenilles du lipar [*Porthretia dispar*] (I-V stade) contre parathion et pantakan [DDT]. (In Croatian.) Sumarski List 75:181-193. Ref. May 1951. 99.8 Su6
French summary.
- 86208 ARNOUX, J. La cheimatobie (Operophtera *brumata*) et les vergers de pommiers à cidre. Acad. d'Agr. de France. Compt. Rend. 37:374-377. June 6/13, 1951. 14 P215Bc
- 86209 ATWOOD, E. P. Adventures with Viceroy. Nat. Mag. 44:411-413. Oct. 1951. 409.6 N214
Basilarchia archippus.
- 86210 BECKER, G. Kornmotten und pilzmücken an holzzerstörenden pilzen und in pilzzerstörtem holz in gebäuden. Z. f. Hyg. Zool. u. Schädlingsbekämpf. 39:5-14. Ref. Jan. 1951. 449.8 Z36
Chiefly *Nemapogon granella* and *Fungivora marginata*.
- 86211 BERIO, E. Description of new species of Noctuidae. (In Italian.) Soc. Ent. Ital. B. 80:89-92. Dec. 30, 1950. 420 It1
New spp. in *Eublemma*, *Ozarba*, *Eustrotia*, *Protarache* and *Galactomoia*.
- 86212 BERNARDI, G. La détermination des *Maculinea* français (Lycaenidae). Rev. Franç. de Lépidoptérologie 13:16-18. Jan./Feb. 1951. 421 P192

- 86213 BESSON, J., and JOLY, E. Essai d'une mise au point pratique des problèmes posés par la tordeuse orientale du pêcher [Grapholitha molesta]. Terre d'Oc 33:252-255. July 1951. 14 Ar5
- 86214 BLAIR, K. G. Eupithecia arceuthata Freyer in the Isle of Wight. Entomologist 84:158-159. July 1951. 421 En8
New geographic record.
- 86215 BLANCHARD, R. A., and others. Insecticide emulsions for control of the corn earworm [Heliothis armigera] and fall armyworm [Laphygma frugiperda]. (Abs.) Assoc. South. Agr. Workers. Proc. 48:96-97. 1951. 4 C82
G. P. Wene, H. K. Gouck, and W. A. Douglas, joint authors.
- 86216 BÖHM, H. Beobachtung des mottenfluges mit hilfe von fanggläsern. Pflanzenarzt 4(spec.no.):6-7. Mar.1951. 464.9 P482
Psychodidae in glass observation cages.
- 86217 BOURGOGNE, J. Les Lépidoptères. Nature [Paris] 3194:175-181. June 1951. 473 N21
- 86218 BOURGOGNE, J. Pieris manni existe-t-elle dans la région parisienne? Rev. Franç. de Lépidoptérologie 13:19-20. Jan./Feb.1951. 421 P192
- 86219 BRADLEY, J. D. Notes on the family Arrhenophanidae (Lepidoptera: Heteroneura), with special reference to the morphology of the genitalia, and descriptions of one new genus and two new species. Entomologist 84:178-185. Aug.1951. 421 En8
Ecpathophanes n. g.
- 86220 BROWN, F. M. Colorado Plebeius saepiolus. Ent. Soc. Amer. Ann. 44:286-292. June 1951. 420 En82
- 86221 BURRAU, N. Hoplodrina ambigua F. (Lep. Noct.) a moth new to Swedish fauna. (In Swedish.) Opusc. Ent. 16:16. 1951. 421 Op7
English summary.
- 86222 CHAMBERLAIN, W. F. Pre-silking sprays to control corn earworm [Heliothis armigera] and fall armyworm [Laphygma frugiperda]. J. Econ. Ent. 44:590-592. Aug.1951. 421 J822
- 86223 CHIARELLI DE GAHAN, A. Orugas cortadoras. Pampa Argentina 24(280):5. Apr.1951. 9 P19
Control.
- 86224 CHIARELLI DE GAHAN, A. La polilla de la papa. Pampa Argentina 24(281):24-25. May 1951. 9 P19
Gnorimoschema operculella.
- 86225 COCKAYNE, E. A. The genetics of Cleora cinctaria Schiffermüller ab. submarmorinaria Fuchs and ab. schulzei Heinrich. Ent. Rec. & J. Variation 63:126-129. July/Aug.1951. 421 En89
- 86226 COCKAYNE, E. A. How I discovered Poecilopsis (Nyssia) lapponaria Boisduval in the Rannoch district. Ent. Rec. & J. Variation 63:133-134. July/Aug.1951. 421 En89
- 86227 COCKAYNE, E. A. Two new subspecies of British Geometridae (Lep.). Entomologist 84:154-155. July 1951. 421 En8
- 86228 DELMAS, J. La teigne de la pomme de terre (Gnorimoschema operculella Zell.). Pomme de Terre Franç. 14(143):7-12. Ref. July 1951. 75.8 P77
- 86229 DE WORMS, C. G. M. British Lepidoptera collecting, 1950. Entomologist 84:145-153. July 1951. 421 En8
- 86230 DITMAN, L. P., and LLOYD, G. W. Timing treatments for European corn borer [Pyrausta nubilalis] control. J. Econ. Ent. 44:564-566. Aug.1951. 421 J822
- 86231 DOMINICK, C. B. Tests with insecticides for hornworm [Protoparce sexta, P. quinque maculata] control on tobacco. J. Econ. Ent. 44:539-541. Aug.1951. 421 J822
- 86232 DOS PASSOS, C. F. Lepidopterology. (In Japanese.) Lepidopterological Soc. Japan. Trans. 1:40-41. Aug.1950. 420 N622T
- 86233 EDWARDS, W. H. Entomological reminiscence. N. Y. Ent. Soc. J. 59:129-186. Sept.1951. 420 N48J
- 86234 EICHLER, W. Die klee-eule (Scotogramma trifolii) als rübens- und zwiebel-schädling. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.):5:72-74. Apr.1951. 464.9 N11
- 86235 ELLIS, H. New killer for alfalfa caterpillar [Colias philodice eurytheme]. Successful Farming 49(9):114-115. Sept.1951. 6 Su12
A spore-forming bacterium tested in California.
- 86236 FILMER, R. S., and GINSBURG, J. M. Effectiveness of airplane applications of insecticides and poison baits for control of armyworm [Cirphis unipuncta] and insecticide residue recovered at harvest. J. Econ. Ent. 44:542-546. Aug.1951. 421 J822
- 86237 GAINES, J. C., and REINHARD, H. J. A sweet clover root borer in Texas. J. Econ. Ent. 44:623-624. Aug.1951. 421 J822
Walshia amorphella.
- 86238 GEHLEN, B. Neue afrikanische Sphingiden. Rev. de Zool. et de Bot. Africaines 44:251-253. May 15, 1951. 410 R326
Includes new sp. in Temnora.
- 86239 GINSBURG, J. M., and FILMER, R. S. DDT recovered on corn plants from different treatments against corn earworm [Heliothis armigera]. J. Econ. Ent. 44:620. Aug.1951. 421 J822
- 86240 HARPER, G. W. Eupithecia arceuthata (Lep. Geometridae) in West Sussex. Entomologist 84:162-163. July 1951. 421 En8
- 86241 HAWKINS, J. Importance of time of application of DDT sprays in control of European corn borer [Pyrausta nubilalis]. J. Econ. Ent. 44:569-571. Aug.1951. 421 J822
- 86242 HERBULOT, C. Diagnoses de nouveaux genres de Geometridae Larentiinae. Rev. Franç. de Lépidoptérologie 13:25-26. Jan./Feb.1951. 421 P192
Dysrhoe, Catarhoe, Glaucorhoe and Archirhoe, new genera.
- 86243 HERBULOT, C. Un nouvel Epirrhoe d'Amérique du Nord (Geometridae, Larentiinae). Rev. Franç. de Lépidoptérologie 13:26-27. Jan./Feb.1951. 421 P192
- 86244 HOMBERG, R. Contribution à la faune des Hétérocères de la Sologne. Rev. Franç. de Lépidoptérologie 13:28-32. Jan./Feb.1951. 421 P192
- 86245 HOPKINS, G. H. E. The gender of the name Colias. Entomologist 84:175-176. Aug.1951. 421 En8
- 86246 HOVANITZ, W. The biology of Colias butterflies. III. Variation of adult flight in the Arctic and sub-arctic. Wasmann J. Biol. 9:1-9. Spring 1951. 442.8 W28
- 86247 HYDE, G. E. A striking woodland butterfly. Country Life [London] 110:507. Aug.17,1951. 80 C83
Argynnis paphia.
- 86248 INOUE, H. Anaitis perelegans and its subspecies in Japan (Lepidoptera: Geometridae). Mushi 22:25-28. Mar.15,1951. 421 M97
- 86249 JONG, D. J. DE. Leaf rollers and their control. (In Dutch.) Fruitteelt 41:450-451. June 28,1951. 86 N28
Capua reticulana on fruit.
- 86250 JONG, D. J. DE. Preliminary investigations on apple and pear leafrollers. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:131-150. Ref. Mar. 1951. 86 N384
English summary.
Chiefly on Capua reticulana.
- 86251 KELMM, M. Ein neuer schädling [Hyphantria cunea] nach Europa eingeschleppt. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.):5:76. Apr.1951. 464.9 N11
- 86252 KIRBY, A. H. M. Trials of zinc fluoroarsenate against codling moth, Cydia [i.e. Carpocapsa] pomonella L. East Malling Res. Sta. Annu. Rep.38:160-163. 1950, pub.1951. 103 Ea7
- 86253 LAAN, P. A. VAN DER, and ANKERSMIT, G. W. Chemical control of the arachis leaf miner (Stomopteryx subcivella Zell.). Landbouw [Bogor] 23:86-96. Jan./Mar.1951. 22.5 L23
- 86254 LAAN, P. A. VAN DER. Control of maize borer [Pyrausta nubilalis] in Sumatra. (In Dutch.) Landbouw [Bogor] 23:5-16. Ref. Jan./Mar.1951. 22.5 L23
English summary.
- 86255 LEDERER, G. Biologie der nahrungsaufnahme der imagines von Apatura und Limenitis, sowie versuche zur feststellung der gustorezeption durch die mittel- und hinterfussstansen dieser Lepidopteren. Z. f. Tierpsychol. 8:41-61. Ref. May 1951. 410 Z35
- 86256 LESSE, H. DE. Etude biométrique des formes d'Erebia epiphron (Knoch), des Vosges, d'Auvergne et des Pyrénées. Rev. Franç. de Lépidoptérologie 13:3-9. Ref. Jan./Feb.1951. 421 P192
- 86257 LESSE, H. DE. Expéditions polaires françaises (Missions Paul-Emile Victor); zoologie—4^e note—Macrolepidoptera. Soc. Ent. de France. Ann. 118:51-78. Ref. 1949, pub.1951. 420 F84B
Includes new species in Operophtera.
- 86258 LESSE, H. DE. Sur une espèce de Satyridae mal connue: Hipparchia (Pseudotergumia) wyssii Christ. Soc. Ent. de France. B. 56:50-53. Apr.1951. 420 F84B
- 86259 LINDERS, M. A butterfly [Heteropterus morpheus] new to Sweden (Lep. Rhop.). (In Swedish.) Opusc. Ent. 16:80. 1951. 421 Op7
English summary.

- 86260 LINNSEN, E. F. Caterpillar portraits. Amateur Photog. 102:193-194. Aug.22,1951. 332.8 Am12
- 86261 LLOYD, G. W. Insecticide tests against the potato tuberworm [Gnorimoschema operculella]. J. Econ. Ent. 44:613-614. Aug.1951. 421 J822
- 86262 LORENSSON, A. Plusia gamma on Gotland. (In Swedish.) Lantmannen 35:630,640. Aug.18,1951. 11 L234
Damage to field crops.
- 86263 MACLAURIN, A. M. Lepidoptera in Renfrewshire. Ent. Rec. & J. Variation 63:130-132. July/Aug. 1951. 421 En89
- 86264 MARION, H. Mecyna lutealis Dup. bona species et f. citralis H.-S. (Crambidae). Rev. Franç. de Lépidopterologie 13:10-15. Ref. Jan./Feb.1951. 421 P192
- 86265 MARTIN, P. Présence d'Ocneria rubra F. (Lépidoptère) dans la région de Genève. Schweiz. Ent. Gesell. Mitt. 23:432. Dec.9,1950. 420 Sw6
- 86266 MILES, M. Some aspects of cabbage root fly [Erioschia brassicae] attack in the field. Gt. Brit. Min. Agr. Agriculture 58:234-237. Aug.1951. 10 G79J
- 86267 NAKAHARA, W. New or imperfectly known Japanese butterflies. Lepidopterological Soc. Japan. Trans. 2:2-3. Feb.1951. 420 N622T
- 86268 NEUMANN, H. Zur obstmaden-spritzung. Gesunde Pflanzen 3:101-102. May 1951. 464.8 G33
Carpocapsa pomonella.
- 86269 NEWMAN, L. H. Reputed British butterflies. Country Life [London] 110:658-659. Aug.31,1951. 80 C83
- 86270 NEWTON, J. Notes on Spingidae in the Tetbury (Glos.) area. Ent. Rec. & J. Variation 63:132-133. July/Aug.1951. 421 En89
- 86271 OGATA, M. Studies on the male genitalia of Japanese Hesperidae (Lepidoptera). II. (In Japanese.) Kansai Ent. Soc. Trans. 15(2):33-47. Nov.1950. 420 K132
English summary.
- 86272 OKADA, Y. Genus Zernthia Ochsenheimer. (In Japanese.) Lepidopterological Soc. Japan. Trans. 2:4-5. Feb.1951. 420 N622T
- 86273 OKAGAKI, H. Notes on the generic name of so called Euchloe-species from Japan (Pieridae). (In Japanese.) Lepidopterological Soc. Japan. Trans. 1:36-37. Aug.1950. 420 N622T
English summary.
Author separates Anthocharis Bdv. from Euchloe Hbn.
- 86274 OWEN, D. F. The butterflies of Darenth Wood. Entomologist 84:172-174. Aug.1951. 421 En8
- 86275 PATCH, L. H., DEAY, H. O., and SNELLING, R. O. Stalk breakage of dent corn infested with the August generation of the European corn borer [Pyrausta nubilalis]. J. Econ. Ent. 44:534-539. Aug.1951. 421 J822
- 86276 PATOČKA, J. La Géometride Cheimantobia [i.e. Operophtera] brumata - le ravageur dangereux des frênes en Slovaquie. (In Czech.) Lesn. Práce 29:479-483. 1950. 99.8 L56
French summary.
- 86277 POOS, F. W. Control of the garden webworm [Loxostege similalis] in alfalfa. U. S. D. A. L. 304,4 p. July 1951. 1 Ag84L
Supersedes Farmers' Bulletin 944.
- 86278 RAMBRING, H. Tagfalternotizen von sommer 1950. (In Swedish.) Opusc. Ent. 16:15-16. 1951. 421 Op7
German summary.
- 86279 REHFOUS, M. Deuxième note sur diverses espèces méridionales de Lépidoptères rencontrées dans la région de Genève. Schweiz. Ent. Gesell. Mitt. 23:417-431. Dec.9,1950. 420 Sw6
- 86280 RICCI, D. DE. Notes complémentaires sur Pericallia matronula. Rev. Franç. de Lépidopterologie 13:21-23. Jan./Feb.1951. 421 P192
- 86281 RITSCHL, A. Können klebgürtel gegen den frostspanner [Operophtera brumata] durch DDT- und hexamittel ersetzt werden? Gesunde Pflanzen 3:177-180. Aug.1951. 464.8 G33
- 86282 ROCCA, L. Critical notes on the "Lepidoptera pedemontana" of L. De Prunner. (In Italian.) Soc. Ent. Ital. B. 80:82-88. Dec.30,1950. 420 It1
- 86283 ROEHRICH, A., and ROEHRICH, R. Les traitements contre la tordeuse orientale du pêcher (Laspesya molesta Busck); résultats obtenus à la station de zoologie agricole du Sud-Ouest de 1947 à 1950. Phytoma 4(24):7-11. Mar.1951. 464.8 P563
In France.
- 86284 ROUSSY, L. Le cannibalisme chez les larves de la mite des abeilles. Gaz. Apic. 52:31. Feb.1951. 424.8 G25
Galleria mellonella.
- 86285 RUDEBECK, G. Some observations concerning migratory movements in Pyrausta atalanta L. together with some general considerations. (In Swedish.) Opusc. Ent. 16:49-54. Ref. 1951. 421 Op7
English summary.
- 86286 RUI, D. Control the threat of corn pyralis [Pyrausta nubilalis]. (In Italian.) Agr. del Polesine 3:97-98. July 1951. 16 Ag8222
Also in Agr. delle Venezie 5:431-433. Aug.1951. 16 Ag826
- 86287 RUI, D. Corn pyralid [Pyrausta nubilalis] and the necessity for control. (In Italian.) Agr. del Polesine 3:49-50. Apr.1951. 16 Ag8222
- 86288 RUTSCHKY, C. W. Corn earworm [Heliothis armigera] control experiments in Pennsylvania in 1950. J. Econ. Ent. 44:567-569. Aug.1951. 421 J822
- 86289 SAENGER, G. Mothproofing of wool. (In Italian.) Fibre e Colori 1(2):5-14. Feb.1951. 304.8 F442
- 86290 SALASCHEK, H. Die miniermotte [Lyonetia clerkella] - eine gefahr für den obstbau? Obstbauberatungsring. Mittbl. 6(3):7. June 1,1951. 85 Ob72
- 86291 SANTIS, L. DE. Comensalismo, predatorismo y parasitismo relacionado con el bicho de cesto (Oiketicus kirbyi Guild.). La Plata. Mus. Notas. Zool. 15:17-36. Ref. 1950. 410 L31
- 86292 SAVARY, A. Les teignes ou vers des bouchons. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 7:49-50. July 1951. 17 J82A
Six species of Tineidae.
- 86293 SCHREIER, O. Der kohlweissling [Pieris brassicae]. Bundesanst. f. Pflanzenschutz. Flugbl. 64, 2 p. 1950. 464.9 V672F
- 86294 SEILER, J. Analyse des intersexen fühlern von Solenobia triquetrella (Psychidae, Lepid.). Rev. Suisse de Zool. 58:489-495. June 1951. 410 R324
- 86295 SEIXAS, C. The coffee leaf miner (Perileucop-tera coffeella). (In Portuguese.) Soc. Rur. Bras. Rev. 31(367):38-41. June 1951. 9.2 B733
- 86296 SKOGSBOG, J. Pararge achine Scop. on Gotland 1950 (Lep.). (In Swedish.) Opusc. Ent. 16:44. 1951. 421 Op7
English summary.
- 86297 SOBRERO, L. R. El taladro de la caña del maíz [Pyrausta nubilalis]. Pampa Argentina 24(282):18-19. June 1951. 9 P19
- 86298 SOENEN, A. Biologische beiträge über den frostspanner [Operophtera brumata]. Höfchen-Briefe f. Wiss. u. Praxis 4:3-19. 1951. 464.8 H67
English summary.
- 86299 THOMPSON, J. A. A new form of Pieris napi L. Entomologist 84:177. Aug.1951. 421 En8
- 86300 TORRE Y CALLEJAS, S. L. DE LA. Notas suplementarias a nuestro trabajo sobre el genero Danaus (Lepidoptera, Rhopalocera). Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 20:93-103. June 1951. 410.9 So15
- 86301 TORRE Y CALLEJAS, S. L. DE. LA. Sobre una nueva forma de Nathalis iole Boisduval (Lepidoptera, Pieridae). Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 20:89-91. June 1951. 410.9 So15
- 86302 VENTURI, F. The potato tuberworm [Gnorimoschema operculella] and allowable methods of control (In Italian.) Agr. Tosc. 6:258-260. July 1951. 16 Ag827
- 86303 VERBEKE, J., and BRANDE, J. VAN DEN. On the occurrence of some Evetria and Dioryctria species in Lower Belgium. (In Flemish.) Gent. Landhogesch. Meded. 15:797-801. Dec.1950. 105.1 G344
- 86304 VIETTE, P. Les Noctuidae Noctuidae (Lep.) de la Nouvelle Calédonie et des Nouvelles Hébrides. Soc. Ent. de France. Ann. 118:29-50. Ref. 1949,pub. 1951. 420 F84
New species in Hyospila; new subspecies in Oxyodes.
- 86305 VIKTOR, L. Der apfelwickler (die obstmade) Carpocapsa (Cydia) pomonella L. Obst u. Gart. 6:62-63. Apr.1951. 80 Ob75
- 86306 WARREN, B. C. S. Lepidopterology. (In Japanese.) Lepidopterological Soc. Japan. Trans. 2:6-8. Feb.1951. 420 N622T
- 86307 WARREN, B. C. S. On a Boloria [pales lapponica] recorded from Abisko (Lep., Nymphalidae). Entomologist 84:169-171. Aug.1951. 421 En8
- 86308 WEINMAN, C. J., and DECKER, G. C. The toxicity of eight organic insecticides to the armyworm [Clirphis unipuncta]. J. Econ. Ent. 44:547-552. Ref. Aug.1951. 421 J822
- 86309 WILHELM. Sauerwurm- und äscherichschädler verhüten! Bauern-Ztg. 4(31):13. Aug.3,1951. 18 B324
Clysia ambiguella and fungus diseases of grapes.

86310 WILTSHIRE, E. P. A year on a Tigris island. Bombay Nat. Hist. Soc. J. 49:637-660. Apr. 1951. 513 B63

Includes Lepidoptera.

See also Sericulture and the Silkworm.

ORTHOPTERA

86311 BEEBE, W., and CRANE, J. The case of the wise and foolish mantids. Anim. Kingdom 54:98-103. July/Aug. 1951. 410.9 N483B

86312 BODENHEIMER, F. S., and SHULOV, A. Egg-development and diapause in the Moroccan locust (*Doclostaurus maroccanus* Thnb.). Israel. Res. Council. B. 1:59-75. Mar. 1951. 330.9 Is72B

86313 BRITISH MUSEUM (NATURAL HISTORY). The cockroach: its life-history and how to deal with it. Ed. 5. Brit. Mus. (Nat. Hist.) Econ. Ser. 12, 26 p. 1951. 410.9 B77

86314 GURNEY, A. B. The names of the field and house crickets. J. Econ. Ent. 44:611. Ref. Aug. 1951. 421 J822

Acheta assimilis and *A. domesticus*.

86315 HYMAN, J. & CO. Control of grasshoppers with the insect toxicant Aldrin. Hyman, Julius, & Co. C. 402-A, folder. Feb. 1951. 423.9 H99C

86316 KEVAN, D. K. M. Preliminary records of some Acridoidea (Orthoptera) from remote parts of East Africa. Ann. & Mag. Nat. Hist. (ser. 12) 4:713-718. July 1951. 410 An77

86317 LAWSON, F. A. Structural features of the oothecae of certain species of cockroaches (Orthoptera, Blattellidae). Ent. Soc. Amer. Ann. 44:269-285. June 1951. 420 En82

86318 LOTTO, G. DE. On the presence of a stink gland in two Orthoptera of the genus *Phymateus*. (In Italian.) Soc. Ital. di Med. e Ig. Trop. Sez. Eritrea di Med. Umana e Vet. B. 10:195-201. 1950. 448.9 So16

86319 MARSHALL, D. S., MUKA, A. A., and GYRISCO, G. G. Control of the red-legged grasshopper [*Melanoplus femur-rubrum*] on alfalfa with a low volume-low pressure sprayer. J. Econ. Ent. 44:615-616. Aug. 1951. 421 J822

86320 MISHCHENKO, L. L. Revision of locusts from *Paranocarodes* I. Bol. genus (*Saltatoria*-Orthoptera, *Acrididae*) and their closest relations. (In Russian.) Akad. Nauk SSSR. Dok. 77:517-520. Ref. Mar. 21, 1951. 511 P444A

New genera: *Ananothrotes*, *Pseudonothrotes*, *Paranothrotes* and *Oronothrotes*.

86321 MONTANA STATE ENTOMOLOGIST. Grasshopper control handbook for 1951. Bugs 4:17-32. May 1, 1951. 421 B86

Includes Aldrin - Insecticide of the month.

86322 NOLAND, J. L., and BAUMANN, C. A. Protein requirements of the cockroach *Blattella germanica* (L.). Ent. Soc. Amer. Ann. 44:184-188. Ref. June 1951. 420 En82

86323 PRINCIS, K. Kleine beiträge zur kenntnis der blattarien und ihrer verbreitung. IV. Opusc. Ent. 16:89-93. Ref. 1951. 421 Op7

86324 PRINCIS, K. Eine neue *Pseudoglomeris* (Blatt.) von Java. Opusc. Ent. 16:93-94. 1951. 421 Op7

86325 RICCI, M. Note on the biology of *Blatta orientalis* L. [at different temperatures]. (In Italian.) Ist. Super. di Sanit. Rend. 15:259-270. 1951. 449.9 R66

English summary.

86326 ROBLOT. Sur la présence du *Schistocerca gregaria* Forsk. dans l'aire grégarienne du criquet migrant africain de juillet à octobre 1950. Acad. d'Agr. de France. Compt. Rend. 37:239-240. Apr. 11, 1951. 14 P215Bc

With an introduction by P. Vayssiére.

86327 SCHENK, P. J. Mole crickets [*Gryllotalpa vulgaris*] and earwigs [*Forficula auricularia*]. (In Dutch.) Vakbl. v. de Bloemisterij 6:258. Aug. 17, 1951. 80 V22

Injuries to flowers.

86328 TAMINO, G. Observations on the phenomenon of jumping in Orthoptera. (In Italian.) Arch. Zool. Ital. 35:265-288. Ref. 1950. 410 Ar22

English summary.

86329 WEIH, A. S. Untersuchungen über das wech-selsingen (Anaphonie) und über das angeborene lautschema einiger feldheuschrecken. Z. f. Tierpsychol. 8:1-41. Ref. May 1951. 410 Z35

86330 WHITE, M. J. D., and NICKERSON, N. H. Structural heterozygosity in a very rare species of grasshopper [*Pedioscirtetes nevadensis*]. Amer. Nat. 85:239-246. Ref. July/Aug. 1951. 470 Am36

SERICULTURE AND THE SILKWORM

86331 HIRATA, Y., and NAWA, S. Sur la fluorec-cyanine (ichtyoptérine) obtenue des œufs de *Bombyx mori* et des écailles de carpe. Soc. de Biol. Compt. Rend. 145:661-663. May 1951. 442.9 P21

86332 HOLEC, E. Die letzten tage der aufzucht und versand der kokons. Österr. Kleintierzüchter 13/14:986-987. July 1951. 49 Os7

86333 LEGAY, J. M., and PASCAL, M. De l'effet de groupe chez le ver à soie. Acad. des Sci. Compt. Rend. 233:445-447. July 30, 1951. 505 P21

86334 PAGANI, L. Provisions for the silkworm cocoon pool. (In Italian.) Agr. delle Venezie 5:293-297. June 1951. 16 Ag826

86335 PIGORINI, L. Technical modernization of silk production. (In Italian.) Agr. delle Venezie 5:283-292. June 1951. 16 Ag826

SMALLER ORDERS

86336 AHMAD, M. The termite problem in Pakistan. Pakistan J. Sci. 2:152-153. Oct. 1950. 475 P172

86337 AUBERT, J. Note sur les Plécoptères européens du genre *Taeniopteryx* Pictet (*Nephelopteryx* Klapalek) et sur *Capnia vidua* Klapalek. Schweiz. Ent. Gesell. Mitt. 23:303-316. Ref. Oct. 15, 1950. 420 Sw6

86338 AVIDOV, Z., and BEN-HAIM, N. Heliothrips on avocado. (In Hebrew.) Hassadeh 31:413-416. May 1951. 26 H27

86339 BOHART, R. M. The Myrmecolacidae of the Philippines (Strepsiptera). Wasmann J. Biol. 9:83-103. Ref. Spring 1951. 442.8 W28

86340 COATON, W. G. H. Termites and their control in cultivated areas in South Africa. Union So. Africa. Dept. Agr. B. 305, 28 p. 1950. 24 So84P

86341 COOREMAN, J. Contribution à l'étude des suctorina du Congo Belge. II. Rev. de Zool. et de Bot. Africaines 44:165-166. May 15, 1951. 410 R326

86342 DELAPLANE, W. K., JR. New chemicals we've tried for termite control. Pest Control 19(9):31-32. Sept. 1951. 449.8 Ex8

Mainly chlordane.

86343 EWING, K. P., PARENCIA, C. R., JR., and JOHNSON, H. S., JR. Insecticidal field tests for control of thrips on cotton. (Abs.) Assoc. South. Agr. Workers. Proc. 48:96. 1951. 4 C82

Control of Thrips tabaci, *Frankliniella tritici*, and *Frankliniella fusca*.

86344 GEIGY, R., and RAHM, U. Beiträge zur experimentellen analyse der metamorphose von *Sialis lutaria* L. (Megaloptera). Rev. Suisse de Zool. 58:408-413. June 1951. 410 R234

86345 GEIGY, R., and ERNST, E. Einfluss der luft-feuchtigkeit auf die lebensdauer verschiedener termite-narten im hungerversuch. Rev. Suisse de Zool. 58:414-420. June 1951. 410 R324

86346 GILLIES, M. T. Association of a chironomid (Diptera) larva [*Epoicocladus ephemerae*] with *Ephemera danica* L. (Ephemeroptera). Ent. Mon. Mag. 87:200-201. July 1951. 421 En86

86347 GIROUD, P., JADIN, J., and JEZIERSKI, A. Le pou peut-il jouer un rôle dans la transmission de la fièvre Q? Soc. de Biol. Compt. Rend. 145:569-570. Apr. 1951. 442.9 P21

86348 GISIN, H. Notes sur les collemboles avec une espèce, un nom et trois synonymes nouveaux. Schweiz. Ent. Gesell. Mitt. 23:411-416. Dec. 9, 1950. 420 Sw6

Includes new species in *Neanura*, and *Proisotoma subarctica* n. n.

86349 GISIN, H. Quelques Collemboles cavernicoles d'Italie du Nord. Soc. Ent. Ital. B. 80:93-95. Dec. 30, 1950. 420 It1

New spp. in *Pseudosinella*.

86350 HOPKINS, G. H. E. Proposed use of the ple-nary powers to validate the specific trivial name "acuminata" Ioff & Tiflov, 1946 (as published in the combination "*Rhadinopsylla* (*Rectofrontia*) *acuminata*") as applied to the species numbered "68" by those authors (class Insecta, order Siphonaptera). B. Zool. Nomencl. 2:296-297. Aug. 15, 1951. 410 B874

86351 KIMMINS, D. E. New species of Neuroptera from the Solomon Islands. Ann. & Mag. Nat. Hist. (ser. 12) 4:780-785. Aug. 1951. 410 An77

New species in *Nobilinus*, *Chrysopa*, *Acroberotha*; new geographic record of genus *Nobilinus* and family *Berothi-dae*.

- 86352 LUSCHER, M. Über die determination der ersatzgeschlechtstiere bei der termiten Kalotermea flavicollis Fabr. Rev. Suisse de Zool. 58:404-408. June 1951. 410 R324
- 86353 MACNEILL, N. Further notes on the nymphs of *Lestes dryas* Kirby and *L. sponsa* (Hansemann) (Odonata: Lestidae). Entomologist 84:156-157. July 1951. 421 En8
- 86354 MARLIER, G. Quatre espèces nouvelles de *Chimarra* africaines (Trichoptera). Rev. de Zool. et de Bot. Africaines 44:180-188. May 15, 1951. 410 R326
- 86355 MORLAN, H. B., and HINES, V. D. Evaluation of county-wide DDT dusting operations in murine typhus control, 1950. Pub. Health Rpt. 66:1052-1057. Aug. 17, 1951. 151.65 P96
For control of *Xenopsylla cheopis* and *Leptopsylla segnis*.
- 86356 NOIROT, C. Le développement des neutes chez les termites supérieurs (Termitidae). IV. Le sexe des diverses catégories de neutes. Acad. des Sci. Compt. Rend. 233:447-448. July 30, 1951. 505 P21
- 86357 PENN, G. H. Seasonal variation in the adult size of *Pachydiplax longipennis* (Burmeister) (Odonata, Libellulidae). Ent. Soc. Amer. Ann. 44:193-197. June 1951. 420 En82
- 86358 PRAPORT, M. Collembola collected in the forest-district Lobodno (near Czeszochowa, Poland). (In Polish.) Fragmenta Faunistica 6:135-148. Ref. Feb. 26, 1951. 410.9 W26F
English summary.
- 86359 SCHMID, F. Le genre *Hydatophylas* Wall (Trichopt. Limnophilidae). Schweiz. Ent. Gesell. Mitt. 23:265-296. Oct. 15, 1950. 420 Sw6
Includes two new species.
- 86360 SCHWINCK, I. Veränderungen der epidermis, der perikardialzellen und der corpora allata in der larven-entwicklung von *Panorpa communis* L. unter normalen und experimentellen bedingungen. Wilhelm Roux' Arch. f. Entwicklmech. der Org. 145:62-108. Ref. 1951. 442.8 Z33D
- 86361 SMITH, A. L., and WESTFALL, M. J., JR. Descriptive photography of the dragonfly. Biol. Photog. Assoc. J. 19:74-87. May 1951. 332.9 B52
- 86362 SOSNINA, E. F. New louse species of the Turkestan rat from Tadzhikistan. (In Russian.) Akad. Nauk SSSR. Dok. 77:365-268. Mar. 11, 1951. 511 P444A
Hoplopleura pavlovskiyi Sosnina sp. nov.
- 86363 STRAUB, E. Unsere libellen. Kosmos 47:204-208. May 1951. 474 K842
- 86364 TANDAN, B. K. Mallophagan parasites from Indian birds. I. New species belonging to the genera *Aquanimus*, *Quadriceps* and *Rallicola* (Ischnocera, Philopteridae). Ann. & Mag. Nat. Hist. (ser. 12) 4:802-813. Aug. 1951. 410 An77
- 86365 TRAUB, R., and TIPTON, V. J. *Jordanopsylla allredi*, a new genus and species of flea from Utah (Siphonaptera). Wash. Acad. Sci. J. 41:264-270. Aug. 1951. 500 W276J
- 86366 WYGODZINSKY, P. The 3rd Danish Expedition to Central Asia. Zoological results 2. Thysanura (insecta) aus Afghanistan. Dansk. Nathist. For. Vidensk. Meddel. 112:139-155. 1950. 502 D232
German text with English summary.
New species in *Bakerella*, *Machilidae* and *Haslundichilis* n. g.
- 86371 HOLTON, H. N. Farm ponds are growing up. Breeder-Stockman 13(4):69-70. Sept. 1951. 49 V81
- 86372 KASS, L. Etwas über die haftpflcht: der unglückstag Dreschen u. Pflügen 6(7):8-9. July 15, 1951. 58.8 D81
- 86373 KINDRED, H. N. Is it safe to drive in the country? Colo. Rancher & Farmer 5(14):7,9. July 28, 1951. 6 C714
- 86374 KITCHING, H. W. Is your farm safe? Farmer's Advocate & Home Mag. 86(3403):4. July 26, 1951. 7 F22
Farm accident prevention.
- 86375 MARAMBA, F. D. Farming as a challenge to agricultural engineers. Philippine Agr. Engin. J., First Q. 1951:11-13. 58.8 Ag88
- 86376 MATIAS, A. F., JR. Road construction in Allah Valley. Philippine Agr. Engin. J., First Q. 1951: 26. 58.8 Ag88
- 86377 MERINO, G. The role of agricultural engineers in agricultural undertakings. Philippine Agr. Engin. J., First Q. 1951:27-28. 58.8 Ag88
- 86378 MORSE, K. Farms with farm ponds. Ohio Conserv. B. 15(8):14-17. Aug. 1951. 279.9 Oh330
- 86379 MÖRTSELL, O. On the objectives of surveying. (In Swedish.) Tidskr. f. Hushållsk. och Skogs-vårdsstyr. i Gävleborgs Län 26:49-55. 1950. 11 T434
- 86380 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Farm machinery: prevention of accidents. North. Ireland. Min. Agr. L. 115,4 p. Jan. 1951. 10 N81
- 86381 PRUETT, H. G. Human factors in accidents. Rur. Electr. Job Training & Safety Conf. 8:26-33. 1950. 1.933 R8827
- 86382 RUSSELL, J. S. Out where the tall corn grows. Farm Safety Rev. 9(5):6-7. Sept./Oct. 1951. 449.8 F22
Activities of the Iowa Farm Safety Committee.
- 86383 SMITH, L. J. It can happen on your farm, too! Fire prevention is an important and personal job on every farm. Hoard's Dairyman 96:635,649. Aug. 25, 1951. 44.8 H65
- 86384 STONECRACKER. Roads ways and means. I-II. Farmers Wk. [London] 35(8):43-45,47;(9):41,43. Aug. 24-31, 1951. 10 F2226
1. New roads; 2. Major repairs.
- 86385 TERESHCHENKO, N. A., and MOSKALEV, S. P. To construct ponds quickly, inexpensively and well. (In Russian.) Les i Step' 2(12):27-30. Dec. 1950. 99.8 L565
- 86386 VASIL'EVA, I. A. Flooding of collective farm ponds. (In Russian.) Les i Step' 3(2):86-88. Feb. 1951. 99.8 L565
- 86387 VOKHLAKOV, P. F., and AGAPOV, V. F. Rational planning of fur-bearing animal farms. (In Russian.) Karakulevodstvo i Zverovodstvo 3(6):36-39. Nov./Dec. 1950. 49 K14
Layouts.
- 86388 WOOLLEY, R. B. What can be done to improve rural fire attack and control? Fire Engin. 103:622-626, 708-712. Aug. 1951. 296.68 F513

FARM MACHINES AND EQUIPMENT

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 86367 CLEVE, S. Fire hazards with hay and straw blowers. (In Swedish.) Lantmannen 35:349-350. Apr. 28, 1951. 11 L234
- 86368 COX, J. K. New hope for rural roads. Ill. Agr. Assoc. Rec. 29(8):6-8, 26, 30. Aug. 1951. 6 IL62
Increased gas tax funds for rural roads in Illinois.
- 86369 HAMILTON, C. L. Accidents happen but are preventable. Mont. Farmer-Stockman 38(22):7. July 15, 1951. 6 M764
- 86370 HELDRETH, H. E. Falls in the farm home. Farm Safety Rev. 9(5):10-12. Sept./Oct. 1951. 449.8 F22
- 86389 BAKER, V. Machine capacity and output. Farm Mech. 3:350-352. Sept. 1951. 58.8 B772
- 86390 BENGERT, E. E. Mechanization of the American rice industry. Agr. & Indus. Life 13(7):37. July 1951. 25 Ag8
- 86391 BESKINE, J. M. Alloy steels for agriculture. Agr. Mach. J. 5(7):56, 58. July 1951. 58.8 Ag86
- 86392 BETT, J. Of men and machines; our agriculture is highly mechanised, but unless this machinery is used with care and precision, too much power is lost. Farmers Wk. [London] 35(8):59. Aug. 24, 1951. 10 F2226
- 86393 BJERNINGER, S. Everybody wants good and cheap agricultural machines; some impressions about the American farm machinery industry. (In Swedish.) Lantmannen 35:276-277. Apr. 7, 1951. 11 L234
- 86394 BRACE, A. W. Aluminium alloys in agricultural engineering. Agr. Mach. J. 5(7):34-36. July 1951. 58.8 Ag86
- 86395 BRODINE, A. M. Farm equipment and supplies are under NPA's controlled materials plan. Co. Agent & Vo-Ag Teacher 7(6):22-23. June 1951. 275.28 N213
- 86396 BRODINE, A. M. Farm machinery—will there be enough? Co. Agent & Vo-Ag Teacher 7(5):18-19. May 1951. 275.28 N213
- 86397 CABE, C. M. The use of modern machinery in crop production. Philippine Agr. Engin. J., First Q. 1951:23-25. 58.8 Ag88

86398 CASTELLINI, A. Mechanization of farms in the region. (In Italian.) Agr. Tosc. 6:239-243. July 1951. 16 Ag827

86399 CHEVALIER, A. Les essais de cultures nouvelles et de mécanisation de l'agriculture au Moyen Congo Français (Niari et pays Batéké). Acad. d'Agr. de France. Compt. Rend. 37:342-345. June 6/13, 1951. 14 P215Bc

86400 CCHOE, F. Planning farm operations for the effective use of modern machinery. Ontario Crop Impr. Assoc. Addresses & Proc. 13:69-72. 1951. 64.9 On83

86401 COLWICK, R. F. Progress of cotton mechanization in the Southeast. (Abs.) Assoc. South. Agr. Workers. Proc. 48:28-29. 1951. 4 C82

86402 CROWE, G. B. Problems of farm mechanization in the South. (Abs.) Assoc. South. Agr. Workers. Proc. 48:17. 1951. 4 C82

86403 DECOUX, L. Quelques aspects de la mécanisation de la culture de la betterave, en 1949. Inst. Belge pour l'Amélior. de la Betterave. P. 18:255-281. Nov./Dec. 1950. 66.9 In7
English summary.

86404 DIEBALL, H. Werbung im landmaschinenhandel! Landmasch.-Markt 30(11):25. June 2, 1951. 58.8 L239
Germany.

86405 DILLON, M. Machinery. Agr. Ireland 8:185, 187. Aug. 1951. 10.5 Ag8
Advice on purchase and operation of machinery and the establishment of a testing institute.

86406 ELEMA, H. M. Agricultural equipment at the Royal Show. (In Dutch.) Drents Landbbl. 32(29):5. July 21, 1951. 12 D812

86407 ENGELHARD, J. Étendez votre activité au delà de la machine agricole. Monit. de la Mécan. Rur. 44:179-180. June 1951. 58.8 M74

86408 GONÇALVES, P. A. Case agricultural equipment used in the States of Maryland and Virginia. (In Portuguese.) Lav. Arroz. 5(54):31-32. June 1951. 59.8 L39

86409 HALL, E. How much can you mechanize? There are times when a sizable investment is justified only by custom work or by pooling equipment. If that's your problem, here are the facts you'll need to decide. Country Gent. 121(9):30, 130-133. Sept. 1951. 6 C833

86410 HANSEN, P. B. The agricultural exhibition in Hamburg. (In Danish.) Husmandshjemmet 25:15, 19. June 19, 1951. 11 H963
Equipment.

86411 KALVERKAMP, U. D. The great rural pasture mechanization day at Kamerik. (In Dutch.) Nieuwe Veldbode 17:613-614. June 21, 1951. 12 V542N

86412 KLEMGARD, N. How farmers and dealers modify standard equipment. Impl. Rev. 48(9):19-20, 72. Aug. 1951. 58.8 Im73

86413 KREMER, H. Die steuerung von vielfachgeräten. Landtechnik 6:466-467. July 15, 1951. 58.8 L235

86414 LAYCOCK, G. Revolution in the cotton fields. Farm Q. 6(3):73-76, 80. Autumn 1951. 6 F22995
Mechanization.

86415 LEONIDOW, K. Die technik im kolchos. Agr. Rundschau 6:55-56. Summer 1951. 280.8 Ag82
Mechanization.

86416 LIERMAN, M. Motorisation et prévisions météorologiques. Acad. d'Agr. de France. Compt. Rend. 37:353-356. June 6/13, 1951. 14 P215Bc

86417 LÖHR, L. Der maschineneinsatz im bergbäuerlichen familienbetrieb. Allg. Bauern-Ztg. 6(25):5. June 23, 1951. 19 K142
Austria.

86418 MCCORMICK, C. J. The farm equipment situation. Co. Agent & Vo-Ag Teacher 7(6):14-15. June 1951. 275.28 N213

86419 MCHARDY, D. N. Mecca of north British farmers. Power Farmer 7:109-111. Sept. 1951. 58.8 P872

An example of power farming.

86420 MARTIN, F. Matériel de culture tropicale. Rev. Internat. des Prod. Colon. 26:129-130. June/July 1951. 286.8 R326

86421 MEINDL, G. Die landmaschinenschau auf der wanderausstellung in Hamburg. Landwirtschaft 15/16:241-242. (Cont.) Aug. 1951. 19 L235

86422 MERTENS. Vorschau auf die landmaschinenschau der DLG-Ausstellung in Hamburg. Hannoversche Land- u. Forstwirtschaft. Ztg. 104:464-465, 492-493. May 19-26, 1951. 18 H194

86423 MOBERG, H. A. Maskinerna i amerikansk jordbruk; reflexioner efter en studieresa. Mechanised agriculture in USA. Jordbrtek. Inst. Meddel. 236, 41 p. 1951. 58.9 J762

86424 MOTHES, L., and MOTHES, M. Mechanisierung—unser weg. Deut. Landwirt. Presse 74:116. May 5, 1951. 18 D482

86425 REHRL, K. Der riementrieb. Österr. Landtech. 4:88-91. Mar. 1951. 58.8 L236

86426 REHRL, K. Wälzlager und ihre behandlung. Österr. Landtech. 4:47-49. Feb. 1951. 58.8 L236

86427 REYNOLDS, P. A. How to choose smallholding machines. Health & Soil, Summer/Autumn 1951:20-21. 56.8 H34

86428 RHEINWALD, H., and SEIDLER, R. Unsere arbeitswirtschaftliche wanderberatung. Landtechnik 6:562-564. Aug. 30, 1951. 58.8 L235
Equipment in Germany.

86429 RUSSELL, H. How the small farmer can make economical use of power equipment. Ontario Crop Impr. Assoc. Addresses & Proc. 13:65-68. 1951. 64.9 On83

86430 SCHOLZ. Mechanisieren mit mass. Neue Mitt. f. die Landwirt. 6:225-226. Apr. 14, 1951. 18 N39
Germany.

86431 SCHOLZ. Wie an der Landwirtschaftsschule Mainz im winterhalbjahr 1949/50 maschinenkundlicher unterricht erteilt wurde. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:66-67. June 1951. 18 N11

86432 SCOTTON, M. Italian farm machinery markets in 1950. (In Italian.) Riv. di Econ. Agr. 6:248-251. 1951. 281.8 R52
English summary.

86433 SEGLER, G. Pneumatic grain conveying, with special reference to agricultural application. Silsoe, Bedfordshire, Natl. Inst. Agr. Engin., 1951. 174 p. 291 Se3

86434 SPENDL, C. Mechanisierung und arbeits-technik in Schweden. Österr. Landtech. 4:85. Mar. 1951. 58.8 L236

86435 STATER, V. L. Agricultural machinery trends in the Philippines. Philippine Agr. Engin. J., First Q. 1951:37. 58.8 Ag88

86436 STJERNDAHL, H. Machines even for manual labor—an objective; a visit to Ribbingsberg Estate. (In Swedish.) Lantmannen 35:615. Aug. 11, 1951. 11 L234

86437 STREIF, G. Wege zur vernünftigen mechanisierung der bäuerlichen betriebe. Neue Mitt. f. die Landwirt. 6:379-380. June 9, 1951. 18 N39
Germany.

86438 TARNVIK, N. The Agricultural Society has appointed a machine instructor. (In Swedish.) Västerbotten 5/6:143-144. Nov. 1950. 11 V442

86439 TAVERNETTI, J. R., and EWING, B. B. Cotton mechanization studies in California. Agr. Engin. 32:489-492. Sept. 1951. 58.8 Ag83

86440 TULL, Power on the land. Power Farmer 7:106-108. Sept. 1951. 58.8 P872

86441 WELECZKA. Gartenbauliche maschinen auf der DLG-Schau. Landwirt. Z. der Nord-Rheinprov. 118:521-522. June 16, 1951. 18 L2344

Animal Husbandry Equipment

86442 AEGERTER, T. What small equipment do I need? Shorthorn World 36(10):114-115. Aug. 10, 1951. 43.8 Sh8

86443 ANDERSON, E. E. Care of the milking machine N. Mex. Stockman 16(9):95. Sept. 1951. 49 N462

86444 BAKER, V. H., and BYWATERS, J. H. Brooding poultry with infrared energy. (Abs.) Assoc. South. Agr. Workers. Proc. 48:24-25. 1951. 4 C82

86445 BEER, A. Ein futtermeschirr, das sich jeder hühnerhalter selbst anfertigen kann und in welchem das futter nicht mit kot vermischt wird. Geflügelhof 14:549. Aug. 17, 1951. 47.8 G276

86446 BERGMAN, L. G. Semi-automatic manure removal arrangement for smaller farms. (In Swedish.) Ladugården 7:201-203. July 1951. 44.8 L12

86447 CHAMBLISS, C. G. Brooding poultry with electricity in Virginia. (Abs.) Assoc. South. Agr. Workers. Proc. 48:27-28. 1951. 4 C82

86448 CHICK brooding with infra-red lamps. N. Y. Farm Electr. Council. Prog. Rpt. 1950(7), 9 p. Mar. 1951. 335.9 N485

86449 CORSTIAENSEN, W. P. M., and MOENS, A. Een onderzoek naar het doelmatig gebruik van de melk-machine. An investigation into the efficient use of the milking-machine. Inst. v. Landtech. en Rationalisatie. P. 4, 38 p. Jan. 1951. 58.9 W12
English summary.

- 86450 FLUCHER, H. Tüderhalfter und tüderfessel. Pflug 4:80-82. Apr.1951. 19 P48
- 86451 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. The cattle crush. Gt. Brit. Min. Agr. & Fisheries. Fixed Equip. Farm. L. 13,7 p. May 1951. 10 G7944
- 86452 HALL, H. S. Equipment for individual-quarter machine milking. J. Dairy Res. 18:151-154. June 1951. 44.8 J823
- 86453 HENRIQUES, E. More and more people use the milking machine. (In Danish.) Husmandshjemmet 26: 1,29. June 26,1951. 11 H963
- 86454 HORN, E. Die melkmaschine im weidebetrieb. Neue Mitt. f. die Landwirt. 6:384-385. June 9,1951. 18 N39
- 86455 HOWARD, J. N. Brooding chickens with infra-red heat lamps in Piedmont, North Carolina. (Abs.) Assoc. South. Agr. Workers. Proc. 48:25-26. 1951. 4 C82
- 86456 JENSEN, J. M. A view of farm cleaning practices. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17: 3-5. 1950. 44.9 Oh35M
- Dairy utensils and milking machines.
- 86457 KEARNEY, E. E. The mechanics of curb bits. West. Horseman 16(10):22,45. Oct.1951. 42.8 W522
- 86458 KINZELBACH, W. Zur technik des maschinen-melkens. Bad. Landwirt. Wchnbl. 118:468-469. Aug.4, 1951. 18 B142
- 86459 MANN, D. Utility alley. Mo. Rur. 92(17):6,24-25. Sept.8,1951. 6 R8891
- Livestock handling equipment.
- 86460 MARTINY, Melkmaschine—rück- und vor-schau. Melkmaschinendienst,p.2-4. In Unser Milchvieh 3(8). Aug.1951. 43.8 Un7
- 86461 MATALLANA VENTURA, S. Aplicaciones de la energia eléctrica en avicultura. Siembra [Madrid] 7(6): 14-16. June 1951. 15 Si1
- 86462 MATHERY, P. L'appareil teneur de pieds. Monit. de la Mécan. Rur. 44:187. (Cont.) June 1951. 58.8 M74
- 86463 MONTGOMERY, G. A. Self-feeding cows cuts dairy chores. Capper's Farmer 62(9):24,34. Sept.1951. 6 M693
- 86464 MONTAGUE, J. L., JR. Electricity for brood-ing poultry in the Southeast. (Abs.) Assoc. South. Agr. Workers. Proc. 48:26-27. 1951. 4 C82
- 86465 PLACE, N. What small equipment do I need in starting with purebreds? Shorthorn World 36(10):113-114. Aug.10,1951. 43.8 Sh8
- 86466 POHLER. Besonders saubere ausrüstung des melkers sehr wichtig. Bl. f. den Melker,p.1. In Unser Milchvieh 3(7). July 1951. 43.8 Un7
- 86467 REICHERT, W. Tennenfütterung. Österr. Landtech. 4:84-85. Mar.1951. 58.8 L236
- Of cattle.
- 86468 RICHARDS, E. L. Milking machines and man-aged milking. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:46-47. 1950. 44.9 Oh35M
- 86469 SMITH, D. M., WHITTELESTON, W. G., and ALLEN, J. The design and use of a milking machine for cows. J. Dairy Res. 18:31-33. Feb.1951. 44.8 J823
- 86470 SVEDBACK, V. Automatic feed gate openers. (In Swedish.) Västerbotten 4:116-119. July 1950. 11 V442
- 86471 WALLACE, I. The smithy takes to the road. Cattleman 38(4):104,106,108. Sept.1951. 49 C29
- 86472 WITTMANN, H. Neue maschinen und geräte für die tierhaltung und milchgewinnung auf der DLG-ausstellung in Hamburg. Milcherzeuger 9:30-31. Aug. 1951. 43.8 M592
- Cultivation and Tillage Equipment**
- 86473 BLASCH, J. Wo stehen wir in der bergbauern-technik? Österr. Landtech. 4:107-108. Apr.1951. 58.8 L236
- Chiefly on use of cables for tillage on slopes.
- 86474 BURCHARD, K. Die normung der gespann-pflugkörper. Landtechnik 6:462-463. July 15,1951. 58.8 L235
- 86475 ENGELHARD, J. Si vous vendez peu, pourquoi ne vendez vous pas autre chose? Monit. de la Mécan. Rur. 44:153-154. May 1951. 58.8 M74
- Chiefly about an automatic spade.
- 86476 FEDTKE, and WÜLFING. Diesjährige erfah-rungen mit kartoffelleggerohren am vielfachgerät. Land-wirt. Wchnbl. f. Westfalen u. Lippe 108A:1223. Aug.23, 1951. 18 L2346
- 86477 GLERUM, J. C. Ploegen voor zandgrond [Plows for sandy soils]. Inst. v. Landbtech. en Rationali-satie. P. 9,36 p. Mar.1951. 58.9 W12
- 86478 JACKLIN, A. W. Big seed grower praises and criticizes his machines. Impl. Rec. 48(10):20-22,42. Sept.1951. 58.8 Im73
- 86479 KERMANN. Die bodenfräse, ein zusatzgerät zum schlepper. Landmasch.-Markt 30(11):22. June 2, 1951. 58.8 L239
- 86480 KRASSER, A. Erfahrungen in der technik des bodenseilzuges. Österr. Landtech. 4:51-53. Feb.1951. 58.8 L236
- 86481 LUZ, P. Das drahtzugseil im betrieb und seine pflege. Österr. Landtech. 3:331-333. Dec.1950. 58.8 L236
- For tillage on slopes.
- 86482 LUZ, P. Richtige behandlung der drahtzug-selle hilft geld sparen. Österr. Landtech. 3:298-300. Nov.1950. 58.8 L236
- For tillage on slopes.
- 86483 PERRONNE, P. Au jardin familial le petit matériel nécessaire. Rev. Agr. de l'Afrique du Nord 49:231-232. Mar.23,1951. 80 R326
- 86484 PITTMAN, D. W. How serious are the defects of mechanical blocking of sugar beets. Utah. Agr. Expt. Sta. C. 128,9 p. June 1951. 100 Ut1
- 86485 PORSE, O. Tractor plowing. (In Swedish.) Lantbrtidskr. f. Dalarna 2:66-69. Apr.1951. 11 L29
- 86486 REBOUR, H. Les secateurs pneumatiques à la Foire d'Alger. Fruits et Primeurs de l'Afrique du Nord 21:245. July/Aug.1951. 80 F9482
- 86487 VILLIERS, F. H., and DIXON, T. V. Mechani-cal aids to nursery work. East Malling Res. Sta. Annu. Rpt. 38:201-202. 1950,pub.1951. 103 Ea7
- 86488 WILSON, R. W. A progress report on rotary hoeused in tobacco. N. C. Agr. Expt. Sta. Inform. C. 5, 8 p. Jan.1951. 58.9 N812
- 86489 ZIMMER, S. J. Modern machinery and the small fruit-grower. Fruit-Grower 2904:285-286. Aug. 23,1951. 80 F941
- Fertilizer and Seed Distributors**
- 86490 AKESSON, N. B. Elements of weed sprayer construction and use. Farm Impl. News 72(17):50-51. Sept.10,1951. 58.8 F22
- 86491 CHOPPIN DE JANVRY, J. Traitements par hélicoptères. Sol 64:137-139. 1951. 14 So4
- 86492 COOKE, G. W. The mechanical application of fertilizers in field experiments. Empire J. Expt. Agr. 19: 160-174. July 1951. 10 Em7
- 86493 CULPIN, C. Muck handling made easy. Farmer & Stock-Breeder 65(3223):70-71. July 31,1951. 10 F228
- Loaders and distributors.
- 86494 DILLON, M. Potato planting machines are too elaborate. Farm Impl. Equip. & Tools, Apr.1951:23. 58.8 F2222
- 86495 DUDLEY, R. F. Machinery for mulch seeding of supplementary grazing crops in permanent pastures. (Abs.) Assoc. South. Agr. Workers. Proc. 48:29-30. 1951. 4 C82
- 86496 JONES, J. N., JR., LILLARD, J. H., and HINES, R. C., JR. Application of the multiple-use drill to Vir-ginia conditions. (Abs.) Assoc. South. Agr. Workers. Proc. 48:171. 1951. 4 C82
- 86497 JUNG, K. F. Zuckerrübenbestellungs- und erntemaschinen. Landtechnik 6:499-502. July 31,1951. 58.8 L235
- 86498 REA, H. E., STIVER, E. N., and JOHNSTON, J. R. Seeding and fertilizing close-drilled crops on small plats with a multiple-cell, belt-type distributor. (Abs.) Assoc. South. Agr. Workers. Proc. 48:46-47. 1951. 4 C82
- 86499 SIMONS. Kartoffelbestellungs- und erntema-schinen. Landtechnik 6:496-499. July 31,1951. 58.8 L235
- 86500 WHARTON, M. F., JR. Deco gypsum and plant food applicator. Crop Comments 4(10):2. Aug.1951. 57.8 C88
- Harvesting Equipment**
- 86501 BALL, C. E. Taking the backache out of cotton harvesting; with new machines a man can pick a bale of cotton in less than an hour. Farm & Ranch—South. Agr. Upper So. Ed. 81(9):13,29. Sept.1951. 6 T31
- 86502 BERG, M. Combine threshing. (In Swedish.) Tidskr. f. Hushållsk. och Skogsvårdsstyr. i Gävleborgs Län 26:178-181. 1950. 11 T434

- 86503 BILLINGTON, T. F. Silage handling costs halved; how combine and cutter-blower fitted together have helped to achieve this saving. *Farmer & Stock-Breeder* 65(3224):70-71. Aug.7,1951. 10 F228
- 86504 BUCHELE, W. F. Mechanized production of cotton. II. Cotton pickers and wheel fenders. *Ark. Agr. Expt. Sta. Mimeog. Ser.* 4,8 p. Sept.1950. 100 Ar42M
- 86505 BUCHHOLZ, H. Arbeitsverfahren und maschinen für die kartoffelernte. *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:1158. (Concl.) Aug.9,1951. 18 L2346
- 86506 BULANADI, J. Combine harvesting of rice. *Philippine Agr. Engin. J.*, First Q.1951:41-42. 58.8 Ag88
- 86507 CZECHANOWSKI. Die entwicklung unserer erntemaschinen. *Landwirt. Z. der Nord-Rheinprov.* 118: 520-521. June 16,1951. 18 L2344
- 86508 ELLIOTT, J. A. Now come peanut combines. *Prog. Farmer, Carolinas-Va. Ed.* 66(9):26. Sept.1951. 6 P945
- 86509 GEHL, R. M. Threshing another farm job for the forage harvester. *Canad. Farm Impl.* 47(6):62,64. June 1951. 58.8 C163
- 86510 GIBB, J. A. C., and CHATER, G. P. A preliminary survey of hop picking machines. *Wye Col. Dept. Hop Res. Annu. Rpt.* 1950:72-82. 1951. 70.9 W972
- 86511 GILES, G. W. A progress report on the finger wheel rake. *N. C. Agr. Expt. Sta. Inform. C.* 4,23 p. May 1951. 58.9 N812
- 86512 HERBSTHOFER, F. Verlustquellen bei der mähreschernte. *Österr. Landtech.* 4:75-76. Mar. 1951. 58.8 L236
- 86513 JOLY, A. R. L. La récolte mécanique des produits agricoles. *Rev. Agr. de l'Afrique du Nord* 49: 378-381. May 18,1951. 80 R326
- 86514 MARTIN, J. W., and HUMPHREY, E. N. Idaho potato combines. *Impl. Rev.* 48(9):24-26,30. Aug.1951. 58.8 Im73
- 86515 MATTIES, H. J. Bericht aus Hamburg: grünfutter- und heuerntemaschinen. *Landtechnik* 6:455-458. July 15,1951. 58.8 L235
- 86516 MEYER, K. Der mährescher in den französischen lohndruschunternehmungen. *Dreschen u. Pflügen* 6(7):8. July 15,1951. 58.8 D81
- 86517 MORRISON, E. M., and DAVIS, L. H. Mechanical harvesting of sugar beets economical when machines are used to capacity. *Farm & Home Sci. [Utah Sta.]* 12: 28-29,39. June 1951. 100 U11F
- 86518 SEGLER, G. Getreideerntemaschinen. *Landtechnik* 6:493-495. July 31,1951. 58.8 L235
- 86519 SMITH, H. C. You can do a better job of combining. *Soybean Digest* 11(10):13-14. Aug.1951. 60.38 So9
- 86520 TOLMAN, B. Machine harvest increases. *U & I Cult.* 11(2):2-3. Sept.1951. 66.8 UL12
- Sugar beets.
- 86521 WADLOW, T. J. When corn goes down. *Farmers Wk. [London]* 35(6):47. Aug.10,1951. 10 F2226
- Methods of handling the binder with leaning crops.
- ### Land Clearing Equipment
- 86522 BRUSH control; two new machines introduced in the West to help lick mesquite and sage. *Co. Agent & Vo-Ag Teacher* 7(9):9-12. Sept.1951. 275.28 N213
- 86523 FRISENDAHL, R. Mechanized stone removal. (In Swedish.) *Västerbotten* 4:104-107. July 1950. 11 V442
- 86524 MAYNE, J. E., and JAMIL, M. B. An unusual problem in land clearing. *Trop. Agr. [St. Augustine]* 27: 231-235. July/Dec.1950. 26 T754
- ### Processing Equipment Used on the Farm
- 86525 ADAMS, H. J. What the seed processors want. *Grain & Feed J. Consolidated* 107(5):18-19. Sept.12,1951. 298.8 G762
- Equipment.
- 86526 ALBRECHT, R. Ten percent of the harvest is lost! Can you afford it? *Prairie Farmer, Ill. Ed.* 123(17): 1,50-51. Sept.1,1951. 6 P883B
- Drying equipment.
- 86527 ANDRADE, B. M. DE. Preparación del heno. *Campo [Tacuba] (ser.2)* 19(712):76,78-79. (Cont.) June 30, 1951. 8 C157
- 86528 BANNISTER, C. A. Hay driers speed hay making. *Ontario Crop Impr. Assoc. Addresses & Proc.* 13:60-61. 1951. 64.9 On83
- 86529 BARR, H. T., and COONROD, L. G. Present status of bulk drying and storage of rice on the farm. *Rice J.* 54(8):12-17. Aug.1951. 59.8 R36
- Equipment.
- 86530 BENNETT, C. A., and GERDES, F. L. Cotton-gin maintenance. *U. S. D. A. L.* 216,rev.,7 p. July 1951. 1 Ag84L
- 86531 BORDE, F. DE LA. Le procédé "Frigieri" d'ensilage en meules a compression mécanique. *Bétail & Basse-Cour* 6:299. June/July 1951. 49 B462
- 86532 BRAADLIE, O. Threshing injuries to grain. (In Norwegian.) *Landbrukstidende* 57:346-347. May 2, 1951. 11 L236
- 86533 BUIATTI, P. G. Importance of good hay making (In Italian.) *Agr. Tosc.* 6:275-277. Aug.1951. 16 Ag827
- 86534 EKSAA, O. Cost of artificial drying of grain. (In Norwegian.) *Norsk Landbr.* 17:200-205. May 25,1951. 11 N8122
- 86535 FONDARD, L. Pour produire beaucoup de bon foin. *Révell Agr.* 60:178-179. June 15,1951. 14 R322
- 86536 GOLLEDER. Sollen wir uns einen gebläsehäcksler kaufen? *Bad. Landwirt. Wchnbl.* 118:465 Aug.4,1951. 18 B142
- 86537 GÜTH, K. Häckselmaschinen. *Landtechnik* 6: 502-505. July 31,1951. 58.8 L235
- Chiefly for chopping straw and silage.
- 86538 GUTTRIDGE, S. Making hay in Oregon; new methods, modern equipment tell the story. *West. Livestock J.* 29(48):44-45. Aug.15,1951. 6 F2278
- 86539 HERZOG, A. Meine reutermethode. *Österr. Landtech.* 4:83-84. Mar.1951. 58.8 L236
- 86540 HIGGINS, F. H. Baling contest at the 1885 State Fair. *Calif. Farmer, South. Ed.* 195:156-157. Aug.25,1951. 6 C126A
- Hay.
- 86541 HUMBERT, W. La conservation des fourrages par la deshydratation. *Bétail & Basse-Cour* 6:242-243. May 1951. 49 B462
- Chiefly equipment.
- 86542 JORIS. Was erwarten wir von der künstlichen trocknung? *Hannoversche Land- u. Forstwirt. Ztg.* 104: 317. Apr.7,1951. 18 H194
- Green feed.
- 86543 KAISER, W. G. Build your own milk cooling tank. *Dairy Goat J.* 29(9):4-5. Sept.1951. 40.18 M592
- 86544 LAFORTEZA, A. M. Artificial drying of combined rice in the farm projects of the Lasedeco. *Philippine Agr. Engin. J.*, First Q.1951:31-34. 58.8 Ag88
- 86545 LANTHIER, J. D. Mow driers for better hay. *Ontario Crop Impr. Assoc. Addresses & Proc.* 13:62-64. 1951. 64.9 On83
- 86546 LEDROIT, A. La batteuse individuelle, une petite batteuse à la portée de tous. *Agr. Prat.* 115:344-345. July 1951. 14 J82
- 86547 LUK'IANOV, N. Construction and operation of semiclosed separator. (In Russian.) *Moloch. Promysh.* 11(12):17-21. Dec.1950. 44.8 M734
- 86548 MYERS, J. M., KILLINGER, G. B., and BLEED SOE, R. W. Hay and seed drying with a slatted floor system. *Fla. Agr. Expt. Sta. B.* 477,46 p. May 1951. 100 F665
- Drying equipment.
- 86549 OWEN, P. The contribution of the home freezer. *Va. Fruit* 39(8):24,26. Aug.1951. 81 V81B
- 86550 PATRICK, T. L. Hay driers. *Ontario Crop Impr. Assoc. Ad dresses & Proc.* 13:57-59. 1951. 64.9 On83
- 86551 PETERSEN, H. J. Threshing of grass, turnip and Swede turnip seed. (In Danish.) *Tidsskr. f. Frøavl.* 20:237-243. July 10,1951. 61.8 T43
- 86552 SHIPMAN, R. C. Selecting a farm milk cooler. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 18:24-31. 1951. 44.9 Oh35M
- 86553 SIMON. Aus der praktischen arbeit mit dem schwedenreuter. *Allgäuer Bauernbl.* 19:241-243. May 2, 1951. 18 AL53
- 86554 SØRENSEN, J. E. Hayricks and hay harvesting (In Danish.) *Dansk Landbr.* 70:253. May 31,1951. 280.28 V91
- 86555 SURIN, P. IA. Results of testing machines on processing and preparation of feeds in the light of zootechnical requirements. (In Russian.) *Vsesoiuzn. Nauch. Issled. Inst. Kormleniya Sel'skokhoz. Zhivotn. Trudy* 1: 317-323. 1950. 389.79 D85
- 86556 SWINK, E. T. Saving money in feed grinding; the grinding of feed with electric motor has a place on many Southern farms. *South. Planter* 112(9):22-23. Sept. 1951. 6 So89

- 86557 TURNER, C. N., STEPHAN, F. P., and MOORE, W. H. Pumping molasses for grass silage. N. Y. Farm Electr. Council. Prog. Rpt. 1950(5):3 p. Mar.1951. 335.9 N485
- 86558 TYRER, T. G. Given a good spring growth 1951-52 promises to be a record silage season. New Zeal. Dairy Exporter 27(2):10-12. Aug.1951. 44.8 N484
Chiefly on equipment.
- 86559 VAN ARSDEL, W. B. Tunnel-and-truck dehydrators, as used for dehydrating vegetables. U. S. Bur. Agr. & Indus. Chem. AIC-308,30 p. May 1951. 1.932 A2Ag82
- 86560 VAN ROOYEN, D. T. Examine your cream separator. Farming So. Africa 26:209-210. June 1951. 24 So842

Repair, Maintenance, and Construction Equipment

- 86561 CHOQUETTE, C. Pressez le bétail—le nettoyeur automatique fera le reste. B. des Agr. 47(5):16-17,63-64. May 1951. 7 B872
Dairy barn cleaners.
- 86562 CONGDON, J. Barn gutter cleaner helps ease problem of labor shortage. Spur 8(6):6. June 1951. 280.28 Sp9
- 86563 KEEPERS, W. F. The practicability of the electric-powered barn cleaner. (Abs.) Assoc. South. Agr. Workers. Proc. 48:37-38. 1951. 4 C82
- 86564 MANN, D. H. He's never "broke down." Utah Farmer 71:647,655. Aug.16,1951. 6 D45
A farm shop and equipment.
- 86565 MUER. Bäuerliches werken muss gefördert werden! Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1155. Aug.9,1951. 18 L2346
Farm workshops.
- 86566 TRAYWICK, J. D. Double the life of your farm machinery and tools. Farmers Fed. News 31(12):11,14, 42. Aug.1951. 280.28 F225

Spraying and Dusting Equipment

- 86567 CENSI, G. Appareils et machines les plus adaptés pour l'application des antiparasitaires et des herbicides. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1: 280-296. 1951. 464.9 C767
French summary.
- 86568 COOPER, D. J. Wide-jet spray nozzles. Canada. Natl. Weed Comt. East. Sect. Proc. 4:62. July 1951. 79.9 C164
- 86569 CREASY, L. E., and MAYEUX, M. M. The sprayer and its use. La. Agr. Col. Ext. P. 1085,31 p. Mar.1951. 275.29 L93Ep
- 86570 DICKISON, W. N. New developments in sprayers. Chem. Specialties Mfr. Assoc. Off. Proc. 37:81-82. Dec.1950. 307.9 C42
- 86571 GALLWITZ, K. Pflanzenschutztechnik. Landtechnik 6:506-508. July 31,1951. 58.8 L235
Spraying and dusting equipment.
- 86572 KERSSEN, M. C. Experiences with the spraying-equipment of a helicopter Hiller 360. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:169-173. Mar.1951. 86 N384
English summary.
- 86573 LIEBSTER. Motorisierte karrenspritzen. Obstbauberatungsring. Mittbl. 6:5-6. Feb.1,1951. 85 Ob72
- 86574 MALETIC, J. T. Short cuts to weed killing calculations. 4. How to calibrate your spray rig. Reclam. Era 37:206-207. Sept.1951. 156.84 R24
- 86575 PONT, A. L'appareillage d'épandage des produits phytosanitaires. Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:116-124. 1951. 464.9 C767
- 86576 SCHUMACHER, G. Stand der pflanzenschutzgeräte-technik. Gesunde Pflanzen 3:85-87. May 1951. 464.8 G33
- 86577 TAYLOR, C. S. Assuring adequate spraying equipment. Sheep & Goat Raiser 31(11):60-61. Aug.1951. 45.8 Sh3
- 86578 YUILL, J. S., EATON, C. B., and ISLER, D. A. Airplane spraying for forest pest control. U. S. Bur. Ent. & Plant Quar. E-823,21 p. Aug.1951. 1.9 En83
- 86579 ZIMMER, S. J. Problems of low volume spraying machinery. World Crops 3:331-334. Sept.1951. 281.8 W892

Vehicles

- 86580 ALLOUARD, P., and CONRAD, J. L'actualité en matière de tracteurs, au début de 1951, en France. Bois et Forêts des Trop. 18/19:157-167. Second/Third Q.1951. 99.8 B632
English summary.
- 86581 BALAGOT, V. David Brown cropmaster tractor. Philippine Agr. Engin. J., First Q.1951:40. 58.8 Ag88
- 86582 BALLU, T. Auquel des tracteurs (Diesel ou à essence) faut-il donner la préférence? Monit. du Prog. Agr. et Vitic. 4(151):1,16. Mar.4,1951. 14 M744
- 86583 BOCKHORN-RAUSCHHOLZHAUSEN. Der schlepper von heute. Deut. Landwirt. Presse 74:146. June 2,1951. 18 D482
- 86584 BRENNER, W. G., and GAUS, H. Zapfwellengetriebene ackerwagen. Landtechnik 6:568-571. Aug.30, 1951. 58.8 L235
- 86585 BRICKWOOD, H. Keeping the tractor oil system clean. Power Farmer 7:129-130. Sept.1951. 58.8 P872
- 86586 CARENA, A. Recent orientations in the construction technique of agricultural tractors. (In Italian.) Ricerca Sci. 21:172-177. Feb.1951. 475 It1
English summary.
- 86587 ENGELHARD, J. Le plus petit des motoculteurs. Rustica 24:567. June 24,1951. 14 R92
- 86588 FONDARD, L. Le tracteur libère de la terre. Révell Agr. 60:226. Aug.1,1951. 14 R322
- 86589 GINDLHUBER, W. Der einachsschlepper in intensivkulturen. Österr. Landtech. 4:39-41. Feb.1951. 58.8 L236
- 86590 HAAS, H. Das motorische hubwerk—der schlüssel zur einheit von traktor und gerät. Österr. Landtech. 4:42-46. Feb.1951. 58.8 L236
- 86591 HAASE. Kleinschlepper und melkmaschine im grünlandbetrieb. Unser Milchvieh. Ausg. A 2(11):3-4. In Molk.-Ztg. 4(44). Nov.2,1950. 44.8 M735
- 86592 HAEGGBLOM, S. Preparing the tractor for the spring tillage. (In Swedish.) Lantmannen 35:298-300. Apr.14,1951. 11 L234
- 86593 HISSERICH, H. Leichte, kurze gummi-raupen kommen. Landmasch.-Rundschau 3:142-143. June 1951. 58.8 L237
- 86594 HOARE, E. R. "Horticulture" needs its own tractor. Power Farming Austral. & New Zeal. 60(6):17, 19,21,23,73,75,77,79-80. June 1951. 58.8 P87
Includes discussion.
- 86595 HOLMSTRÖM, S. Farm tractor purchases during 1950. (In Swedish.) Lantmannen 35:363-364. May 5,1951. 11 L234
- 86596 JEBERIN, H. Der ackerschlepper und seine geräte auf der DLG-Schau in Hamburg. Hannoversche Land- u. Forstwirt. Ztg. 104:568-569. June 16,1951. 18 H194
- 86597 JEBERIN, H. Der gummi-bereifte wagen, seine bedeutung für kleinfärmerliche betriebe. Hannoversche Land- u. Forstwirt. Ztg. 104:204-205. (Cont.) Mar.3, 1951. 18 H194
- 86598 KALBFLEISH, W., and others. Farm trailers, wagons and racks. Canada. Dept. Agr. P. 830,rev.,24 p. July 1951. 7 C16Pu
J. M. Armstrong, D. J. Cooper, and A. I. Magee, joint authors.
- 86599 KANZ, N. Ein kombinierter sell-erntewagen. Kärntner Bauer 101:302-303. June 1,1951. 19 K14
- 86600 KORN, W. Einachsschlepper. Landtechnik 6: 576-581. Aug.30,1951. 58.8 L235
- 86601 LANDESS, W. M. The little tractor is waiting. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 66(9):132. Sept. 1951. 6 P945K
The tractor in vegetable gardening.
- 86602 LEES, A. B. The tractor wins the war. (In Portuguese.) Agr. e Pecuaria 22(332):3,72. May 1951. 9.2 Ag89
Great Britain.
- 86603 LENGSELD. Luftbereifte ackerwagen. Landtechnik 6:491-493. July 31,1951. 58.8 L235
- 86604 LITTLE tractors become big business. New Eng. Homestead 124(3):10,14,16. Feb.10,1951. 6 N442
- 86605 MCCARTNEY, L. O. 4-H project on tractor maintenance. Co. Agent & Vo-Ag Teacher 7(6):20-21. June 1951. 275.28 N213
- 86606 MAYNE, J. E. A note on the drawbar performance of a small crawler tractor in the field. Trop. Agr. [St. Augustine] 27:221-222. July/Dec.1950. 26 T754

- 86607 MEYER, H. Schlepper. Landtechnik 6:478-481. July 31, 1951. 58.8 L235
- 86608 PREUSCHEN, G. Gespanngeräte für den aufbau am schlepper. Württemb. Wchnbl. f. Landwirt. 118:663-664. Aug. 18, 1951. 18 W96
- Also in Bad. Landwirt. Wchnbl. 118:503-504. Aug. 25, 1951. 18 B142
- 86609 PREUSCHEN, R. Der richtige schlepperreifen. Landtechnik 6:571-574. Aug. 30, 1951. 58.8 L235
- 86610 REHRL, K. Die entwicklung des traktors zum motorisierten arbeitsgerät. Österr. Landtech. 4:71-73. Mar. 1951. 58.8 L236
- 86611 REYNOLDS, P. A. Tractor maintenance; trouble with the two-stroke. Grower [London] 36:417. Sept. 1, 1951. 286.83 M34
- 86612 SAMUELSON, M. J. LPG raises fuel consumption, cuts maintenance in tractors. (Excerpts.) Soc. Auto. Engin. SAE J. 59(9):18-20. Sept. 1951. 291.9 S01 Propane.
- 86613 SHAFER, N. E., FURRER, J. D., and LOMAX, J. W. El aeroplano en la agricultura. Hacienda 46(9):37-39. Sept. 1951. 6 H11
- 86614 SIMBRIGER, F. Geräteträger contra schlepper. Landmasch.-Rundschau 3:136-138. June 1951. 48.8 L237
- 86615 SKALWEIT, H. Schleppergeräte. Landtechnik 6:481-486. July 31, 1951. 58.8 L235
- 86616 SCUTHWELL, P. H. Tractor power. Farm Mech. 3:367-370. Sept. 1951. 58.8 B772
- 86617 STAUFFER, O. Normung bei luftbereiften ackermaschinen. Landtechnik 6:574-576. Aug. 30, 1951. 58.8 L235
- 86618 STEFANELLI, G. Tractors in Italy. (In Italian.) Riv. di Econ. Agr. 6:237-247. 1951. 281.8 R52 English summary.
- 86619 STIPPLER, H. H., and MARTIN, J. W. Tractor power on irrigated farms in southern Idaho. U. S. Bur. Agr. Econ. FM-81, 116 p. July 1951. 1.941 L6F22
- 86620 WORTHINGTON, W. H. The economic evaluation of farm tractor fuels. Agr. Engin. 32:473-476. Sept. 1951. 58.8 Ag83
- 86621 YANDELL, W. M., JR. Butane and propane as a tractor fuel. (Abs.) Assoc. South. Agr. Workers. Proc. 48:42-43. 1951. 4 C82
- FARM STRUCTURES AND RURAL HOUSING**
- 86622 BEATY, J. Y. My dealer helps me plan buildings. Farm Builder, July/Aug. 1951:18-20. 296.8 F222
- 86623 BEGGE, H. E. Staubtrockene räume, keller und ställe wichtiger als schöne fassaden. Bad. Landwirt. Wchnbl. 118:455. July 28, 1951. 18 B142
- 86624 BERGER, F. Die kriegsschäden an land- und forstwirtschaftlichen gebäuden und deren behebung. Agr. Rundschau 6:31-37. Summer 1951. 280.8 Ag82 Austria.
- 86625 BOYD, J. S. Choosing a top for your buildings. Hoard's Dairyman 96:726-727, 736. Sept. 25, 1951. 44.8 H65
- 86626 FEHLE, U. Eine neuartige massivdecke. Österr. Landtech. 4:50-51. Feb. 1951. 58.8 L236
- 86627 GONZÁLEZ ARROYO, S. Aspecto economico y financiero de las construcciones agricolas. Ganaderia [Madrid] 9:281-283. (Cont.) June 1951. 49 G15 Costs.
- 86628 HANSON, D. Make your old buildings work like new. Successful Farming 49(9):50-51. Sept. 1951. 6 S12
- 86629 HECKL, R. Wir bauen zu teuer! Österr. Landtech. 4:35-38. Feb. 1951. 58.8 L236
- Animal Shelters and Animal Service Buildings**
- 86630 ANGELL, G. N. A handy dairy set-up. Oreg. Farmer 74:543. Aug. 2, 1951. 6 O32
- Dairy barn and milking parlor.
- 86631 ARCÉS, P. J. D., and RAMPON, L. Quelques conseils pour la construction du logement des animaux de ferme. IV. La construction des porcheries. Élevage et Cult. 3(27):21-25. Mar. 1951. 24 E12
- 86632 AREY, J. A. Summary. (Abs.) Assoc. South. Agr. Workers. Proc. 48:89. 1951. 4 C82
- Barn types.
- 86633 BATEMAN, G. Q. Planning the dairy barn arrangement. Farm & Home Sci. [Utah Sta.] 12:26-27. June 1951. 100 U1F
- 86634 BATES, G. H. Pigs feel the draught. Farmers Wk. [London] 35(6):49. Aug. 10, 1951. 10 F2226 Housing.
- 86635 BROWN, J. C. Remodel for comfort; nearly any kind of a building can be made over for chickens. Amer. Poultry J. 82(9):12, 22. Sept. 1951. 47.8 Am32
- 86636 CECIL, L. Ventilating lean-to houses. Mod. Poultry Keeping 65:144. Aug. 8, 1951. 47.8 Eg3
- 86637 DAIRY stable ventilation. N. Y. Farm Electrifi. Council. Prog. Rpt. 1950(4), 6 p. Mar. 1951. 335.9 N485
- 86638 DENIS, E. C. Plans, construction and costs of different type dairy barns. (Abs.) Assoc. South. Agr. Workers. Proc. 48:87-88. 1951. 4 C82
- 86639 ENSMINGER, M. E. Beef cattle shelter and equipment. Shorthorn World 36(10):100-101, 427-429. Aug. 10, 1951. 43.8 Sh8
- 86640 FRANCIS, F. C. What buildings do I need for a small start in the purebred business? What additions will I need as the herd grows? Shorthorn World 36(10):109-110. Aug. 10, 1951. 43.8 Sh8
- 86641 FRASER, E. B., and GRAVES, F. W. The all-year hog cabin. Canad. Dept. Agr. P. 618, rev. 4 p. June 1951. 7 C16Pu
- 86642 FROST, J. T. Building suggestions for beginners. Shorthorn World 36(10):110-111. Aug. 10, 1951. 43.8 Sh8
- Structures for beef cattle.
- 86643 GIBBS, R. Open sheds cut dairy costs. You'll save labor and overhead, they say in Idaho, where the man who argues against the open shed as not warm enough is regarded as tied by tradition. Country Gent. 121(9):31, 120-123. Sept. 1951. 6 C833
- 86644 GINGLES, R. Essentials of a modern dairy barn. Rur. New-Yorker 101:560-562. Sept. 15, 1951. 6 R88
- 86645 GÖTZSCHE, O. Are we going to have cooperative barns? (In Danish.) Husmandshjemmet 26:1, 8, 29. June 26, 1951. 11 H963
- Dairy barns.
- 86646 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. The bull pen. Gt. Brit. Min. Agr. & Fisheries. Fixed Equip. Farm. L. 16, 10 p. June 1951. 10 G7944
- 86647 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Sheep-dipping baths and handling pens. Gt. Brit. Min. Agr. & Fisheries. Fixed Equip. Farm. L. 14, 15 p. June 1951. 10 G7944
- 86648 HAYES, J. B. Housing your poultry. Dairy-land News 21(8):3, 15. Aug. 1951. 280.28 W752
- 86649 HECKL, R. Der standbelag. Österr. Landtech. 4:46-47. Feb. 1951. 58.8 L236
- 86650 HELVIG, R. J. Relation of barn type and structure to milk sanitation and public health. (Abs.) Assoc. South. Agr. Workers. Proc. 48:88-89. 1951. 4 C82
- 86651 HIRSCH, A. Construction innovations 'glamorize' new type hen house. Poultry Supply Dealer 28(9):12-13. Sept. 1951. 47.8 B11
- 86652 HOPSON, G. H. The advantages of the milking parlor. Certif. Milk 26(8):6-8, 17. Aug. 1951. 44.8 C33
- 86653 INGLIS, J. S. S., and ROBERTSON, A. A survey of pig-housing. Empire J. Expt. Agr. 19:202-216. July 1951. 10 Em7
- 86654 JØRGENSEN, A. The cooperative dairy barn—a reality. (In Danish.) Dansk Landbr. 70:164-165. Apr. 5, 1951. 280.28 V91
- 86655 LYMAN, C. W. Let's get out of the mud. Hoard's Dairyman 96:638-639. Aug. 25, 1951. 44.8 H65
- Paving of the barnyard.
- 86656 KALBFLEISCH, W., and WHITE, J. W. Principles of barn ventilation. Canad. Dept. Agr. P. 859, 36 p. Apr. 1951. 7 C16Pu
- 86657 LYMAN, C. W. Rebuilt and better than new; how to jack up old barn, remove rotting sills and timbers, and replace them with masonry footings and walls. Hoard's Dairyman 96:677. Sept. 10, 1951. 44.8 H65
- 86658 MCMULLEN, H. Armour-Ches-Peake—design for future? Broiler Growing 2(10):12, 51-52. Oct. 1951. 47.8 B782
- These broiler houses are a joint venture between Armour and Company and the Hastings Hatchery of Parsonsburg, Md.
- 86659 MADER, W. Ein billiger und arbeitsparender schweinestall. Österr. Landtech. 4:73-75. Mar. 1951. 58.8 L236
- 86660 MARRIOTT, D. For barn comfort-insulation and ventilation. Sealtest Dairyman 5(4):10. July/Aug. 1951. 44.8 S1
- Dairy barns.
- 86661 MARSHALL, S. P. Dairy Research Unit now boasts modern barn; seeks means of reducing labor for dairyman. Fla. Dairy News 1(3):12-13. Apr. 1951. 44.8 F66

- 86662 MATA LLANA VENTURA, S. La iluminación artificial del gallinero. Siembra [Madrid] 7(3):3-5. Mar. 1951. 15 S11
- 86663 MILLER, J. P. Roostless pens. Washcoegg 29 (3):7,20-21,24. Aug.1951. 47.8 W27
- 86664 MORSE, F. B. Ventilation problem falls before organized attack. Broiler Growing 2(10):13,55-56. Oct.1951. 47.8 B782
- 86665 O'DONOUGHUE, A. J. La ventilation dans l'étable. Digeste de l'Eleveur 5(11):27-28. July 1951. 49 D56
- 86666 PEREDA, E. Construcción de gallineros modernos. Charla Rur. 150:38-39,58. (Concl.) Apr.1951. 9 C37
- 86667 POPE, R. W. Build a barn for one-third less. Wood Construct. 37(9):26-27. Sept.1951. 99.81 W852
- Pole barn construction.
- 86668 RAIMO, H. F. Design of a shelter for a thousand layers. (In Portuguese.) Rev. dos Criadores 22:18-19. Jan.1951. 43.8 R32
- 86669 SANDY, M. Modern methods of poultry keeping. III. Living conditions of the creatures. (In Portuguese.) Agr. e Pecuaria 22(332):10,36. May 1951. 9.2 Ag89
- Housing and equipment.
- 86670 SPOONER, H. L. This barn was remodeled for grade-A dairying. Successful Farming 49(9):15. Sept.1951. 6 Su12
- 86671 TAYLOR, J. C. New homes for new pullets. N. J. Farm & Gard. 22(9):34,40-41. Sept.1951. 6 G162
- 86672 TOMEY, A. Clean houses—healthy birds. Farmers Wk. [London] 35(9):55. Aug.31,1951. 10 F2226
- 86673 WATSON, D. S. Hurd's Holsteins have happy home; up-to-date barn saves both time and money. New Eng. Homestead 124(14):8-9. July 28,1951. 6 N442
- 86674 WOOLEY, J. C. Obsolescence can be cured. Farm Builder, July/Aug.1951:8-11. 296.8 F222
- Barns.
- 86675 ZOFFOLI, A. Hygiene in the stall. (In Italian.) Romagna Agr. e Zootec. 36(8):5. May 1951. 16 R66
- Cattle housing.

Farmhouses and Farmsteads

- 86676 CAMPBELL, K. We started with a shack. Country Gent. 121(9):148,162. Sept.1951. 6 C833
- 86677 DACOMBE, U. Ulster's farm of the future. Farmers Wk. [London] 35(4):64-65. July 27,1951. 10 F2226
- Agricultural progress displayed at the Ulster Farm and Factory Exhibition. Includes the farmhouse of the future.
- 86678 DEAN, W. T. Housing farm family. (Abs.) Assoc. South. Agr. Workers. Proc. 48:28. 1951. 4 C82
- Research.
- 86679 DIJK, L. J. VAN. The allotment of houses for the agrarian country, especially for the province of North Holland. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 42:127-136. Ref. May/June 1951. 280.8 T44
- English summary.
- 86680 DOANE AGRICULTURAL DIGEST. Your family deserves the most modern home you can afford to give them. Farmer-Stockman 54(8):11. Aug.1951. 6 Ok45
- 86681 GEROCK, E. Eine neuzeitliche bauernküche. Württemb. Wchnbl. f. Landwirt. 118:686-687. Aug.25, 1951. 18 W96
- 86682 KAY, P. A Louisiana method of teaching housing. (Abs.) Assoc. South. Agr. Workers. Proc. 48:107-108. 1951. 4 C82
- 86683 KITE, G. D. A practical house and farm building plan service. (Abs.) Assoc. South. Agr. Workers. Proc. 48:30-31. 1951. 4 C82
- 86684 MEAD, C. M. We help farm families plan their homes. Agr. Leaders' Digest 32(8):14-15. Sept. 1951. 275.28 Am3
- Extension Service in Hamilton County. Nebraska.
- 86685 MITCHELL, J. It won't cost you a cent to have a better kitchen. Successful Farming 49(9):44-45, 86-87. Sept.1951. 6 Su12
- Rearrangement of equipment and supplies.
- 86686 MORIN, G. Farmhouse planning in New York State. N. Y. Agr. Col. Cornell Misc. B. 10,32 p. Feb. 1951. 275.29 M48Cm
- 86687 NICKELL, P., and others. Farm family housing needs and preferences in the North Central Region. Iowa. Agr. Expt. Sta. Res. B. 378,173 p. Feb.1951. 100 Io9
- M. Budolfson, M. Liston, and E. Willis, joint authors.

- 86688 PICO, R., and others. La vivienda en El Salvador. Inst. de Estud. Econ. Rev. de Econ. de El Salvador 1:197-231. Jan./Dec.1950. 280.9 Sa52
- A. Solow, W. O. Harris, and H. G. Pope, joint authors. Includes rural housing and settlement.
- 86689 ROBISON, M. F. No help problem on this farm. Farm Builder, July/Aug.1951:12-15. 296.8 F222
- Farmhouse plans.
- 86690 SANZ, F. Viviendas que cuestan treinta pesetas al mes. Siembra [Madrid] 7(1):20-23. Jan.1951. 15 S11
- Spain.
- 86691 TATE, M. T. Housing and the child. (Abs.) Assoc. South. Agr. Workers. Proc. 48:106-107. 1951. 4 C82
- Rural housing.
- 86692 TAYLOR, P. S. Perspective on housing migratory agricultural laborers. Land Econ. 27:193-204. Ref. Aug.1951. 282.8 J82
- 86693 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Farmhouses for the North. U. S. D. A. L. 311,4 p. June 1951. 1 Ag84L
- 86694 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Farm houses as farm families want them, by L. S. Thye and K. M. Gapen. Washington, 1951. 3 p. 1.941 R2R11
- 86695 U. S. FARMERS HOME ADMIN. Minimum standards for farm buildings, for use in construction with Farmers Home Administration loans. Washington, 1951. 27 p. 1.949 M66
- Mainly construction standards for dwellings.

Greenhouses and Plant Service Buildings

- 86696 DEWERTH, A. F. Further trials on the comparative value of forcing structures in the Southwest. (Abs.) Assoc. South. Agr. Workers. Proc. 48:115-116. 1951. 4 C82
- Ornamentals.
- 86697 MATTERN, J. D. Experiments in greenhouse humidity. Amer. Orchid Soc. B. 20:536-537. Sept.1951. 80 Am329
- 86698 NOEL, E. Ventilation. MGA Bulletin 23:121-122. Apr.1951. 80 M97
- For mushrooms.
- 86699 SCHELLER, K. Erfahrungen aus dem gebiet der gewächshaus-heizung. Gärtnermeister 54:177-178. June 7,1951. 80 G1939

Materials and Methods

- 86700 HECKL, R. Der leichtlehm, ein mittel verbilligter bauweise. Österr. Landtech. 4:78-80. Mar.1951. 58.8 L236

Storage Structures

- 86701 BATES, D. W., and DAVIS, H. R. Potato storage ventilation with electric fans. N. Y. Farm Electr. Council. Prog. Rpt. 1950(6),2 p. Mar.1951. 335.9 N485
- 86702 BROOKFIELD, M. B. Forage elevator. N. Y. Farm Electr. Council. Prog. Rpt. 1950(3),31 p. Mar. 1951. 335.9 N485
- 86703 CAVERO, M. El silo de Córdoba, su inauguración y características. Agricultura [Madrid] 20:331-335. July 1951. 15 Ag84
- 86704 DETTMER, F. Der bau von obstlagerhäusern und obstkühlhäusern im niederelbischen obstbaugbiet. Landpost 5(23):8. June 9,1951. 18 L2348
- 86705 GILMAN, W. So you want a trench silo. New Eng. Homestead. 124(15):6,15. Aug.11,1951. 6 N442
- 86706 HAASE. Häckselhöfe auf der Constructa Bauausstellung Hannover. Landwirtbl. Weser-Ems 98:655-656. July 26,1951. 18 L2345
- Straw storage structures.
- 86707 MANN, D. H. Spud storage; research on the subject confirms the old belief that the vital ingredients are know-how, good equipment. Idaho Farmer 69:607,620. Aug.16,1951. 6 G282
- 86708 MAUCH, A., and VAHL, E. V. Die erfahrungen mit den neuen lagerhäusern und ihre verbesserungsmöglichkeiten. Obstbauversring. Mitt. 6:78-79. (Cont.) May 1951. 85 J76
- 86709 MERRILL, E. D. Self-feeding silos show promise. Amer. Agr. 148:482-483. Sept.1,1951. 6 Am3
- 86710 PEENS, J. F. Buildings for the curing and handling of tobacco. Farming So. Africa 26:203-204. June 1951. 24 So842
- 86711 ROBINSON, M. How we concreted our trench silo. Amer. Agr. 148:512. Sept.15,1951. 6 Am3

86712 WILLIAMS, C. F. Fuel, oil, and grease storage. Ark. Agr. Col. Ext., Ext. Plan. Ser. 23,4 p. Apr. 1951. 275.29 Ar4Fo
A structure to store farm machinery fuels and lubricants.

Walls and Fences

- 86713 BLATTMANN, W. Das "beste" elektrozaun-gerät! Neue Mitt. f. die Landwirt. 6:383-384. June 9, 1951. 18 N39
86714 BUJAN, J. Reparación de cargadores aéreos y electrificación de cercos y alambrados. Charla Rur. 150:16-17. (Cont.) Apr. 1951. 9 C37
86715 HULL, D., and MUNSON, G. How to build a fence that lasts. Successful Farming 49(9):144,146-148. Sept. 1951. 6 S12
86716 LANDTECHNIK. Sonderheft "der elektrozaun." Landtechnik 6:517-559. Aug. 15, 1951. 58.8 L235
86717 MARTENS, K. Elektrobaumschutz für schweine- und kälberweiden. Obstbauberatungsring. Mittbl. 6(3):7-8. June 1, 1951. 85 Ob72
86718 MATALLANA VENTURA, S. Cerramientos rusticos y ornamentales. Spain. Min. de Agr. Serv. de Capacitación y Propag. P. Manuales Téc. 12,163 p. Ref. 1951. 15 Sp14
86719 SCHÜTZHOLD, G. Der elektrozaun—ein wegbereiter zur intensiven grünfutternutzung. Unser Milchvieh 3(8):5-6. Aug. 1951. 43.8 Un7
86720 ZIMMERMAN, R. E. How to use electric fence. Prog. Farmer, Tex. Ed. 66(9):62-63. Sept. 1951. 6 T311

FARM UTILITIES

Electricity and Electrification

- 86721 AIKEN, G. D. Rural electrification—a program in danger. Rur. Electrification. 9(12):26,61. Sept. 1951. 335.8 N21
86722 BECKER, A. E. Some practical values in rural electrification training. Rur. Electrification. Job Training & Safety Conf. 8:20-22. 1950. 1.933 R8827
86723 BRANNAN, C. F. The common strength of free men. Washington, U. S. D. A., Off. Sec., 1951. 11 p. 1.91 A2B73
Talk at dedication of the Flambeau River Station, Dairyland Power Cooperative, Ladysmith, Wis., Aug. 26, 1951.
Rural Electrification Administration cooperatives.
86724 BRISCOE, S. Farm power still requires struggle. Rur. Electrification. 9(12):27,60. Sept. 1951. 335.8 N21
86725 DAIRYLAND POWER COOPERATIVE. Annual report for the year ending December 31, 1950. La Crosse 1951. 28 p. 335.9 D14
86726 HOTCHIN, E. E. Abuses of electrical devices on the farm. Mutual Ins. B. 38(3):5-7. Mar. 1951. 284.68 M983
86727 LEIFER, N. F. Rural wiring. Internatl. Assoc. Elect. Insp. News-B. 23(5):22,35. Sept. 1951. 335.9 In8
86728 MCKILLOP, I. T. Trends in R. E. A. Rur. Electrification. Job Training & Safety Conf. 8:10-15. 1950. 1.933 R8827
86729 MILLER, J. H. Revamp that wiring; overloaded circuits cause many fires in rural homes. Carolina Farmer 6(8):14-15,22-23. Aug. 1951. 6 C233
86730 MÖLLER, T. Protection against electric current in the water pipes in the barn. (In Swedish.) Lantmannen 35:361-362. May 5, 1951. 11 L234
86731 NEW YORK FARM ELECTRIFICATION COUNCIL. 1950 progress report. Ithaca, 1951. various paging. 335.9 N485
Have also 1949 report, published Mar. 1950.
86732 RURAL ELECTRIFICATION JOB TRAINING AND SAFETY CONFERENCE, 8, SPRINGFIELD, 1950. Report. Washington, U. S. Rur. Electrification. Admin., 1950. 47 p. 1.933 R8827
U. S. Office of Education, Vocational Division, Trade and Industrial Education Service cooperating.
86733 SMITH, B. Electricity for boys and girls. Farmers Fed. News 31(12):24-25. Aug. 1951. 280.28 F225
86734 SMITH, R. C. Increased power use is key to all-out farm production. Rur. Electrification. 9(12):21-22. Sept. 1951. 335.8 N21
86735 STEANSON, O. Electricity on farms. (Abs.) Assoc. South. Agr. Workers. Proc. 48:15. 1951. 4 C82
86736 THOMAS, E. Approval of Arkansas steam plant is victory for rural electricians. Rur. Electrification. 9(12):42. Sept. 1951. 335.8 N21

86737 WEITZELL, E. C. Accomplishments of REA and the job ahead. Washington, U. S. Rur. Electrification. Admin., 1951. 12 p. 173.2 R88We
Presented at Field Conference, Salt Lake City, June 25-29, 1951.
86738 WICKARD, C. R. Developing power for the people. Washington, U. S. Rur. Electrification. Admin., 1951. 3 p. 1.91 A2W63
Talk at the dedication of the Flambeau Hydro-Electric Station, Ladysmith, Wis., Aug. 26, 1951.
Development of hydroelectric power.

Heating, Lighting, and Radiation

- 86739 BELL, M. Light to see. Ark. Agr. Col. Ext. C. 451, rev., 12 p. June 1951. 275.29 Ar4
86740 CAMPBELL, J. C. Selecting a heating system for your home. Oreg. State Col. Ext. B. 720, 44 p. Aug. 1951. 275.29 Or32B
86741 GIMBEL, H. Die warmwasserbereitung im bauernhaus. Österr. Landtech. 4:92-93. Mar. 1951. 58.8 L236
86742 SEIFERT, A. Verbrennungsmotoren für die landwirtschaft. Landtechnik 6:486-491. July 31, 1951. 58.8 L235
86743 SERS, J. Que peut-on esperer du gaz de fumier? Rustica 24:545,571. June 17-24, 1951. 14 R92

Power Plants Motors and Engines on the Farm

- 86744 NETTLETON, A. These windmills still turn. Co-op. Home Mag. 56(4):13. Apr. 1951. 280.28 W563
Great Britain.

Sewage and Waste Disposal

- 86745 BENDIXEN, T. W., and WEIBEL, S. R. Study on septic tanks and septic tank disposal systems. Agr. Engin. 32:499-500,502,504. Sept. 1951. 58.8 Ag83
86746 LEECH, R. S. Septic tank sewage disposal systems for farm and suburban homes. Ind. State Bd. Health Mon. B. 54:102-103,116. May 1951. 44.7 In2M
86747 MORALES LUPIANEZ, J. M. Saneamiento de un edificio rural. Campo [Sevilla] 10(109):11-12. Apr. 1951. 15 C15
Construction of a septic tank.
86748 SOMMERS, B. K. Sewage disposal in rural areas. Rur. New-Yorker 101:520-521. Sept. 1, 1951. 6 R88

Water Supply

- 86749 DIETRICH, L. Einfache wasserförderung mittels seilriehe im bergland. Österr. Landtech. 4:91. Mar. 1951. 58.8 L236
86750 GUSTAFSSON, Y. Vatten och avlopp i landsbygdsfastigheter [Water and drain on rural properties]. Stockholm, Lantbruksförbundets Tidskriftsaktiebolag, 1951. 183 p. 292 G97
86751 INDIANA PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Safe water supplies for farm and suburban homes. Purdue U. Agr. Ext. B. 363, 32 p. 1951. 275.29 In2E
Indiana State Board of Health cooperating.
86752 LISTON, M. I. Your water supply—from bucket or faucet? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 6:28-29. Aug. 1951. 275.28 Io94
Water systems on Iowa farms.
86753 SCHAUS, R. Drouth planning pays off! West. Livestock J. 29(48):107-110. Aug. 15, 1951. 6 F2278
Water hauling and storage system on a ranch in Arizona.
86754 U. S. RURAL ELECTRIFICATION ADMIN. Keep your electric water system in service. U. S. D. A. PA-171, 7 p. May 1951. 1 Ag84Pro
86755 VAN DER MERWE, P. J. The "waterhole" and the well. (In Afrikaans.) Landbouweekblad 33(1669):40-41. July 11, 1951. 24 L232
86756 VORNDRAN, A. F., JR. Water wells on the farm. Rur. New-Yorker 101:490-491. Aug. 18, 1951. 6 R88

AGRICULTURAL PRODUCTS: PROCESSING,
DISTRIBUTION, AND STATISTICS

GENERAL

- 86757 BCSE, P. K. Food and agricultural condition in West Bengal. *Bot. Soc. Bengal. B.* 4:25-28. Apr.1950. 451 B659
- 86758 JOB, T. J. Aquiculture in relation to food and people. *Bot. Soc. Bengal. B.* 4:33-38. Apr.1950. 451 B659
- 86759 LUNA ERCILLA, C. A. La explotación rural en los Mogotes Colorados de La Rioja. *Pampa Argentina* 24 (280):15,20. Apr.1951. 9 P19
Vegetation and crops produced.
- 86760 MUKERJI, K. P. Agricultural products of Ceylon. *Ceylon Trade J.* 16:253-258. May 1951. 286.8 C333
- 86761 PASSMORE, R. Famine in India, an historical survey. *Lancet* 261:303-307. Ref. Aug.18,1951. 448.8 L22
- 86762 RICHTER, J. H. The world still needs more food. (Sum.) *Farm Policy Forum* 4(9):5-9. Sept.1951. 281.8 F2274
- 86763 SARBADHIKARI, P. C. Importance of fundamental research in food production. *Bot. Soc. Bengal. B.* 4:47-48. Apr.1950. 451 B659
- 86764 UKIL, A. C. Nutritional, social and health aspects of the food and population problem in India. *Bot. Soc. Bengal. B.* 4:85-87. Apr.1950. 451 B659
- 86765 WATSON, J. S. Let us guard the future; population pressure and food resources. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 4(57):1-3. Aug.10,1951. 281.8 Ag3

ANALYSIS AND COMPOSITION

- 86766 CARTWRIGHT, L. C., and KELLEY, P. H. Sharper flavor ratings with improved profile test. *Food Engin.* 23(9):71-73,215. Ref. Sept.1951. 389.8 F737
- 86767 CLIFFORD, P. A. Report on parathion. *Assoc. Off. Agr. Chem. J.* 34:533-536. Aug.15,1951. 381 As7
Determination of spray residues.
- 86768 COOK, J. W. Report on enzymes. *Assoc. Off. Agr. Chem. J.* 34:539-541. Aug.15,1951. 381 As7
Determination.
- 86769 COTRONEO, G. The content of methoxyl in determination of lignin. (In Italian.) *Ann. di Chim.* 41:446-454. June 1951. 385 An7
Lignin in plants.
- 86770 DAVIES, L. Fighting the food adulterators, how the public analyst and his sampling officers work. *Better Health* 24:355-356. Sept.1951. 449.8 B46
Great Britain.
- 86771 DAWSON, E. H., and HARRIS, B. L. Sensory methods for measuring differences in food quality; review of literature and proceedings of conference. *U. S. D. A. Agr. Inform. B.* 34,134 p. Ref. Aug.1951. 1 Ag84Ab
- 86772 GREGORY, R. L., MORRIS, C. J., and ELLIS, G. H. Some modifications in the ortho-nitrosocresol method for the determination of cobalt. *Assoc. Off. Agr. Chem. J.* 34:710-716. Aug.15,1951. 381 As7
- 86773 HARTOG, C. DEN, and MIRANDA, H. DE. The organoleptic testing of food. (In Dutch.) *Voeding* 12:253-256. July 15,1951. 389.8 V85
- 86774 HARTSELL, S. E. The longevity and behavior of pathogenic bacteria in frozen foods: the influence of plating media. *Amer. J. Pub. Health* 41:1072-1077. Ref. Sept.1951. 449.9 Am3J
- 86775 HEINEN, E. J., and BENNE, E. J. Report on zinc in plants. *Assoc. Off. Agr. Chem. J.* 34:692-697. Aug.15,1951. 381 As7
- 86776 HOFFPAUR, C. L. Report on starch in plants. *Assoc. Off. Agr. Chem. J.* 34:698-700. Aug.15,1951. 381 As7
- 86777 KLEIN, A. K. Report on mercury. *Assoc. Off. Agr. Chem. J.* 34:529-533. Aug.15,1951. 381 As7
- 86778 KUNZE, F. M., and LAUG, E. P. Report on methoxychlor: the separation of DDT and methoxychlor and the analytical determination of each component. *Assoc. Off. Agr. Chem. J.* 34:537-539. Aug.15,1951. 381 As7
- 86779 MATHIS, W. T. Report on spectrographic methods. *Assoc. Off. Agr. Chem. J.* 34:604-606. Aug.15, 1951. 381 As7

- 86780 MILLER, E. J. Report on plants. *Assoc. Off. Agr. Chem. J.* 34:691-692. Aug.15,1951. 381 As7
Analysis.
- 86781 PATTERSON, W. I. Report on decomposition and filth in foods (chemical indices). *Assoc. Off. Agr. Chem. J.* 34:497. Aug.15,1951. 381 As7
- 86782 WICHMANN, H. J. Report on metals, other elements, and residues in foods. *Assoc. Off. Agr. Chem. J.* 34:524-529. Aug.15,1951. 381 As7
- 86783 WILLIAMS, K. T., and BEVENUE, A. Report on sugars in plants. *Assoc. Off. Agr. Chem. J.* 34:700-701. Aug.15,1951. 381 As7
- 86784 WILLITS, C. O., and OGG, C. L. Report on standardization of microchemical methods. *Assoc. Off. Agr. Chem. J.* 34:607-620. Aug.15,1951. 381 As7
- 86785 WINKLER, W. O. Report on hydrocyanic glucosides. *Assoc. Off. Agr. Chem. J.* 34:541-548. Aug.15, 1951. 381 As7
- 86786 ZHURAVLEV, E. M. Effect of carotene concentration on the accuracy of its determination by Dubosk's colorimeter. (In Russian.) *Vsesoiuzn. Nauch. Issled. Inst. Kormleniia Sel'skokhoz. Zhivotn. Trudy* 1:164-167. 1950. 389.79 D85

CONSUMPTION AND UTILIZATION

- 86787 BURK, M. C. Changes in the demand for food from 1941 to 1950. *J. Farm Econ.* 33:281-298. Aug.1951. 280.8 J822
- 86788 CSEPINSZKY, A. L'effet de la modification des prix et des salaires sur la consommation de certains produits alimentaires. (In Czech.) *Hungary. Központi Statis. Hivatal. Magyar Statis. Szemle* 3:236-243. Mar. 1951. 266.5 St2M
- 86789 LIEBMANN, A. J. Blood plasma substitutes. *Chemurg. Digest* 10(9):7-8. Sept.1951. 381 N213Na
- 86790 MCMILLEN, W. Idaho: chemurgic successes—prospects. *Chemurg. Digest* 10(9):back cover. Sept.1951. 381 N213Na
- 86791 ROKAHR, M. Presenting agricultural policy information to the people of the South; a home economist's viewpoint. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:165. 1951. 4 C82
Consumer information.
- 86792 TEUTON, F. L. New uses for farm products. *Washington? U. S. Bur. Agr. & Indus. Chem.*, 1951. 13 p. 1.98 T29
Address before the 4th Indiana Summer Agricultural Conference at Purdue University, Aug. 1 and 2, 1951.
- 86793 TOI, K. Consumption of farm products and agricultural developing programs on worldwide scale. (In Japanese.) *Nogyo Sogo Kenkyu* 5:1-43. Jan.1951. 22.5 N687
English summary, p. 1-3.

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 86794 AGUILAR URANGA, M. El movimiento de artículos de primera necesidad, por los Ferrocarriles Nacionales de México. *Rev. de Econ.* 14:164-170. June 1951. 280.8 R3293
- 86795 ALLEN, C. W. How is research in marketing being done—how should it be done? (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:121-122. 1951. 4 C82
- 86796 BEUKERING, C. H. J. VAN. Review of regulations on food distribution in West Germany. (In Dutch.) *Landb. Wereldnieuws* 6:457-459. July 21,1951. 12 L237
- 86797 BRUNK, M. E., and THOMPSON, J. C. Maximizing worker productivity through evaluation of its components—a hypothesis. *J. Farm Econ.* 33:381-388. Aug. 1951. 280.8 J822
In marketing and farm management research.
- 86798 CROW, W. C. Motortruck transportation and agricultural prosperity of the South. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:129-130. 1951. 4 C82
- 86799 DALY, J. F. Cooling of refrigerator cars. *Ice & Refrig.* 121(3):13-15. Sept.1951. 295.8 Ic2
- 86800 FINCH, M. S. Cannery sales problems. *Canning Trade* 74(8):7-8. Sept.10,1951. 286.83 T67
- 86801 GUERCHY, J. DE. La traite des produits en Afrique Noire. *Marchés Colon.* 7:2051-2052. July 28, 1951. 286.8 M33
Marketing of agricultural products.
- 86802 HAHN, Mehr absatz-genossenschaften? *Deut. Landwirt. Presse* 74:125. May 5,1951. 18 D482
- 86803 HASSELBACH, W. VON. Staatshilfe und selbsthilfe am deutschen agrarmarkt. *Neue Mitt. f. die Landwirt.* 6:227-229,245-246. Apr.14-21,1951. 18 N39

86904 HILLHOUSE, W. F. Agricultural futures market in United States active last year. Foreign Trade 10: 235-236. Aug. 18, 1951. 286.8 C162

86905 KRISTENSEN, J. Advertising in the service of agriculture. (In Danish.) Dansk Landbr. 70:355-356. Aug. 2, 1951. 280.28 V91

86906 LASHLEY, F. A. Commercial displays. Ontario Crop Impr. Assoc. Addresses & Proc. 13:142-144. 1951. 64.9 On83

86907 LITTLE, W. V. How others do it. (Sum.)

Amer. Dry Milk Inst. Briefly 26:16-17. 1951.

44.9 Am35Br

Warehousing to stabilize markets.

86908 MATOBA, T. Soviet Union farm produce procurement system. (In Japanese.) Nogyo Sogo Kenkyu 5: 181-222. Jan. 1951. 22.5 N687

English summary, p. 12-15.

86909 MYERS, H. L. Technological developments in the marketing and processing of food products. (Abs.) Assoc. South. Agr. Workers. Proc. 48:120. 1951. 4 C82

86910 NATIONAL FOOD BROKERS ASSOCIATION.

Directory of members. Washington, 1951. 164 p.

225 N219

86911 NEW YORK PRODUCE EXCHANGE. Annual report, 1950-1951. New York, 1951. 31 p. 287 N482

86912 OTTEN, C. J., SERRA, G., and MORELL, B. M. Marketing facilities for farm and related products at San Juan, Puerto Rico. U. S. D. A. Agr. Inform. B.60, 169 p. July 1951. 1 Ag84Ab

86913 SETTEN, G. VAN. National organizations. (In Dutch.) Netherlands. Landbouwlichtingsdienst. Maandbl. 8:261-264. July 1951. 12 N383M

Marketing.

86914 SPEE, F., GRAF VON. Gedanken zum marktgeschehen. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A: 1055-1056. July 19, 1951. 18 L2346

86915 SUPER MARKET INSTITUTE. Proceedings of the 14th annual convention Stevens Hotel, Chicago, Ill., May 13-17, 1951. Chicago, 1951. 133 p. 286.29 Su7

86916 TODD, B. J. Market relationships in South Carolina. (Abs.) Assoc. South. Agr. Workers. Proc. 48: 122-123. 1951. 4 C82

86917 TRAMONTE, S. The Bari mercantile exchange. (In Italian.) Cam. di Com. Indus. e Agr. Bari. B. Settimanale dei Prezzi alla Borsa Merci 3(31):2. Aug. 1, 1951

287 B232B

Marketing of agricultural products.

86918 UNGER, W. Zur sicherung der ausnahmsrechte in übergabverträgen. Pflug 4:92. Apr. 1951. 19 P48

Austria.

86919 U. S. BUR. OF AGRICULTURAL ECONOMICS. Transportation of selected agricultural commodities to leading markets by rail and motortruck, 1939-50, by E. Limmer. Washington, 1951. 42 p. 1.941 M2168

86920 U. S. PRODUCTION AND MARKETING ADMIN. The wholesale market for fruits, vegetables, poultry, and eggs at Savannah, Ga., by O. Rauchsvalbe, R. F. Burdette, F. L. Faber, A. B. Lowstuter, L. E. Farmer, and N. M. Penny. Washington, 1950. 66 p. 1.956 M433W626

86921 U. S. PRODUCTION AND MARKETING ADMIN. The wholesale produce market at Nashville, Tenn., by G. E. Turner, F. L. Faber, and A. B. Lowstuter. Washington, 1951. 60 p. 1.956 M343W6224

86922 U. S. PRODUCTION AND MARKETING ADMIN. The wholesale produce market at Winston-Salem, N. C., by S. D. Clark, G. S. Abshier, and G. R. Cassell. Washington, 1951. 28 p. 1.956 M343W6222

86923 WHITE, B. S., JR. Principal problem areas in marketing research. (Abs.) Assoc. South. Agr. Workers. Proc. 48:120-121. 1951. 4 C82

86924 WINTER, J. C. Research in the trucking of perishable products. Calif. Fruit News 124(3296):8-10. Sept. 8, 1951. 80 C12

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

86925 BRINDZE, R. Are we buying poisoned foods? J. Living 17(4):3-9. Oct. 1951. 389.8 J822

Adulteration.

86926 CLARK, F. L. G. When sweets were poison—and tea 'second-hand'! Better Health 24:333-335. Aug. 1951. 449.8 B46

Food adulteration.

86927 CONNER, J. D. Spray residue hearings and the Congressional investigation. Chem. Specialties Mfr. Assoc. Off. Proc. 37:72-75. Dec. 1950. 307.9 C42

86928 CONNER, J. D. Toxicity hearings; report on FDA hearings at Washington investigating insecticide residues in foodstuffs. Chem. Specialties Mfr. Assoc. Off. Proc. 36:84-85, 116. June 1950. 307.9 C42

86929 DAUBNEY, C. G. Food controls in Great Britain. II. Food Mfr. 26:349-354. Sept. 1, 1951.

389.8 F736

86930 FINCKE, H. Eine wichtige vorarbeit zu einer verordnung über die chemische konservierung der lebensmittel. Zucker- u. Süßwaren-Wirt. 4:591-593. Aug. 5, 1951. 286.86 Z8

86931 FISHER, H. J. The 54th report on food products and the 42nd report on drug products, 1949. Conn. (State) Agr. Expt. Sta. B: 549.67 p. Apr. 1951. 100 C76S1

Regulation.

86932 FRITZSCHE, K. Ueber eine lebensmittelvergiftung durch Bacterium pullorum in Koblenz. Lebensmitteltierarzt 2:103-105. July 1951. 41.8 L49

86933 HAMENCE, J. H. Adulteration and its control, past, present and future. Brit. Food J. 53:72-74. (Cont.) Aug. 1951. 389.8 B77

86934 NANDI, P. Microbiological decomposition of food stuffs during storage. Bot. Soc. Bengal. B. 4:69-71. Apr. 1950. 451 B659

86935 OSER, B. L. Toxicity of chemicals in foods should be judged by independent board of experts. (Sum.) Food Processing 12(9):32. Sept. 1951. 389.8 F7325

86936 PERRY, H. A. Food hygiene: theory and practice. Roy. Sanit. Inst. J. 71:512-526. Sept. 1951. 449.9 R812

Includes discussion.

Great Britain.

86937 ROBINSON, R. A. More or fewer food and drugs authorities? Brit. Food J. 53:71-72. Aug. 1951. 389.8 B77

86938 ROCASOLANO, C. Higiene de los alimentos. Cult. Mod. 34:212. June 1951. 15 C89

86939 THOMAS, A. G. Research on the effects of insecticides on the food treated. (In Italian.) Agenzia Romana Note e Inform. Agr. 59:1-2. Aug. 14, 1951.

281.8 Ag3

Residues on fumigated foods.

86940 TRESSLER, D. K., and PEDERSON, C. S. A sound basis for frozen food standards. Food Packer 32(9):20-21, 44-45. Sept. 1951. 286.83 C165

86941 TURNER, N. Murder by monopoly. Veg. News 20:47-50. Summer 1951. 398.8 V523

Chemical contamination of food.

86942 U. S. CONGRESS. HOUSE. SELECT COMMITTEE TO INVESTIGATE THE USE OF CHEMICALS IN FOOD PRODUCTS. Chemicals in food products. Hearings, 82d Cong., 1st sess. created pursuant to H. Res. 74; pt. 1, Apr. 12, 13, 17, 24, May 1, 2, 3, 8, 10, 11, 15, 17, 22, 24, June 6, 7, 12, 14, and 19, 1951. Washington, 1951. 582 p.

PACKING AND PACKAGING

86943 FLUGGE, S. L. Can linings. Canning Trade 74(9):6-8. Sept. 17, 1951. 286.83 T67

86944 GRUNDY, A. V., and RUBINATE, F. Military packaging. Food Engin. 23(9):111-114, 176. Sept. 1951. 389.8 F737

Food.

PRICES, PRICE CONTROL, AND RATIONING

86945 BARROS, H. DE. Fixing of agricultural prices and economic studies. (In Portuguese.) Vida Agr. [Lisboa] 14(83):1-2. May/June 1951. 15.5 V66

86946 BOOTH, J. F. The Canadian agricultural price support programme. Canad. J. Econ. & Politt. Sci. 17:334-343. Aug. 1951. 280.8 C162

86947 BORGOMANERO, F. Premises to the discussion of an agricultural price policy. (In Italian.) Agr. delle Venezie 5:279-282. June 1951. 16 Ag826

86948 BOWES, C. G. The lesson of OPS. Natl. Grocers B. 38(9):42, 80. Sept. 1951. 286.83 N214

86949 BRINSER, A. A history of the administration of rationing in the United States in the second World War, v. 1. Prelim. draft. n. p., 1951. 298, xlviii p. 280.12 B772

Study undertaken by Harvard University.

86950 CALIFORNIA. BUR. OF MARKET NEWS. Market and farm price averages of hay, grain and feed and butter in California (historical series), Los Angeles, 1950 summary. Sacramento, 1951. 7 p. 284.39 C12

- 86851 COOLEY, H. D. Quien dice que los agricultores se estan haciendo ricos? Rev. del Café 7:22-24, 26. July 1951. 8 R3295
Farm prices.
- 86852 DEGRAFF, H. Beef and food controls will lead to reduced production for America. N. Mex. Stockman 16(9):99-100. Sept. 1951. 49 N462
- 86853 DRUMMOND, W. M. Objectives of an agricultural price support policy. Canad. J. Econ. & Polit. Sci. 17:344-351. Aug. 1951. 280.8 C162
- 86854 GRUBER, H. So geht es nicht weiter! Kärntner Bauer 101:299-300. June 1, 1951. 19 K14
Price problems.
- 86855 HEATH, W. E. Agricultural price policy in the United Kingdom. J. Farm Econ. 33:311-319. Ref. Aug. 1951. 280.8 J822
- 86856 HOLMSTRÖM, S. Agricultural price policy in Sweden. J. Farm Econ. 33:336-345. Aug. 1951. 280.8 J822
- 86857 HOOS, S. Relations between agricultural price policy and marketing research. J. Farm Econ. 33:357-368. Aug. 1951. 280.8 J822
- 86858 LINN, S. Price see-saw is unfair—it penalises one type of farming against another instead of encouraging all-round production. Farmers Wk. [London] 35(8):52. Aug. 24, 1951. 10 F2226
In Great Britain.
- 86859 PAARLBERG, D. It's time for a new look at parity. Successful Farming 49(9):39, 124-127. Sept. 1951. 6 Su12
- 86860 PEYRONNET, C. Les prix agricoles dans l'ensemble des prix. Rev. Agr. de l'Afrique du Nord 49:470-475, 552-555, 569-570. June 22, July 27-Aug. 3, 1951. 80 R326
- 86861 STOYE, C. Der brotkorb wird höher gehängt. Verbraucher 5:215-216. May 12, 1951. 280.28 K833
Bread prices in Germany.
- 86862 VROOMAN, C. W. Price discrimination with fixed supply. J. Farm Econ. 33:413-414. Aug. 1951. 280.8 J822
Price analysis.
- 86863 WILCOX, W. W. Farm price supports and the retail price of food since World War II. J. Farm Econ. 33:415-418. Aug. 1951. 280.8 J822

PROCESSING AND STORAGE

- 86864 AMERICAN WAREHOUSEMEN'S ASSOCIATION. Proceedings of the sixtieth annual meeting held at the Hotel Statler, Boston, Mass., February 5-8, 1951. Washington, 1951. 539 p. 297.9 Am32
- 86865 BAUMGARTNER, E. Von der technologie leicht verderblicher lebensmittel in den Vereinigten Staaten von Amerika. Grüne 79:931-942. Aug. 24, 1951. 17 Sch9
- 86866 BERLIN, H. Heat sterilization of canned food. (In Swedish.) Konserves 9:61-66. (Cont.) Ref. June 1951. 389.8 K835
- 86867 BIG BENEFITS in bin-handling of dries. Food Engin. 23(9):83-85, 179. Sept. 1951. 389.8 F737
Raw materials for the food industry.
- 86868 BORGSTRÖM, G. Fryskonservernas mikrobiologiska problem (en översikt med bibliografi) [Microbiological problems of frozen food (a survey with bibliography)]. Svenska Inst. f. Konservforsk. P. 34, 49 p. 1951. 389.9 Sv2
- 86869 BUTT, J. L. Research results in crop processing, storage and drying. (Abs.) Assoc. South. Agr. Workers. Proc. 48:40-41. 1951. 4 C82
- 86870 BUTTS, S. U. Food processing plants are bringing jobs and markets to eastern Oklahoma. Farmer-Stockman 54(9):9, 30. Sept. 1951. 6 Ok45
- 86871 CANADA. BUR. OF STATISTICS. Stocks of food commodities in cold storage and other warehouses 1950. Ottawa, 1951. 29 p. 295.9 C16S
- 86872 DOYLE, E. C. The role of sanitation in production and quality control. South. Canner & Packer 12(8):8-10, 19. Aug. 20, 1951. 389.8 So82
- 86873 ETCHELLES, J. L., and BELL, T. A. Brine yeasts as they occur in natural fermentations. (Abs.) Assoc. South. Agr. Workers. Proc. 48:118. 1951. 4 C82
- 86874 FARRELL, K. T., and ALIKONIS, J. J. Army rations: shelf life lengthened, quality maintained by development of new type cocoa coatings. Candy Indus. 15:15, 18-19. July 3, 1951. 389.8 C168
Confectionery for use by the armed forces.
- 86875 FRENDRIN, I. Deep freezing—the conservation method of the future. (In Swedish.) Tidskr. f. Hushållsk. och Skogsvårdsstyr. i Gävleborgs Län 26:189-192. 1950. 11 T434
- 86876 GARRETT, O. F. Advances in the condensing and drying of food products. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:73. 1950. 44.9 Oh35M
- 86877 GMELIN, W. Wirtschaftlichkeit der künstlichen trocknung. Bad. Landwirt. Wehnl. 118:464. Aug. 4, 1951. 18 B142
Field crops; includes costs.
- 86878 GREENLEAF, C. A. Use of fluoridated water in canning. South. Canner & Packer 12(8):6-7, 22. Aug. 20, 1951. 389.8 So82
- 86879 HEID, J. L., and NIELSEN, B. W. Objective measurement in quality control of frozen foods. Food Technol. 5:347-349. Sept. 1951. 389.8 F7398
- 86880 HUDTLOFF, M. J. The warehouse industry and defense. Amer. Warehousemen's Assoc. Proc. 60:63-67. 1951. 297.9 Am32
- 86881 JENSEN, P. F. The Danish production and import and export of preserved foods in 1949. (In Danish.) Konserves 9:73-79. July 1951. 389.8 K835
- 86882 KEARNEY, F. Selling space—in or out of emergencies. Amer. Warehousemen's Assoc. Proc. 60:111-118. 1951. 297.9 Am32
- 86883 KÖRNER, W. Der bau einer neuen stärkefabrik; lohnt er sich für Niedersachsen? Hannoversche Land- u. Forstwirtschaft. Ztg. 104:361. Apr. 21, 1951. 18 H194
- 86884 LISTER, B. A. J. Ion exchange; fundamentals, materials separation, sugar and other food processing. Internatl. Chem. Engin. 32:373-374. Ref. Aug. 1951. 382 In8
- 86885 MABRY, B. Refrigerator-freezer revolution. Forecast Home Econ. 67(7):46-48, 100, 106. Sept. 1951. 321.8 F76
- 86886 MCKENNON, M. T., and CROW, J. Getting a grip on frozen foods. I. Forecast Home Econ. 67(7):38-40, 92. Sept. 1951. 321.8 F76
- 86887 MARTIN, L. F. Search for new products, improved storage life spurred by importance of candy as Army ration. Candy Indus. 15:20. July 3, 1951. 389.8 C168
- 86888 MAYER, H. Die wirkungsweise eines haushaltskühlschranks. Landfrauenarbeit 23:183-184. June 9, 1951. 18 L2347
- 86889 MORTIMER, C. G., JR. Partners in frozen foods. Super Mkt. Inst. Proc. 14:50-51. 1951. 286.29 Su7
- 86890 MOSSEL, D. A. A., and TOLLENAAR, F. D. Food and nutrition. XII. (In Dutch.) Voeding 12:263-272. Ref. July 15, 1951. 389.8 V85
English summary.
Quick freezing and cold storage.
- 86891 MURRAY, R. V. The storage of canned foods. 4. Food Indus. So. Africa 4(3):41, 43, 45. July 1951. 389.8 F7372
- 86892 OSGOOD, H. K. Warehousing in the defense effort. Amer. Warehousemen's Assoc. Proc. 60:53-62. 1951. 297.9 Am32
- 86893 PROCTOR, B. E., and GOLDBLITH, S. A. Food processing with ionizing radiations. Food Technol. 5:376-380. Sept. 1951. 389.8 F7398
- 86894 RAGHUNATH, M., and BHAT, J. V. Studies on the evaluation of spices as food preservatives. Bombay. U. J. Sect. B, Biol. Sci. (n.s.) 19:69-71. Ref. Mar. 1951. 513 B633
- 86895 ROBINSON, D. Equipment for processing of farm crops. (Abs.) Assoc. South. Agr. Workers. Proc. 48:38-39. 1951. 4 C82
- 86896 SALLES, C. Le froid et les denrées périssables, rôle économique et perspectives d'avenir. Cahiers des Ingén. Agron. 6:10-20. Second Q. 1951. 14 C112
- 86897 SELBY, J. W. Some special problems connected with the use of gelatine in foodstuffs. Engin. & Chem. Digest 3:203. June 1951. 385 En3
- 86898 SIMONS, J. W. Trends and problems in storing farm crops in the Southeast. (Abs.) Assoc. South. Agr. Workers. Proc. 48:31. 1951. 4 C82
- 86899 STEVENSON, A. E. Food technology and the canning industry. Food Technol. 5(9):6, 8-10. Sept. 1951. 389.8 F7398
- 86900 SUCHY, G. F. Maintenance in food processing. Canad. Milling & Feed 32(4):25. Apr. 1951. 298.8 C162
- 86901 TRUSCOTT, J. H. L., STILLWELL, E. C., and SNYDER, E. S. Frozen foods. Ontario. Dept. Agr. B. 467, 45 p. June 1949. 101 On8B

86902 VEERDIG, C. With the Cold Chain Mission to America. (In Dutch.) Alg. Nederland. Zuivelbond. Off. Orgaan 43:42-43,52-53. Jan.24-31,1951. 44.9 AL3

86903 WOODROOF, J. G. Refrigerated storage of candles. Amer. Warehousemen's Assoc. Proc. 60:119-127. 1951. 297.9 Am32
Includes discussion.

STATISTICS

86904 BRAZIL. INSTITUTO BRASILEIRO DE GEOGRAFIA E ESTATÍSTICA. Anuário estatístico do Brasil, ano XI, 1950. Rio de Janeiro, 1951. 569 p. 255.3 Ag82Es

Includes agriculture.

86905 BYRKJELAND, J. Acreage statistics in agriculture. Norske Myrselsk. Meddel. 49:88-93. June 1951. 11 N813

86906 COSTA RICA. MINISTERIO DE ECONOMÍA Y HACIENDA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Anuario, año 1949. San José, 1951. 256 p. 254 C82A

Includes statistics for agricultural production and trade.

86907 GERMANY. FEDERAL REPUBLIC, 1949-. STATISTISCHES BUNDESAMT. Endgültige ergebnisse der landwirtschaftlichen betriebszählung vom 22. mai 1949. Germany. Statist. Bundesamt. Statist. Ber. 3,50 p. July 25, 1951. 265 V58

86908 GERMANY. TERRITORY UNDER ALLIED OCCUPATION, 1945-. VEREINIGTES WIRTSCHAFTS-GEBIET. Ernteflächen und -erträge der heil- und gewürzpflanzen 1950. Germany. Statist. Bundesamt. Statist. Ber. III/9/1,23 p. Apr. 5, 1951. 265 V58

Statistics.

86909 HAMILTON, A. B. Comparative census of Maryland agriculture by counties. Md. Agr. Expt. Sta. Misc. P. 113,52 p. Aug. 1951. 100 M36M

86910 HOMAN, J. L. A few European figures. (In Dutch.) Alg. Nederland. Zuivelbond. Off. Orgaan. 43:393. Aug. 8, 1951. 44.9 AL3

Miscellaneous agricultural statistics.

86911 KOZIK, A. Six-Year Plan for the advancement of the national economy of the Polish Republic. (In Russian.) Vneshn. Torg. 21(3):10-16. Mar. 1951. 286.8 F762

Includes agricultural statistics.

86912 LINZ. STATISTISCHES AMT. Statistisches Jahrbuch der Stadt Linz 1950, 4. Jahrgang. Linz, 1951. 193 p. 266 L65

Contains a chapter on agriculture.

86913 NETHERLANDS. CENTRAAL BUR. VOOR DE STATISTIEK. Statistiek van de land- en tuinbouw 1950 [Statistics for agriculture and gardening 1950]. Utrecht, 1951. 83 p. 259 St2U1

86914 PANAMA. DIRECCIÓN GENERAL DE ESTADÍSTICA Y DE CENSO. DEPT. DE CENSOS. Primer censo nacional agropecuario 10 de diciembre de 1950; cifras preliminares. Panama. Dept. de Censos. B. Inform. 1,61 p. Apr. 1951. 254 P198

86915 QUEENSLAND. STATISTICIAN. Queensland agricultural production, 1949-50. Queensland. Govt. Statist. Queensland Agr. Prod. B. 1,8 p. 1951. 271.3 St2Qa

86916 RADÓ, E. Le mécanisme de l'estimation des récoltes en 1951. (In Czech.) Hungary. Központi Statis. Hivatal. Magyar Statis. Szemle 3:232-235. Mar. 1951. 266.5 St2M

86917 STATE-FEDERAL CROP AND LIVESTOCK REPORTING SERV. Minnesota agricultural statistics, 1949-1950. St. Paul, 1951? 48 p. 1 Ec7M

86918 U. S. BUR. OF AGRICULTURAL ECONOMICS. Production guides with comparisons; 1951 indicated crop acreages and production, with guide comparisons. Washington, 1951. 8 p. 1.941 H81n2

U. S. Production and Marketing Administration cooperating.

86919 U. S. BUR. OF AGRICULTURAL ECONOMICS. Statistical handbook of agriculture in the United States, by E. M. Brooks and J. W. Kirkbride. Washington, 1951. 94 p. 1.941 H22St23

BEVERAGES AND CONDIMENTS

86920 CONGRÈS INTERNATIONAL DE LA VIGNE ET DU VIN, ATHENS, 1950. [Rapports]. Off. Internatl. du Vin. B. 24(245):8-107. July 1951. 390.8 B87

General reports and reports by country on methods of increasing consumption and marketing of wine, and on costs of wine production.

86921 COSMO, I. Viticultural panorama of the Breganze zone. (In Italian.) Agr. delle Venezie 5:298-302. June 1951. 16 Ag826

86922 DALMASSO, G. Discourse on wine of the Marches. (In Italian.) Gior. di Agr. 61:249. Aug. 12/19, 1951. 16 It1G

86923 DICKINSON, W. G. Says Tanganyika will double tea production in next five years. Coffee & Tea Indus. 74(9):45,47. Sept. 1951. 389.8 Sp4

86924 DIETRICH, K. R. Die gärung im spiegel der amerikanischen literatur. Brantweinwirtschaft 5:230-233. Ref. July 10, 1951. 390.8 B7322

86925 DIRECTORY of wineries. Wines & Vines 32 (9A), 148 p. Sept. 15, 1951. 95.8 C122

86926 ENDERS, C., and RAIBLE, K. Ultraschall in der brauerei. Verssta. f. das Gärungsgewerbe. Mitt. 5: 16-19. Jan./Feb. 1951. 390.08 V67

86927 FEDERACIÓN NACIONAL DE CAFETEROS. Instalaciones para beneficios de café. Cent. Nac. de Invest. de Café. B. de Ext. 10,8 p. June 1951. 68.29 C33B

86928 FEDUCHI MARINO, E. Algunos enturbiamientos de los vinos. Siembra [Madrid] 7(6):5-8. June 1951. 15 S11

86929 FENOGLIETTO, L. The laws on typical wines. XIII. (In Italian.) Terra [Firenze] 62(17):2. Apr. 29, 1951. 16 T274

Italy.

86930 GALLOWAY, A. H. India's tea producers push forward despite earthquake, famine threat. Coffee & Tea Indus. 74(9):37,80. (Cont.) Sept. 1951. 389.8 Sp4

86931 GILES, L. Tea Council's grocer drive is an impressive "hit"; four reasons make it that. Coffee & Tea Indus. 74(9):48,77. Sept. 1951. 389.8 Sp4

86932 GIMENEZ, G. A. Vermouth. Charla Rur. 150: 32,58. Apr. 1951. 9 C37

86933 GOULD, M. America's sweet tooth; here is the story of chocolate, from its discovery by the Aztecs to today's tremendous consumption. Ala. Tuskegee Inst. Serv. 15(12):7-9. July 1951. 280.8 Sc62

86934 GRAY, P. P. Some advances in microbiological control for beer quality. Master Brewers Assoc. Amer. Commun. 12(7/8):8-18. July/Aug. 1951. 390.9 M39C

86935 HARRIS, G., BARTON-WRIGHT, E. C., and CURTIS, N. S. Carbohydrate composition of wort and some aspects of the biochemistry of fermentation. Inst. Brewing. J. 57:264-280. July/Aug. 1951. 390.9 In7

86936 HECK, P. Automatic circulation of wine during fermentation for color and flavor extraction. Wines & Vines 32(8):26-27. Aug. 1951. 95.8 C122

86937 HYDE, A. What's happening to tea sales? Coffee & Tea Indus. 74(9):23,49. Sept. 1951. 389.8 Sp4

86938 JONGE, W. J. DE. Tea in postwar Indonesia. Coffee & Tea Indus. 74(9):41-42. Sept. 1951. 389.8 Sp4

86939 KLEBER, W. and SEIDL, P. Die anstellhefe und ihre beurteilung. II. Brauwelt 25:517-518. June 21, 1951. 390.8 B732

86940 KNAPP, A. Handelsindex für kakaorohbohlen. Zucker- u. Süßwaren-Wirt. 4:551-554,594-595. July 20, Aug. 5, 1951. 286.86 Z8

86941 KORFHAGE, R. F. Sources, kinds, effects of cocoa beans. Confectioners J. 77(920):38-39. Sept. 1951. 389.8 C76

86942 KRAFFT, O. Die brantweinherstellung der obstbesitzer, die keine eigene brennerei besitzen. Brantweinwirtschaft 5:151-153. (Cont.) May 15, 1951. 390.8 B7322

86943 LA CROIX, J. R. We need to simplify tea package sizes. Coffee & Tea Indus. 74(9):49. Sept. 1951. 389.8 Sp4

86944 LAMPE, B. Wertbestimmung von brennmalzen. Brantweinwirtschaft 5:227-228. July 10, 1951. 390.8 B7322

86945 MACLEAN, J. A. R., and WICKENS, R. Application of an incomplete block design to the assessment of quality in cacao. Nature [London] 168:434-435. Sept. 8, 1951. 472 N21

86946 MAESTRO PALO, F. Las radiaciones ultravioleta y el buen vino. Ceres [Valladolid] 16(179):25. May 1, 1951. 15 C33

86947 MARESCALCHI, A. The Piedmont wine problem. (In Italian.) Cron. Econ. 98:22-23. Feb. 1951. 280.8 C882

86948 MARESCALCHI, C. The wine crisis. (In Italian.) Gior. di Agr. 61:233. July 29, 1951. 16 It1G

Italy.

- 86949 MIR, R. M. Cómo y cuándo hay que sulfatar. *Cult. Mod.* 34:176. May 1951. 15 C89
Wine manufacture.
- 86950 MITCHELL, G. F. Some new uses for tea—as a flavoring. *Coffee & Tea Indus.* 74(9):46,80. Sept. 1951. 389.8 Sp4
- 86951 MOTZ, O. Die brauereifacharbeiterprüfung für lehrbetrieb, berufsschule und brauwirtschaft. *Brauwelt* 31:646-648. Aug. 2, 1951. 390.8 B732
- 86952 PEYER, E. Die Weinlesekontrolle und Weinbauberatung 1950. *Schweiz. Z. f. Obst- u. Weinbau* 60:328-331. Aug. 25, 1951. 80 Sch9
- 86953 POWERS, E. V. Immediate steps vital to improve native tea chests from India. *Coffee & Tea Indus.* 74(9):38,77. Sept. 1951. 389.8 Sp4
- 86954 RAMOS LARA, M. El futuro del café. *Café de El Salvador* 234:295-297. May 1951. 68.28 C112
- 86955 REMOND, J. L'Institut Coopératif du Vin et la coopération technique. *Sol* 64:127-128. 1951. 14 So4
- 86956 ROBERTS, E. A. H., and WOOD, D. J. The separation of polyphenols in tea leaf by paper chromatography with water as a mobile solvent. (Abs.) *Biochem. J.* 49:xxxiii. Aug. 1951. 382 B52
- 86957 ROMANO, E. On the content in 2-3 butylen-glycol of some Italian wines. (In Italian.) *Ann. della Sper. Agr. (n.s.)* 5:779-783. 1951. 16 An76
English summary.
- 86958 SAIGO, S. Where does Japan stand in the restoration of her tea industry? *Coffee & Tea Indus.* 74(9):44,47. Sept. 1951. 389.8 Sp4
- 86959 SCHAEGLER, E. Die kieselgur und ihre verwendung in der filtrationstechnik. *Schweiz. Z. f. Obst- u. Weinbau* 60:314-319. Aug. 25, 1951. 80 Sch9
- 86960 SCULL, R. B. Why tea's industry-level merchandising pays off. *Coffee & Tea Indus.* 74(9):25. Sept. 1951. 389.8 Sp4
- 86961 SINHA, S. K. Tea trends in India. *Coffee & Tea Indus.* 74(9):35. Sept. 1951. 389.8 Sp4
- 86962 SMALLWOOD, R. B. What has the Tea Council accomplished so far? *Coffee & Tea Indus.* 74(9):19. Sept. 1951. 389.8 Sp4
- 86963 SOCIÉTÉ D'ENCOURAGEMENT DE LA CULTURE DES ORGES DE BRASSERIE ET DES HOUBLONS EN FRANCE. Rapports sur la campagne 1949. Issoudun, 1950. 69 p. 59.9 So12
- 86964 SONESSON, N. Cider before us. (In Swedish.) *Trädgårdstidningen* 23(8):5-6. Aug. 1951. 80 T67
- 86965 TAPPOLET, H. Vom flaschenverschluss. *Schweiz. Z. f. Obst- u. Weinbau* 60:323-327. Aug. 25, 1951. 80 Sch9
- 86966 TELLES, M. R. Aspects of coffee production. III. (In Portuguese.) *Soc. Rur. Bras. Rev.* 31(367):19. June 1951. 9.2 B733
- 86967 TELLIEZ, J. Attention aux vins piqués! *Tarn-et-Garonne Agr.* 14:62-63. Apr. 1951. 14 T17
- 86968 TREADWELL, W. F. Tea publicity in the U. S. *Coffee & Tea Indus.* 74(9):27,49. Sept. 1951. 389.8 Sp4
- 86969 VERBELEN, J. J. Situation actuelle de la construction des tourailles à houblon. *Rev. de l'Agr.* 4:985-999. Aug. 1951. 13 R322
English summary.
- 86970 WAY, R. M., and GALEY, W. R. A micro method for the determination of vanillin and ethyl vanillin in vanilla extracts. *Assoc. Off. Agr. Chem. J.* 34:726-731. Ref. Aug. 15, 1951. 381 As7
- 86971 WINE from the California Desert; a portfolio of woodcuts by Antonio Frasconi. *Fortune* 44(3):112-116. Sept. 1951. 110 F772
- 86972 YODER, R. M. A coffee fanatic never surrenders. *Sat. Evening Post* 224(9):30,91-92. Sept. 1, 1951. 110 Sa8
Coffee blending.
- 86973 — ZEMAN, P. J. Chocolate and its manufacture. *Confectionery-Ice Cream World* 46(12):22-23. Sept. 17, 1951. 389.8 C767
- 86974 ANUARIO de la vid y de la producción y comercio del vino, industrias derivadas, cervezas y sidras, v. II. Madrid, 1951. 662 p. 390.8 An8
- 86975 AUSTRALIA. FEDERAL VITICULTURAL COUNCIL. Annual report, 1950. Melbourne, 1951. 48 p. 390.9 Au7
- 86976 BABET-CHARTON, H. Préparez de bons vins de fruits pour la table ou le dessert. *Rustica* 24:546. June 17, 1951. 14 R92
- 86977 BAQUE, Z. L'Armagnac. *Terre d'Oc* 33:220-226, 258-264. (Cont.) July-Aug. 1951. 14 Ar5
Wine industry.
- 86978 BEDDALL, J. L. Perry and perry pears. *Country Life [London]* 110:500. Aug. 17, 1951. 80 C83
- 86979 BITZER, J. Brantweinzeugung und monopol-brantweinabsatz im Bundesgebiet in der ersten hälfte des betriebsjahres 1950/51. *Brantweinwirtschaft* 5:229-230. July 10, 1951. 390.8 B7322
Statistics.
- 86980 BOIXO, DE. Observations sur le decret du 4 mai 1951 libérant une tranche de la récolte de vin de 1950. *Acad. d'Agr. de France. Compt. Rend.* 37:371. June 6/13, 1951. 14 P215Bc
- 86981 BOOTH, J. J. Tea salesmen make—or break—campaign. *Coffee & Tea Indus.* 74(9):33. Sept. 1951. 389.8 Sp4
- 86982 BRABANT, A. Tea progress in Pakistan. *Coffee & Tea Indus.* 74(9):39,80. Sept. 1951. 389.8 Sp4
- 86983 BREMOND, E., and POTENTIER, J. Vins de cepages hybrides producteurs directs préparés à la cave expérimentale de l'Institut Agricole d'Algérie (récolte 1950). *Rev. Agr. de l'Afrique du Nord* 49:297-302. Apr. 20, 1951. 80 R326
- 86984 BREVIOLIERI, N. At Siena with the flower of Italian wines. (In Italian.) *Gior. di Agr.* 61:247-248. Aug. 12/19, 1951. 16 It1G
Account of a show.
- 86985 CARALP, R. L. Le transport ferroviaire des vins du Languedoc vers Paris. *Etudes Rhodaniennes* 26:273-295. 1951. 473 Et8
- 86986 CARCELEN HERRERO, J. Consideraciones sobre la determinación del grado alcohólico en los vinos. *Semana Vitivinica*. 252:7,16. Apr. 28, 1951. 95.8 Se5
- 86987 CASELLATI, G. B. Argentine viticulture and wine industry. (In Italian.) *Rass. Econ. del Polesine (n.s.)* 5:45-47. Mar./June 1951. 280.8 R183
- 86988 CHAUVET, J. La dégustation des vins, son mécanisme et ses lois. *Bourguignon Vitic.* 79:1-2,4. (Cont.) June 1951. 95.8 B66
- 86989 CHOKKANNA, N. G., and THOMAS, K. M. Hints on robusta pulping. *Indian Coffee Bd. Mon. B.* 15:21-22. Feb. 1951. 68.29 In23M

DAIRY PRODUCTS

- 86990 ALBRECHT, R. Dairying can catch up. For one thing we need a better cow. *Prairie Farmer*, Ill. Ed. 123(16):1,18. Aug. 18, 1951. 6 P883B
Dairy industry situation.
- 86991 ARONSON, A. S. Statistics on ice cream firm needs, and how to get them. (Excerpts.) *Ice Cream Rev.* 35:50,52,54-56. Aug. 1951. 389.8 Ic22
- 86992 BENDIXEN, H. A. Bugs in the butter business. *Amer. Dairy Prod. Mfg. Rev.* 13(3):16,26-32. Mar. 1951. 44.8 Am37
- 86993 BENNION, E. B. Reconstituted and imitation creams; new names for old favorites. *Bakers' Natl. Assoc. Rev.* 68:992,997. July 6, 1951. 389.8 N214
- 86994 BLAUSER, I. P. Field problems in need of solution on dairy farms. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 17:26. 1950. 44.9 Oh35M
- 86995 BORLAND, A. A. Let's take a look at the dairy industry. *Pa. Farmer* 145:146,155. Sept. 8, 1951. 6 P383
- 86996 BORLAND, A. A. Mileposts in dairy progress. *Pa. Farmer* 145:63,91. Aug. 11, 1951. 6 P383
- 86997 BURNHAM, W. C. Making your plant records tell a story. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 18:12-13. 1951. 44.9 Oh35M
- 86998 CROW, N. R. Achievement in California; a great industry tells its story on WDJ tour. *West. Dairy J.* 7(10):9-13,15-16,18,20-22,26-28. Aug. 1, 1951. 44.8 W524
- 86999 DANILOV, F. Broad or narrow specialization. (In Russian.) *Moloch. Promysh.* 11(12):16. Dec. 1950. 44.8 M734
Training of specialists for the dairy industry.
- 87000 DAVIDSON, Q. M. Can Australia afford to neglect dairying in 1951? *So. Austral. Dept. Agr. J.* 54:507-509. May 1951. 23 So84
- 87001 ECK, A. L'industrie laitière en Allemagne; la conception et la construction des laiteries sont inspirées par l'organisation rationnelle du travail. *Vie Lait.* 7(132):1-2. May 25, 1951. 44.8 V67
- 87002 EFIMOV, A. Closer ties between educational institutions and [canned milk] enterprises. (In Russian.) *Moloch. Promysh.* 11(12):12-13. Dec. 1950. 44.8 M734

- 87003 EHRSTRÖM, W. Die gewinnung, abgabe und öffentliche überwachung der trinkmilch in Finnland. Gross-Städtische Milchversorgung 7:5-18. 1950. 44.8 G91
- 87004 FORTIN, G. N. Les agronomes discutent d'industrie laitière. Terre de Chez Nous 23(19):3. July 4, 1951. 7 T27
Quebec.
- 87005 GARBARINO, A. J. The South milk supplies, problems and prospects. (Abs.) Assoc. South. Agr. Workers. Proc. 48:123. 1951. 4 C82
- 87006 GOODING, J. W., JR. Count your costs for profits. South. Dairy Prod. J. 50(3):29-32. Sept. 1951. 44.8 So83
- 87007 HILT, C. A. Field problems as seen by a fieldman. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:11-12. 1950. 44.9 Oh35M
- 87008 IS THE small dairy doomed? 1-2. Farmers Wk. [London] 35(5):42-43, 45; (6):40-41, 43. Aug. 3-10, 1951. 10 F2226
1, South Wales; 2, Lancashire.
- 87009 ISIDORO, R., and LAURO, E. Production and distribution of milk in Ancona City. (In Italian.) Latte 25: 193-195. May 10, 1951. 44.8 L35
- 87010 JENNISSEN, L. Die rheinisch-pfälzische milchwirtschaft tagte in Bad Dürkheim. Mol.-Ztg. 5:808. July 26, 1951. 44.8 M735
- 87011 KAEMPFE, K. Rheinische milchwirtschaft auf der DLG-Ausstellung Hamburg 1951. Landwirt. Z. der Nord-Rheinprov. 118:672. July 28, 1951. 18 L2344
- 87012 KRISTENSEN, J. America's dairy State—Wisconsin. (In Danish.) Dansk Landbr. 70:263. June 7 1951. 280.28 V91
- 87013 LIPATOV, N. New equipment for the institutes. (In Russian.) Moloch. Promysh. 11(12):14-15. Dec. 1950. 44.8 M734
For training specialists for the dairy industry.
- 87014 MCELROY, J. W. Cost accounting in the ice cream business. Canad. Dairy & Ice Cream J. 30(8):57-59. Aug. 1951. 44.8 C162
- 87015 MACKENZIE, P. K. How ice cream can help your dairy. Milk Indus. 32(2):73-77. Aug. 1951. 44.8 M593
England.
- 87016 MERISH, F. Controlling costs to capture profits. Milk Plant Mon. 40(9):30-32. Sept. 1951. 44.8 C864
- 87017 MILCHWISSENSCHAFT und medizin: auszug aus den tagungsprogrammen (wissenschaftliche vorträge) der 51. tagung der Deutschen Gesellschaft für Kinderheilkunde, Heidelberg und der 5. nachkriegstagung der Deutschen Gesellschaft für Hygiene und Mikrobiologie, Münster i. W. S. 264. Milchwissenschaft 6:263-315. Aug./Sept. 1951. 44.8 M5933
- 87018 MITCHEL, C. L. Dairy reminiscences. Pacific Dairy Rev. 55(8):26-27; (9):24-25. (Cont.) Aug.-Sept. 1951. 286.85 p11
- 87019 NATIONAL DAIRY CONFERENCE. 57th National Dairy Conference and proceedings of meetings held at Wellington on June 26 and 27, 1951. Wellington, 1951. 72 p. 44.9 N2172
Includes twenty-first annual meeting of the National Dairy Association of New Zealand Limited, fifteenth annual meeting of the National Dairy Federation (Inc.), fourteenth annual meeting of the Dairy Industry Insurance Agency Limited, and thirty-fifth annual meeting of the New Zealand Co-op. Rennet Co. Ltd.
- 87020 PARRISH, J. R. No ceiling on milk needs. Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(7):17. July 1951. 6 P945G
- 87021 PAVIA, N. The Turin milk central. (In Italian.) Cron. Econ. 98:41-43. Feb. 1951. 280.8 C882
- 87022 PRITCHARD, N. T. The dairy industry—how big? Hoard's Dairyman 96:642. Aug. 25, 1951. 44.8 H65
- 87023 QUACKENBUSH, G. C. How much butter in Michigan in 1960? Amer. Dairy Prod. Mfg. Rev. 13(3):2-3, 38-39. Mar. 1951. 44.8 Am37
- 87024 REAVES, C. W. Dairy industry makes great advances on all fronts. Fla. Dairy News 1(4):13-14. June 1951. 44.8 F66
- 87025 RIBEIRO, J. A. Dairy fallacies. (In Portuguese.) B. do Leite 4(47):5-6. May 1951. 44.8 B633
- 87026 RICHARDS, P. Our problems and your problems. (Sum.) Amer. Dry Milk Inst. Briefly 26:8-9. 1951. 44.9 Am35Br
In the dairy industry.
- 87027 ROGERS, H. T. 1 + 1 = dairying. Idaho Farmer 69:609, 614. Aug. 16, 1951. 6 G282
Dairy industry in the Idaho Panhandle.
- 87028 RUEHE, H. A. Lowering costs through efficient plant management. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:17-19. 1950. 44.9 Oh35M
- 87029 SEMBOWER, J. F. Attendance breaks records at National Cheese Institute. Amer. Dairy Prod. Mfg. Rev. 13(6):46-47. June 1951. 44.8 Am37
- 87030 SIDORIN, I. A. Courses for training crews for large scale occupations [in dairy industry]. (In Russian.) Moloch. Promysh. 11(12):13-14. Dec. 1950. 44.8 M734
- 87031 THOMSEN, L. C. How much overhead can my business stand? Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:13-16. 1950. 44.9 Oh35M
- 87032 THORNTON, H. R., and MCCALLUM, D. H. A Canadian dairy policy. Canad. Dairy & Ice Cream J. 30(8):31-32, 60, 62, 64. Aug. 1951. 44.8 C162
- 87033 THORNTON, H. R. An objective for the Canadian dairy industry. Canad. Dairy & Ice Cream J. 30(8):29-30, 60. Aug. 1951. 44.8 C162
- 87034 TURK, K. L. Dairying in the land of dikes. Dairymen's League News 35(18):6, 9, 17. Sept. 4, 1951. 44.8 D1432
- 87035 VAGELPOHL, H. Die zweckmässige buchführung. Mol.-Ztg. 5:829. Aug. 2, 1951. 44.8 M735
Germany.
- 87036 VERLAG HANS CARL. Milchwirtschaftlicher literaturbericht und nachrichtendienst geordnet nach dem system der "Bibliotheca lactis." Milchwissenschaft 6: 319-337. Aug./Sept. 1951. 44.8 M5933
- 87037 WALKER, F. World unrest and controls hold key to many farmer's problems. Dairyland Coop. Rev. Aug. 1951:3-4. 44.8 D1453
In relation to the dairy industry.
- 87038 WALTZ, R. Philippines and dairying. Skagit Co-op Dairyman 28(12):10-11, 14. Aug. 1951. 280.28 Sk1
- 87039 WEKRE, E. The first associations of dairy technicians. (In Norwegian.) Meieriposten 40:588-591. Aug. 18, 1951. 44.8 M47
- 87040 YORK, J. C. Production and marketing conditions and future price trends. East. Milk Prod. 27(6): 7-9. June 1951. 280.28 Sh3

Analysis and Composition

- 87041 ARMSTRONG, T. V. Results of applying the water insoluble acid (W.I.A.) and other tests to Ohio's butter. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:1-3. 1951. 44.9 Oh35M
- 87042 BABAD, J., and GRUNPETER, A. Determination of lactose in dairy products. J. Dairy Res. 18:147-150. June 1951. 44.8 J823
- 87043 BABAD, J., and SHTRIKMAN, N. The estimation of citric acid in dairy products. J. Dairy Res. 18:72-76. Ref. Feb. 1951. 44.8 J823
- 87044 BABEL, F. J. Maintaining a low pasteurized milk count. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:34-35. 1951. 44.9 Oh35M
- 87045 BURGWALD, L. H. Developments relating to the Babcock test. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:55-56. 1950. 44.9 Oh35M
For milk.
- 87046 BURGWALD, L. H. The present status of the phosphatase test. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:44-45. 1950. 44.9 Oh35M
For dairy products.
- 87047 CAFFYN, J. E. The viscosity temperature coefficient of homogenized milk. J. Dairy Res. 18:95-105. Feb. 1951. 44.8 J823
- 87048 CERUTTI, G. Observations on the physical and chemical characteristics of Italian butter production at the present time. (In Italian.) Latte 25:285-286. July 1951. 44.8 L35
- 87049 CHETHAM, A. W. G. Ice cream and the methylene blue test. 4. Dairy Indus. 16:758-759, 766. Aug. 1951. 44.8 D1427
- 87050 CHRISTOPHERSEN, J. Über hitzeabtötung und hitzeresistenz von mikroorganismen. Milchwissenschaft 6:309-313. Ref. Aug./Sept. 1951. 44.8 M5933
English summary.
- 87051 FAHMI, A. H. The rate of creaming of raw cows' and buffaloes' milk. J. Dairy Res. 18:106-112. Ref. Feb. 1951. 44.8 J823
- 87052 FEATHERSTONE, J., RICKABY, C. D., and CAVELL, A. J. Variations in composition of cows' milk during a period of 12 weeks. J. Dairy Res. 18:155-165. Ref. June 1951. 44.8 J823
- 87053 FONZO, M. DI, and FONZO, R. DI. Enzymes in milk. (In Italian.) Latte 25:281-284. Ref. July 1951. 44.8 L35

87054 GÜNTART, A. Was sagt dem viehzüchter das spezifische gewicht der milch? Grüne 79:830-831. July 27, 1951. 17 Sch9

87055 HADLAND, G. The rheology of cheese and measurements of the consistency of whey cheese. (In Norwegian.) Meieriposten 40:462-468. June 30, 1951. 44.8 M47

87056 HÄNNI, H. Über das vorkommen von eisen, kupfer, nitrit und nitrat in milch und milchprodukten. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:199. 1951. 389.9 Sw6

87057 HILLIG, F., AHLMANN, S. W., and JORDAN, R. C. Effect of neutralization of cream in the manufacture of butter on water-insoluble fatty acids and butyric acid. Assoc. Off. Agr. Chem. J. 34:720-725. Aug. 15, 1951. 381 As7

87058 HOLAGER, H. Investigations on the bacteria content of dairy equipment measured with the rinsing method. (In Norwegian.) Meieriposten 40:477-483, 501-521, 536-546, 551-557. (Cont.) July 7-Aug. 4, 1951. 44.8 M47

87059 JENSEN, J. M. Determining quality of raw products for butter and cheese manufacture. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:48-51. 1950. 44.9 Oh35M

Milk and cream tests.

87060 KAMAL, S., and TURNER, C. W. Electrophoretic studies of commercial and iodinated casein. J. Dairy Sci. 34:790-797. Ref. Aug. 1951. 44.8 J822

87061 KEENEY, D. G. Carbonyl compounds from heated milk. Pa. State Col. Abs. Doct. Diss. 13:206-214. Ref. 1951. 241.8 P38

87062 KEENEY, M., and DOAN, F. J. Studies on oxidized milk fat. I-III. J. Dairy Sci. 34:713-734. Ref. Aug. 1951. 44.8 J822

87063 KEENEY, M. A study of volatile substances from oxidized milk fat. Pa. State Col. Abs. Doct. Diss. 13:215-217. 1951. 241.8 P38

87064 KEESTRA, F. Copper in cold storage butter. (In Dutch.) Alg. Nederland. Zuivelbond. Off. Orgaan 43:355-356. July 18, 1951. 44.9 AL3

87065 KING, N. The behaviour of milk fat during agitation of milk and cream. Dairy Indus. 16:727-734. Ref. Aug. 1951. 44.8 D1427

87066 LAMPERT, L. M. A note on temperature measurement in the Babcock Test centrifuge. J. Milk & Food Technol. 14:137. July/Aug. 1951. 44.8 J824

87067 LE ROUX, G. D. The Gerber test for milk. Union So. Africa. Dept. Agr. B. 312, 32 p. 1950. 24 So84P

87068 LEGGATT, A. G., PALMER, J. C., and BOGAERTS, P. J. A modified swab test in sanitary control inspection. Canad. Dairy & Ice Cream J. 30(8):38-40, 42, 54. Aug. 1951. 44.8 C162

Dairy industry equipment.

87069 MCLEAN, J. W. The problem of low non-fatty solids in milk of the Christchurch milk-supply area. Lincoln Col. Tech. P. 7, 27 p. Ref. July 1951. 109 C162T

87070 MALUSHKO, V. Device for determining the firmness of rennet milk curds. (In Russian.) Moloch. Promysh. 11(12):36-37. Dec. 1950. 44.8 M734

87071 MONZINI, A., and ARTOM, A. Observations on the lactoflavin content of milk and milk products and study of some factors influencing this content. (In Italian.) Ann. della Sper. Agr. (n.s.) 5:805-818. 1951. 16 An76

English summary.

Chiefly in cheese.

87072 MULDER, H. Consistency changes which can be found in butter slabs after kneading. (In Dutch.) Alg. Nederland. Zuivelbond. Off. Orgaan 43:54-55, 66-67. Jan. 31-Feb. 7, 1951. 44.9 AL3

87073 NIKIFOROV, N. Instrument for taking cheese samples. (In Russian.) Moloch. Promysh. 11(12):37-38. Dec. 1950. 44.8 M734

87074 PARSONS, A. T., and FRASER, J. R. The bacteriological quality of national dried milk. J. Dairy Res. 18:34-42. Ref. Feb. 1951. 44.8 J823

87075 PERRIN, D. R., LIGHTFOOT, F. R., and MOIR, G. M. Copper and iron in dairy produce. Improved methods of analysis. J. Dairy Res. 18:77-94. Ref. Feb. 1951. 44.8 J823

87076 PFÄFFLI, E. Einfache einstellung von schlagrahm auf den gewünschten fettgehalt bei annahme eines konstanten milchfettgehaltes von 3,5%. Schweiz. Milchztg. 77:381. July 20, 1951. 44.8 Sch92

87077 PROTSENKO, A., and VESELOVSKAYA, N. Yield of curds in relation to milk fat content. (In Russian.) Moloch. Promysh. 11(12):30-31. Dec. 1950. 44.8 M734

87078 ROEDER, G. Betrachtungen zu den verschiedenen verfahren zur prüfung des "frischzustandes" der milch. Molch.-Ztg. 5:805-807. July 26, 1951. 44.8 M735

87079 ROEDER, G. Ist pasteurisierte milch keimfrei? Deut. Milchhandels-Ztg. 73:242-243. (Cont.) Ref. Apr. 27, 1951. 44.8 D48

87080 ROGICK, F. A., and BURGWARD, L. H. Low-temperature-growing bacteria in milk. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:36. 1951. 44.9 Oh35M

87081 SCHUMACHER, C. E. Samples and sampling methods for the Babcock test. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:19-21. 1951. 44.9 Oh35M

87082 SHADWICK, G. W. Bacteriological problems of the ice cream manufacturers. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:63. 1950. 44.9 Oh35M

87083 SMITH, A. C. A study of the effect of additions of heat-thickened protein to fluid milk on the creaming phenomenon. Pa. State Col. Abs. Doct. Diss. 13:226-229. 1951. 241.8 P38

87084 STEWART, A. P., JR. Determination of heat-produced reducing substances in milk with porphyrin. J. Dairy Sci. 34:743-748. Ref. Aug. 1951. 44.8 J822

87085 TEAL, E. Butterfat trends and variations. Mich. Milk Messenger 33(2):10. June 1951. 44.8 M582

87086 TEMPLETON, H. L. Using the laboratory to control quality and costs of manufactured products. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:14. 1951. 44.9 Oh35M

87087 TER VEER, H. J. Creatine reaction in butter serum. II. (In Dutch.) Alg. Nederland. Zuivelbond. Off. Orgaan 43:334-335. July 4, 1951. 44.9 AL3

87088 TRENDTEL, F. Untersuchungen über die tropfenfähigkeit von evaporierter milch und trockenmilchpräparaten. II. Molch.-Ztg. 5:789-790. July 19, 1951. 44.8 M735

87089 TURNER, G. E., and NELSON, F. E. Enumeration of lactic streptococcus bacteriophage by a two-layer plate method for plaques. J. Dairy Sci. 34:754-762. Ref. Aug. 1951. 44.8 J822

87090 WILKOWSKA, H. H. A re-examination of the coliform problem. Fla. Dairy News 1(3):10-11. Apr. 1951. 44.8 F66

Consumption and Utilization

87091 BARKER, E. M. Maintaining product quality for expanding markets. (Sum.) Amer. Dry Milk Inst. Briefly 26:12-13. 1951. 44.9 Am35Br

Dried milk utilization.

87092 HOWALD, O. l'utilisation du lait et l'évolution probable du prix du lait dans les états européens. Indus. Lait. (n.s.) 57:107-114. June 1951. 44.8 In2

87093 RAMSEY, R. J. Consumer preference on ice cream flavors. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:66-69. 1951. 44.9 Oh35M

Also in Ice Cream Rev. 35(2):120-122. Sept. 1951. 389.8 Ic22

87094 ROGERS, C. A. The armed services program. (Sum.) Amer. Dry Milk Inst. Briefly 26:10-11. 1951. 44.9 Am35Br

Research in use of dried whole milk.

Distribution, Marketing, and Transportation

87095 CAMPEN, P. C. M. VAN. Problems of finance in dairy cooperatives. I-III. (In Dutch.) Alg. Nederland. Zuivelbond. Off. Orgaan 43:82-83, 94-95, 105. Feb. 14-28, 1951. 44.9 AL3

87096 ELAM, F. L. Milk merchandising. West. Dairy J. 7(10):36-39. Aug. 1, 1951. 44.8 W524

87097 FIGY, C. Michigan's big dairy industry needs better selling. Dairyland Coop. Rev., Aug. 1951:22. 44.8 D1453

87098 FLØISTAD, G. Butter once more. (In Norwegian.) Meieriposten 40:535-536. July 28, 1951. 44.8 M47

On the need for increasing butter consumption in Norway.

87099 FRENSEL, O. Central Milk Producers Cooperative, Limited, Rio de Janeiro. (In Portuguese.) B. do Leite 4(47):3-4. May 1951. 44.8 B633

87100 GUMTOW, R. Swiss cheese markets suffer from surplus—lack of merchandising. Dairyland News 21(5):8-9. May 1951. 280.28 W752

87101 GUNDLACH, G. P., and ESMOND, C. W. Selling high-protein low-fat products. Milk Dealer 40(11):48. Aug. 1951. 44.8 M595

- 87102 GYNN, G. Cream and cheese. Farmer & Stock-Breeder 65(3227):41. Aug. 28, 1951. 10 F228
Imports of quality cheese endangers market in Great Britain.
- 87103 HALL, H. Our 1950 markets. (Sum.) Amer. Dry Milk Inst. Briefly 26:4-6. 1951. 44.9 Am35Br
- 87104 HICKS, J. W. The use of physical input-output data in predicting delivery costs for concentrated fresh milk. J. Farm Econ. 33:418-420. Aug. 1951. 280.8 J822
- 87105 HOLMAN, C. W. Trends that will influence sales; from production viewpoint, industry not in happy position. South. Dairy Prod. J. 50(3):38-39, 44. Sept. 1951. 44.8 So83
- 87106 KINNEY, R. P. Better public relations needed more than ever. East. Milk Prod. 27(6):5-6, 15. June 1951. 280.28 Sh3
- 87107 LANGE, B. Auch die Milchversorgung ist eine genossenschaftliche Aufgabe. Verbraucher 5:194-195. Apr. 28, 1951. 280.28 K833
Germany.
- 87108 LEGRANDE, A. H. Four day cream delivery program. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:32-33. 1950. 44.9 Oh35M
- 87109 METZGER, H. B. A description and cost analysis of milk marketing by Pennsylvania producer-distributors, 1947-48. Pa. State Col. Abs. Doct. Diss. 13:38-41. 1951. 241.8 P38
- 87110 MILES, J. F. The supply and utilization of milk in the three principal South Carolina milk markets—Charleston, Columbia, and Greenville. S. C. Agr. Expt. Sta. B. 394, 47 p. June 1951. 100 So8
- 87111 MOELLER, H. Knowlton develops market for yogurt in San Antonio. South. Dairy Prod. J. 50(3):26-28. Sept. 1951. 44.8 So83
- 87112 NEW ZEALAND CO-OPERATIVE DAIRY CO. Thirty-second annual report and balance sheet, 31st May, 1951. Hamilton, 1951. unpag. 44.9 N488
- 87113 NORBY, J. C., and ARESVIK, O. Cooperative milk marketing in Norway. J. Farm Econ. 33:320-335. Aug. 1951. 280.8 J822
- 87114 PERRY, R. L. Tank truck collection of milk from farms. Agr. Engin. 32:478-480. Sept. 1951. 58.8 Ag83
- 87115 PETERSSON, G. Dalarna's Dairy Plant Association. (In Swedish.) Lantbrtidskr. f. Dalarna 2:48-50. Apr. 1951. 11 L29
- 87116 POMEROY, B. A. Both producers and consumers benefit through cooperatives. Dairyland Coop. Rev., Aug. 1951:5. 44.8 D1453
Dairy cooperatives.
- 87117 POWELL, S. M. Long time dairyland producer tells of cooperative's progress. Dairyland Coop. Rev., Aug. 1951:6. 44.8 D1453
- 87118 REILLY, T. J. Year 'round supply, vital to customers. (Sum.) Amer. Dry Milk Inst. Briefly 26:15. 1951. 44.9 Am35Br
- 87119 RITCHIE, W. W. Some observations on tankers for bulk milk transport. Dairy Indus. 16:736-738. Aug. 1951. 44.8 D1427
- 87120 ROBERTSON, T. B. Looking for an advertising program? Cherry-Burrell Circle 36(7/8):20-22, 27. July/Aug. 1951. 44.8 C42
Dairy products.
- 87121 RUEHE, H. A. More products for the market milk trade. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:52-54. 1950. 44.9 Oh35M
- 87122 SPEIRS, R. J. Year 'round markets vital to industry. (Sum.) Amer. Dry Milk Inst. Briefly 26:14. 1951. 44.9 Am35Br
- 87123 STONE, F. Year 'round supply for year 'round markets. (Sum.) Amer. Dry Milk Inst. Briefly 26:14. 1951. 44.9 Am35Br
- 87124 TARAIEVA, M. Circuit collection of milk and cream at the factories of Novosibirsk combine. (In Russian.) Moloch. Promysh. 11(12):27-30. Dec. 1950. 44.8 M734
- 87125 WENTWORTH, W. A. What the National Dairy Council does for the dairy industry. Calif. Dairyman 31(15):9-10. Aug. 25, 1951. 44.8 C12
Also in Ice Cream Rev. 35(2):54, 56-57. Sept. 1951. 389.8 Ic22; Milk Plant Mon. 40(9):44-45. Sept. 1951. 44.8 C864; Butter, Cheese & Milk Prod. J. 42(9):63-65. Sept. 1951. 286.85 B98Bu, and Confectionery-Ice Cream World 46(10):22-23. Sept. 3, 1951. 389.8 C767
- 87126 WERNECK, R. E. F. Report of the Central Cooperative Milk Producers Limited, Belo Horizonte, Minas Gerais. (In Portuguese.) B. do Leite 4(47):7-9, 4. May 1951. 44.8 B633
- 87127 WHANGAREI CO-OPERATIVE DAIRY CO. Forty-fourth annual report and balance sheet. Whangarei, 1951. 12 p. 280.2449 W55
- 87128 WILLIAMS, S. W. Marketing dairy products. (Abs.) Assoc. South. Agr. Workers. Proc. 48:123-124. 1951. 4 C82
Milk.

Grading, Inspection, Standardization, and Quality

- 87129 ABRAHÃO, M. Sanitary control of milk in Belo Horizonte. (In Portuguese.) B. do Leite 4(47):11. May 1951. 44.8 B633
- 87130 BABAD, J., AVIDOR, J., and SHENHAV, A. Fractionation of whey proteins as a means of grading milk powders and detecting adulteration of fresh milk with milk powder. Israel. Res. Council. B. 1:98-108. Mar. 1951. 330.9 Is72B
- 87131 BABEL, F. J. Antibiotics and quaternaries in the milk supply. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:22-23. 1951. 44.9 Oh35M
- 87132 BARKER, E. M. Maintaining milk powder quality for expanding markets. Canad. Dairy & Ice Cream J. 30(8):36-37, 64. Aug. 1951. 44.8 C162
- 87133 BEHMER, M. L. A. Value of milk sanitation. (In Portuguese.) B. do Leite 4(47):13, 4. May 1951. 44.8 B633
- 87134 BERGER, H. Das deutsche milch- und fettgesetz. Österr. Milchwirt. 6:185-186. (Cont.) July 7, 1951. 44.8 Os72
- 87135 BERGMAN, T. How does the Penicillin Control Board function? (In Swedish.) Ladugården 7:211. July 1951. 44.8 L12
In relation to milk.
- 87136 BRYANT, C. B. A. Miami achieves highest dairy standards through cooperation with [Dade County] Health Department. Fla. Dairy News 1(3):34, 37. Apr. 1951. 44.8 F66
- 87137 CAULFIELD, W. J. A quality control program for market milk plants. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:20-21. 1950. 44.9 Oh35M
- 87138 CHALMERS, C. H. Watch that cream line—it's important. Dairyman 68:461-463, 473. Aug. 1951. 44.8 D1426
Factors affecting fat content and quality of milk.
- 87139 CROWE, L. K. Some troublesome flavors in our market milk. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:44. 1951. 44.9 Oh35M
- 87140 ECKERSLEY, J. The administration of the milk regulations of 1949: some observations on their operation. Roy. Sanit. Inst. J. 71:501-511. Sept. 1951. 44.9 R812
Includes discussion.
Great Britain.
- 87141 EDDISON, R. T., and others. Keeping quality and raw-milk grading. II-III. J. Dairy Res. 18:43-71, 166-192. Ref. Feb., June 1951. 44.8 J823
II, The effect of storage on the results of keeping quality and dye tests, by R. T. Eddison, O. Kempthorne, Z. Hosking, H. Barkworth, C. P. Cox, and A. Rowlands; III, Comparison of keeping quality tests and dye tests in milk control (results of a field trial), by A. Rowlands, and Z. Hosking.
- 87142 ES, D. J. VAN. Quality research of milk in relation to machine milking. (In Dutch.) Alg. Nederland. Zuivelbond. Off. Orgaan 43:68. Feb. 7, 1951. 44.9 AL3
- 87143 FÖRG, F. Vorschläge für die zukünftige molkerel-bakteriologische betriebskontrolle. Gross-Städtische Milchversorgung 7:29-43. 1950. 44.8 G91
Germany.
- 87144 FREEMAN, T. R. Milk quality: some modern viewpoints. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:37-38. 1951. 44.9 Oh35M
- 87145 GREGORY, H. W. The industry's responsibility in quality improvement of manufactured products. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:6-9. 1951. 44.9 Oh35M
Indiana.
- 87146 HARMAN, T. D. A quality survey of Ohio's fruit and nut ice cream. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:48-49. 1951. 44.9 Oh35M
Also in Ice Cream Rev. 35:100. Aug. 1951. 389.8 Ic22
- 87147 HUISMAN, H. J. Flavor changes in consumer milk. (In Dutch.) In Winkel en Wijk 4:33-34. May 1951. 286.85 W722
- 87148 HUNNICUTT, O. L. What can we do about the quality milk program in Ohio. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:25. 1950. 44.9 Oh35M

- 87149 KELLER, H. Ansaure milch in der molkerei unbrauchbar. Unser Milchvieh 3(6):5-6. June 1951. 43.8 Un7
- 87150 LAMBERT, W. A. What is real quality? Ice Cream Field 58(2):61. Aug. 1951. 389.8 Ic23
- 87151 MARTIN, G., and JULIEN, J. P. Off flavours in Quebec butter. Canad. Dairy & Ice Cream J. 30(8):44,46, 54. Ref. Aug. 1951. 44.8 C162
- 87152 MÜLLER, O. Die amerikanischen käsenormen. Schweiz. Milchztg. 77:437-438. Aug. 24, 1951. 44.8 Sch92
- 87153 MÜLLER, O. Die amerikanischen schmelz-käsenormen. Schweiz. Milchztg. 77:449-450. Aug. 31, 1951. 44.8 Sch92
- 87154 MUSSETT, A. T. Flavor deterioration associated with the lipid phase of whole milk powder. Pa. State Col. Abs. Doct. Diss. 13:222-224. 1951. 241.8 P38
- 87155 NERI, A. Research on extraneous fats of animal origin in butter. (In Italian.) Latte 25:196,214. May 10, 1951. 44.8 L35
- 87156 OLIVERO BLANCO, C. A. Normas generales que rigen las presentaciones ante la administración nacional: exportación de productos lácteos. Indus. Lech 33:252,254-257. (Cont.) May 1951. 44.8 In26 Argentina.
- 87157 PRESTON, H. J. Distributor, producer, and consumer knowledge and opinion of the Pennsylvania Milk Control Commission and its regulatory functions. Pa. State Col. Abs. Doct. Diss. 13:43-48. 1951. 241.8 P38
- 87158 RUSHTON, F. The public health veterinarian in relation to milk production. Canad. J. Compar. Med. 15:177-185. Ref. Aug. 1951. 41.8 C162
- 87159 SAINT-QUENTIN, M. Derniers résultats de notre enquête: Le lait dont on ne peut faire du beurre. Rustica 24:688-689. July 29, 1951. 14 R92
- 87160 SHOGREN, C. B. Suggestions of interest to southerners; quality milk production. South. Dairy Prod. J. 50(3):118-121,124. Sept. 1951. 44.8 So83
- 87161 SLACK, R. O. The Federal Government and Ohio's quality program. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:4-5. 1951. 44.9 Oh35M Dairy products grading and inspection.
- 87162 SPÄTH. Gedanken zu den ergebnissen der milchleistungsprüfungen vom jahr 1950. Württemb. Wchnbl. f. Landwirt. 118:651-652. Aug. 11, 1951. 18 W96
- 87163 STROBEL, D. R. "Pros" and "cons" of grades for manufacturing milk. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:32-33. 1951. 44.9 Oh35M
- 87164 VLEESCHAUWER, A. DE, NAUDTS, M., and HENDRICKX, H. Study about the quality of pasteurised milk. (In Flemish.) Gent. Landhogesch. Meded. 15:880-927. Dec. 1950. 105.1 G344 English summary. In East and West Flanders.
- 87165 WATROUS, G. H. Antibiotics and quaternaries in milk. Milk Plant Mon. 40(9):25-26. Sept. 1951. 44.8 C864
- 87166 WEINSTEIN, B. R., and others. The solar-activated flavor of homogenized milk. V. J. Dairy Sci. 34:784-789. Aug. 1951. 44.8 J822
- H. A. Lillevik, C. W. Duncan, and G. M. Trout, joint authors.
- 87167 WILKOWSKE, H. H., KRIENKE, W. A., and FOUTS, E. L. What effect does treatment for mastitis have on the milk to be made into dairy products. (Abs.) Assoc. South. Agr. Workers. Proc. 48:86-87. 1951. 4 C82
- 87168 WILSENS, A., and VLEESCHAUWER, A. DE. Investigations about Escherichia coli in water supplies of dairy plants. (In Flemish.) Gent. Landhogesch. Meded. 15:952-959. Ref. Dec. 1950. 105.1 G344 English summary.

Packing and Packaging

- 87169 DEANE, D. D., and DOWNS, P. A. Flexible wrappers for Cheddar cheese. J. Dairy Sci. 34:767-775. Ref. Aug. 1951. 44.8 J822
- 87170 HARRISON, T. B. Use proper cream and milk cans. Swift's Dairy & Poultry News 6:9. Winter 1951. 49.9 Sw5
- 87171 JACOBSEN, D. H. Efficient can washer operation. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:57-59. 1950. 44.9 Oh35M
- 87172 KIRKPATRICK, J. T. Progress in packaging. Ice Cream Field 58(2):26,62. Aug. 1951. 389.8 Ic23

- 87173 KRISMER, K. Die verpackung und verteilung der konsummilch. Osterr. Milchwirt. 5:68-69. Mar. 7, 1951. 44.8 Os72
- 87174 MANNING, G. To cut milk can retinning costs--rotation helps. Sealtest Dairyman 5(4):14. July/Aug. 1951. 44.8 Se1
- 87175 MONSEN, K. J. The present packaging situation. (In Norwegian.) Meteriposten 40:459-461. June 30, 1951. 44.8 M47 For dairy products.
- 87176 SCHWARZKOPF, V. Getting the best from your can washer. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:46-47. 1951. 44.9 Oh35M

Prices, Price Control, and Rationing

- 87177 ALEXANDER, W. H. Formula pricing of milk in the South. (Abs.) Assoc. South. Agr. Workers. Proc. 48:17-18. 1951. 4 C82
- 87178 ASHMEN, R. A study of collecting and reporting wholesale butter prices at Chicago by the United States Department of Agriculture, 1938-1939. Nowest. U. Sum. Doct. Diss. 18:191-196. June/Sept. 1950. 241.8 N81
- 87179 BEUKERING, C. H. J. The butter position and import from West Germany. (In Danish.) Landb. Vereld-nieuws 6:495-496. Aug. 4, 1951. 12 L237 Chiefly prices. Netherlands.
- 87180 BUHLE, Der neue milchpreis. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1152-1153. Aug. 9, 1951. 18 L2346
- 87181 COTTON, W. P. Relationship of State milk price legislation and workable milk pricing formulas. (Abs.) Assoc. South. Agr. Workers. Proc. 48:18-19. 1951. 4 C82
- 87182 CROWTHER, H. A. H. Above and below the line. Farmers Wk. [London] 35(8):51. Aug. 24, 1951. 10 F2226 Payment for milk on a quality basis in British Columbia.
- 87183 EMERY, H. J. Parity prices of milk and butterfat. Washington, U. S. Prod. & Mktg. Admin., 1951. 10 p. 1.956 D14Em3 Address, National Creameries Association annual meeting, Pequot, Minn., June 20, 1951.
- 87184 HIRSCH, D. E. Problems of pricing milk in the fluid milk markets under the classified system. Milk Dealer 40(11):52,54,56-58. Aug. 1951. 44.8 M595
- 87185 MARTIN, K. L. This guaranteed price! Industry cannot expect floor without accepting ceiling. New Zeal. Dairy Exporter 27(2):39-40. Aug. 1951. 44.8 N484
- 87186 MILES, J. F. Milk prices and pricing practices in the Charleston, Columbia and Greenville markets. S. C. Agr. Expt. Sta. B. 395,36 p. June 1951. 100 So8
- 87187 PARODNECK, M. The secret of high milk prices. Noeast. Union Farmer 10(5):7. May/June 1951. 280.28 F227
- 87188 SCHIELLEIN, F. Zur einföhrung des sommer-preises der milch. Bas-Rhin Agr. 6:169-170. Apr. 14, 1951. 14 B29
- 87189 SELLECK, P. M. Higher manufactured milk prices urged. East. Milk Prod. 27(6):14. June 1951. 280.28 Sh3
- 87190 SOMMERKAMP, G. Der kampf gegen den milchpreis. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1251-1252. Aug. 30, 1951. 18 L2346
- 87191 SONCHUS. Milk price control. (In Dutch.) Zuivelbereiding en -Handel 57:553,555. July 17, 1951. 44.8 N282 Netherlands.
- 87192 SPEINLE, X. Die fettgehalts- und qualitäts-bezahlung der milch im Allgäu. Allgäuer Bauernbl. 19:253-255. May 10, 1951. 18 AL53
- 87193 TIEDEMAN, E. W. The dairy industry under price control. DPMA News 11(8):8-11. May 1951. 280.28 D144 Includes discussion of parity.
- 87194 U. S. PRODUCTION AND MARKETING ADMIN. Reporting of cream prices at New York City. Washington? 1951. 3 p. 1.956 D14R29
- 87195 U. S. PRODUCTION AND MARKETING ADMIN. DAIRY BR. Compilation of statistical material concerning the proposed marketing agreement and order for the southern Illinois Marketing Area. Washington, 1950. unpag. 1.956 D14C7322 Includes prices of dairy products.

87196 VIAL, E. E. Condensery price relationships; some interesting comparisons between its recent course and the levels of feed, meat animals and general farm products. *Amer. Dairy Prod. Mfg. Rev.* 13(3):10-11, 37. Mar. 1951. 44.8 Am37

Prices paid by condenseries for milk.

Processing and Storage

87197 ADAMSE, A. D. The preparation of artificial buttermilk in the United States. (In Dutch.) *Alg. Nederland. Zuivelbond. Off. Orgaan* 43:116. Mar. 7, 1951. 44.9 AL3

87198 AMERICAN DRY MILK INSTITUTE. Briefly—your 26th annual meeting, April 17-18, 1951. Chicago, 1951. 17 p. 44.9 Am35Br

87199 ANGEVINE, N. C. Making a quality cottage cheese. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 17:68-72. 1950. 44.9 Oh35M

87200 ANGEVINE, N. C. Preparing and maintaining good starters. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 17:64-67. 1950. 44.9 Oh35M

87201 BEARDSLEE, C. E. The materials situation. (Sum.) *Amer. Dry Milk Inst. Briefly* 26:9-10. 1951. 44.9 Am35Br

For processing dairy products.

87202 BEATTY, J. F., JR. Here's looking at you; the successful quality control supervisor must be a combination dairy technologist, field man, sanitary inspector, research man, cost accountant and taste test expert. *South. Dairy Prod. J.* 50(3):40-41. Sept. 1951. 44.8 So83

87203 BENK, E. Molke- und Reinigungs-mittel. *Molk.-Ztg.* 5:857-858. Aug. 9, 1951. 44.8 M735

87204 BIRD, E. W., and NIELSEN, V. H. An evaluation of errors in the composition control of butter. *Amer. Dairy Prod. Mfg. Rev.* 13(6):30-35. June 1951. 44.8 Am37

87205 BORGSTRÖM, G. New ways of preserving milk. (In Swedish.) *Ladugården* 7:203-205. July 1951. 44.8 L12

87206 BURKS, A. J. Carl Laderach's cheese wheels. *Amer. Dairy Prod. Mfg. Rev.* 13(6):12, 14, 16. June 1951. 44.8 Am37

Swiss cheese manufacture.

87207 CABRAS, F. Sanitary processing of sheep's milk cheese. (In Italian.) *Agr. Tosc.* 6:288-291. Aug. 1951. 16 Ag827

87208 CAULFIELD, W. J. Some factors influencing the quality of ice cream. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 17:27-28. 1950. 44.9 Oh35M

87209 CENTRICH SUREDA, J. Una nueva aplicación del frío en la conservación de los alimentos. *Veterinaria* 15:635-637. Aug. 1951. 41.8 V6429

Freezing of milk.

87210 COLLINS, W. F. Stabilizers and emulsifiers. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 18:61-63. 1951. 44.9 Oh35M

For ice cream.

87211 CROCKER, C. K. Variations in the characteristics of *E. coli* induced by quaternary ammonium compounds. *J. Milk & Food Technol.* 14:138-141. July/Aug. 1951. 44.8 J824

87212 CROWE, L. K. Ice cream flavor ingredients. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 18:50. 1951. 44.9 Oh35M

87213 DAIRY RESEARCH INSTITUTE (N. Z.). Annual report 1949-50. Palmerston North, 1951. 19 p. 44.9 D146A

87214 DEANE, D. D. Preliminary studies of the effect of acido-proteolytic organisms and temperatures of curing on the ripening of Cheddar cheese made from pasteurized milk. *J. Dairy Sci.* 34:776-783. Ref. Aug. 1951. 44.8 J822

87215 DEMMLER, G. Ergebnisse der hygienisch-bakteriologischen betriebskontrolle eines milchwirtschaftlichen grossbetriebs. *Gross-Städtische Milchversorgung* 7:19-28. 1950. 44.8 G91

Germany.

87216 DRUSENDAHL, L. G. Sweeteners in ice cream. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 18:51-57. 1951. 44.9 Oh35M

87217 DUNKEL, K. Kühlung für den milchhandel. *Kälte* 4:114-116. May 1951. 295.8 K122

Equipment.

87218 ENGESAETER, E. Milk sugar and the stirring of whey cheese. (In Norwegian.) *Meieriposten* 40:483-485. July 7, 1951. 44.8 M47

87219 ERSKINE, R. C., JR. Why cool milk. (Excerpts.) *Dairy & Poultry News* 6(3):1. Summer 1951. 49.9 Sw5

87220 EVENHUIS, N. The estimation of acids. I-II. (In Dutch.) *Alg. Nederland. Zuivelbond. Off. Orgaan* 43:382, 394-396. Aug. 1-8, 1951. 44.9 AL3

In butter manufacture.

87221 EWBANK, F. C. Farm tank cooling—delivery of milk. *Mich. Milk Messenger* 33(2):4. June 1951. 44.8 M582

87222 FAIRBANKS, B. W. Service every day. (Sum.) *Amer. Dry Milk Inst. Briefly* 26:3-4. 1951. 44.9 Am35Br

Work of the American Dry Milk Institute.

87223 FORSTER, E. H. Making the freezing operation contribute to quality and efficiency. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 17:24. 1950. 44.9 Oh35M

Ice cream.

87224 FOUTS, E. L. Dairy men can meet the challenge of concentrated fresh milk. *Fla. Dairy News* 1(5):14-15, 28-29. Aug. 1951. 44.8 F66

87225 FOWLER, K. R. Efficient and effective plant cleaning practices. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 18:42-43. 1951. 44.9 Oh35M

87226 FOX, H. U.S.A. industry: quick-frozen milk. *Milk Indus.* 32(2):53-56. Aug. 1951. 44.8 M593

87227 FREEMAN, T. R. Formulating a well-balanced ice cream. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 18:64-65. 1951. 44.9 Oh35M

87228 GRABER, E. A. Sanitary engineering design and ice cream manufacturing. *Ohio. State U. Abs. Mater. Dairy Technol. Conf.* 17:37-39. 1950. 44.9 Oh35M

87229 GREENBANK, G. R., and WRIGHT, P. A. The deaeration of raw whole milk before heat treatment as a factor in retarding the development of the tallowy flavor in its dried product. *J. Dairy Sci.* 34:815-818. Aug. 1951. 44.8 J822

87230 GRIGORIAN, A., and BALAGIAN, R. New [cheese] factories in Armenian SSR. (In Russian.) *Moloch. Promysh.* 11(12):23-27. Dec. 1950. 44.8 M734

87231 GUIDAZIO, C. F. Precauciones higiénicas que deben observarse para producir leche con bajo contenido bacteriológico. *Uruguay. Inst. Nac. de Colon. B. Anexo* 2(14):12. Mar. 1951. 282.29 Ur8

87232 HANKINSON, D. J. Analyzing production costs. *Ice Cream Rev.* 35:104-107. Aug. 1951. 389.8 Ic22

87233 HATCHONDO, J. S. Elaboración de manteca en la chacra. *Charla Rur.* 150:12, 15. Apr. 1951. 9 C37

87234 HAVIGHORST, C. R. Revolutionary advance in dairy engineering: permanent welded pipelines. *Food Engin.* 23(9):74-79. Sept. 1951. 389.8 F737

87235 HENDRICKX, H., and VLEESCHAUWER, A. DE. Technical study about the preparation of Saint-Paulin. (In Flemish.) *Gent. Landbhogesch. Meded.* 15:928-951. Dec. 1950. 105.1 G344

English summary.

236 HERZER, F. H. Problems involved in development and maintaining a manufacturing milk industry in the South. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:91-92. 1951. 4 C82

87237 HEUPKE, W. Sauermilchprodukte und ihre therapeutische anwendung. *Milchwissenschaft* 6:279-282. Aug./Sept. 1951. 44.8 M5933

English summary.

Includes preparation of fermented milk products.

87238 HIRSCH, A., and GRINSTED, E. The differentiation of the lactic streptococci and their antibiotics. *J. Dairy Res.* 18:198-204. Ref. June 1951. 44.8 J823

87239 HIRSCH, A., and others. A note on the inhibition of an anaerobic sporeformer in Swiss-type cheese by a nisin-producing streptococcus. *J. Dairy Res.* 18:205-206. June 1951. 44.8 J823

E. Grinstead, H. R. Chapman, and A. T. R. Mattick, joint authors.

87240 HOLLAND, B. K., and WINDER, W. C. Preparation of modified skimmilk. *Milk Dealer* 40(11):43, 92-96. Aug. 1951. 44.8 M595

87241 HOOD, E. G. Safeguarding butter from bacterial deterioration. (Extr.) *Milk Messenger* 28(8):3, 6-8. (Cont.) Aug. 1951. 44.8 M5925

Sanitation in manufacture.

87242 JOHNS, C. K. The application of chemical germicides. *Milk Plant Mon.* 40(9):72-74. Sept. 1951. 44.8 C864

87243 JOHNS, C. K. The germicidal effectiveness of a new chlorine compound. *J. Milk & Food Technol.* 14:134-136. Ref. July/Aug. 1951. 44.8 J824

87244 JOHNSEN, F. L. New enterprises in the goat industry approved by the Department of Agriculture. (In Norwegian.) *Meieriposten* 40:469-471. June 30, 1951. 44.8 M47

Improving the quality of goat cheese.

- 87245 KONOKOTIN, L. We shall start new milk-canning factories. (In Russian.) Moloch. Promysh. 11(12):10-11. Dec. 1950. 44.8 M734
- 87246 KOZHARIN, K. Filters for milk [clarification]. (In Russian.) Moloch. Promysh. 11(12):21-23. Dec. 1950. 44.8 M734
- 87247 KRETSCHMER, K. Frischkäse, ihre herstellung und bedeutung. Osterr. Milchwirt. 5:67. Mar. 7, 1951. 44.8 Os72
- 87248 KRISHNASWAMY, M. A. Microbial changes in butter during storage. Bombay. U. J. Sect. A, Phys. Sci. (n.s.) 19:21-25. Ref. Mar. 1951. 513-B633
- 87249 LEAR, S. A., and FOSTER, H. G. Effect of preheating time on the inactivation of phosphatase in milk. J. Milk & Food Technol. 14:131-133, XI. July/Aug. 1951. 44.8 J824
- 87250 LEWIS, R. E. Hardening room management. South. Dairy Prod. J. 50(3):56-57, 62. Sept. 1951. 44.8 So83
- 87251 LYNCH, C. Australian dairy products plant employs modern equipment. Amer. Dairy Prod. Mfg. Rev. 13(6):18-19, 41. June 1951. 44.8 Am37
- 87252 MACDONALD, L. Simple sanitation pays a bonus. Sealtest Dairyman 5(4):15. July/Aug. 1951. 44.8 Se1
- Dairy farms.
- 87253 MCGLASSON, E. D. Improved methods of recovering solids of cheese whey. Amer. Dairy Prod. Mfg. Rev. 13(6):38-41. June 1951. 44.8 Am37
- 87254 MANN, A. Candies for ice cream production. Ice Cream Trade J. 47(8):36, 81. Aug. 1951. 389.8 Ic2
- Also in Ice Cream Rev. 35:94. Aug. 1951. 389.8 Ic2 and South. Dairy Prod. J. 50(3):34-35. Sept. 1951. 44.8 So83
- 87255 MATTICK, J. F. A "Romano type" grating cheese. A study of the effect of some factors on the rate of flavor and body and texture development. Pa. State Col. Abs. Doct. Diss. 13:218-221. 1951. 241.8 P38
- 87256 MILLIGAN, W. Refrigeration applied to milk and ice cream. II. Dairy Indus. 16:754-757, 766. Aug. 1951. 44.8 D1427
- 87257 MILSTEAD, K. L. A critical inspection of the butter and cheese industry. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:23. 1950. 44.9 Oh35M
- Sanitation.
- 87258 MOORE, D. R., TRACY, P. H., and ORDAL, Z. J. Permanent pipe lines for dairy plants. J. Dairy Sci. 34:804-814. Ref. Aug. 1951. 44.8 J822
- 87259 MULL, L. E. Removal of extraneous matter makes necessary filtering and clarifying of milk. Fla. Dairy News 1(4):12-13. June 1951. 44.8 F66
- 87260 MULVANY, J. L. Reseña sobre la pasteurización de la leche en la elaboración de quesos. Indus. Lech. 33:237-238, 240, 242-243, 246, 249-251, 264, 266-270, 309-315, 317-319. (Cont.) Ref. May-June 1951. 44.8 In26
- 87261 NAYLOR, R. W. Milk hygiene in New Zealand. Dairyman 68:465-466. Aug. 1951. 44.8 D1426
- 87262 NELUBIN, N. My method of work. (In Russian.) Moloch. Promysh. 11(12):5-9. Dec. 1950. 44.8 M734
- Butter manufacture at Dalmatovskii butter factory.
- 87263 OHIO. UNIVERSITY. DEPT. OF DAIRY TECHNOLOGY. Abstracts of material presented at 18th annual dairy technology conference, February 6 to 9, 1951. Columbus, 1951. 71 p. 44.9 Oh35M
- Library has also report of the 17th annual conference, held Feb. 7-10, 1950, 73 p.
- 87264 PETERS, N. J. Operation and service tips on dairy equipment. Ice Cream Rev. 35:44-45, 80-81. Aug. 1951. 389.8 Ic22
- Also in Milk Dealer 40(11):50-51, 107-110. Aug. 1951. 44.8 M595
- 87265 PETERSEN, N. Die herstellung von lab- und säurekasein. I. Herstellung von labkasein. Molk.-Ztg. 5: 859-860. Aug. 9, 1951. 44.8 M735
- 87266 RADEMA, H. The "Jongia" washing machine for centrifuge plates. (In Dutch.) Alg. Nederland. Zulvelbond. Off. Orgaan 43:343. July 11, 1951. 44.9 AL3
- 87267 READING UNIVERSITY. NATIONAL INSTITUTE FOR RESEARCH IN DAIRYING. Report, 1950. Sharnfield, 1951. 97 p. 44.9 N211
- 87268 RESCIGNO, G. Vitamin C to retard oxidative changes of butter in trade. (In Italian.) Latte 25:292, 300. July 1951. 44.8 L35
- 87269 RESUGGAN, J. C. L. The use of deciquam in the dairy industry. So. African Dairyman 13:175, 178. July 1951. 44.8 So822
- Didecylidimethylammonium bromide, a quaternary ammonium compound.
- 87270 RUTLEDGE, C., JR. Glass lines for the dairy plant. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:45. 1951. 44.9 Oh35M
- 87271 SAUTER, E. Das Siemens ultraviolett (UV)-milch-vitaminisiergerät. Milchwissenschaft 6:314-315. Aug./Sept. 1951. 44.8 M5933
- English summary.
- 87272 SCHUCHARDT, W. Die farbvitamine der milch und ihre verwendung zum färben von milchprodukten. Milchwissenschaft 6:304-305. Aug./Sept. 1951. 44.8 M5933
- English summary.
- β -carotene and lactoflavine.
- 87273 SCHWARZ, G., and MUMM, H. Ueber einige versuche auf dem gebiete der käsererei. Molk.-Ztg. 5:786-788. July 19, 1951. 44.8 M735
- 87274 SEELEMANN, M., PILZ, W., and MEYER, A. Pro oder contra kurzzeiterhitzung der milch. Monatsh. f. Prakt. Tierheilk. (n.s.) 3:142-151. Ref. 1951. 41.8 M74
- 87275 SIMONET, R. A. Chocolate milk of high quality. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18: 39-41. 1951. 44.9 Oh35M
- 87276 SIMONET, R. A. Making a good chocolate ice cream. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 18:58-60. 1951. 44.9 Oh35M
- 87277 SLUIS, K. J. H. VAN. Dutch research on whey proteins. Food Mir. 26:355-356. Sept. 1, 1951. 389.8 F736
- 87278 STENERSEN, A. As a cheese maker in U.S.A. (In Norwegian.) Meieriposten 40:514-516. July 21, 1951. 44.8 M47
- 87279 STITTS, T. G. As I view it. (Sum.) Amer. Dry Milk Inst. Briefly 26:17. 1951. 44.9 Am35Br
- The dry milk industry.
- 87280 SUTHERLAND, R. Cheese factory centennial. Amer. Dairy Prod. Mfg. Rev. 13(6):2-4, 44-45. June 1951. 44.8 Am37
- 87281 THOMSEN, H. Die kühlung der milch auf dem bauernhofe. Unser Milchvieh 3(6):3-4. June 1951. 43.8 Un7
- 87282 THOMSEN, L. C. Applying engineering practices to increase efficiency in an ice cream plant. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:7-10. 1950. 44.9 Oh35M
- 87283 TRINKMILCHHYGIENE, frühjahrstagung in Goslar am Harz vom 26.-28. april 1950. Gross-Städtische Milchversorgung 7, 48 p. 1950. 44.8 G91
- 87284 WARING, F. H. Water pollution control in Ohio application to milk processing industry. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 17:40-43. 1950. 44.9 Oh35M
- 87285 WHITCOMB, G. W. American Dry Milk Institute meets. Amer. Dairy Prod. Mfg. Rev. 13(6):20, 22-23, 26-28. June 1951. 44.8 Am37
- 87286 WILCOX, S. A. Milk drying. Dairy Indus. 16: 739-741. Aug. 1951. 44.8 D1427
- 87287 WILDASIN, H. L. Studies on protein flocculation in milk and milk products as a result of frozen storage. Pa. State Col. Abs. Doct. Diss. 13:230-232. 1951. 241.8 P38
- 87288 ZUCKERMAN, S. Food colors for ice cream and sherbet. (Excerpts.) Ice Cream Rev. 35:97. Aug. 1951. 389.8 Ic22

Statistics

- 87289 BENGTON, O. The dairy industry in Västerbotten Province year 1949. (In Swedish.) Västerbotten 4:120-122. July 1950. 11 V442
- Statistics.
- 87290 EXCLUSIVE analysis by states of gallonage, 1951. Ice Cream Trade J. 47(8):22-24, 79. Aug. 1951. 389.8 Ic2
- Production statistics.
- 87291 GMELIN. Die süddeutschen milchleistungen. Bad. Landwirt. Wchnbl. 118:504-505. Aug. 25, 1951. 18 B142
- Statistics.
- 87292 SCHWEIZERISCHES BAUERNSEKRETARIAT. Milchstatistik der Schweiz 1950. Landwirt. Jahrb. der Schweiz 65:533-603. 1951. 17 L23

FEED AND FORAGE CROPS

- 87293 ADMONT, P. L'utilisation rationnelle de l'herbe en Hollande. B. des Engrais 332:106-108. June 1951. 57.8 B87
- Drying.

- 87294 ALTHOUSE, S. L. Bulk [feed] delivery going strong. Hatchery & Feed 25(9):12-13,56-57. Sept.1951. 47.8 H28
- 87295 BAKER, W. S. What the feed manufacturer expects in fish meal. Grain & Feed J. Consolidated 107(4):31. Aug.22,1951. 298.8 G762
- Standards.
- 87296 BERGER, W. C. Feed trends and patterns. Grain & Feed J. Consolidated 107(5):26-30. Sept.12,1951. 298.8 G762
- 87297 BISSETT, O. W., and VELDHUIS, M. K. Hygroscopic characteristics of dried citrus pulps containing citrus molasses. Feedstuffs 23(36):26,28,30-31. Sept.8, 1951. 286.81 F322
- 87298 BORZHKOVSKIĬ, S. E., and GOL'DBERG, S. G. Methods for determining lactic, acetic and butyric acids in silages. (In Russian.) Vsesoiuzn. Nauch. Issled. Inst. Kormleniia Sel'skokhoz. Zhivotn. Trudy 1:312-316. 1950. 389.79 D85
- 87299 BRÜNNER. Zur bewertung von wiesenheu. Neue Mitt. 1. die Landwirt. 6:292-294. May 12,1951. 13 N39
- Composition.
- 87300 BURNS, L. V. Weighing systems for feed manufacturing; a review of the various types of intermittent and continuous weighing systems for compounding feeds. Feed Age 1(8):23-28. Aug.1951. 389.78 F327
- 87301 BUYSE, F., and BAETS, T. Directives pour la prise d'échantillons de fourrages produits à la ferme. Rev. de l'Agr. 4:843-850. July 1951. 13 R322
- English summary.
- 87302 CANADA. BUR. STATISTICS. AGRICULTURE DIV. CROPS SECT. The feed situation in Canada. Canada. Bur. Statis. Agr. Div. Coarse Grains Q. 10(4):1-4. Aug.1951. 253 C1625Ca
- 87303 ELAM, F. L. How about tarps? "Just as good as a barn," says a farmer who stores his hay this economical way. West. Livestock J. 29(48):68-69. Aug.15, 1951. 6 F2278
- 87304 ESKEDAL, H. W. On the home production of sufficient feed. (In Danish.) Dansk Landbr. 70:351-353. Aug.2,1951. 280.28 V91
- Feed statistics.
- 87305 ETHEREDGE, M. P. Report on feeding stuffs. Assoc. Off. Agr. Chem. J. 34:548. Aug.15,1951. 381 As7
- Analysis.
- 87306 FORMULA feeds: how's business? A Feedstuffs feature. Feedstuffs 23(35):2,59. Sept.1,1951. 286.81 F322
- 87307 FRANCIS, M. Better egg quality means bigger feed sales. Feedstuffs 23(36):42-43. Sept.8,1951. 286.81 F322
- 87308 HOFFMAN, H. H. Report on crude fat or ether extract. Assoc. Off. Agr. Chem. J. 34:558-559. Aug.15,1951. 381 As7
- In feed.
- 87309 HUNT, H. M. Paper [feed] sacks are proving popular. Broiler Growing 2(9):16,47-48. Sept.1951. 47.8 B782
- 87310 HUNTER, W. L. Report on crude fiber. Assoc. Off. Agr. Chem. J. 34:557. Aug.15,1951. 381 As7
- Determination in feed.
- 87311 HURST, W. M. Feed grinding and mixing as a rural enterprise. (Abs.) Assoc. South. Agr. Workers. Proc. 48:32-33. 1951. 4 C82
- 87312 KIRSCH. Schlüssel zur heubewertung. Neue Mitt. f. die Landwirt. 6:260-261. Apr.28,1951. 18 N39
- Composition.
- 87313 KLEIN, G. T. Bulk delivery of feed is on the way. New Eng. Homestead 124(17):49-50. Sept.8,1951. 6 N442
- 87314 KNOBLICH. Gedanken zur heuernte 1951 im Sauerland. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1157. Aug.9,1951. 18 L2346
- 87315 LUBER, J. R., JR. It pays to read that feed bag tag. Md. Farmer 35(8):22. Aug.1951. 6 M362
- Analysis and list of ingredients.
- 87316 MACKINTOSH, J. New National Cattle Foods—based on dried grass or lucerne and cereals. II. Farmer & Stock-Breeder 65(3223):78. Aug.21,1951. 10 F228
- Composition and use of National Cattle Food, No. 6 (Dairy) and National Cattle Food, No. 7 (Feeding) in Great Britain.
- 87317 MADSEN, J. K. LA C. Grow less roughage. (In Danish.) Dansk Landbr. 70:169-170. Apr.5,1951. 280.28 V91
- 87318 MARTIN, J., and BUYSE, F. Appréciation de la qualité des fourrages ensilés. Rev. de l'Agr. 4:851-855. July 1951. 13 R322
- English summary.
- 87319 MERWIN, R. T. Report on sulfa drugs in feeds. Assoc. Off. Agr. Chem. J. 34:559-562. Aug.15,1951. 381 As7
- 87320 MORRISON, F. B. Evaluating feeding stuffs. Feedstuffs 23(33):28-32. Aug.13,1951. 286.81 F322
- Nutritive value determination.
- Also in Flour & Feed 52(4):5-6. Sept.1951. 298.8 F66
- 87321 MUNDE. Betrachtungen zur künstlichen trocknung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1060-1061. July 19,1951. 18 L2346
- Feed.
- 87322 NIESCHLAG, F. Über die art der werbung des winterfutters von grünland. Landwirtbl. Weser-Ems 98:520-522. June 14,1951. 18 L2345
- Methods of feed preservation.
- 87323 NORTH CAROLINA. DEPT. OF AGRICULTURE. North Carolina feed report, 1949-1950. N. C. Dept. Agr. B. 120,148 p. Nov.1950. 2 N81B
- Analyses.
- 87324 PENNSYLVANIA. DEPT. OF AGRICULTURE. BUR. OF FOODS AND CHEMISTRY. Feeding stuffs report for the year 1950. Pa. Dept. Agr. B. 637,37 p. July/Aug.1951. 2 P38B
- 87325 ST. JOHN, J. L. Report on mineral constituents of mineral feeds. Assoc. Off. Agr. Chem. J. 34:563-564. Aug.15,1951. 381 As7
- 87326 SCHOCH, W. Über den einfluss der wasserstoffionenkonzentration auf die inversion der saccharose bei der bestimmung des zuckergehaltes von futter- und zuckerrüben. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:242-250. 1951. 389.9 Sw6
- 87327 SHRADER, J. A. Report on microscopic analyses. Assoc. Off. Agr. Chem. J. 34:554-557. Aug.15,1951. 381 As7
- Feed.
- 87328 STANSBY, M. E. Report on fat in fish meal. Assoc. Off. Agr. Chem. J. 34:549-554. Aug.15,1951. 381 As7
- Determination.
- 87329 STROMNES, I. J. OPS feed trade regulations. Flour & Feed 52(4):18. Sept.1951. 298.8 F66
- 87330 WAUGH, F. V. The minimum-cost dairy feed (an application of "linear programming"). J. Farm Econ. 33:299-310. Aug.1951. 280.8 J822
- 87331 WEISS, H. Bezeichnung der futtermittel und futtermittelgesetz. Mühle 88:494. July 26,1951. 298.3 M89
- Germany.
- 87332 WELDON, C. D. Feed grinding on the farm. (Abs.) Assoc. South. Agr. Workers. Proc. 48:33-34. 1951. 4 C82

FIBERS AND TEXTILES

- 87333 ABBASI, A. H. Future of silk industry in East Pakistan. Cotton & Textiles J. 1(7):27-28. June 1951. 304.8 C825
- 87334 ALCIDES OCAMPO, J. La necesidad de fibras duras en el Perú. Mensajero Agr. 61:50-51,56. May 1951. 9.8 M52
- 87335 ANGLIVIEL DE LA BEAUMELLE, M. Les centres de fabrication textile dans la métropole. Marchés Colon. 7:2037-2041. July 28,1951. 286.8 M33
- France.
- 87336 ARTHUR, F. S. La "Joint Organisation" et la conjoncture lainière mondiale. (Extracts.) Mouton 6:73-74. July 1951. 45.8 M86
- 87337 ARTHUR, F. S. Prospects of wool demand and supply. Past. Rev. 61:691,693. June 16,1951. 23 Au75
- 87338 ASSOCIATION OF COTTON TEXTILE MERCHANTS OF NEW YORK. Ten years of cotton textiles—1941 to 1951. New York,1951. 5 p. 304.9 As7T
- 87339 BALLS, W. L. Cotton: years of experiment. Textile Inst. J. 42:P316-P324. Aug.1951. 73.9 T31
- Includes discussion.
- 87340 BARREIRA, M. Jute in Brazil. (In Portuguese.) Agr. e Pecuaria 22(332):65,70-71. May 1951. 9.2 Ag89
- The industry.
- 87341 BERGE, S. Fiber thickness and fiber weight of wool. Acta Agr. Scand. 1:176-179. 1951. 11 Ac82
- 87342 BERTONE, E. Moisture changes in sacked raw wool. Colo. Agr. Expt. Sta. Tech. B. 44,23 p. Ref. May 1951. 100 C71S
- 87343 BERZAGHI, M. N. Processing of cotton. (In Portuguese.) Rev. dos Mercados 2(9):41-44. May 1951. 286.8 R328
- 87344 BHABHA, C. H. The story of the cotton textile industry in India. Indian Cotton Textile Indus. 1950:9-12, 15. 304.8 In22

- 87345 BHATNAGAR, S. S., and MAHANT, S. D. Renaissance of the Indian cotton textile industry. *Indian Cotton Textile Indus.* 1950:13-15. 304.8 In22
- 87346 BHATTACHARJEE, S. The cotton textile industry of Bengal. *Indian Cotton Textile Indus.* 1950:137-141. 304.8 In22
- 87347 BOUSSENOT, G. L'industrie et l'artisanat textiles outre-mer. *Marchés Colon.* 7:2086-2091. July 28, 1951. 286.8 M33
- 87348 BRAY, R. J., and CARTER, E. G. Trends in wool research. *Textile Inst. J.* 42:P360-P384. Aug. 1951. 73.9 T31
Includes discussion.
- 87349 BRITISH WOOL MARKETING BOARD. First annual report and accounts, 1951. London, 1951. 4 p. 280.3459 B77
- 87350 CARBON-FERRIERE, J. DE. La production des textiles dans les T.O.M. [Territoires d'Outre-Mer] l'activité de la C.F.D.T. *Marchés Colon.* 7:2011-2013, 2015-2016. July 28, 1951. 286.8 M33
Research in various fibers.
- 87351 CARTER, E. G. Wool research in S. Africa. *Woolboer* 46:29-30. May 1951. 45.8 W83
- 87352 CARTER'S directory of the textile industry in Northern Ireland and the Republic of Ireland, 1950. Belfast, 1950. 157 p. 304.8 C24
- 87353 CASTAGNOL, E., and PHAM-GIA-TU. Étude des textiles du Nord de l'Indochine. *Inst. des Rech. Agron. de l'Indochine.* Arch. 6,34 p. 1950. 22.5 Sa22
Includes discussion of fibers.
- 87354 CASTRO, R. DE. International cotton panorama. (In Portuguese.) *Rev. dos Mercados* 2(9):5-7. May 1951. 286.8 R328
- 87355 CATRICE, P. Quelques impressions sur l'exposition textile internationale de Lille. *Marchés Colon.* 7:1989-1990. July 28, 1951. 286.8 M33
- 87356 CENTOLA, G. L'industrie des fibres artificielles et synthétiques. *Rayonne et Fibres Synthétiques* 8:67-75. Aug. 15, 1951. 304.8 R214
- 87357 CHAULEUR, P. Les conditions d'extension du marché des textiles dans l'Union Française. *Marchés Colon.* 7:1995-2001. July 28, 1951. 286.8 M33
- 87358 CHENG, R., and MORTON, W. E. Control of flat strips in carding. *Textile Inst. J.* 42:P442-P456. Aug. 1951. 73.9 T31
Includes discussion.
- 87359 CLOQUETTE, L. E. La structure de l'industrie belge du bas nylon. *Mont. Textile* 13:1091, 1093, 1095, 1097. Aug. 1951. 304.8 M74
- 87360 COBOS CARDENAS, E. Es posible un bloque algodonoero iberoamericano? *Peru. Dir. Gen. de Com. Inform. Com.* 2(15):7-8. Mar. 1951. 286.9 P432
- 87361 COSTA, E. P. W. DA. The cotton textile industry as determinant. *Indian Cotton Textile Indus.* 1950:49-52. 304.8 In22
- 87362 COTTON production in the British Commonwealth. *World Crops* 3:354-359. Sept. 1951. 281.8 W892
- 87363 CRAWFORD, S. S. Commonwealth wool growing. I. Australia and South Africa. *Wool Knowl.* 2(2):17-21. Summer 1951. 304.8 W886
The sheep and wool industry.
- 87364 CRISWELL, J. F. An information program for cotton growers in 1951. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:20-21. 1951. 4 C82
- 87365 CUBA, P., and JEFFREY, F. Report on the cotton reunion in the Northeast. (In Portuguese.) *Rev. dos Mercados* 2(9):101-104. May 1951. 286.8 R328
- 87366 DAKIN, G. A review of the development of cotton spinning machinery. *Textile Inst. J.* 42:P457-P478. Aug. 1951. 73.9 T31
- 87367 DAVIS, S. P., and GABBARD, L. P. Grading wool at shearing pens and marketing on basis of quality. *Sheep & Goat Raiser* 31(11):32-33, 52. Aug. 1951. 45.8 Sh3
- 87368 DESAI, C. C. The role of the cotton textile industry in India's foreign trade. *Indian Cotton Textile Indus.* 1950:27-28. 304.8 In22
- 87369 DOHRS, F. E. The linen industry of Northern Ireland. *Nowest. U. Sum. Doct. Diss.* 18:475-478. June/Sept. 1950. 241.8 N81
- 87370 DUBMAN, M. C. Wool prices in our present economy. *New York, Wool Bur.* 1951. 6 p. 284.345 D85
- 87371 DUBOIS, P. L'Urena lobata. *Marchés Colon.* 7:2029-2030. July 28, 1951. 286.8 M33
The industry in French colonies in Africa.
- 87372 EGYPT. MINISTRY OF AGRICULTURE. STATISTICAL SECT. Cotton statistics. Cairo, Govt. Press, 1951. 57 p. 270 Eg922Co
- 87373 FABRINI, E. International Silk Association and its activities. (In Italian.) *Fibre e Colori* 1(2):23-29. (Cont.) Feb. 1951. 304.8 F442
- 87374 FABRINI, E. Technical matters developed in the field of textile fiber chemistry at the 1st Congress of Studies of Textile Technique and Economy. (In Italian.) *Fibre e Colori* 1(5):27-32. Ref. May 1951. 304.8 F442
- 87375 FALCONE, M. A. New textile developments promised by man-made fibers. *Pract. Home Econ.* 29:319. Sept. 1951. 321.8 H752
- 87376 FAUGHT, W. A. The marketing channels and margins for cotton. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:131-132. 1951. 4 C82
- 87377 FONG, W., YEISER, A. S., and LUNDGREN, H. P. A new method for raw-wool scouring and grease recovery. *Textile Res. J.* 21:540-555. Ref. Aug. 1951. 304.8 T293
- 87378 FRANCE. DIRECTION DE LA DOCUMENTATION. La Nouvelle-Zélande; deuxième partie, questions économiques et sociales. *France. Dir. de la Doc. Notes et Études Doc.* 1472, 24 p. Apr. 27, 1951. 280.9 F843
Contains a brief supplementary note on the wool industry.
- 87379 FRASER, F. W. Growing Australian cotton industry not yet able to meet local needs. *Foreign Trade* 10:312-314. Sept. 1, 1951. 286.8 C162
- 87380 GAMPELL, S. S. The cotton outlook. *Textile Mercury & Argus* 125:290-291. Aug. 17, 1951. 304.8 T318
- 87381 GENIS Y HORTA, E. Nuevas fibras textiles artificiales. *Peru. Dir. Gen. de Com. Inform. Com.* 2(14):2-4. Feb. 1951. 286.9 P432
- 87382 GENIS Y HORTA, E. El nylon y la lana. *Peru. Dir. Gen. de Com. Inform. Com.* 2(18):12-13. June 1951. 286.9 P432
- 87383 GETZ, P. A. World [wool] marketing situation. *Ohio Farm Bur. News* 31:30. Aug. 1951. 6 Oh34
- 87384 HALL, A. J. The soiling of textile fabrics; recent investigations concerning the deposition and removal of soil from cotton materials. *Textile Mercury & Argus* 125:367, 369, 371, 373. Aug. 31, 1951. 304.8 T318
- 87385 HALL, L. T., and ELTING, J. P. Cavitomic cotton; a progress report. *Textile Res. J.* 21:580-590. Ref. Aug. 1951. 304.8 T293
Cotton damaged by microorganisms.
- 87386 HAMMERLE, W. G., and MONTGOMERY, D. J. Energy dissipation in vibrating fibers. (Sum.) *Rubber Age* 69:60-61. Apr. 1951. 305.8 R82
- 87387 HARRISON, F. Junta Nacional de Lanas. *Rev. de la Fed. Rur. (ser.3)* 13(32):49-59. Nov. 1950. 9.9 R322 Uruguay.
- 87388 HATHORN, S., JR. Spinner opinions of irrigated cotton. *Ariz. Agr. Expt. Sta. Rpt.* 99, 19 p. June 1950. 100 Ar4M
- 87389 HEGAN, H. J. The historical development of and the outlook for viscose fibres. *Textile Inst. J.* 42:P395-P410. Ref. Aug. 1951. 73.9 T31
- 87390 HELLINGER, E., AVIGAN, J., and LEWIN, M. Preliminary studies on flax retting in Israel. *Israel. Res. Council. B.* 1:149-151. Mar. 1951. 330.9 Is72B
- 87391 HERDMENGER. Spinnen und weben, filzen und färben vor 3000 Jahren. *Orion* 6:465-466. June 20, 1951. 474 Or4
- 87392 HIRSBRUNNER, H. R. Über ergebnisse und arbeitsmethoden der modernen wollforschung. *Textil-Rundschau* 6:207-218, 269-275. Ref. May-June 1951. 304.8 T3139
English summary.
- 87393 HODGKINS, A. M., HUDSON, J. F., and STANLEY, F. E. Cotton marketing practices of growers and buyers in selected local markets in Louisiana. *La. Agr. Expt. Sta. B.* 454, 32 p. June 1951. 100 L93
- 87394 HOPKINS, G. E. Scouring from rough fibers to soft modern fabrics. *Mont. Wool Grower* 25(9):18, 31. Sept. 1951. 45.8 M762
- 87395 HORGAN, F. D., and SAGE, C. R. The flame-proofing of fabrics; a literature and patent survey. *U. S. QM Res. & Devlpmt. Lab. Tech. Libr. Bibl. Ser.* 18, 47 p. Mar. 1951. 152.7 B47
- 87396 HOWELL, L. D. Costs of manufacturing carded cotton yarn and means of improvement; a report of the Ralph E. Loper Company, under contract, as authorized by the Research and Marketing Act. *U. S. D. A. Tech. B.* 1033, 192 p. Aug. 1951. 1 Ag84Te
- 87397 HOWITT, F. O. Silk—an historical survey with special reference to the past century. *Textile Inst. J.* 42:P339-P360. Aug. 1951. 73.9 T31
Includes discussion.

- 87398 HUDSON, J. F., and MONTGOMERY, R. A. Quality of ginning services in relation to cost of ginning in South Louisiana, 1948 and 1949. La. Agr. Expt. Sta. B. 450, 49 p. Mar. 1951. 100 L93
- 87399 INDIA. MINISTRY OF AGRICULTURE. DIRECTORATE OF MARKETING AND INSPECTION. Brochure on the marketing of kapok and akund floss in India. India. Off. Agr. Mktg. Adv. Brochure Ser. 5, 33 p. June 1950. 280.39 In2B
- 87400 INDIAN COTTON TEXTILE INDUSTRY. Centenary volume, 1851-1950. Indian Cotton Textile Indus. 1950, 168 p. 304.8 In22
- 87401 INDIAN JUTE MILLS ASSOCIATION RESEARCH INSTITUTE. Report of the committee for the year ended 31st December, 1950. Calcutta, 1951. 111 p. 304.9 In22
- 87402 JAGGER, L. G., and SPEAKMAN, J. B. The recrystallisation of relaxed animal fibres. Textile Inst. J. 42:P771-P782. Ref. Aug. 1951. 73.9 T31
- 87403 KENYON, W. A. Rope. Textile Inst. J. 42:P502-P520. Aug. 1951. 73.9 T31
Includes discussion.
Abstract in Textile Mfr. 77:369-371. Aug. 1951. 304.8 T3126
- 87404 KHAN, Z. A. The golden & silvery fibres & textiles in relation to Pakistan's economy. III. Cotton & Textiles J. 1(7):17-19. June 1951. 304.8 C825
Installment deals with the cotton industry.
- 87405 KRONAUER, F. Reports on the various properties of cotton fiber and the waste produced in batting and carding. (In Italian.) Ist. Coton. Ital. Not. dell'Indus. Tessile Coton. 5:595-598. July 1951. 286.3729 Is7N
- 87406 LAUER, K. Zur kenntnis der cellulosefasern. 19. Makromolekulare Chem. 7:5-11. July 1951. 384 M28
English summary.
- 87407 LE BRUN-KÉRIS, G. La France d'Outre-Mer bénéficiera-t-elle de l'encouragement à la production textile? Marchés Colon. 7:2007-2009. July 28, 1951. 286.8 M33
- 87408 LEINEWEBER, W. F., JR. Análisis de la mezcla de fibras. Textiles Panamer. 11(9):29,31,33,60-63. (Cont.) Sept. 1951. 304.8 T3142
- 87409 LEMON, H. Some aspects of the early history of spinning, with special reference to wool. Textile Inst. J. 42:P479-P501. Ref. Aug. 1951. 73.9 T31
- 87410 LOASBY, G. The development of the synthetic fibres. Textile Inst. J. 42:P411-P441. Aug. 1951. 73.9 T31
Includes discussion.
- 87411 MANION, J. P. Little change from year to year in the French textile industry. Foreign Trade 10:255-256. Aug. 25, 1951. 286.8 C162
- 87412 MARSH, P. B., GUTHRIE, L. R., and BUTLER, M. L. The influence of weathering and of microorganisms on the aqueous-extract pH of cotton fiber. Textile Res. J. 21:565-579. Ref. Aug. 1951. 304.8 T293
- 87413 MARTI, A., and DU ROSTU. L'ardyl, textile des tropiques. Marchés Colon. 7:2033. July 28, 1951. 286.8 M33
- 87414 MONTARCO, C. DE. El precio de la lana. Campo [Sevilla] 10(109):7. Apr. 1951. 15 C15
Spain.
- 87415 MOROCCO. DIRECTION DE L'AGRICULTURE. L'alfa. Marchés Colon. 7:2027-2028. July 28, 1951. 286.8 M33
The industry in North Africa.
- 87416 NAWAB, S. A. Textile industries of Switzerland. Cotton & Textiles J. 1(7):30-32. June 1951. 304.8 C825
- 87417 PATEL, M. H. The cotton textile industry of Ahmedabad. Indian Cotton Textile Indus. 1950:129-134. 304.8 In22
- 87418 PRADO, O. DE A. Rehabilitation of Ceará as a producer of quality cottons. (In Portuguese.) Rev. dos Mercados 2(9):55-61. May 1951. 286.8 R328
- 87419 PROUST, L. La politique du textile en France avant 1939. Marchés Colon. 7:2003-2005, 2007. July 28, 1951. 286.8 M33
- 87420 QUIG, J. B. Why five fibers? Rayon & Synthetic Textiles 32(9):34-35, 69, 71. Sept. 1951. 304.8 R21
Properties of synthetic fibers.
- 87421 RAY, L. L., and others. Cotton variety tests at Lubbock, 1947-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1381, 4 p. July 6, 1951. 100 T31P
J. Box, E. L. Thaxton, Jr., and D. L. Jones, joint authors.
- 87422 RHODES, E. Healthy trends in British textile production: U. S. cotton team's visit to Manchester: ambitious exhibition at Lille, France. Cotton & Textiles J. 1(7):34-36. June 1951. 304.8 C825
- 87423 RISO, R. The spinning of cotton at mid-century: balance and outlook. (In Italian.) Ist. Coton. Ital. Not. dell'Indus. Tessile Coton. 5:587-594. (Concl.) July 1951. 286.3729 Is7N
- 87424 RODÉLO, D. DE O. Local and international prices of cotton. (In Portuguese.) Rev. dos Mercados 2(9):37-40. May 1951. 286.8 R328
- 87425 RODRIGUEZ DE TORRES, M. La intervención de la lana. Campo [Sevilla] 10(108):42. Mar. 1951. 15 C15
Spain.
- 87426 ROULE, M. Les textiles secondaires dans les T.O.M. [Territoires d'Outre-Mer]. Marchés Colon. 7:2021-2023. July 28, 1951. 286.8 M33
Fibers.
- 87427 ROY, S. C., and SEN, M. K. The basis of jute yarn quality. Textile Mfr. 77:385-389. Ref. Aug. 1951. 304.8 T3126
- 87428 SARAIYA, R. G. Planning of cotton production. Indian Cotton Textile Indus. 1950:60, 62-63, 65. 304.8 In22
- 87429 SASTRY, N. S. R. The Indian cotton textile industry—its past, present and future. Indian Cotton Textile Indus. 1950:17-19. 304.8 In22
- 87430 SASTRY, N. S. R. Regional development of the Indian cotton textile industry. Indian Cotton Textile Indus. 1950:20-23. 304.8 In22
- 87431 SAWHNEY, K. Cotton resources of India. Indian Cotton Textile Indus. 1950:66-71, 77-78. 304.8 In22
- 87432 SCHAEFFER, A. Einwirkung von alkali auf cellulose. Textil-Rundschau 6:219-225. May 1951. 304.8 T3139
Fibers.
- 87433 SEN, K. R. The elastic properties of single jute filaments. II. Creep & creep recovery. Natl. Inst. Sci. India. Proc. 17:99-121. Ref. Mar./Apr. 1951. 513 N212
- 87434 SESHAN, P. A. The financial structure of the cotton textile industry. Indian Cotton Textile Indus. 1950:41-45. 304.8 In22
- 87435 SESHAN, P. A. Post-partition pattern of development of the industry. Indian Cotton Textile Indus. 1950:46-48. 304.8 In22
- 87436 SHAFFL, L. Pakistan aims to maintain golden fibre supreme in the field. Karachi Com. 4(22):5-7. June 23, 1951. 280.8 K14
Jute.
- 87437 SHAVAKSHA, K. S. The trade marks registry—its benefits to the textile industry. Indian Cotton Textile Indus. 1950:55-56. 304.8 In22
- 87438 SIERRA, J. DE LA. Las lanas españolas y el registro lanero. B. de Zootec. 7:101-104. Apr. 1, 1951. 41.9 So16
- 87439 SIERRA, J. DE LA. Las lanas y la intervención Campo [Sevilla] 10(108):39-40. Mar. 1951. 15 C15
Spain.
- 87440 SIKORSKI, J., and WOODS, H. J. The effect of rate of extension on the Young's modulus of keratin fibres. Leeds Philos. & Lit. Soc. Sci. Sect. Proc. 5:313-317. Nov. 1950. 501 L51
Includes wool.
- 87441 SILVEIRA, C. El problema lanar del país. Rev. de la Fed. Rur. (ser. 3) 13(32):85-96. Nov. 1950. 9.9 R322
Includes discussion.
Uruguay.
- 87442 SINGHANIA, SIR P. The cotton textile industry of India today. Indian Cotton Textile Indus. 1950:25-26. 304.8 In22
- 87443 SKINNER'S wool trade directory of the world, 1951. Bradford, 1951. 1373 p. 225 W892
- 87444 SÖHNGEN. Reyon oder kunstseide? Kunstseide-Synthetica-Zellwolle 29:224-225. June 1951. 304.8 J45
- 87445 SPINNER-BREEDER CONFERENCE. 7, 1950. [Proceedings] El Paso, Texas September 11, 12 and 13, 1950, sponsored by Delta Council Advisory Research Committee. Greenville, 1950. 52 p. 72.9 C765
- 87446 STAUDINGER, H. Über den bau von natürlichen und halbsynthetischen cellulosefasern. Suomen Kemistilehti. A 24:111-123. 1951. 385 Su7
- 87447 STAUDINGER, M. Zur morphologie natürlicher und künstlicher cellulosefasern und ihrer nitrate. Makromolekulare Chem. 7:70-81. July 1951. 384 M28
English summary.
- 87448 STEINHAUS, P. M. The Nile Valley land of cotton. Cotton & Textiles J. 1(7):13-16. June 1951. 304.8 C825
- 87449 STRANG, P. M. The theory of carding. Textile Wk. 48:427-428, 510. Aug. 17-24, 1951. 304.8 T3127
Cotton.

- 87450 SUKTHANKAR, Y. N. Role of transport in the development of the textile industry. *Indian Cotton Textile Indus.* 1950:33-35. 304.8 In22
- 87451 SVENSKA TEXTILFORSKNINGSINSTITUTET. Redogörelse för Svenska Textilforskningsinstitutets verksamhet budgetåret 1949-1950 [Report on the activities of the Swedish Institute for Textile Research in the fiscal year 1949-1950]. *Svenska Textilforskninst. Meddel.* 13, 17 p. 1950. 304.9 Sv2
- 87452 SYNDICAT DU JUTE. L'industrie du jute en France. *Marchés Colon.* 7:2049-2051. July 28, 1951. 286.8 M33
- 87453 TEXTILE INSTITUTE. Proceedings, annual conference, 21-25 May, 1951. *Textile Inst. J.* 42:P309-P356. Aug. 1951. 73.9 T31
- 87454 TIPTON, B. Research in action. *Acco Press* 29(8):4-6. Aug. 1951. 6 Ac2
12th annual Cotton Research Congress at Texas A & M College.
- 87455 TOWNEND, P. P. Carding wool for woollen yarns. *Wool Knowl.* 2(2):5-7, 22-23. Summer 1951. 304.8 W886
- 87456 TROCMÉ, R. L'industrie cotonnière, industrie de l'Union Française. *Marchés Colon.* 7:2035-2036. July 28, 1951. 286.8 M33
- 87457 TURGAY, N. Situation mondiale du coton et place de la Turquie dans la production du coton. (In Turkish.) *Türk. Ekon.* 94:121-127. Apr. 1951. 280.8 T843
- 87458 TURNER, A. J. Bast and leaf fibres—development and prospects. *Textile Inst. J.* 42:P325-P338. Aug. 1951. 73.9 T31
- 87459 UNION DE PRODUCTORES DE ALGODON DE LA REPUBLICA MEXICANA. Informe del resultado de gestiones que hizo en Mexico la Unión de Productores de Algodón de la República Mexicana a través de la comisión integrada con representantes de las diversas zonas productoras del país. *Asoc. de Agr. de la Región Lagunera del Estado de Durango. B. de Inform.* 3(28):5-8. June 15, 1951. 8 As53
- 87460 U. S. BUR. OF AGRICULTURAL ECONOMICS. Shorn wool production, 1951. Washington, 1951. 2 p. 1.9 Ec742Woo
- 87461 U. S. BUR. OF AGRICULTURAL ECONOMICS. United States cotton statistics; 1909-49, by States. Washington, 1951. 39 p. 1.941 H2C828
- 87462 U. S. BUR. OF THE CENSUS. Cotton production in the United States, crop of 1950. Washington, 1951. 37 p. 157.41 C822
Statistics.
- 87463 U. S. PRODUCTION AND MARKETING ADMIN. Automatic mechanical equipment for sampling cotton bales during ginning, by G. E. Gaus and J. E. Larrison. Washington, 1951. 29 p. 1.956 C82Au8
- 87464 U. S. PRODUCTION AND MARKETING ADMIN. Cotton lint cleaning at gins; an evaluation from the standpoint of cotton quality and economic factors, by F. L. Gerdes. Washington, 1951. 23 p. 1.956 C82C834
- 87465 U. S. PRODUCTION AND MARKETING ADMIN. Cotton price statistics, season 1950-51. Washington, 1951. 35 p. 1.9422 C4C82
- 87466 U. S. PRODUCTION AND MARKETING ADMIN. The domestic wool clip; grades, shrinkages, and related data, based on purchases from the 1946 clip by the Commodity Credit Corporation. Washington, 1951. 104 p. 1.956 L75D716
- 87467 U. S. PRODUCTION AND MARKETING ADMIN. Fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1951. Washington, 1951. 7 p. 1.9422 C8R3
- 87468 U. S. PRODUCTION AND MARKETING ADMIN. Regulations for cotton warehouses. Issued by the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916, as amended (Title 7, Ch. I, Pt. 101, of the Code of Federal Regulations). U. S. Prod. & Mktg. Admin. S. R. A.-P. M. A. 126, rev., 23 p. 1950. 1 M34S
- 87469 U. S. PRODUCTION AND MARKETING ADMIN. Relationship of staple length in grease wool and resultant top, by D. D. Johnston, H. D. Ray, W. J. Manning, and E. M. Pohle. Washington, 1951. 9 p. 1.956 L75R27
- 87470 URQUHART, A. R. Cellulose-derivative rayons, past, present and future. *Textile Inst. J.* 42:P385-P394. Ref. Aug. 1951. 73.9 T31
- 87471 VAIDYA, M. J. The rayon industry of India. *Indian Cotton Textile Indus.* 1950:149-151. 304.8 In22
- 87472 VAN ROOYEN, J. H. Cotton boom in Union [of South Africa] attracts new growers; Barberton Research Station embarks on extensive experiments to try out varieties suitable to various parts of the Union. *Farmer's Wk. [Bloemfontein]* 81:41, 43. Aug. 1, 1951. 24 F225
- 87473 WALTER, L. Control of washing & scouring processes. *Canad. Textile J.* 68(18):63, 65, 67. Aug. 31, 1951. 304.8 C16
Wool.
- 87474 WARD, A. L. Cotton and cottonseed, community builders. *Acco Press* 29(8):10-12. Aug. 1951. 6 Ac2
- 87475 WHITWELL, J. C., LEMISZKA, T., and HUGHES, V. L. Degradation of cellulose during mechanical processing. II. Action of beaters on cotton. *Textile Res. J.* 21:556-564. Ref. Aug. 1951. 304.8 T293
- 87476 ZOGAIB, U. D. Cotton in the world. (In Portuguese.) *Rev. dos Mercados* 2(9):27-31. May 1951. 286.8 R328
Statistics.

FRUITS, VEGETABLES, AND NUTS

- 87477 BENDER, E. K. Better vegetables for better exhibits. *Md. Farmer* 35(8):24-25. Aug. 1951. 6 M362
- 87479 BERTHAULT, P. Prévisions sur la prochaine récolte de vins et sur la situation viticole. *Rev. Agr. de l'Afrique du Nord* 49:581-583. Aug. 10, 1951. 80 R326
- 87479 BOLIN, A. La pasa moscatel de Malaga. *Inform. Com. Españ.* (ser.3)214:934-935. June 1951. 286.8 In3
English summary, p. 951.
- 87480 BORGMANN, K. Schleswig-Holstein wurde kartoffelland. *Kartoffelwirtschaft* 4:183-184. May 25, 1951. 286.83 K14
- 87481 BROWN, H. D. Our vegetable industry. *N. J. Farm & Gard.* 22(8):10-11. Aug. 1951. 6 G162
- 87482 CARRION, P. La pasa de Denia. *Inform. Com. Españ.* (ser.3)214:928-933. June 1951. 286.8 In3
English summary, p. 949-950.
- 87483 CHOUDHURI, H. C. Problem of food production—the role of potatoes. *Bot. Soc. Bengal. B.* 4:63-65. Apr. 1950. 451 B659
- 87484 EVANS, H. J. Potatoes staging comeback. *Amer. Agr.* 148:425, 430. Aug. 4, 1951. 6 Am3
- 87485 FERNÁNDEZ YEPEZ, A. Fruticultura nacional. *Agro [El Valle]* 5(15):6-9. Nov./Dec. 1950. 9.95 Ag83
Venezuela.
- 87486 FILLARD, F. Impressions sur le Congrès International de la Datte à Tunis du 4 au 12 Novembre 1950. *Soc. des Agr. d'Algérie. B.* 95:171-175. 1950 51. 24 Sol
- 87487 FONT DE MORA, R. Pasado, presente y porvenir de la producción naranjera española. *Inform. Com. Españ.* (ser.3)214:922-927. June 1951. 286.8 In3
English summary, p. 947-948.
- 87488 FRIAS JIMÉNEZ, F. Voz de Almería: su uva de mesa. *Inform. Com. Españ.* (ser.3)214:936-937. June 1951. 286.8 In3
English summary, p. 951-952.
- 87489 HARTMANN, K. O. Hessen ist ein besonderes erzeugergebiet für frühobst und frühgemüse. *Früchte u. Gemüse Markt* 3(30):23-25. July 27, 1951. 286.83 F9425
- 87490 HOPP, K. Wie steht es um den badischen kirschenbau? *Bauern-Ztg.* 4(31):12. Aug. 3, 1951. 18 B324
- 87491 KELL, H. J. La situation économique de la fructiculture belge. *Rev. de l'Agr.* 4:823-842. July 1951. 13 R322
English summary.
- 87492 KREISELMAIER, F. 'Kartoffeln—seggen der erde? Verbraucher 5:386. Aug. 4, 1951. 280.28 K833
The industry in Germany.
- 87493 LÖFFLER, K. Der frühobstbau in Mittelbaden. *Bauern-Ztg.* 4(31):10. Aug. 3, 1951. 18 B324
Situation and outlook.
- 87494 MAURER, K. J. Um die stellung des deutschen obstbaues. *Neue Mitt. f. die Landwirt.* 6:257-258. Apr. 28, 1951. 18 N39
- 87495 MESCH, D. Nuestra citricultura puede crear una gran industria. *Mundo Agr.* 3(25):86-87. June 1951. 9 M92
Argentina.
- 87496 MOREIRA, S. The problem of oranges. (In Portuguese.) *Agr. em São Paulo* 1(4):10-13. July 1951. 9.2 Ag823

87497 NIVEN, L. A. Water Valley ways with melons. Prog. Farmer, Miss.-Ark.-La. Ed. 66(9):19,133. Sept. 1951. 6 So81

The industry in north Mississippi.

87498 PORTERFIELD, W. M., JR. The principal Chinese vegetable foods and food plants of Chinatown markets. Econ. Bot. 5:3-37. Ref. Jan./Mar.1951. 450 Ec7

87499 QUELU, A. La vendimia, una promesa hecha realidad. Charla Rur. 150:14-15. Apr.1951. 9 C37

The festival in Argentina.

87500 REDLHAMMER, D. Was lehrt uns das Jahr 1950 im Obst- und Gemüsebau? Neue Mitt. f. die Landwirt. 6:237-238. Apr.14,1951. 18 N39

Germany.

87501 REMPT, J. D. Vegetables and fruit in Austral-ia. (In Dutch.) Groenten en Fruit 7:58. July 26,1951. 80 G89

87502 RICE, W. S. Field report: apricot crop larger; prune price rumors confuse growers. Sunsweet Standard 35(4):6-7. Sept.1951. 286.83 Su7

87503 SENN, T. L., and TAYLOR, J. S. The commercial peach industry in South Carolina. S. C. Agr. Expt. Sta. B. 393,39 p. June 1951. 100 So8

87504 STAUNING, A. Prospects for the fruit crop. (In Danish.) Gart.-Tid. 67:364-365. Aug.15,1951. 80 G192

87505 STUYVENBERG, J. H. VAN. Development and position of cherry culture. (In Dutch.) Fruitteelt 41:480-482. July 12,1951. 86 N28

87506 SUCHTELEN, G. E. VAN. Vegetable and vegetable seed production on the Swedish island of Öland. (In Dutch.) Landb. Wereldnieuws 6:460-462. July 21,1951. 12 L237

87507 TELEKI, A. Rückblick auf die heurige reben-saison. Österr. Weinztg. 6:65. May 25,1951. 390.8 Os7

87508 U. S. BUR. OF AGRICULTURAL AND INDUS-TRIAL CHEMISTRY. FRUIT AND VEGETABLE CHEMIS-TRY LABORATORY. List of publications with abstracts, January, 1950 - June, 1951. U. S. Bur. Agr. & Indus. Chem. AIC-313,7 p. 1951. 1.932 A2Ag82

87509 U. S. BUR. OF AGRICULTURAL ECONOMICS. Montana's fruit outlook August 1, 1951. Helena,1951. 2 p. 1.941 S8F94

87510 U. S. PRODUCTION AND MARKETING ADMIN. FRUIT AND VEGETABLE BR. Digest of decisions of the Secretary of Agriculture under the Perishable Agricultural Commodities Act, v. 2, by W. L. Evans. Washington, 1951. 108 p. 1.9 Ec7Ped

87511 ZENS. Die Zukunft des deutschen Obstbaues. Bauern-Ztg. 4(31):1-2. Aug.3,1951. 18 B324

Analysis and Composition

87512 ANDERSON, E. E., and others. Pasteurized fresh whole pickles. II. Thermal resistance of micro-organisms and peroxidase. Food Technol. 5:364-368. Ref. Sept.1951. 389.8 F7398

L. F. Ruder, W. B. Esselen, Jr., E. A. Nebesky, and M. Labbee, joint authors.

87513 BOOTH, V. H. Chromogenesis in stored car-rots. J. Sci. Food & Agr. 2:353-358. Ref. Aug.1951. 382 So12

87514 BOOTH, V. H. Distribution of carotenoids in different parts of the carrot. J. Sci. Food & Agr. 2:350-353. Ref. Aug.1951. 382 So12

87515 BRANTHOVER, B. J., and HARD, M. M. Some properties of an ascorbic acid oxidation inhibitor in vegetables. Science 114:296-298. Sept.21,1951. 470 Sci2

87516 BRINSFIELD, C. S., and CHANEY, H. E. De-tecting added water in canned tomatoes. Canner 113(10): 16. Sept.8,1951. 286.83 C16

87517 CZYHRNCIW, N. Nota sobre las variaciones químicas en productos vegetales. Arch. Venezol. de Nutr. 2:139-144. June 1951. 389.8 Ar22

English summary.

87518 DUPAIGNE, P. Contribution à l'étude du do-sage de l'huile essentielle dans les jus d'agrumes. Ann. des Falsif. et des Fraudes 44(505/507):17-22. Jan./Mar. 1951. 389.8 An72

87519 ESCHINAZI, H. E. Investigations on d-limo-nene, a by-product of the citrus industry. Israel. Res. Council. B. 1:109-111. Ref. Mar.1951. 330.9 Is72B

Chemistry.

87520 HADORN, H. Eine neue methode zur bestim-mung der benzoessäure in konfitüren. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:226-233. 1951. 389.9 Sw6

87521 HEID, J. L. Objective measurement in quality control of frozen foods. Canner 113(11):18-19,22. Sept. 15,1951. 286.83 C16

Fruit.

87522 KIRKPATRICK, M. E., and others. Cooking quality, specific gravity, and reducing-sugar content of early-crop potatoes. U. S. D. A. C. 872,22 p. Ref. July 1951. 1 Ag84C

B. M. Mountjoy, L. C. Albright, and P. H. Heinze, joint authors.

87523 KUTTER, F. Extraktermittlung in Früchten. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:233-241. 1951. 389.9 Sw6

87524 MARANGONI, H., VAZQUEZ, C. M., and NAVARRO, Y. F. Composición química de verduras, legumbres y hortalizas (cosechadas y consumidas en Tucumán). Arch. de Farm. y Bioquím. del Tucumán 5: 69-76. 1950. 396.8 Ar24

English summary.

87525 MARCUSE, R. Refractometry and evaporation methods for concentration analyses of tomato-products. Svenska Inst. f. Konservforsk. P. 27,7 p. Ref. May 1951. 389.9 Sv2

87526 MILLS, P. A. Report on galacturonic acid in strawberry juice. Assoc. Off. Agr. Chem. J. 34:513-520. Aug.15,1951. 381 As7

87527 RENTSCHLER, H. Schweflige Säure in süß-mosten und Traubensäften. Mitt. aus dem Geb. der Lebens-mitteluntersuch. u. Hyg. 42:251-256. 1951. 389.9 Sw6

87528 RENTSCHLER, H. Schweflige Säure in trocken-früchten. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 42:275-279. 1951. 389.9 Sw6

87529 TILDEN, D. H. Report on uric acid in fruit products. Assoc. Off. Agr. Chem. J. 34:498-505. Aug.15, 1951. 381 As7

87530 VAN DAME, H. C. Report on succinic acid in tomato products. Assoc. Off. Agr. Chem. J. 34:522-523. Aug.15,1951. 381 As7

87531 VANASSE, N. A., JONES, I. D., and LUCAS, H. L. Specific gravity-dry matter relationship in pota-toes. (Abs.) Assoc. South. Agr. Workers. Proc. 48:118. 1951. 4 C82

87532 WAHHAB, A. Chromatographic separation and identification of furfurals from a mixture of the intermediates formed during the browning of the dried apricot. Pakistan J. Sci. Res. 2:135-139. Ref. Oct. 1950. 475 P173

87533 WINKLER, W. O. Report on decomposition of fruits and fruit products; galacturonic acid. Assoc. Off. Agr. Chem. J. 34:506-512. Aug.15,1951. 381 As7

Analysis.

Consumption and Utilization

87534 BAIER, W. E. Pharmaceuticals from citrus fruits. Drug & Allied Indus. 37(8):10-14. Ref. Aug.1951. 396.8 St2

87535 BAKKEN, H. H., and KELLY, R. A. Color as a factor in consumer preferences for potatoes. 2. Badger Common 'Tater 4(4):4-5. Aug.1951. 75.8 B14

87536 DAWSON, P. R., and NEWTON, H. P. Sweet potato utilization research at the Southern Laboratory. (Abs.) Assoc. South. Agr. Workers. Proc. 48:183. 1951. 4 C82

87537 MOORE, C. A. Market preferences for fresh tomatoes at St. Louis, Missouri. Ark. Agr. Expt. Sta. B. 494,16 p. May 1950. 100 Ar42

87538 U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer preferences for selected frozen concentrated apple juice. Washington,1951. 21 p. 1.941 P1C763

87539 WRIGHT, C. E. Solves waste problem; saves too; citrus canner's progressive efforts eliminate dispos-al nuisances—and recovery of formerly-lost solids pays off in molasses, oil, and feed. Food Engin. 23(9):107-108. Sept.1951. 389.8 F737

Distribution, Marketing, and Transportation

87540 ASSOCIATION OF AMERICAN RAILROADS. Report, 1950. Chicago,1951. 158 p. 289.29 Am352

Statistics for grain, fruit, and vegetables.

87541 BITTING, H. W., and BADGER, H. T. Market-ing charges for apples sold in Pittsburgh, December 1949-May 1950. U. S. D. A. Inform. B. 47,27 p. June 1951. 1 Ag84Ab

87542 BORN, P. Rückblick auf den pflanzkartoffel-markt 1950/51 in Rheinland-Pfalz. Kartoffelwirtschaft 4:206-207. June 15,1951. 286.83 K14

- 87543 BREMER, K. Vor letzten entscheidungen im kartoffelanbau. Neue Mitt. f. die Landwirt. 6:241-242. Apr. 21, 1951. 18 N39
Market situation in Germany.
- 87544 BRYANT, H. E. American Cranberry Exchange tie-in and contribution to the UMI [United Merchandising Institute of the United Fresh Fruit & Vegetable Association] program. Cranberry World 5(4):7-9. July/Aug. 1951. 280.28 C85
- 87545 BUTTERWORTH, J. D. A study of the changes in the volume of fresh fruits and vegetables handled by middlemen operating in the Chicago South Water Market 1938-1949. Nowest. U. Sum. Doct. Diss. 18:197-202. June/Sept. 1950. 241.8 N81
- 87546 CALIFORNIA. GREEN CORN ADVISORY BOARD. Annual report 1949 season, marketing order for Coachella Valley green corn. Indio, 1950. 22 p. 280.3590 C122
- 87547 CAPPS, J. P. Why not boost vegetables on TV? West. Grower & Shipper 22(10):17,41-42. Sept. 1951. 280.38 W52
- 87548 FERNHOLM, H. Great demand for quality potatoes. (In Swedish.) Lantmannen 35:275,278. Apr. 7, 1951. 11 L234
- 87549 FERRIER, W. T. Marketing watermelons and tomatoes. (Abs.) Assoc. South. Agr. Workers. Proc. 48: 130-131. 1951. 4 C82
- 87550 HOGG, N. D. Merchandising potatoes. Ontario Crop Impr. Assoc. Addresses & Proc. 13:154-157. 1951. 64.9 On83
Includes discussion by C. A. Crews.
- 87551 ISHIDA, J. Temperatures for shipping and storing fruits and vegetables. Hawaii. U. Agr. Ext. C. 311,2 p. June 1951. 275.29 H312Ac
Supplement to Circular 296 of the same title published in January 1951.
- 87552 LANG, O. Wie kann dem deutschen obstbauern geholfen werden, den ertrag seiner obsternte wirtschaftlicher zu gestalten? Kalte 4:113-114. May 1951. 295.8 K122
Grading, packing, and cold storage.
- 87553 LEON, G. Problème capital et urgent: l'écoulement des fruits et légumes frais d'Algérie. Volx des Colons 33(1613):1. June 18, 1951. 24 V85
- 87554 LIJSTEN, R. Marketing our fruit. (In Dutch.) Fruitteelt 41:436-437. June 21, 1951. 86 N28
Netherlands.
- 87555 MILLER, C. R. Let's get together. Tenn. State Hort. Soc. Proc. 45:46-53. 1950. 81 T25
Fruit cooperatives.
- 87556 NEW JERSEY. DEPT. OF AGRICULTURE. DIV. OF MARKETS. Marketing green asparagus for processing by grades in New Jersey. N. J. Dept. Agr. C. 382, 11 p. Apr. 1951. 2 N46C
- 87557 PAIGE, E. G. Grades, markets and merchandising. Ontario Crop Impr. Assoc. Addresses & Proc. 13: 167-171. 1951. 64.9 On83
Rutabagas.
- 87558 PERKIN, G. F. The operation of marketing schemes under the Ontario Farm Products Marketing Act. Ontario Crop Impr. Assoc. Addresses & Proc. 13: 171-175. 1951. 64.9 On83
Includes discussion by H. Hunter.
- 87559 PICKETT, B. S. New outlets for horticultural products. Tenn. State Hort. Soc. Proc. 45:55-58. 1950. 81 T25
- 87560 SAURMAN, A. V. Florida Mutual's progress. Citrus Indus. 32(9):13,18-inside back cover. Sept. 1951. 80 C49
- 87561 SCOTT, R. C. Standardization, refrigeration, marketing—are big problems in vegetable marketing. Mkt. Growers J. 80(8):24. Aug. 1951. 6 M34
- 87562 SEIBEL, A. Die kartoffelmärkte 1950/51 in Europa und der übrigen welt. Kartoffelwirtschaft 4:190-192. June 1, 1951. 286.83 K14
- 87563 SHOWALTER, R. K., MCCOLLOCH, L. P., and HALSEY, L. H. Tomato shipping tests from Florida to terminal markets; results of tests made with different varieties of containers during 1950. Pre-Pack-Age 4(12): 14-16. Aug. 1951. 280.38 P91
- 87564 SMET, A. DE. Auctions in Germany. (In Flemish.) Tuinbouwberichten 15:106-107. July 15, 1951. 80 T817
Fruit.
- 87565 STEPHENS, L. R. Organized marketing of vegetables in British Columbia. Ontario Crop Impr. Assoc. Addresses & Proc. 13:148-153. 1951. 64.9 On83
- 87566 STOKELY, J. R. Bright future for the local market fruit grower. Tenn. State Hort. Soc. Proc. 45:7-9. 1950. 81 T25
- 87567 TEAL, R. H., and DAVIS, G. B. Trial shipments of potatoes in corrugated fiberboard boxes. Oreg. Agr. Expt. Sta. C. Inform. 500,16 p. June 1951. 100 Or3C
Oregon Potato Commission cooperating.
- 87568 THAYER, E. N. Selling is what keeps whole dried fruit industry going. Sunsweet Standard 35(3):4-5. Aug. 1951. 286.83 Su7
- 87569 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Idaho potatoes, season 1949-50, by L. N. Gardner. Idaho Falls, 1950. 15 p. 1.9 Ec741L
- 87570 U. S. PRODUCTION AND MARKETING ADMIN. Normal seasonal availability of fresh fruit & vegetable supplies. Rev. Washington, 1950. 6 p. 1.956 F94N78
- 87571 U. S. PRODUCTION AND MARKETING ADMIN. Package and bulk selling of Florida oranges, by E. D. Downie and O. Rauchschwalbe. Washington, 1951. 18 p. 1.956 M343P12
- 87572 WILDEMAN, H. A. Shelling one's own beans and organization dangers. I-II. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 5(25):3; (26):3. June 22-29, 1951. 286.28 V22
Potato marketing in the Netherlands.
- Grading, Inspection, Standardization, and Quality**
- 87573 AUBERT, P. Qualité et conservation de pommes d'une même variété mais provenant de vergers divers et cultivés dans des conditions naturelles différentes. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 7:51-54. July 1951. 17 J82A
- 87574 BETTINI, S. Étude de l'action des produits antiparasitaires et de leur toxicité dans l'alimentation de l'homme et des animaux. (In Italian.) Conf. Internatl. pour l'Examen des Moyens de Lutte contre les Parasites des Plantes. Allocutions, Proc.-Verb., Rap., Commun. et Résolutions 1:125-134. 1951. 464.9 C767
French summary.
- 87575 DOWNIE, W. A. Seed potato certification; list of growers, 1951. Victoria. Dept. Agr. J. 49:232-233. May 1951. 23 V66J
- 87576 FALCH, J. Die sortierung des obstes nach qualität und grösse. Landwirtschaft 15/16:225-227. Aug. 1951. 19 L235
- 87577 FLORIDA. DEPT. OF AGRICULTURE. CITRUS AND VEGETABLE INSPECTION, DIV. 1950-51 season annual report. Winter Haven, 1951. 77 p. 280.3939 F663
- 87578 FRICK, A. Die sortierung und verpackung von obst. Bauern-Ztg. 4(31):6. Aug. 3, 1951. 18 B324
Germany.
- 87579 GRAEFE, G. Frankfurter bedingungen—nichts für den verbraucher von speisekartoffeln. Kartoffelwirtschaft 4:207-208. June 15, 1951. 286.83 K14
Quality in Germany.
- 87580 KLUGE, T. O. Surplus not carton prunes, but least salable types. Sunsweet Standard 35(4):4-5. Sept. 1951. 286.83 Su7
- 87581 KOFOED, A. D. Sorting centrals. (In Danish.) Dansk Landbr. 70:250. May 31, 1951. 280.28 V91
For potatoes.
- 87582 KUNKEL, R., GREGORY, J., and BINKLEY, A. M. Mechanical separation of potatoes into specific gravity groups shows promise for the potato chip industry. Amer. Potato J. 28:690-696. Ref. Aug. 1951. 75.8 P842
- 87583 MCGLUMPHY, J. H. Fruit flavors. Food Technol. 5:353-355. Ref. Sept. 1951. 389.8 F7398
- 87584 MARSHALL, C. R. Oxidation in apple juice. III. J. Sci. Food & Agr. 2:342-347. Ref. Aug. 1951. 382 So12
- 87585 MERCHANT, C. H., MAYBERRY, J. E., and SCHRUMPF, W. E. Seven-year summary of grade quality of U. S. No. 1 Maine potatoes. Maine Agr. Expt. Sta. Mimeog. Rpt. 21,32 p. Aug. 1951. 100 M28M
- 87586 MERTENS, W. E. Einiges über kartoffelsortiermaschinen. Neue Mitt. f. die Landwirt. 6:232-233,244. Apr. 14-21, 1951. 18 N39
- 87587 SMITH, O. Potato quality. Ontario Crop Impr. Assoc. Addresses & Proc. 13:144-148. 1951. 64.9 On83
- 87588 U. S. PRODUCTION AND MARKETING ADMIN. Check list of U. S. standards issued by the Fruit and Vegetable Branch (other than for processed products). Washington, 1951. 3 p. 1.9 Ec74
- 87589 U. S. PRODUCTION AND MARKETING ADMIN. The economics of a quality improvement program for potatoes, by A. L. Perry. Washington, 1951? 4 p. 1.956 A2Ec7

87590 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned green beans and canned wax beans (effective July 16, 1951). Washington, 1951. 28 p. 1.956 A2Un328

Packing and Packaging

87591 AUSDERAU, E. Bessere obstsäfte in gepflegten fässern. Schweiz. Z. f. Obst- u. Weinbau 60:319-322. Aug. 25, 1951. 80 Sch9

87592 BRYAN, J. M., and SELBY, J. W. The corrosion-resistance of stainless steels towards citrus fruit-squash concentrates and towards citric acid-sugar-common salt-sulphur dioxide solutions. J. Sci. Food & Agr. 2:359-364. Aug. 1951. 382 So12

87593 FLAWN, L. Packing and marketing. Mr. Chase's Cloche Gard. Notes, July 1951:186-189. 80 M69 Vegetables.

87594 HEARTY, E. W. J. Looking backward and forward. Va. Fruit 39(8):22. Aug. 1951. 81 V81B Apple packing.

87595 HILL, H. L. W. Outlook for new fruit containers. Tenn. State Hort. Soc. Proc. 45:23-25. 1950. 81 T25

87596 KELLER, T. Ueber die neuen bauerlichen süßmostgefäße. Schweiz. Z. f. Obst- u. Weinbau 60:327-328. Aug. 25, 1951. 80 Sch9

87597 PLASSE, J. J. VAN DER. Packing cherries in small packages. (In Dutch.) Groenten en Fruit 6:912. June 21, 1951. 80 G89

Similar title in Fruitteelt 41:467. July 5, 1951. 86 N28

87598 REBOUR, H. L'ensachage des fruits. Rev. Hort. de l'Algérie 55:114-116. Apr. 1951. 87 R32

87599 RYGG, G. L. Shipping in bags. Citrus Leaves 31(9):12-13. Sept. 1951. 80 C492

87600 SMITH, R. J. Shipping lemons in cartons. Citrus Leaves 31(9):21,30. Sept. 1951. 80 C492

87601 SULLIVAN, M. Packaged flavors sell on taste, color. Glass Packer 30:646,674. Sept. 1951. 309.8 G463 Glass packaging of fruit and coffee syrups.

87602 U. S. PRODUCTION AND MARKETING ADMIN. List of manufacturers of packages, packaging materials, and equipment for prepackaging fresh fruits and vegetables. Washington, 1951. 34 p. 1.956 F94L69

Prices, Price Control, and Rationing

87603 BOGER, L. L. Can we predict the price of cherries? Amer. Fruit Grower 71(9):13,20-21. Sept. 1951. 80 G85

87604 BUITENDIJK, B. Effect of prices of vegetables on volume of production. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 14:441-450. July 1950. 86 N384

87605 PLASSE, J. VAN DER. Marketing of horticultural products. (In Dutch.) Betuws Tuinbouwbl. 9(9):6-7. Aug. 4, 1951. 80 B464

Chiefly on prices of fruit and vegetables.

87606 RICE, W. S. Canners bid to \$120 per ton for 'cots; very light tonnage going to dryyards. Sunsweet Standard 35(3):8-9. Aug. 1951. 286.83 Su7

Processing and Storage

87607 BANTA, E. S. Adventures in processing. Amer. Fruit Grower 71(9):10-11,18-19. Sept. 1951. 80 G85

87608 BARTON, W. G. Better in than out? Farmers Wk. [London] 35(9):45,47. Aug. 31, 1951. 10 F2226 Insulation and ventilation problems with indoor potato storage.

87609 BECK, H. Cassava starch. (In Portuguese.) Rev. de Quim. Indus. 10(227):17-18. (Cont.) Mar. 1951. 385 R324

Manufacture.

87610 BOTTINI, E. The application of artificial cold to the preservation of fruits and vegetables in the United States of America. I-II. (In Italian.) Ann. della Sper. Agr. (n.s.) 5(4,sup.):XLV-CI. 1951. 16 An76 English summary.

87611 BRISTOL UNIVERSITY. FRUIT & VEGETABLE PRESERVATION RESEARCH STATION. The annual report 1950. Welwyn Garden City, 1951. 20 p. 389.9 B77A

87612 CATZ' HANDELSVEREENIGING. Annual review, 1950. Rotterdam, 1951. 12 p. 286.3939 C29 The world dried fruit and spice industry.

87613 CHRISTENSEN, E. V. On the preparation and evaluation of acid fruit juices. (In Danish.) Dansk Tidsskr. f. Farm. 25:273-285. Aug. 1951. 396.8 D23 English summary.

87614 CHYC, E. Mehr Gemüse in der bauerlichen kost. Pflug 4:86-87. Apr. 1951. 19 P48 Sterilization for preservation.

87615 COOLEY, J. S., and KUSHMAN, L. J. Effect of pasteurization on black rot [Endoconidiophora fimbriata] of sweet potatoes. Phytopathology 41:801-803. Sept. 1951. 464.8 P56

87616 CRONSHAW, H. B. The science of canning. 2. Vegetables in glass containers. Food Indus. So. Africa 4(3):36-39. July 1951. 389.8 F7372

87617 CRUESS, W. V., O'NEAL, R., and RIVERA, W. New products from California clingstone canning peaches. Food Technol. 5:369-372. Ref. Sept. 1951. 389.8 F7398

87618 CRUESS, W. V., and RIVERA, W. Solving the surplus prune problem; new processes make possible a delicious new beverage from Italian and French prunes. Amer. Fruit Grower 71(9):22. Sept. 1951. 80 G85

87619 CYKLER, J. F. Energy requirement for shearing pineapple. Agr. Engin. 32:504. Sept. 1951. 58.8 Ag83

87620 CZYHRINCIW, N., and JAFFE, W. Modificaciones químicas durante la conservación de raíces y tubérculos. Arch. Venezol. de Nutr. 2:49-67. June 1951. 389.8 Ar22

English summary.

87621 DAWSON, R. M. Fruits. N. Dak. Agr. Col. Ext. C. A-161,6 p. June 1951. 275.29 N812Sa Preservation.

87622 DAWSON, R. M. Vegetables. N. Dak. Agr. Col. Ext. C. A-160,6 p. June 1951. 275.29 N812Sa Preservation.

87623 DORFELDT, W. Über den wirtschaftlichen effekt der behandlung von dünn-säften mit kunstharz-ionenaustauschern. Korrespondenz f. Zuckerfabriken, Apr. 20, 1951:12-13; May 21, 1951:1-5. 65.8 K84

87624 DULLUM, N., and RASMUSSEN, P. M. Apple-storage experiments 1940-48. (In Danish.) Tidsskr. f. Planteavl 54:249-317. 1951. 11 T439

English summary.

87625 EMILSSON, B. New experiences in regard to storage and treatment of seed potatoes. (In Swedish.) Lantmannen 35:301-303. Apr. 14, 1951. 11 L234 Sweden.

87626 ENGSTEDT, G. Why not prepare must? (In Swedish.) Trädgårdstidningen 23(8):6-7. Aug. 1951. 80 T67

From apples.

87627 ESKEW, R. K., REDFIELD, C. S., and PHILLIPS, G. W. M. High-density, full-flavor apple juice concentrate. U. S. Bur. Agr. & Indus. Chem. AIC-315,17 p. Aug. 1951. 1.932 A2Ag82

87628 FOX, W. B. Storage of winter celery. Canad. Grower 74(7/8):6-8. July/Aug. 1951. 80 C16

87629 FRUIT and vegetable canning—1950-51 season and outlook for 1951-52. Fed. Reserve Bank San Francisco. Mon. Rev., July 1951:52-54. 284.8 F31S

87630 GHILLINI, C. A. The action of cold in the refrigeration of horticultural products. (In Italian.) Mercanzia 6(7):17-23. July 1951. 287 B635

87631 GROECK, M. Was ist hygro-nährschutz? Kartoffelwirtschaft 4:186-187. May 25, 1951. 286.83 K14 Vegetable processing.

87632 HARRIS, H. A new process for shelling chestnuts. (Abs.) Assoc. South. Agr. Workers. Proc. 48:118-119. 1951. 4 C82

87633 HARRIS, H. Separation of grape pulp from hulls by vibrating screen process. (Abs.) Assoc. South. Agr. Workers. Proc. 48:118. 1951. 4 C82

87634 HARTZLER, E. R. A study of the effect of blanching and of frozen storage on the activity of certain oxidizing enzymes and on the retention of ascorbic acid in vegetables. Pa. State Col. Abs. Doct. Diss. 13:9-14. 1951. 241.8 P38

87635 HOLMES, A. D. Factors that affect the storage life of butternut squashes. Food Technol. 5:372-373. Sept. 1951. 389.8 F7398

87636 HUGHES, T. J. Frozen juice gives big boost to lime industry. Fla. Grower 59(9):14,27. Sept. 1951. 80 F6622

87637 JONES, I. D. How to reduce spoilage of brined cucumbers. Canner 113(11):13-14. Sept. 15, 1951. 286.83 C16

87638 KESSLER, H. Obstlagerung. Schweiz. Z. f. Obst- u. Weinbau 60:309-314. (Cont.) Aug. 25, 1951. 80 Sch9

87639 KING, G. S., SAKANASHI, H., and SONG, E. Rich powder from papaya. (Excerpts.) Food Engin. 23(9):147. Sept. 1951. 389.8 F737

- 87640 KOCH, J. Kochen sich frühzwetschen bei der musbereitung sauer? Obstbau 70:101-102. July 1, 1951. 80 Ob73
- 87641 KOERVER, C. Experiments with stabilization of fruit for Ice cream. (Extr.) Ice Cream Rev. 35(2):50, 52, 97-102. Sept. 1951. 389.8 Ic22
- 87642 LANTY, H. L. DE. Mettez tout en conserve. Rustica 24:591, 606. July 1, 1951. 14 R92
Home fruit and vegetable canning.
- 87643 LEGAULT, R. R., HENDEL, C. E., and TALBURT, W. F. Storage of dehydrated vegetables. Canner 113(11):11. Sept. 15, 1951. 286.83 C16
- 87644 LINDQUIST, F. E., DIETRICH, W. C., and BOGGS, M. M. Effect of processing procedure on quality of frozen whole-kernel sweet corn. Food Technol. 5:381-384. Sept. 1951. 389.8 F7398
Abstract in Canner 113(10):10. Sept. 8, 1951. 286.83 C16
- 87645 MCBEAN, D., and SHIPTON, J. The dehydration of apricots and peaches. Victoria. Dept. Agr. J. 49: 269-272. June 1951. 23 V66J
- 87646 MCCOY, D. C. Refrigeration for the orchard-ist. Minn. Hort. 79:102-103. Aug. 1951. 81 M66
- 87647 MATSUI, S., and MURATA, N. Studies on chestnut varieties suitable for making marrons glacés (glacé chestnuts). (In Japanese.) Hort. Assoc. Japan. J. 19:161-167. Dec. 1950. 87 H78
English summary.
- 87648 MINZ, G. The loss of weight in storage of Shamouti oranges. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:199-209. Dec. 1950. 107 J552
Abridged English translation, p. 45-48.
- 87649 MOSER, R. E. Home canning and freezing of peaches. Va. Fruit 39(8):32-34. Aug. 1951. 81 V81E
- 87650 NIMMO, C. C., WALKER, L. H., and SEAMANS, V. S. Influence of storage conditions on frozen and canned apple juice concentrates. (Abs.) Canner 113(10):10. Sept. 8, 1951. 286.83 C16
- 87651 OGATA, K. Studies on the storage of perishable agricultural products. II. Studies on the storage of onions. I. On the cold storage of onions. (In Japanese.) Hort. Assoc. Japan. J. 19:229-233. Ref. Dec. 1950. 87 H78
- 87652 PAL, B. P. Dried litchis. Indian Farming (n.s.) 1(3):13. June 1951. 22 In283
- 87653 PASCUAL DE QUINTO, F. Conservación del omate. Agricultura [Madrid] 20:336-340. July 1951. 5 Ag84
- 87654 PENTZER, W. T. Refrigerated storage of Florida oranges and grapefruit. Amer. Warehousemen's Assoc. Proc. 60:103-111. 1951. 297.9 Am32
- 87655 PETIT, J. Modernicemos nuestros métodos de pensar la uva. Semana Vitivinica. 253:2,7; 254:2-3, 11. May 5-12, 1951. 95.8 Se5
- 87656 PIMENOVA, A. S. Fungus Typhula on stored cabbage. (In Russian.) Sad i Ogorod 3:78. Mar. 1951. 80 Sa13
- 87657 SCHWARZ, G., and MALSCH, L. Beitrag zur vergärung von obststresern. Brannntweinwirtschaft 5:185-187. June 15, 1951. 390.8 B7322
- 87658 SCOTLAND. DEPT. OF AGRICULTURE. Storage and dressing of seed potatoes. Scot. Dept. Agr. Adv. L. (n.s.) 19, 9 p. 1951. 10 Sco82L
- 87659 SHOJI, K. Storage studies of vapor-heat- and ethylene-dibromide-treated papaya. Hawaii. Agr. Expt. Sta. Prog. Note 67, 5 p. July 1951. 100 H313P
- 87660 SPOON, W., SESSELER, W. M., and DESSENS, H. B. Juices of oranges and grapefruit from Surinam. (In Dutch.) Voeding 12:256-262. July 15, 1951. 389.8 V85
English summary.
Quality.
- 87661 STELLY, R. Dehydration of sweet potatoes in Louisiana, 1946-51. La. Rur. Econ. 13(3):1,4-6. Aug. 1951. 281.8 L93
- 87662 STERN, I. Concentrated citrus fruit juices. II. Perfumery & Essential Oil Rec. 42:275-277, 286. Aug. 1951. 308.8 P41
- 87663 STRATTON, C. L., and WHITNALL, J. Frozen apple juice. Amer. Fruit Grower 71(9):12, 23. Sept. 1951. 80 G85
- 87664 STRÖSSNER, H. Beschreibung einer kühlanlage für äpfel. Obstbauberatungsring. Mittbl. 6(3):4-5. June 1, 1951. 85 Ob72
- 87665 SWINK, E. T. Trends in the use of electricity for curing sweet potatoes in the Southeast. (Abs.) Assoc. South. Agr. Workers. Proc. 48:36-37. 1951. 4 C82
- 87666 TIEDJENS, V. A. Your vegetable storage problems. Horticulture 29:331. Sept. 1951. 80 H787
- 87667 U. S. BUR. OF AGRICULTURAL ECONOMICS. Apple manufactures, the use of apples in cider mills, evaporators and canneries in New York State, 1937-50. Albany, 1951. 6 p. 1.942 F6Ap5
New York State Department of Agriculture and Markets cooperating.
Statistical report.
- 87668 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Home canning of fruits and vegetables; points for success. U. S. D. A. Home & Gard. B. 8, 24 p. 1951. 1 Ag84Hg
Formerly AIS-64.
- 87669 U. S. PRODUCTION AND MARKETING ADMIN. Plants approved to pack processed fruits and vegetables under continuous inspection (as of February 1, 1951). Washington, 1951. 14 p. 1.9422 Fr8P69
- 87670 VAN BLARICOM, L. O. Serious problems confronting the processing of overproduction crops. Tenn. State Hort. Soc. Proc. 45:58-61. 1950. 81 T25
Fruit and vegetables.
- 87671 WARD, N. M. Recomendaciones para almacenar cebollas. Serv. Coop. Interamer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr. 21:70-72. Feb. 1951. 9.8 P4352
- 87672 WEBSTER, J. E., and ROMSHE, F. Watermelon strap; how to make it at home. Okla. Agr. Expt. Sta. Mimeog. C. M-227, 2 p. Aug. 1951. 100 Ok4M
- 87673 WICKENDEN, L. Summer crops for winter use; a clever yet simple storage bin avoids the traditional frenzy of the winter vegetable hunt. Org. Gard. 19(3):41-43. Sept. 1951. 56.8 Or3
- 87674 XANDRI TAGUENA, J. M. La extracción de aceites de las pepitas de uva. I-II. Stembra [Madrid] 7(3):6-7; (5):16-20. Mar., May 1951. 15 Si1

Statistics

- 87675 DALMASSO, G. A census of fruit trees (h. Switzerland). (In Italian.) Colt. e Glor. Vinic. Ital. 97: 198. July 15, 1951. 16 C72
- 87676 GERMANY. FEDERAL REPUBLIC, 1949-. STATISTISCHES BUNDESAMT. Die ernte von gemüse und erdbeeren 1950. Germany. Statls. Bundesamt. Statls. Ber. III/5/12, 51 p. June 15, 1951. 265 V58
- 87677 GERMANY. TERRITORY UNDER ALLIED OCCUPATION, 1945-. VEREINIGTES WIRTSCHAFTS-GEBIET. Anbau von gemüse 1950 (endgültige anbauermittlung nach der gartenbauerhebung 1950). Germany. Statls. Bundesamt. Statls. Ber. III/7/1, 27 p. Apr. 6, 1951. 265 V58
Statistics.
- 87678 NEW JERSEY. DEPT. OF AGRICULTURE. Facts and figures. Annual potato summary, crop of 1950. N. J. Dept. Agr. C. 381, 29 p. May 1951. 2 N46C
- 87679 SCHREIBER, W. R. World filbert harvest large. Calif. Fruit News 124(3297):9-10. Sept. 15, 1951. 80 C12
- 87680 U. S. BUR. OF AGRICULTURAL ECONOMICS. Tree nuts; acreage, production, farm disposition, value, and utilization of sales, 1948, 1949 and 1950. Washington, 1951. 9 p. 1.941 H8N95
- 87681 VAN ROOYEN, J. H. From fever-ridden jungle to modern fruit estate; striking development of Lowveld project. Farmer's Wk. [Bloemfontein] 81:55. Aug. 15, 1951. 24 F225
Kinds and number of trees and fruit yields.

GRAIN AND GRAIN PRODUCTS

- 87682 ANDERSON, N. R. Does your packaging cost you sales? Printers' Ink 236(11):46-47. Sept. 14, 1951. 238.8 P932
Packaging of Minute Rice.
- 87683 ANGELO, G. G. DELL'. The milling industry. (In Italian.) Riv. di Econ. Agr. 6:274-279. 1951. 281.8 R52
English summary.
Italy.
- 87684 BAEHR, H. A. A report on the Mexican flour milling industry. Nowest. Miller 246(10):26, 30. Sept. 4, 1951. 298.8 N61
- 87685 BANERJEE, E. A. R. The position of cereal production in the Province of West Bengal in relation to requirements. Bot. Soc. Bengal. B. 4:57-62. Apr. 1950. 451 B659

- 87686 BARMORE, M. A., and others. Relationship between bran thickness and milling qualities of some Pacific Northwest wheats. Nowest. Miller (Milling Prod. Sect.) 246(11):1a,3a-4a. Sept.11,1951. 298.8 N81
E. F. Seeborg, R. A. Larkin, M. M. MacMasters, M. J. Wolf, and C. E. Rist, joint authors.
- 87687 BARRY, H. C. Report on uric acid in cereal products. Assoc. Off. Agr. Chem. J. 34:520-522. Aug.15, 1951. 381 As7
- 87688 BATISTA, J. D. L. Data on the culture of rice in Portugal. (In Portuguese.) Granja [Lisboa] 10:119-128. (Cont.) Apr./June 1951. 15.5 G76
The industry.
- 87689 BEA, A. Inauguración de una nueva fábrica de harinas sistema Gohi. Ceres [Valladolid] 16(181):22-23. June 1,1951. 15 C33
- 87690 BENGTSOON, N. Simple grain silos suitable for peasant farms. (In Swedish.) Lantmannen 35:365-366. May 5,1951. 11 L234
- 87691 BENNETT, E. On the composition and chemical structure of the hemicelluloses from cornstalks (Zea mays). Pa. State Col. Abs. Doct. Diss. 13:1-2. 1951. 241.8 P38
- 87692 BERNFUS, E. Die getreidelagerung. Verssta. f. das Gärungsgewerbe. Mitt. 5:13-15. Jan./Feb.1951. 390.08 V67
- 87693 BERTHAULT, P. Le prix du blé et le problème d'une agriculture prospère. Rev. Agr. de l'Afrique du Nord 49:565-568. Aug.3,1951. 80 R326
- 87694 BOLSA DE CEREALES, BUENOS AIRES. Memoria e informe presentado por la comisión directiva en la asamblea del 27 de abril de 1951, ejercicio 1950-1951. Buenos Aires,1951. 107 p. 287 B866M
- 87695 BOSTON GRAIN & FLOUR EXCHANGE. Twenty-sixth annual report. Boston,1951. 8 p. 287 B656
- 87696 CALIMERI, M. The ways of grain. (In Italian.) Arte Bianca 6(20):5. July 11,1951. 389.8 Ar7
- 87697 CANADA. BOARD OF GRAIN COMMISSIONERS. Annual report, 1950. Ottawa,1951. 76 p. 59.9 C163
- 87698 CANEPA, F. Mi opinión no puede ser más satisfactoria en relación con el sistema que ha regulado la última campaña triguera. Siembra [Madrid] 7(4):3-4. Apr.1951. 15 S11
Spain.
- 87699 CHATTERJEE, I. Rice in West Bengal's food economy and its production and conservation. Bot. Soc. Bengal. B. 4:7-16. Apr.1950. 451 B659
- 87700 CHRISTENSEN, J. Silo storage of grain. (In Danish.) Dansk Landbr. 70:161-162. Apr.5,1951. 280.28 V91
- 87701 CLENDENAN, E. F. Four year's export trade builds B. C. flour mill. Milling & Feed 32(8):15-17. Aug. 1951. 298.8 C162
- 87702 CLOTHIER, B. Control of rodents in grain warehouse. Milling & Feed 32(3):19-20. Mar.1951. 298.8 C162
- 87703 COLLIGNON, H. F. Vom gersten-, malz- und futtermittelmarkt: der gerstenmarkt. Brauwelt 31:654. Aug.2,1951. 390.8 B732
Germany.
- 87704 COLOMBIA. MINISTERIO DE AGRICULTURA. Informe sobre progreso del programa cooperativo entre el Ministerio de Agricultura y la Fundación Rockefeller, mayo de 1951. Rev. Nac. de Agr. 45(554):13-41. June 1951. 9.4 R32
Report of the program relating to wheat and corn.
- 87705 CONN, E. E., and VENNESLAND, B. Glutathione reductase of wheat germ. J. Biol. Chem. 192:17-28. Ref. Sept.1951. 381 J824
- 87706 DERIBERE, M. Le séchage infrarouge du riz et du cacao. Rev. Internatl. des Prod. Colon. 26:133. June/July 1951. 286.8 R326
- 87707 DICKEY, J. B. R. What has happened to rye? Pa. Farmer 145:130,161,169. Sept.8,1951. 6 P383
Decrease in production; rye as pasture and varieties.
- 87708 DIENST, K. Der einfluss der vakuum-konditionierung auf den feinheitstgrad der mehle. Mühle 88:505-506. Aug.2,1951. 298.8 M89
- 87709 DUNSTAN, C. W. Wheatgrowers' returns. Poultry Farmer [Sydney] 19:19-21. July 7,1951. 280.28 Or32
Australian prices.
- 87710 EHRLSMANN, J. Die mühlenwirtschaft in der Schweiz. Mühle 88:496-497. July 26,1951. 298.8 M89
- 87711 EISGRUBER, G. Quetschen und vorbrechen. Deut. Müller-Ztg. 49:406-407. Aug.8,1951. 298.8 Su2
Rye and wheat.
- 87712 ENGLISH, M. P. Fermentation of malt extract. Nature [London] 168:391. Sept.1,1951. 472 N21
- 87713 FARMERS GRAIN DEALERS ASSOCIATION OF ILLINOIS. Forty-eighth annual directory. Bloomington, 1951. 138 p. 59.9 IL64
- 87714 FARQUHAR, A. J. South Australian F.A.Q. wheat, 1950-51 harvest; results of milling, chemical and baking tests. So. Austral. Dept. Agr. J. 54:504-506. May 1951. 23 So84
- 87715 FELICIANO, H. The "Central" rice mills and "Central" Columbar Palay Driers. Philippine Agr. Engin. J., First Q.1951:29-30. 58.8 Ag88
- 87716 FINK, H., WÖGER, K., and HEIDER, H. Ubei versuche mit zwei neueren schnellfeuchtigkeitsbestimmungs-apparaten. Brauwelt 20:388-390. May 17,1951. 390.8 B732
For malt, barley, and other products.
- 87717 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Commodity reports; rice, 2,29 p. Dec.15,1950. 281.3599 F73C
- 87718 FREEMAN, W. A. Rice Consumer Service starts information program to groceries and chains. Rice J. 54(8):22,24-25. Aug.1951. 59.8 R36
Public relations.
- 87719 GALLIE, A. K. The milling of wheat to varying extractions. Milling 117:110-111,138,140,156,158. (Cont.) Aug.4-18,1951. 298.8 M622
- 87720 GOENAGA, R. Une révolution dans l'art de secher la farine. Meun. Franç. 59:31-32. June 1951. 298.8 M57
- 87721 GONÇALVES, P. A. Construction of a rice drier. (In Portuguese.) Lav. Arroz. 5(54):9,11-12. June 1951. 59.8 L39
- 87722 GÖPP, K. Zum stand der sommergerste im juli. Brauwelt 30:629-630. July 26,1951. 390.8 B732
Germany.
- 87723 GOULD, M. Rice is the life blood of the Orient, but the U. S. is a big producer. Grain & Feed Rev. 41:10, 57. Sept.1951. 280.28 C78
- 87724 GREER, E. N. The milling and baking properties of home grown winter wheat 1947-1949. Natl. Inst. Agr. Bot. J. 5:459-464. 1950. 103 N21J
- 87725 GUSTAFSSON, N. E. Considerations in connection with threshing of grain and seed. (In Swedish.) Västerbotten 5/6:142. Nov.1950. 11 V442
- 87726 HACHMANN, W. Sortierung von menggetreide Mühle 88:489-490. July 26,1951. 298.8 M89
- 87727 HALL, T. E. Economic considerations for southern grain storage facilities. (Abs.) Assoc. South. Agr. Workers. Proc. 48:130. 1951. 4 C82
- 87728 HANAU, A. Für eine bewegliche getreidepreispolitik. Ernährungsdienst 6(68):5-6. June 19,1951. 389.8 Er62
Germany.
- 87729 HANSEN, F. K. Grow less roughage. (In Danish.) Dansk Landbr. 70:191-192. Apr.19,1951. 280.28 V91
Grain marketing regulations.
- 87730 HAYLETT, D. G., and SMIT, R. J. Maize as human food. Farming So. Africa 26:217-221. July 1951. 24 So842
Composition and nutritive value.
- 87731 HOLLORAN, E. F. Beware elevator fires! Amer. Feed & Grain Dealer 35(7):10-11,27. Aug.1951. 298.8 C83
- 87732 HUDTLOFF, M. J. 'Mothball' fleet of stored grain; report on a unique experiment by Government. Feed Bag 27(8):30. Aug.1951. 389.78 F32
Grain storage and fumigation.
- 87733 INDIANA GRAIN & FEED DEALERS ASSOCIATION. Directory of Indiana millers, grain and feed dealers, 1951. Indianapolis,1951. 280 p. 225 In22
- 87734 KLIMMEK, H. Der erste weizenschrot als schrittmacher der vermahlung. Müllerel 4:343-344. May 26,1951. 298.8 M91
- 87735 LAAN, P. J. V. D. Effects of diet on toxicity of flour treated with nitrogen trichloride. (In Dutch.) Voeding 12:281. July 15,1951. 389.8 V85
- 87736 LANGLOIS, R. Comment réduire le coût des battages dans les petites et moyennes exploitations. Rev. Agr. de l'Afrique du Nord 49:142-144. July 6,1951. 80 R326
- 87737 LARKEV, G. F. Perú—la producción y manipuleo del trigo. Bolsa de Cereales, Buenos Aires. Rev. 38(2007):28. (Cont.) Aug.16,1951. 287 B866
- 87738 LEOPOLD, R. Österreichs getreideversorgung. Agr. Rundschau 6:7-19. Summer 1951. 280.8 Ag82

- 87739 LEWIS, F. A. Corn products; they play an essential role in the manufacture of textiles. Rayon & Synthetic Textiles 32(9):85-86,106. Sept.1951. 304.8 R21
- 87740 LOCKARD, C. R. Corn cutting and cracking machinery. Milling & Feed 32(3):33. Mar.1951. 298.8 C162
- 87741 MAHO, J. A. Un progrès décisif dans la technique du stockage et de la conservation des grains. Meun. Franç. 57:43-48. Apr.1951. 298.8 M57
- 87742 MARCOS GONZALEZ, R. Más pormenores sobre las humedades de las harinas. Ceres [Valladolid] 16(181):27,29-30. June 1,1951. 15 C33
- 87743 MARCOS GONZÁLES, R. Molinería técnica; de confrontación. Ceres [Valladolid] 16(179):18-19. May 1,1951. 15 C33
- 87744 MEHR, H. Die fachkenntnis des getreide- und mühlenkaufmanns. Mühle 88:512-513. Aug.2,1951. 298.8 M89
- 87745 MENESSON, H. Le prix du blé à 3.800 francs sauf nouvelles hausses. Nord. Agr. 7(31):2. June 1,1951. 14 N75
- Control in France.
- 87746 MEY, W. Die lage auf dem brotgetreidemarkt. Verbraucher 5:213-214. May 12,1951. 280.28 K833 Germany.
- 87747 NIYOGI, J. Foodgrains shortage in West Bengal and the way out. Bot. Soc. Bengal. B. 4:17-24. Apr. 1950. 451 B659
- 87748 PANAMA. CONTRALORIA GENERAL. DIRECCION DE ESTADISTICA Y CENSO. Arroz: importación, producción y precio del grano. Panama. Contraloría Gen. Dir. de Estadfs. y Censo. Estadfs. Panameña. Informes Especiales 1(4),14 p. Sept.1950. 254 P197E
- 87749 PEREZ LOREN, A. Trigos y harinas. Ceres [Valladolid] 16(179):6-7. May 1,1951. 15 C33
- Milling.
- 87750 PERRIN, L. N. The miller's use of the commodity exchange. Nowest. Miller 246(11):18-19. Sept.11, 1951. 298.8 N81
- 87751 PFEUFFER, F. Griffge und verschliffene mehle. Deut. Müller-Ztg. 49:405-406. Aug.8,1951. 298.8 Su2
- 87752 PLEVOETS, G. Contribution à l'amélioration des analyses d'orge et de malt. Petit J. du Brasseur 59: 201-203. Mar.16,1951. 390.8 P44
- 87753 POPOV, W. Fördergebälse, die man in Hamburg sah. Landtechnik 6:458-461. July 15,1951. 58.8 L235
- 87754 RICE MILLERS' ASSOCIATION. Rice acreage in the United States, 1951. New Orleans,1951. 4 p. 59.9 R362A
- 87755 ROBERTS, R. L., HOUSTON, D. F., and KESTER, E. B. Expanded rice product; a new use for parboiled rice. Food Technol. 5:361-363. Ref. Sept.1951 389.8 F7398
- 87756 SACKS, W., and JENSEN, C. O. Malease, a hydrazase from corn kernels. J. Biol. Chem. 192:231-236. Sept.1951. 381 J824
- 87757 SCHILL, L. Frühdrusch bringt höheren preis! Das neue bundesgesetz zur versorgung mit brotgetreide und futtermitteln. Bauern-Ztg. 4(30):3. July 27,1951. 18 B324
- Regulation of marketing in Germany.
- 87758 SCHREUS, T. Der einfluss der luftfeuchtigkeit auf den siebvorgang. Mülerei 4:345-346. May 26,1951. 298.8 M91
- 87759 SHEDD, C. K. Some new data on resistance of grains to air flow. Agr. Engin. 32:493-495,520. Sept. 1951. 58.8 Ag83
- 87760 SMITH, E. C. Copeland installs first Canadian pneumatic mill. Milling & Feed 32(3):15-18. Mar.1951. 298.8 C162
- 87761 SOMMERKAMP. Späte und schwierige getreideernte 1951. Landwirtbl. Weser-Ems 98:652. July 26,1951. 18 L2345
- 87762 STERN, R., and BIRD, L. H. Suppression of catalase activity by peroxidase and its substrates. Biochem. J. 49:335-338. Aug.1951. 382 B52
- In wheat germ.
- 87763 SUISSE, P. Amélioration et extension de la culture du blé dur au Maroc. Terre Marocaine 25:217-218. July 1951. 24 T44
- 87764 SVENSON, J. Neuere erfahrungen auf dem gebiet der bestimmung der keimfähigkeit des getreides. Brauereiwirtschaft 5:225-227. July 10,1951. 390.8 B7322
- 87765 ULRICH, H. Vor festlegung der typenzusammenstellungen erst überlegen und asche-vorausrechnungen anstellen! Mülerei 4:341-343. May 26,1951. 298.8 M91
- Flour types.
- 87766 U. S. BUR. OF AGRICULTURAL ECONOMICS. Rice, estimates of acreage, yield and production, 1949 and 1950, by counties. Washington,1951. 5 p. 1.941 H8R38
- 87767 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Grain conservation, by R. Snyder, D. G. Hall, and M. E. Bliss. Washington,1951. 5 p. 1.914 R2R11
- Storage on the farm, drying, and insect control.
- 87768 VOTTERO, G. F. The control of the milling industry; comment on law No. 857 of November 7, 1949. (In Italian.) Italia e i Cereali 6:241-249. May 1951. 59.8 It1
- 87769 WALTER, L. Some basic facts about efficient grain drying. Canad. Milling & Feed 32(5):16-17,25. May 1951. 298.8 C162
- 87770 WATERSTON, D. L. Export flour, mixed feed keep Dewart mill busy. Canad. Milling & Feed 32(4):15-16,30. Apr.1951. 298.8 C162
- Canada.
- 87771 WEISS, F. Getreidewirtschaft 1951/52. Württemb. Wchnbl. f. Landwirt. 118:621-622. Aug.4,1951. 18 W96
- Also in Bad. Landwirt. Wchnbl. 118:461-462. Aug.4. 1951. 18 B142

HONEY AND BEESWAX

- 87772 BRICE, B. A., and others. Permanent glass color standards for extracted honey. Mod. Beekeeping 35:199-201,211. June 1951. 424.8 B397
- A. Turner, Jr., J. W. White, Jr., F. L. Southerland, L. S. Fenn, and E. P. Bostwick, joint authors.
- 87773 CARTER, G. A. Density of honey. Bee Craft 33:151. Aug.1951. 424.8 B3925
- 87774 CONCORDET, M. Pour le miel de France. Rev. Franç. d'Apic. (ser.2)62:501-502. Feb.1951. 424.8 R329
- Advertising.
- 87775 COUTINHO, L. P. Unexplored riches of Mozambique: honey and wax. (In Portuguese.) Moçambique 63:13-87. Sept.1950. 110 M71
- English summary.
- Analysis: Includes possibilities for apiculture.
- 87776 DAVIS, W. G. Judging honey. So. African Bee J. 26(2):16-17. May/June 1951. 424.8 So82
- 87777 DORNACH, Z. Honigpreis. Apic. Alsacien 8:124-125. Aug.1950. 424.8 E17
- 87778 FRANZ, T. Wachsstreifen in alter zeit. Osterr. Imker 1:52-53. Mar.1951. 424.8 Os7
- 87779 GOSSENBERGER, A. Honigwerbung—tannen-honig. Deut. Kleintier-Züchter 6:7. (Cont.) July 20, 1951. 49 Su22
- 87780 GREEN, G. W. Honey marketing. Brit. Bee J. 79:497. June 30,1951. 424.8 B77
- 87781 KAMENETZKI, B. Miel et santé. Rev. Franç. d'Apic. (ser.2)62:509-510. Feb.1951. 424.8 R329
- 87782 MOSTADE, F., and BERTRAND, F. Comment étiquetterons-nous? Gaz. Apic. 52:210-212. July 1951. 424.8 G25
- 87783 NORELIUS, J. Catastrophe. (In Swedish.) Bitidningen 50:226-227. July 1951. 424.8 B54
- Honey marketing in Sweden.
- 87784 REICHERT, G. Vente et mévente du miel. Réveil Agr. 60:177-178. June 15,1951. 14 R322
- France.
- 87785 TONNEAU, J. Présentation du miel. Gaz. Apic. 52:69. Mar.1951. 424.8 G25
- 87786 WARREN, MRS. C. Enjoy your honey selling. Mod. Beekeeping 35:191-193. June 1951. 424.8 B397
- Roadside marketing.

LIVESTOCK AND LIVESTOCK PRODUCTS

- 87787 ALLEN, L. C. Money in cattle feeding. Prog. Farmer, Tex. Ed. 66(9):22,129. Sept.1951. 6 T311
- 87788 ANDERSON, R. The safest way to feed cattle now; buy light stuff, and be ready to move fast if the market changes. Farm J. 75(9):31,147-148. Sept.1951. 6 F2212
- 87789 ANGLISS, SIR W. Can Australia supply more meat? New Commonwealth 22:167-168. Sept.1951. 280.8 C88
- 87790 BARILI, P. The production of meat. (In Italian.) Gior. di Agr. 61:249. Aug.12/19,1951. 16 It1G
- The industry in Italy.
- 87791 BARONI, E. The horse crisis and the Livestock Organizations. (In Italian.) Rass. Econ. del Pole-sine (n.s.)5:48-54. Mar./June 1951. 280.8 R183

87792 BEATTIE, W. A. Inland [cattle] killing. Is it an economic proposition? *Past. Rev.* 61:619-620. June 16, 1951. 23 Aug75
In Australia.

87793 BECKMAN, H. J. Swine change—feed costs cause [Central] Valley [California] hogmen to resort to feeder production. *West. Livestock J.* 29(48):143-144. Aug. 15, 1951. 6 F2278

87794 CARTER, E. G. Wool grease. *Wool Knowl.* 2 (2):14-16. Summer 1951. 304.8 W886

87795 CHITTENDEN, D. W. Value of county, state and sectional associations. *Livestock Wk.* 5(38):10,41. July 26, 1951. 49 L753

87796 CONWAY, H. M. Uncertainties plague live stock production. *Natl. Live Stock Prod.* 29(11):6,20. Sept. 1951. 280.38 N21

87797 FEUNTEUN, L. Le mouton à laine dans les T.O.M. [Territoires d'Outre-Mer]. *Marchés Colon.* 7: 2025-2026. July 28, 1951. 286.8 M33

87798 FURLONG, J. R. Production and marketing of colonial hides and skins. *Colon. Plant & Anim. Prod.* 1: 271-283. 1950. 472 C71

87799 GILL, L. Beef production at the source; a story of the Horse Prairie Valley. *Mont. Farmer—Stockman*, Aug. 1, 1951:44. 6 M764

The industry in southern Beaverhead County, Montana.

87800 GUSLER, G. The outlook for the cattleman. *Nebr. Farmer* 93(16):10,63. Aug. 18, 1951. 6 N27

Similar title in *Mont. Farmer—Stockman*, Aug. 1, 1951: 48,50. 6 M764 and *Ohio Farmer* 208(4):16-17. Aug. 18, 1951. 6 Oh3

87801 GUSLER, G. There's still money to be made in turning feed into pork. *Ohio Farmer* 208(3):3,39. Aug. 4, 1951. 6 Oh3

Similar title in *Farmer [St. Paul] Gen. Ed.* 68(16):28-29,47. Aug. 18, 1951. 6 F2211

87802 GYNN, G. Big money for baby beef. *Farmer & Stock-Breeder* 65(3222):39-40. July 24, 1951. 10 F228

Beef cattle industry in Great Britain.

87803 HJELM, L., and PERSSON, C. J. Köttproduktionens ekonomiska förutsättningar [The economic basis for meat production]. *Jordbr. Utredningsinst. Skr.* 1, 65 p. Ref. Jan. 1951. 11 St63

English summary.

Cattle.

87804 LANCASTER, K. Balancing meat price demands; a study of the position in Great Britain. *Muster (n.s.)* 1(2):3. Apr. 27, 1951. 45.8 M97

87805 MANLY, J. A tale about tails. *Cattleman* 38(4):186-187. Sept. 1951. 49 C29

Utilization of horsehair.

87806 OLSEN, L. Livestock outlook; the meat situation looks good and larger feed crops are predicted. *U & I Cult.* 11(2):40. Sept. 1951. 66.8 UL12

87807 PRUNIER, R. Laboratoire colonial de physico-zootechnie. *Conf. Internat. des Africanistes de l'Ouest. Compt. Rend.* 1(2):558-562. 1951. 515 C762C

Research in livestock products.

87808 REHWINKEL, Schluss mit der ueberproduktion an schweinen. *Hannoversche Land- u. Forstwirt. Ztg.* 104:431. May 12, 1951. 18 H194

87809 RENOM, G. H. La ganadería y sus problemas. *Pampa Argentina* 24(280):2,20. Apr. 1951. 9 P19

Livestock industry.

87810 ROUY, H. La production de viande de mouton semble stationnaire. *Mouton* 6:63-64. June 1951. 45.8 M86

87811 RUSSELL, J. S. Feeders can't just wait out all the answers; steers ready now are coming to market. Others may eat grass while rollbacks are argued and this could force ceilings on hogs. *Iowa Farm & Home Register*, July 1, 1951:7-H. 6 Io94

87812 SAGNE, J. Le mouton algérien chez lui.

Elevage et Cult. 3(27):7-9. Mar. 1951. 24 EL2

The industry.

87813 SCOTT, C. The Kenya Meat Commission and its critics; cold storage and canning factory project under fire. *African World*, Sept. 1951:19. 286.8 Af8

87814 TAMAYO, F. Informe general sobre el problema caprino en Carache, Estado Trujillo. *Agr. Venezol.* 15(147):8-12. Oct./Nov. 1950. 9.95 Ag8

87815 THORNE, G. B., and HAVERKAMP, L. J. Beef production, consumption and price. *Shorthorn World* 36 (10):50,348-350. Aug. 10, 1951. 43.8 Sh8

87816 TRAWINSKI, A. Collaboration of science with the meat industry. (In Polish.) *Med. Weter.* 7:361. June 1951. 41.8 M463

87817 U. S. BUR. OF ANIMAL INDUSTRY. More meat for defense; methods of obtaining more efficient livestock production. U. S. D. A. PA-156,21 p. 1951. 1 Ag84Pro

87818 U. S. CONGRESS. JOINT COMMITTEE ON DEFENSE PRODUCTION. Defense Production Act; progress report—No. 9. Hearings, 82d Cong., 1st sess. to hear witnesses on the meat production and supply situation, June 13 and 15, 1951. Washington, 1951. p.463-561.

87819 WALSTEDT, L. The present conditions of sheep farming. (In Swedish.) *Lantbrtidskr. f. Dalarna* 3:94-97. June 1951. 11 L29

Analysis and Composition

87820 BEAR, R. S. X-ray diffraction studies; a review of recent researches which concern collagen. *Amer. Leather Chem. Assoc. J.* 46:438-445. Ref. Aug. 1951. 303.9 Am32

87821 CHAMBARD, P., and JULLIEN, I. Etude sur l'épilage. 2. B. de l'Assoc. Franç. des Chim. des Indus. du Cuir et Doc. Sci. et Tech. des Indus. du Cuir 13:27-35. Feb. 1951. 303.8 B87

87822 MAHON, J. H., and CHAPMAN, R. A. Butylated hydroxyanisole in lard and shortening; control analysis. *Analyt. Chem.* 23:1120-1123. Aug. 1951. 381 J825A

87823 MAHON, J. H., and CHAPMAN, R. A. Estimation of antioxidants in lard and shortening. *Analyt. Chem.* 23:1116-1120. Aug. 1951. 381 J825A

87824 MUNZBERG. Fleischwaren-leistungsprüfungen 1951. *Neue Mitt. f. die Landwirt.* 6:234. Apr. 14, 1951. 18 N39

Quality tests and prices.

87825 WRIGHT, B. A., and WIEDERHORN, N. M. Studies concerned with the structure of collagen. I. An X-ray investigation of the denaturation of collagen. *J. Polymer Sci.* 7:105-120. Ref. Aug./Sept. 1951. 381 J829

Consumption and Utilization

87826 ALBERTO, M. Consumption of meat in Trentino. (In Italian.) *Cam. di Com. Indus. e Agr. del Trentino. B. Mens.* Mar. 1951:1-2. 287 T72

87827 AULT, W. C. Animal fats and oils as industrial raw materials. *Chemurg. Digest* 10(9):4-6. Sept. 1951. 381 N213Na

87828 YOUNG, H. H. By-product utilization increases the value of livestock without increasing cost of meat. *Mont. Farmer—Stockman*, Aug. 1, 1951:62. 6 M764

Distribution, Marketing, and Transportation

87829 ASHBY, R. C. The cattleman and his market. *Nebr. Cattleman* 7(11):30-32. July 1951. 43.8 N27

87830 BAKER, F. M. Public relations in the beef cattle industry. *Canad. Cattleman* 14(7):10-11,34-35,38. July 1951. 49 C16

87831 BLACK, C. S. This man is dangerous! The story of a potential poisoner—and of an interesting experiment. *Better Health* 24:271,280,282. June 1951. 449.8 B46

Sanitation in meat markets.

87832 CHRISTIAN, W. E., JR. Marketing livestock in Mississippi. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:128. 1951. 4 C82

87833 FARLEY, F. W. What do I need to know about developing a market for my cattle? *Shorthorn World* 36 (10):134-135. Aug. 10, 1951. 43.8 Sh8

87834 FINDAHL, N. T. Don't hide your light under a bushel. *Shorthorn World* 36(10):178-182. Aug. 10, 1951. 43.8 Sh8

Cattle marketing.

87835 GOOCH, D. W. Bibliography on marketing of livestock, meat, and meat products. U. S. D. A. Bibliog. B. 15,209 p. June 1951. 1 Ag84Bi

87836 HARRIS, J. T. Livestock marketing in Georgia. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:129. 1951. 4 C82

87837 KREHAN, H. Wer trägt die gefahr beim kauf von "absatzfohlen"? *Kärntner Bauer* 101:422. July 21, 1951. 19 K14

87838 NEW ZEALAND CO-OPERATIVE PIG MARKETING ASSOCIATION. Annual report, statement of accounts and balance sheet 31st May, 1951. Auckland, 1951. 31 p. 280.2469 N48

87839 OTERO, L. Comercialización de las carnes. *Rev. de la Fed. Rur.* (ser.3)13(32):25-37. Nov. 1950. 9.9 R322

Includes discussion.
Uruguay.

87840 PHILLIPS, C. D. Marketing livestock in Kentucky. (Abs.) Assoc. South. Agr. Workers. Proc. 48:127-128. 1951. 4 C82

87841 PLATE, R. Vorausschau auf den schweine-markt. Neue Mitt. f. die Landwirt. 6:249-253. Apr. 21, 1951. 18 N39

Germany.

87842 RANDELL, C. G. Marketing southern livestock. (Abs.) Assoc. South. Agr. Workers. Proc. 48:126-127. 1951. 4 C82

87843 RODRIGUEZ TORRES, M. Cooperación ganadera. Campo [Sevilla] 10(107):29. Feb. 1951. 15 C15

Spain.

87844 SAINT-QUENTIN, M. Les vices rédhibitoires pouvant faire annuler la vente d'un cheval. Rustica 24: 543-544. June 17, 1951. 14 R92

France.

87845 SCHEAR, E., and others. Meat—the answers: a panel presentation. Super Mkt. Inst. Proc. 14:108-120. 1951. 286.29 Su7

R. E. Dillon, Jr., G. T. Carlin, and P. A. Goesser, joint authors.

87846 SCHEUER, J. H., and COHEN, H. M. Meat—back to the black market. New Repub. 125(14):15-16. Oct. 1, 1951. 280.8 N42

Cattle slaughter control.

87847 SIMS, E. M. Do you sell as you would like to buy? Shorthorn World 36(10):41-42, 435-436. Aug. 10, 1951. 43.8 Sh8

87848 STEIDL, R. Shawano County develops good marketing. Natl. Live Stock Prod. 29(11):16, 23. Sept. 1951. 280.38 N21

Cooperative livestock marketing in Wisconsin.

87849 SWAFFAR, C. D. Solve your selling problems. Shorthorn World 36(10):234-236. Aug. 10, 1951. 43.8 Sh8

87850 TAPIAS MARTIN, S. Importancia del transporte como final en las explotaciones pecuarias. Campo [Sevilla] 10(108):41. Mar. 1951. 15 C15

Spain.

Grading, Inspection, Standardization, and Quality

87851 COLE, J. W., GOLDEN, E. B., and SMITH, H. J. Carcass investigation with swine. (Abs.) Assoc. South. Agr. Workers. Proc. 48:71-72. 1951. 4 C82

Effects of feeding on carcass quality and effects of hog grading on value of bacon produced.

87852 COLLINS, J. H. Drugs for food-producing animals and poultry are a problem. No. Amer. Vet. 32: 607-610. Sept. 1951. 41.8 N812

87853 MARCQ, J., and STASSE, J. Observations faites sur des boeufs a l'engraissement et leur contrôle a l'abattage. Rev. de l'Agr. 4:1000-1050. Aug. 1951. 13 R322

English summary.

87854 MUIR, R. O., NORVAL, J., and SOULSBY, E. J. L. The isolation in pure culture of a coliform bacillus belonging to the paracolon group from the carcass of a ewe submitted for meat inspection. Vet. Rec. 63:565. Sept. 1, 1951. 41.8 V641

Includes discussion.

87855 PHILLIPS, R. The condition and average live and carcass weights of 'wastage' animals in West Wales (1943-46). J. Dairy Res. 18:1-30. Ref. Feb. 1951. 44.8 J823

87856 SENS. Bericht über tierärztl. lebensmittelüberwachung in den grossstädten Frankfurt/M. u. Wiesbaden nach kriegsende mit besönd. berücksichtigung der zeit nach der währungsreform bis ende 1949. Lebensmittelärzt 2:110-111. (Cont.) July 1951. 41.8 L49

87857 SIMONCINI, E. True weight of rawhide. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Conclanti. B. Uffic. 27:71-97. Apr. 1951. 303.8 It1

87858 TAYLOR, M. H. Weight means dollars. Natl. Live Stock Prod. 29(11):8. Sept. 1951. 280.38 N21

87859 U. S. BUR. OF ANIMAL INDUSTRY. Meat inspection service; summary of activities, fiscal year 1951. Washington, 1951. 12 p. 1.9 An537

87860 U. S. PRODUCTION AND MARKETING ADMIN. Official United States standards for grades of lamb, yearling mutton, and mutton carcasses (Title 7, ch. I, pt. 53, sections 53.114-53.118 of the Code of Federal regulations). Issued March 1931; reprinted with amendments, April 1951. U. S. Prod. & Mktg. Admin. S.R.A.-P.M.A. 123, 6 p. Apr. 1951. 1 M345

Prices, Price Control, and Rationing

87861 FRENCH, H. W. Market reacts from effects of rollback. Amer. Cattle Prod. 33(4):12, 14, 16. Sept. 1951. 49 P94

87862 GINSBURG, D. Price controls, production, ration planning—and beefs. Super Mkt. Inst. Proc. 14:30-34. 1951. 286.29 Su7

87863 HENNING, G. F. Analysis of hog prices in Ohio. Ohio Agr. Expt. Sta. Res. B. 696, 43 p. July 1951. 100 Oh3S

87864 HOLBERT, J. C. Will we or will we not continue to have price controls on beef? Corn Belt Lamb Feeder 10(16):7-8. June 7, 1951. 45.8 C81

87865 KUTISH, F. If you buy feeders; ceilings and high feeder prices make things tough for operators. Wallace's Farmer & Iowa Homestead 76(18):8. Sept. 15, 1951. 6 W15

87866 NARANJO BATMALE, F. Precios y comercio de la ganadería y derivados. B. de Divulg. Ganad. [Ciudad Real] 6(58/60, i.e. 61/63):37-46. Apr./June 1951. 49.9 Sp14

87867 SANDIFER, T. N. Labor will not accept weakened control law. Natl. Live Stock Prod. 29(11):12. Sept. 1951. 280.38 N21

Livestock price controls.

87868 SCHRADER, F. M. Rapports entre les prix des porcs et les prix des aliments. Digeste de l'Eleveur 5(9):17-20. May 1951. 49 D56

87869 STILL, J. Battle of the sirloin. Shorthorn World 36(12):18-20. Sept. 10, 1951. 43.8 Sh8

Beef prices.

87870 TAYLOR, A. W. Prices and production of fat stock. Scotch Shorthorn Rec., June 1951:19-20 43.8 Sco3

Processing and Storage

87871 BANERJEE, M. Dressing and dyeing fur skins Tanner 6:26, 28. (Cont.) June 1951. 303.8 T15

87872 BOSHOFF, T. P. From hide to fur. (In Afrikaans.) Landbouweekblad 33(1670):12-13. July 18, 1951. 24 L232

Union of South Africa.

87873 CHEN, P. S. Syntans and newer tanning methods. Leather Mfr. 62(8):15-16. (Cont.) Aug. 1951. 303.8 L484

87874 CROWN, R. M. Methods of storing cured meat under refrigeration. (Abs.) Assoc. South. Agr. Workers. Proc. 48:72-73. 1951. 4 C82

87875 DAS, B. M. and MITRA, S. K. Histological study of leather manufacture. I. Tanner 6:15-17. June 1951. 303.8 T15

87876 DAWSON, R. M. Meats. N. Dak. Agr. Col. Ext. C. A-162, 6 p. July 1951. 275.29 N812Sa

Preservation.

87877 FERRO COLTON, R. San Luis: clima ideal y punto estratégico para la industria del curtido de cueros. Mundo Agr. 3(25):108-111. June 1951. 9 M92

87878 GARCIA, P. Es necesaria la temperatura polar para la carne "vestida de blanco." Mundo Agr. 3(25):24-26. June 1951. 9 M92

87879 HINER, R. L., and HANKINS, O. G. Effects of freezing on tenderness of beef from different muscles and from animals of different ages. Food Technol. 5:374-376. Sept. 1951. 389.8 F7398

87880 ISLAM, I. The growth and development of tanning in Pakistan. Tanner 6:21-22. June 1951. 303.8 T15

87881 ISLAM, I. Some aspects of the Pakistan tanning industry. Tanner 6(2):15-16. July 1951. 303.8 T15

87882 KAUFMANN, D. W. Wilson setup for brine curing hides is "advance in the art." Natl. Provisioner 125(11):68-70, 81. Sept. 15, 1951. 286.85 N21

Hides.

87883 KRITZINGER, C. C. A study of certain conditions controlling wet-salting of heavy abattoir hides. Amer. Leather Chem. Assoc. J. 46:445-463. Aug. 1951. 303.9 Am32

87884 MORITZ, F. L. The King of Hamdom; no ham in the world can compare with Missouri country-cured pork. Mo. Farmer 43(8):3, 14. Aug. 1951. 6 M696

87885 RÉGO, J. F. DO. Use of salt in the preparation of leather. (In Portuguese.) Agr. e Pecuaria 22(332):5. May 1951. 9.2 Ag89

87886 SEN, J. C. Acid salt control in sole leather tanning. Tanner 6:23-25. June 1951. 303.8 T15

87887 SEN, J. C. Resorcinol tannage. *Tanner* 6(2):19. July 1951. 303.8 T15

87889 SILVEIRA, A. H. DA. Processing of the hog on the farm. (In Portuguese.) *Seleç. Agr.* 6(63):55-57. (Cont.) July 1951. 9.2 Se4

87889 THUAU, U. J. Les antiseptiques et les germicides dans l'industrie du cuir. *Rev. Tech. des Indus. du Cuir* 63:63-65,125-128. (Cont.) Apr.15, July 15, 1951. 303.8 C89

87890 TRAWINSKI, A. Reports on the scientific session of the Department of Hygiene of Food Products of Animals Origin, Veterinary faculty of M. C. Skłodowska University. (In Polish.) *Med. Weter.* 7:411-414. June 1951. 41.8 M463

87891 VOURLAUD, H. Congrès de la Société Internationale pour l'Amélioration des Cuirs et Peaux Bruts (Bruxelles, 29 et 30 septembre 1950). B. de l'Assoc. Franç. des Chim. des Indus. du Cuir et Doc. Sci. et Tech. des Indus. du Cuir 13:88-91. Apr.1951. 303.8 B87

87892 VOURLAUD, H., and DESJOURS. Étude de la conservation des peaux de veaux en poil (année 1950-1951). B. de l'Assoc. Franç. des Chim. des Indus. du Cuir et Doc. Sci. et Tech. des Indus. du Cuir 13:75-87. Apr.1951. 303.8 B87

Statistics

87893 BRÄUNING. Wo steht unsere viehwirtschaft? *Württemb. Wchnbl. f. Landwirt.* 118:622-623. Aug.4, 1951. 18 W96

Statistical.

87894 EVOLUTION du cheptel en Allemagne Occidentale et en France de 1935/38 à 1950. *Rev. d'Etudes Econ. Franco-Allemandes* 8:28-33. Apr.1951. 280.8 R3238

Text also in German.

Statistical.

87895 GERMANY. FEDERAL REPUBLIC, 1949-. STATISTISCHES BUNDESAMT. Der schweinebestand im Bundesgebiet. Germany. Statist. Bundesamt. Statist. Ber. III/15/8,3 p. July 13, 1951. 265 V58

87896 MASSA, D. Provision of meat for Rome with particular reference to the year 1950. (In Italian.) *Allevatore* 7(17):3. Apr.29, 1951. 49 AL55

Statistics.

87897 MUSGER, K. Stand der milchkühe und kalbinnen am 3. dezember 1950. *Osterr. Milchwirt.* 5:65-66. Mar. 7, 1951. 44.8 Os72

Statistics.

87898 QUEBEC. BUREAU DES STATISTIQUES. Fermes d'élevage d'animaux à fourrure. Fur farming industry. 1949. Quebec, 1949, pub. 1951. 8 p. 412.629 Q3

Statistics.

87899 SOUTHERN RHODESIA. COLD STORAGE COMMISSION. Thirteenth annual report and accounts for the period 1st January to 31st December, 1950. Bulawayo 1951. 36 p. 50.9 R34

Meat and livestock statistics.

87900 U. S. BUR. OF AGRICULTURAL ECONOMICS. Missouri lamb crop report, 1951. Columbia, 1951. 2 p. 1.941 S8L16

87901 U. S. BUR. OF AGRICULTURAL ECONOMICS. 1951 lamb crop report. Washington, 1951. 2 p. 1.9 Ec742La

OILS AND OILSEEDS

87902 ALBERTARIO, P. La situation mondiale de l'huile d'olive et des autres matières grasses. *Feuille d'Inform. Oleicoles* 21:657-665. (Cont.) First Q. 1951. 80 F432

87903 ANANIA, S. Aspects du marché de l'huile d'olive aux Etats-Unis. *Feuilles d'Inform. Oleicoles Internatl.* (n.s.) 11:57-63. Mar./Apr. 1951. 80 F43

English summary.

87904 BAYMA, C. Production of African oilpalm oil. (In Portuguese.) *Rev. de Quim. Indus.* 20(225):21. Jan. 1951. 385 R324

87905 BERGER, H. S. The Boston market. *Olive Oil Ybk.* 1951:59. 307.9 OL4

87906 BHATNAGAR, R. K. Technical difficulties in utilization of cottonseed. *Oils & Oilseeds J.* 4:6,8-9. July 1951. 307.8 O154

87907 BLACK, H. C., and MATTIL, K. F. Edible soybean oil products. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p.787-831. Ref. New York, Interscience, 1951. 60.3 M34

87908 BODMAN, J. W., JAMES, E. M., and RINI, S. J. Processing of edible soybean oil. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p.649-726. Ref. New York, Interscience, 1951. 60.3 M34

87909 BORBOLLA Y ALCALA, J. M. R. DE LA, GOMEZ HERRERA, C., and GUTIERREZ G. QUIJANO, R. Estudios sobre el aderezo de aceitunas verdes. *Rev. de Cien. Apl.* 5:143-155. Mar./Apr. 1951. 475 R324

87910 BORBOLLA Y ALCALA, J. M. R. DE LA, and GOMEZ HERRERA, C. Facteurs déterminant le rancissement de l'huile d'olive. *Feuilles d'Inform. Oleicoles Internatl.* (n.s.) 11:46-55. Ref. Mar./Apr. 1951. 80 F43

English summary.

87911 BRADLEY, T. F. Nonedible soybean oil products. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p.853-890. Ref. New York, Interscience, 1951. 60.3 M34

87912 BRIDGES, R. E., CHAKRABARTY, M. M., and HILDITCH, T. P. The composition of poppy seed oils. *Oil & Colour Chem. Assoc. J.* 34:354-360. Aug. 1951. 306.9 O15

87913 BROWN, E., and JARVIS, M. W. Avocado oil from Kenya. *Colon. Plant & Anim. Prod.* 1:318-320. 1950. 472 C71

87914 BROWN, E., ISLIP, H. T., and MATTHEWS, W. S. A. Lavender oil from Tanganyika. *Colon. Plant & Anim. Prod.* 1:308-312. 1950. 472 C71

87915 BROWN, E., ISLIP, H. T., and MATTHEWS, W. S. A. Patchouli oil from Tanganyika. *Colon. Plant & Anim. Prod.* 1:312-315. 1950. 472 C71

87916 BURNETT, R. S. Soybean protein food products. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p.949-1002. Ref. New York, Interscience, 1951. 60.3 M34

87917 BURNETT, R. S. Soybean protein industrial products. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p.1003-1053. Ref. New York, Interscience, 1951. 60.3 M34

87918 CALDERON, J. M. Course for the future. *Olive Oil Ybk.* 1951:30-33. 307.9 OL4

87919 CAMPBELL, G. K. G. The estimation of efficiency of extraction of palm oil from the fruit of *Elaeis guineensis* Jacq. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(2):11-13. 1951. 515 C762C

87920 CORY, A. N. Looking at the record. *Olive Oil Ybk.* 1951:15-18. 307.9 OL4

Olive oil industry in the past ten years.

87921 COSENTINO, S. Olive oil, national wealth to protect. (In Italian.) *Cam. di Com. Indus. e Agr. Bari.* B. (n.s.) 35(7):5-7. July 1951. 287 B232

87922 FAURE, J. C. A. Supplies of oils and fats. *Gt Brit. Min. Food. B.* 612:5-12. Aug. 18, 1951. 389.9 G79B

87923 FERREIRA FILHO, O. J. Preservation of olives. (In Portuguese.) *Seleç. Agr.* 6(63):69-70. July 1951. 9.2 Se4

87924 GRAÇA, C. Aspects of olive culture in Portugal and Spain. (In Portuguese.) *Granja [Lisboa]* 10:91-110. Apr./June 1951. 15.5 G76

The industry.

87925 GUILLEM, R. The mayor and the peanut. *Agr. & Indus. Life* 13(7):12,33. July 1951. 25 Ag8

Peanut promotion in the Philippines.

87926 HOSONO, S. An economic aspect on soybean growing in the United States. (In Japanese.) *Nogyo Sogo Kenkyu* 5:44-139. Jan. 1951. 22.5 N687

English summary, p. 3-8.

87927 INDIA. MINISTRY OF AGRICULTURE. DIRECTORATE OF MARKETING AND INSPECTION. Brochure on the marketing of groundnuts in India. India. Off. Agr. Mktg. Adv. Brochure Ser. 6, 41 p. Jun. 1950. 280.39 In2B

87928 KAPUR, S. L., and SARIN, K. K. Wrinkle finishes from tobacco seed oil modified alkyds. *J. Sci. & Indus. Res.* 10B:168-170. July 1951. 475 J82

87929 KELLER, J. C. 1951 peanut crop estimate 9 percent smaller than 1950. *Peanut J. & Nut World* 30(11):23,47. Sept. 1951. 77.8 P313

87930 LANGHURST, L. F. Solvent extraction processes. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p.541-590. Ref. New York, Interscience, 1951. 60.3 M34

87931 LANGLAIS, P. Normalisation des nombreuses méthodes actuelles d'analyse des huiles essentielles et fixation officielle de leurs constantes. *Indus. de la Parfumerie* 6:211-214. June 1951. 308.8 In2

English summary.

87932 LAUTIER FILS. Que penser des prix actuels de nos matières premières? *Indus. de la Parfumerie* 6:217-218. June 1951. 308.8 In2

English summary.

Essential oils.

- 87933 LEHMAN, R. W., and EMBREE, N. D. Soybean oil by-products. In Markley, K. S., ed. Soybeans and soybean products, v. 2, p.833-852. Ref. New York, Interscience, 1951. 60.3 M34
- 87934 LEY, P. H. VAN DER. Konservierungsmittel für öle und fette. Seifen-Öle-Fette-Wachse 77:355-356. July 18, 1951. 307.8 Se4
- 87935 MACKALL, L. If I were an olive oil salesman. Olive Oil Ybk. 1951:23-25. 307.9 OL4
- 87936 MARKLEY, K. S., ed. Soybeans and soybean products, v. 2. New York, Interscience, 1951. p.541-1145. Ref. 60.3 M34
- 87937 MAUREL, A. and BASSIERE, M. Contribution à l'étude de l'essence de neroli méthode en vue de la recherche des falsifications. II. Méthode spectrophotographique. Ann. des Falsif. et des Fraudes 44(505/507):22-28. Jan./Mar. 1951. 389.8 An72
- 87938 MELLOH, A. W. Cottonseed processing research at the Texas Engineering Experiment Station. Oil Mill Gaz. 56(2):13-15, 17-20. Ref. Aug. 1951. 307.8 O153
- 87939 MHASKAR, V. V., BHIDE, B. V., and PHALNIKAR, N. L. Fatty oils from the seeds of *Caesalpinia sepiaria*. Bombay. U. J. Sect. A, Phys. Sci. (n.s.) 19:18-20. Mar. 1951. 513 B633
- 87940 MOITREL, P. L'huilerie de palme. Rev. Internat. des Prod. Colon. 26:64-68. Mar. 1951. 286.8 R326
- 87941 MOLINA, J. S. Mendoza produce aceitunas verdes, "tipo español." Campo [Sevilla] 10(109):21-22. Apr. 1951. 15 C15
- Processing.
- 87942 NAVES, Y. R. Production of essential oils by distillation. Internat. Chem. Engin. 32:327-328. July 1951. 382 In8
- 87943 OLIVE OIL ASSOCIATION OF AMERICA. 1951 olive oil year book. New York? 1951. 128 p. 307.9 OL4
- 87944 PALLADINO, G. Le marché oléicole italien: sa situation actuelle et ses perspectives d'avenir. Feuilles d'Inform. Oléicoles Internat. 11:94-100. May/June 1951. 80 F43
- English summary.
- 87945 PATNAIK, P. K. Oilseeds in India. Oils & Oilseeds J. 4:8-9. July 1951. 307.8 O154
- 87946 PAULA, R. D. DE G. The peanut. (In Portuguese.) Rev. Bras. de Quím. (Cien. & Indus.) 31:175-178. (Cont.) Apr. 1951. 385 R322
- History, production statistics, and analysis.
- 87947 PENFOLD, A. R., and MORRISON, F. R. The essential oil of *Baekea crenulata* (de Candolle). Roy. Soc. N. S. Wales. J. & Proc. 84:87-91. Ref. 1950, pub. 1951. 514 Sy24
- 87948 PENNY, N. M. Peanut marketing problems. (Abs.) Assoc. South. Agr. Workers. Proc. 48:132-133. 1951. 4 C82
- 87949 PINEDA, F. A. The soya bean—its utilization and industrialization. Plowman 7:103-105. (Cont.) May/June 1951. 276.8 P72
- 87950 PUNTAMBEKAR, S. V., and RAO, P. R. Colouration of hydrogenated fats [Vanaspatti] with chlorophyll to prevent adulteration of ghee. Indian Forester 77:464-467. July 1951. 99.8 In2
- 87951 RAMASWAMI, G. V. Refining of vegetable oils—applications of the centrifuge for oil recovery. J. Sci. & Indus. Res. 10A:292-293. July 1951. 475 J82
- 87952 ROSE, P. Étude sur un mode de traitement des graines de ricin en vue de l'extraction de l'huile. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(2):97-99. 1951. 515 C762C
- 87953 ROUSSEAU, M. P. Experiments on the determination of the oil in olives by means of refractometry. (In Italian.) Olivicoltura 6(5):7-11. May 1951. 80 OL42
- 87954 ROUSSEAU, P. M., and ALLEMAND, P. Le stockage des olives par ventilation. Feuille d'Inform. Oléicoles 21:683-693. First Q. 1951. 80 F432
- 87955 SAGRERA BERTRAN, M. Elaboración de aceites de oliva. Campo [Sevilla] 10(107):22-23. Feb. 1951. 15 C15
- 87956 SALA CATALÁ, F., and BARBAT MIRACLE, R. Revalorización del orujo extractado. Ion 11:327-330. June 1951. 385 Io6
- 87957 SCHROEDER, A. Olive oils, their origin and characteristics. Olive Oil Ybk. 1951:48-56. 307.9 OL4
- 87958 SCHWITZER, M. K. Oils and fats: extraction, refining, hydrogenation, fat splitting, soap making. Internat. Chem. Engin. 32:227-229. Ref. May 1951. 382 In8
- 87959 SFIRAS, J. Contribution à la connaissance de la menthe Poullot. Indus. de la Parfumerie 6:206-207. June 1951. 308.8 In2
- English summary.
- The oil.
- 87960 SHAW, C. S., and FRANKS, G. N. Research on the drying and cleaning of cottonseed at the gins. Cotton Gin & Oil Mill Press 52(19):20-21. Sept. 15, 1951. 304.8 C822
- 87961 SMITH, J. M., and VAN DUYNE, F. O. Other soybean products. In Markley, K. S., ed. Soybeans and soybean products, v. 2, p.1055-1078. Ref. New York, Interscience, 1951. 60.3 M34
- 87962 SORM, F., and others. On terpenes. XXIII. On the composition of oil of carrot (*Daucus carota* L.). Collect. Czechoslovak Chem. Commun. 16:47-56. Ref. 1951. 385 C68
- M. Zaoral, J. Arlent, J. Pilva, and V. Herout, joint authors.
- 87963 SOZZI, E. L. As we would like it. Olive Oil Ybk. 1951:19-21. 307.9 OL4
- Olive oil industry.
- 87964 STANLEY, J. Production and utilization of lecithin. In Markley, K. S., ed. Soybeans and soybean products, v. 2, p.593-647. Ref. New York, Interscience, 1951. 60.3 M34
- 87965 SUGIYAMA, K. Oils and fats industry. Oriental Econ. 18:457-459. June 9, 1951. 280.8 Or4
- Japan.
- 87966 SUMMERS, H. J. Queensland's linseed industry makes progress. Com. Austral. 5(6):32-33. Apr. 1951. 286.8 Ex75
- 87967 TORRIGLIA, C. The olive oil industry. (In Italian.) Riv. di Econ. Agr. 6:263-273. 1951. 281.8 R52
- English summary.
- Italy.
- 87968 U. S. BUR. OF AGRICULTURAL ECONOMICS. Soybeans harvested for beans; acreage, yield, and production, 1949 and 1950, by counties for 18 principal States. Washington, 1951. 35 p. 1.941 H8So9
- 87969 U. S. BUR. OF AGRICULTURAL ECONOMICS. Statistics on commercial peanuts, by seasons, 1938-39 to 1949-50; by months, 1945-46 to 1949-50, by J. A. Hicks and C. Z. Willis. Washington, 1951. 25 p. 1.941 H2P317
- 87970 U. S. PRODUCTION AND MARKETING ADMIN. Compilation of provisions of the Agricultural Act of 1949 and the Agricultural Adjustment Act of 1938, as amended, relating to peanuts. Washington? 1951. 24 p. 1.956 F26C73
- 87971 U. S. PRODUCTION AND MARKETING ADMIN. Distribution of marketing and processing costs of cottonseed-oil mills, 1948-49 compared with 1947-48, by C. C. Spilsbury. Washington, 1951. 48 p. 1.956 F26D63
- 87972 VARSBERGS, J. Culture of oil and grain crops in Sweden during the last ten years and a survey of the quality of the seed. (In Swedish.) Sweden. Stat. Cent. Frökantast. Meddel. 26:44-51. 1951. 61.9 Sw3
- 87973 VELARDE FUERTES, J. Mercado mundial de grasas. Siembra [Madrid] 7(5):31-33. May 1951. 15 S11
- 87974 VIDYARTHI, N. L. Drying properties of niger seed & safflower oils. J. Sci. & Indus. Res. 10B:170-171. July 1951. 475 J82
- 87975 VIDYARTHI, S. D. Important methods of solvent extraction. Oils & Oilseeds J. 4:10-14. July 1951. 307.8 O154
- 87976 WARD, D. J. Public relations and price control. Olive Oil Ybk. 1951:57-58. 307.9 OL4
- In relation to the olive oil industry.
- 87977 WELLBORN, W. A., and others. Pilot-plant steam refining of high fatty acid rice bran oil. Rice J. 54(8):6-8. Aug. 1951. 59.8 R36
- J. S. Parker, L. J. Molaison, and E. L. D'Aquin, joint authors.

POULTRY AND POULTRY PRODUCTS

- 87978 ABBOTT, J. C., and VOORHIES, E. C. Petaluma live poultry auction. Coop. Poultryman 16(9):8-9. Sept. 1951. 47.8 C782
- 87979 ALBERTI. Holländische reiseeindrücke. Deut. Wirtgeflügelzucht. 3:539-541. (Cont.) Aug. 11, 1951. 47.8 D483
- Poultry industry in the Netherlands.
- 87980 BARRY, S. C. The place of Ontario and British Columbia in the Canadian poultry industry. Amer. Egg & Poultry Rev. 12(8):66-67. Aug. 1951. 47.8 Am38
- 87981 BRANT, A. W. A new height gate for measuring egg quality. Food Technol. 5:384. Sept. 1951. 389.8 F7398

- 87982 BRANT, A. W., OTTE, A. W., and NORRIS, K. H. Recommended standards for scoring and measuring opened egg quality. Food Technol. 5:356-361. Ref. Sept. 1951. 389.8 F7398
- 87983 BUUS, S. Importance of meat type poultry for production and export. (In Danish.) Andelsbladet 52:445. Apr. 19, 1951. 280.28 An2
Denmark.
- 87984 BUUS, S. Investigations concerning production of broilers. (In Danish.) Andelsbladet 52:479-480. Apr. 26, 1951. 280.28 An2
Denmark.
- 87985 CARTER, E. L. Egg care. San Diego Poultry J. 27(552):6. Aug. 1951. 47.8 Sa52
- 87986 CHISHOLM, H. T. Eggs and poultry products: wholesale marketing in Ontario. Amer. Egg & Poultry Rev. 12(8):34-37. Aug. 1951. 47.8 Am38
- 87987 CHRISTENSEN, R. P., and MICHELL, R. L. Interregional competition in the production of chickens and eggs. U. S. D. A. Tech. B. 1031, 71 p. Ref. July 1951. 1 Ag84Te
- 87988 DUDDA, E. Das Khlhausel in der vorratswirtschaft. Eier-, Wild-, Geflügel- u. Honig-Markt 3(70):4. July 26, 1951. 280.38 E13
- 87989 EGGLETON, L. Suggested steps for quality egg production. Dairy & Poultry News 6(3):3. Summer 1951. 49.9 Sw5
Chiefly care and handling of eggs.
- 87990 ESSARY, E. O., and GOFF, O. E. Poultry specialties. (Abs.) Assoc. South. Agr. Workers. Proc. 48:154-155. 1951. 4 C82
Poultry quality and utilization.
- 87991 EVANS, B. Shipping pigeons by airplane. Pigeon News 57(964):8. Aug. 1951. 47.8 P621
- 87992 FLATNITZER, I. Warum nicht höhere einnahmen aus der ländlichen hauswirtschaft? Kärntner Bauer 101:422-423. July 21, 1951. 19 K14
Poultry industry.
- 87993 FOSTER, G. R. Poultry & egg production in western Ontario. Amer. Egg & Poultry Rev. 12(8):24. Aug. 1951. 47.8 Am38
- 87994 FRAENKEL-CONRAT, H., and DUCAY, E. D. The nucleic acid of egg white. (Abs.) Biochem. J. 49: xxxix. Aug. 1951. 382 B52
- 87995 GARLICH, O. Die deutsche eierkennzeichnung. Deut. Wirtgeflügelzucht. 3:524-528. Aug. 4, 1951. 47.8 D483
English summary.
- 87996 GERICHKE, A. M. M. The production and marketing of eggs. Union So. Africa. Dept. Agr. B. 307, 36 p. 1950. 24 So84P
- 87997 GORDEUK, A. Retailer training boosts chicken consumption. Broiler Growing 2(10):15, 38-42. Oct. 1951. 47.8 B782
- 87998 HANNAS, R. R. Broilers reign supreme. Amer. Poultry J. 82(9):9, 16-17. Sept. 1951. 47.8 Am32
Chicken-of-Tomorrow.
- 87999 HILGER, R. Wie gewinnt man einwandfreie bettfedern? Geflügelhof 14:443-444. July 6, 1951. 47.8 G276
Goose feathers.
- 88000 HUNTER, H. M. Canadian egg grading and shipping. Amer. Egg & Poultry Rev. 12(8):19, 20, 23. Aug. 1951. 47.8 Am38
- 88001 JACKSON, H. Marketing practices of Arkansas egg producers. Ark. Agr. Expt. Sta. B. 506, 29 p. Mar. 1951. 100 Ar42
- 88002 JAMES, R. S. Answers to high egg production costs; economies and greater efficiency give better yields in off-season; stale eggs kill demand. Farmer's Wk. [Bloemfontein] 81:10-11. Aug. 8, 1951. 24 F225
South Africa.
- 88003 JENNINGS, J. There are 19 ways of losing 1¢! That is the amount deducted for every second quality egg. Can you afford it? Mod. Poultry Keeping 65:150. Aug. 8, 1951. 47.8 Eg3
Great Britain.
- 88004 KÄSTNER, F. Deutschlands hühnerhaltung und elerversorgung. Eier-, Wild-, Geflügel- u. Honig-Markt 3(70):1-2. July 26, 1951. 280.38 E13
- 88005 KLEIN, G. T. Build your markets solidly. Amer. Poultry J. 82(9):8, 36-37. Sept. 1951. 47.8 Am32
- 88006 LANDON, G. L. Poultry in British Columbia. Amer. Egg & Poultry Rev. 12(8):14, 73. Aug. 1951. 47.8 Am38
- 88007 LAW, J. M. The southern regional poultry and poultry products marketing study. (Abs.) Assoc. South. Agr. Workers. Proc. 48:124-125. 1951. 4 C82
- 88008 LLOYD-THOMAS, W. Why wait until Christmas to sell geese? Mod. Poultry Keeping 65:177. Aug. 15, 1951. 47.8 Eg3
- 88009 MACHT, Die entwicklung der eierpreise. Deut. Wirtgeflügelzucht. 3:355. Apr. 28, 1951. 47.8 D483
- 88010 MCLAUGHLIN, C. H. Experiences in Ontario on the retail merchandising of eggs. Amer. Egg & Poultry Rev. 12(8):40-41. Aug. 1951. 47.8 Am38
- 88011 MERO, W. Ontario Turkey Association; financial program for activities and publicity meeting with good success as industry expands. Amer. Egg & Poultry Rev. 12(8):28, 30. Aug. 1951. 47.8 Am38
- 88012 MILLER, M. W. Egg quality program for Washington co-op members. Washcoegg 29(3):8. Aug. 1951. 47.8 W27
- 88013 MURCHIE, W. T. Poultry Products Institute (of Canada) Inc. Amer. Egg & Poultry Rev. 12(8):42-43, 47. Aug. 1951. 47.8 Am38
- 88014 NEAL, H. M. Frozen stuffed chicken ready for the oven. Everybodys Poultry Mag. 56(8):12, 27-29. Sept. 1951. 47.8 F213P
- 88015 NEW YORK STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Killing, plucking & cooling poultry, by R. C. Baker and G. O. Hall. Ithaca, n.d. 8 p.-folder. 275.29 N48P
- 88016 NEWELL, G. W. An industry-wide egg marketing program. (Abs.) Assoc. South. Agr. Workers. Proc. 48:153. 1951. 4 C82
- 88017 PANEL discussion: poultry department organizational problems. (Abs.) Assoc. South. Agr. Workers. Proc. 48:156-157. 1951. 4 C82
O. E. Goff, moderator.
- 88018 PEARL, E. C. How we figure our egg carton-ing costs. (Condensed.) U. S. Egg & Poultry Mag. 57(9): 13-14, 20. Sept. 1951. 286.85 Eg3
- 88019 PENNINGTON, D. C. Marketing of eggs and poultry. Amer. Egg & Poultry Rev. 12(8):26, 28. Aug. 1951. 47.8 Am38
- 88020 RASKOPF, B. D. Egg marketing in the Southern and Southwestern States. (Abs.) Assoc. South. Agr. Workers. Proc. 48:125-126. 1951. 4 C82
- 88021 RATCLIFFE, H. E. Some effects of marketing eggs in Ohio according to official grades. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 153, 22 p. June 1951. 166.3 M68
- 88022 RAY, E. W. Dressed poultry must be tagged in Colorado now. U. S. Egg & Poultry Mag. 57(9):17-18. Sept. 1951. 286.85 Eg3
- 88023 RODWAY, S. L. Inspection of eggs and poultry. Amer. Egg & Poultry Rev. 12(8):38. Aug. 1951. 47.8 Am38
- 88024 ROSENSTINGEL, F. Futterpreise—importe—pullorumuntersuchung. Österr. Kleintierzüchter 9/10:948. (Concl.) May 1951. 49 Os7
- 88025 SALTON, M. R. J., SCOTT, W. J., and VICKERY, J. R. Studies in the preservation of shell eggs. VI. The effect of pasteurization on bacterial rotting. Austral. J. Appl. Sci. 2:205-222. Ref. Mar. 1951. 475 Au74
- 88026 SCANLAN, J. J. Las cooperativas avícolas empezaron sin nada. Rev. del Café 7:12-13. July 1951. 8 R3295
- 88027 SCHALKERS, K. H. The future of the poultry industry in the Netherlands. III. (In Dutch.) Pels en Plum 6:3. July 27, 1951. 47.8 P36
- 88028 SCHNEIDER, M. D. Investigation of Salmonella content of powdered whole egg with not more than two percent moisture content. IV. Bactericidal action of the preheater on Salmonella in liquid whole egg. Food Technol. 5:349-352. Ref. Sept. 1951. 389.8 F7398
- 88029 SNYDER, E. S. Consumption is conditioned by need, desire and price. Canad. Poultry Rev. 75(9): 10-12. Sept. 1951. 47.8 C16
- 88030 SOUTHERN CALIFORNIA TURKEY GROWERS' ASSOCIATION. Annual report 1950. Riverside, 1951. unpag. 281.3478 So8
- 88031 STARKEY, W. N., HESTER, O. C., and HERRMANN, L. F. Sales of eggs by farmers in the North Central region. U. S. D. A. Agr. Inform. B. 46, 42 p. June 1951. 1 Ag84Ab
- 88032 TEMPERTON, H. Reply to battery egg prejudice. (Sum.) Mod. Poultry Keeping 65:175. Aug. 15, 1951. 47.8 Eg3
Egg quality.
- 88033 THOMPSON, R. B. Report of the poultry industry of the Southern States. (Abs.) Assoc. South. Agr. Workers. Proc. 48:157-158. 1951. 4 C82

- 88034 U. S. BUR. OF AGRICULTURAL ECONOMICS. Chickens raised on farms in 1951. Preliminary estimates. Washington, 1951. 2 p. 1.941 H8C434
- 88035 U. S. BUR. OF AGRICULTURAL ECONOMICS. Missouri turkey crop report, 1951. Columbia, 1951. 1 p. 1.941 H8T84
- 88036 U. S. BUR. OF AGRICULTURAL ECONOMICS. Turkey report. Richmond, 1951. 2 p. 1.941 H8T842
- Virginia Department of Agriculture, Division of Agricultural Statistics cooperating.
- Statistics.
- 88037 U. S. PRODUCTION AND MARKETING ADMIN. Recommended specifications for standard packs, containers, and packaging materials for poultry and poultry products. U. S. D. A. Agr. Handb. 25,89 p. July 1951. 1 Ag84Ah
- 88038 U. S. PRODUCTION AND MARKETING ADMIN. Sale of dried whole eggs, edible, for manufacturing purposes only. Washington, 1951. 3 p. 1.956 P86Sa3
- 88039 VONDELL, J. H. What makes a good egg room? Poultry Tribune 57(9):40-41. Sept. 1951. 47.8 P8642
- 88040 WAKELIN, J. W. The Poultry and Dairy Products Branch of the Toronto Board of Trade—its set-up and activities. Amer. Egg & Poultry Rev. 12(8):32-33,39. Aug. 1951. 47.8 Am38
- 88041 WHO'S who in the egg and poultry industries, 1951. New York, 1951. 442 p. 225 W622
- 88042 WIJK, P. J. A study trip to America. (In Dutch.) Pluimveeteelt 4(16):5-6. Aug. 3, 1951. 47.8 P722
- Observations on the poultry industry.
- 88043 WILSON, W. O. Chick shipping boxes. San Diego Poultry J. 27(552):9,13. Aug. 1951. 47.8 Sa52

RUBBER AND RUBBER SUBSTITUTES

- 88044 BALLY, W. The discovery of mastication and vulcanization. Ciba Rev. 87:3140-3144. Aug. 1951. 306.8 C48
- 88045 BALLY, W. The discovery of rubber. Ciba Rev. 87:3136-3139. Aug. 1951. 306.8 C48
- 88046 BALLY, W. The history of rubber production. Ciba Rev. 87:3146-3152. Aug. 1951. 306.8 C48
- 88047 BALLY, W. Synthetic rubber. Ciba Rev. 87:3154-3156. Aug. 1951. 306.8 C48
- 88048 BLOOMFIELD, G. F. The rubber hydrocarbon in freshly tapped hevea latex. (Abs.) Rubber Age 69:581. Aug. 1951. 305.8 R82
- 88049 COLSTON, R. Another look at the rubbers. Mag. Wall St. 88:616-617,634,636. Sept. 8, 1951. 286.8 M27
- 88050 DOGADKIN, B. A., and REZNIKOVSKIY, M. M. Relaxation processes during the deformation of pure rubber and effect of degree of vulcanization. (In Russian.) Kolloid. Zhur. 13:11-19. Ref. Jan./Feb. 1951. 385 K83
- 88051 FAZAKERLEY, T. W. The British rubber industry; management problems of the future. India-Rubber J. 121(8):23-24. Aug. 25, 1951. 305.8 In21
- 88052 INSTITUT FRANÇAIS DU CAOUTCHOUC, PARIS. 2^e réunion du Conseil Supérieur en Indochine. Saigon, 1950. 78.9 In72
- Institut des Recherches sur le Caoutchouc en Indochine, cooperating.
- 88053 KIDDER, G. A. Properties of natural rubber latex from clonal and seedling trees of Hevea brasiliensis. II. India Rubber World 124:699-701. Sept. 1951. 305.8 In2
- 88054 MANN, C. E. T. Improving the quality of natural rubber. Rubber India 3(6):23-25. June 1951. 305.8 R829
- The Industry in Malaya.
- 88055 NEWTON, R. G. Further notes on the literature of technically classified rubber. India-Rubber J. 121:263-264. Aug. 18, 1951. 305.8 In21
- 88056 PATERSON, P. D. Recent changes in the world rubber picture. India-Rubber J. 121(3):4-8. July 21, 1951. 305.8 In21
- 88057 PILLAI, A. K. M. Cryptostegia grandiflora. Rubber India 3(6):7-9,12. (Cont.) June 1951. 305.8 R829
- Processing.
- 88058 ROSTLER, F. S. The co-coagulation of rubbers and extenders. Rubber Age 69:559-578. Ref. Aug. 1951. 305.8 R82
- 88059 SODEN, A. L., and WAKE, W. C. Deterioration of rubber under the influence of light and dry and moist heat. Inst. Rubber Indus. Trans. 27:223-231. Aug. 1951. 305.9 In7
- 88060 SUTTON, S. D. Vulcanised latex. Inst. Rubber Indus. Trans. 27:193-208. Aug. 1951. 305.9 In7
- Includes discussion.
- 88061 VETTERLI, W. A. Rubber in the textile industry. Ciba Rev. 87:3157-3159. Aug. 1951. 306.8 C48

SWEDS

- 88062 ÅKERBERG, E. How is the quality of our grass seeds? (In Swedish.) Tidskr. f. Hushållsk. och Skogsvårdsstyr. i Gävleborgs Län 26:26-28. 1950. 11 T434
- 88063 ANDERSEN, J. C. Settling of seed accounts. (In Danish.) Tidsskr. f. Frøavl. 20:233-237. July 10, 1951. 61.8 T43
- Chiefly prices in Denmark.
- 88064 DENMARK. STATSFØRØKONTROLLEN. Report from the Danish State Seed Testing Station for the 78th working year from the 1st July 1949-30th June 1950. (In Danish.) Tidsskr. f. Planteavl 54:185-248. 1951. 11 T439
- English summary.
- 88065 DOBY, D. S. Commercial seed cleaning, processing and handling. (Abs.) Assoc. South. Agr. Workers. Proc. 48:39-40. 1951. 4 C82
- 88066 DUNKELBERG, G. H. The design and operation of a seed drying, cleaning and grading plant. (Abs.) Assoc. South. Agr. Workers. Proc. 48:32. 1951. 4 C82
- 88067 HELM, C. A. New seed law needed in Missouri Grain & Feed J. Consolidated 107(4):17. Aug. 22, 1951. 298.8 G762
- 88068 INTERNATIONAL CROP IMPROVEMENT ASSOCIATION. Minimum seed certification standards, December 1950. Internatl. Crop Impr. Assoc. P. 17, 71 p. Dec. 1950. 61.9 In8P
- 88069 KREYGER, J. Droogproeven met zaalzaad, onder vacuum en met verwarmde lucht [Drying tests with seeds, under vacuum and with warm air]. Cent. Organ. T.N.O. Alg. Tech. Afd. Rap. T. A. 265,41 p. Feb. 1951. 330.9 C33
- 88070 MAZZONI, R. Seed production and markets. (In Italian.) Riv. di Econ. Agr. 6:252-261. 1951. 281.8 R52
- English summary.
- Italy.
- 88071 MEULEN, E. V. Are your seeds stored safely? Ill. Agr. Assoc. Rec. 29(8):14,29. Aug. 1951. 6 IL62
- 88072 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Growers' prices for seed of Aberystwyth "S" strains of grasses, 1951. Natl. Inst. Agr. Bot. Seed Notes 39,4 p. Aug. 1951. 61.9 N21S
- 88073 NORTH CAROLINA. DEPT. OF AGRICULTURE. Report for 1948-49, 1949-50, 1950-51. N. C. Dept. Agr. B. 123,35 p. June 1951. 2 N81B
- Inspection and analyses.
- 88074 NORWAY. STATENS FRØKONTROLL, ÅS. Melding fra statens frøkontroll i Ås [Report from the Norwegian State Seed Testing Station for the fiscal year 1st July 1949-30th June 1950]. Halden, 1951. 42 p. 61.4 N832
- English summary.
- 88075 OLTHOFF, B. H. Contracts and general terms in seed growing. (In Dutch.) Nederlands. Landbouwlichtingsdienst. Maandbl. 8:242-245. June 1951. 12 N383M
- 88076 OXLEY, T. A. The storage and drying of cereal seeds. Natl. Inst. Agr. Bot. J. 5:465-482. 1950. 103 N21J
- 88077 PATTISON, E. New Zealand's modern seed laboratory. Seed World 69(5):14. Sept. 7, 1951. 61.8 Se52
- 88078 PETERSEN, H. J. Threshing of clover seeds. (In Danish.) Tidsskr. f. Frøavl. 20:254-258. Aug. 1951. 61.8 T43
- 88079 ROBERTSON, D. W. National seed storage. Natl. Oat Newslet. 1:4. Feb. 1, 1951. 59.9 N217
- 88080 SWEDEN. STATENS CENTRALA FRØKONTROLLANSTALT. Report on the activities of the Swedish State Seed Testing Station during the fiscal year 1949-1950. (In Swedish.) Sweden. Stat. Cent. Frøkontanst. Meddel. 26:3-43. 1951. 61.9 Sw3
- English summary.
- 88081 SYVERSON, M. R. Seed cleaning plants are serving a need. Minn. Seed Grower 24(3):3. June 1951. 61.8 M66
- 88082 TÄRNVIK, N. Buy only high quality forage plant seeds. (In Swedish.) Västerbotten 1:27. Feb. 1950. 11 V442
- Clover.

- 88083 U. S. BUR. OF AGRICULTURAL ECONOMICS. Stocks of vegetable seeds on June 30, 1950, 1951, and 1945-49 average. Washington, 1951. 7 p. 1.941 S8V522
- 88084 U. S. PRODUCTION AND MARKETING ADMIN. There is winter cover crop seed. U. S. D. A. PA-177, 4 p.-folder. July 1951. 1 Ag84Pro
- 88085 WARD, H. S. Effect of relative humidities during storage on available and reserve foods of blue lupine seeds. (Abstr.) Assoc. South. Agr. Workers. Proc. 48:133. 1951. 4 C62

SUGAR AND SIRUPS

- 88086 AMORES YEPEZ, H. Cooperativa de producción agrícola Industrial "Victoria R. L." Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(66):44-46. Apr./June 1951. 9.5 M31
- Sugarcane and coffee.
- 88087 BERNARD, A. Une visite aux sucreries de l'île Maurice. Indus. Agr. et Aliment. 68:355-359. July/Aug. 1951. 383 As7
- English summary.
- 88088 BLANC, J. Appareil pour le chaulage constant des jus de sucrerie. Indus. Agr. et Aliment. 68:383-384. July/Aug. 1951. 383 As7
- English summary.
- 88089 CLARK, P. C. T. Invert sugar—its characters, transport and storage. Inst. Brewing. J. 57:261-263. July/Aug. 1951. 390.9 In7
- 88090 COPPENS, R. Méthode Sachs-le Docte, digestion à froid pour la dosage du sucre dans les betteraves sucrières. Rev. de l'Agr. 4:878-882. July 1951. 13 R322
- 88091 DOHERTY, W. H. Congress votes Sugar Act extension. Sugar 46(9):29,34. Sept. 1951. 65.8 F11
- 88092 FAUSEL, W. Die 20-pfennig-aktion der zuckerrübenbauer; übersicht über bisheriges ergebnis und weitere zielsetzung. Württemb. Wchnbl. f. Landwirt. 118:683-684. Aug. 25, 1951. 18 W96
- Construction of sugar beet factories.
- 88093 GT. BRIT. MINISTRY OF FOOD. Sugar back-ground. Bottler & Packer 25(6):53-57. Aug. 1951. 390.8 B65
- Manufacture of cane and beet sugar.
- 88094 HALAIS, P. Aperçu des communications d'intérêt agricole présentées au septième Congrès de l'Association Internationale des Techniciens de la Canne à Sucre. Rev. Agr. de l'île Maurice 30:53-83. Ref. Mar./Apr. 1951. 24 M44
- 88095 HONIG, P. Fluctuations in pH readings in the liming of mill juices. Sugar 46(9):30-34. Sept. 1951. 65.8 F11
- 88096 JONES, P. E., and THOMASON, F. G. Competitive relationships between sugar and corn sweeteners. U. S. D. A. Agr. Inform. B. 48:245 p. Ref. June 1951. 1 Ag84Ab
- Glucose and corn sirup.
- 88097 KRAVTCHENKO, S. F., and BONDARENKO, V. A. Pompes pour le relevage des betteraves. Indus. Agr. et Aliment. 68:376-382. July/Aug. 1951. 383 As7
- English summary.
- 88098 KÜHNEMUND, W. Wieder rübenelzugsgebiete. Hannoversche Land- u. Forstwirt. Ztg. 104:358, 360. Apr. 21, 1951. 18 H194
- Compulsory deliveries.
- 88099 LEMOIGNE, L'industrie betteravière et les industries de fermentations. Acad. d'Agr. de France. Compt. Rend. 37:364-370. June 6/13, 1951. 14 P215Ec
- Includes discussion.
- 88100 MCCLOUD, E. S. Sugar cane waxes. Chem. Specialties Mfr. Assoc. Off. Proc. 36:162-166. June 1950. 307.9 C42
- 88101 MARTHAIRE, M. Essais sur le dosage des acides organiques dans les vins de betteraves. Indus. Agr. et Aliment. 68:361-371. July/Aug. 1951. 383 As7
- English summary.
- Refers to beet juices.
- 88102 MONTERO Y MONTERO, I. Cambio de rumbo en la estrategia azucarera. Siembra [Madrid] 7(6):21-22. June 1951. 15 S11
- 88103 QUINN, O. B., and GILÉ, B. M. Cooperative sugar mills in Louisiana. La. Rur. Econ. 13(3):2-4. Aug. 1951. 281.8 L93
- 88104 SAUNIER, R., and DEVILLERS, P. Influence prépondérante de la teneur en eau sur la viscosité des sirops, mélasse, et vinasses. Sucre. Franç. 92:162-164. July 1951. 65.8 J82

- 88105 SILVA, R., J. M. Proceso de la elaboración de azúcar en horma. Agr. Trop. 7(6):47-50. June 1951. 26 Ag8
- 88106 THE S. A. sugar year book, 1949-50 (twentieth year of publication); a reference book and guide to the sugar industry of South Africa. Durban, 1950. 286 p. 65.8 So83
- 88107 VALLY, G. Le sucre, problème numéro 1 de la Réunion et des Antilles. Marchés Colon. 7:1423-1424 May 19, 1951. 286.8 M33
- 88108 VENTON, C. B. Report on investigations into the treatment of final massecuite. Queensland. Bur. Sugar Expt. Sta. Tech. Commun. 1,51 p. Ref. 1951. 65.9 Q3T
- 88109 WESTHUIZEN, G. C. A. VAN DER, SPRUIT, C. J. P., and SEPHTON, H. H. Itaconic acid. I. Production by *Aspergillus terreus* from unrefined cane sugar. J. Appl. Chem. 1:356-360. Aug. 1951. 382 J82
- 88110 ZABLINSKY, Der einfluss des bei der klärung von rohrzuckermelassen entstehenden niederschläges auf das ergebnis der zuckerbestimmung. Korrespondenzf. Zuckerfabriken, Apr. 20, 1951:1-4,9-12. (Concl.) 65.8 K84

TOBACCO

- 88111 ALCARAZ MIRA, E. La fermentación del tabaco. Agricultura [Madrid] 20:341-346. July 1951. 15 Ag84
- 88112 BACON, C. W., WENGER, R., and BULLOCK, J. F. Biochemical changes in tobacco during flue curing. U. S. D. A. Tech. B. 1032,37 p. Ref. Aug. 1951. 1 Ag84Te
- 88113 BRUMBT, D. Vom nationalkongress der französischen tabakpflanzer in Lille. Bas-Rhin Agr. 6:171. Apr. 14, 1951. 14 B29
- 88114 MAYHEW, R. L. Dark-fired price drop causes crisis in Nyasaland. Rhodesian Tobacco J. 3(6):81-83,85-87,89-91,93-96. June 1951. 69.8 R34
- 88115 MIDDELBURG, H. A. Phenolic compounds in tobacco. (In Dutch.) Landbk. Tijdschr. 63:392-397. Ref. June 1951. 105.2 Or3
- English summary.
- 88116 NORTH CAROLINA. DEPT. OF AGRICULTURE North Carolina tobacco report, 1950-1951. N. C. Dept. Agr. B. 122,31 p. Apr. 1951. 2 N81B
- Have also report for 1949-1950, bulletin 119, Apr. 1950, 30 p.
- 88117 QUACKENBUSH, A. Curing revolution in Tobacco Valley; the use of liquid petroleum or propane gas displacing charcoal in the curing process and at greatly reduced costs. New Eng. Homestead 124(17):39, 41. Sept. 8, 1951. 6 N442
- 88118 RANKIN, R. C. Bright leaf tobacco, 1951 edition. Wilmington, N. C., 1951. 40 p. 286.3699 B76
- Statistics.
- 88119 RENWICK, R. F. Record tobacco crop for India is forecast for this year. Foreign Trade 10:258-259. Aug. 25, 1951. 286.8 C162
- 88120 ROBERTS, H. W. The development of the Southern Rhodesian tobacco industry. So. African J. Econ. 19:177-188. June 1951. 280.8 So83
- 88121 UNION OF SOUTH AFRICA. TOBACCO INDUSTRY CONTROL BOARD. Report for the year ended 30th April, 1951. Pretoria, 1951. 34 p. 280.2699 So8
- 88122 U. S. PRODUCTION AND MARKETING ADMIN. Dark air-cured tobacco market review, 1950-51 season. Washington, 1951. 30 p. 1.9 Ec714T
- Statistical report.
- 88123 U. S. PRODUCTION AND MARKETING ADMIN. Tobacco at the warehouse. U. S. D. A. PA-175,4 p.-folder. June 1951. 1 Ag84Pro
- 88124 WEYBREW, J. A., and BROWN, O. A. Comparative analyses of tobaccos cured in the presence and absence of combustion gasses. N. C. Agr. Expt. Sta. Agron. Inform. C. 150,6 p. Mar. 1950. 100 N81A

MISCELLANEOUS PRODUCTS

- 88125 BURGESS, A. H., and TATCHELL, A. R. Progress report on studies of deterioration of hops during storage. Wye Col. Dept. Hop Res. Annu. Rpt. 1950:21-46. Ref. 1951. 70.9 W972
- 88126 BURGESS, A. H. The use of sulphur in hop drying. Wye Col. Dept. Hop Res. Annu. Rpt. 1950:83-84. 1951. 70.9 W972

- 88127 CARAPELLE, E. La salazón y la conserva en aceite, en Italia. *Indus. Conserv.* 17:76-80. Mar.1951. 389.8 In24
Fish.
- 88128 FIEGER, E. A. Refrigeration of gulf shrimp, with special reference to the cause and prevention of black spot. *Amer. Warehousemen's Assoc. Proc.* 60:98-103. 1951. 297.9 Am32
- 88129 GERMANY (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Ernteflächen und -erträge der heil- und gewürzpflanzen 1950. Germany. *Statist. Bundesamt. Statist. Ber.* III/9/1,23 p. Apr.5,1951. 265 V58
- 88130 LAURIE, A. Mum production and marketing survey. *Florists' Exch.* 116(17):19. Apr.28,1951. 80 F666
- 88131 MONCRIEFF, R. W. Applications of alginates. 1. *Chem. Prod. (n.s.)* 14:275-277. Aug.1951. 382 C428
- 88132 RHODES, N. It's about time. For Sale, Want & Exch. B. 4(4):1. June 15,1951. 280.38 F74
Inclusion of floricultural information in the market news service for Florida.
- 88133 RIVALS, P. La question du quinquina à la Réunion. *Rev. Agr. de l'île de la Réunion (n.s.)* 50:255-270. (Concl.) Nov./Dec.1950. 25 R32
- 88134 SCHEIBENBOGEN. Praktische erfahrungen mit neuzeitlichen hopfen-schwefelanlagen. *Brauwelt* 30:635. July 26,1951. 390.8 B732
- 88135 SELWOOD, A. Shipping rose blooms by air. *Rose Soc. Ontario, Rose B.* 1:2-4. Mar.1951. 82 R72R
- 88136 STEVENSON, V. Alstromerias are summer belles. *Fruit, Flower & Veg. Trades' J.* 11(4):31. July 28,1951. 80 F946
- 88137 WALSH, M. T. Cut flowers are big business. *Calif. Farmer, North. Ed.* 195:94-95. Aug.11,1951. 6 C126
In California.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 88138 ALBANESE, F. Aspects of the agricultural economy in the U. S. S. R. (In Italian.) *Agenzia Romana Note e Inform. Agr.* 4(61/62):9-10. Aug.24,1951. 281.8 Ag3
- 88139 BÄR, A. L. S. The agricultural situation in Argentina. (In Dutch.) *Landb. Wereldnieuws* 6:492-494. Aug.4,1951. 12 L237
- 88140 BÄR, A. L. S. The economic situation of Chile. (In Dutch.) *Landb. Wereldnieuws* 6:471-473. July 28,1951. 12 L237
Agricultural.
- 88141 BENNETT, H. G. Point 4, opportunity for Americans. *Washington, U. S. Ext. Serv.*, 1951. 2 p. 1.913 F3P75
Excerpts from remarks before the National 4-H Club Camp, June 19, 1951, Washington, D. C.
- 88142 BRANNAN, C. F. America goes forward. *Washington, U. S. D. A., Off. Sec.*, 1951. 11 p. 1.9 A2B73
Talk at Four-County Fair, Coon Rapids, Iowa, Aug. 22, 1951.
- 88143 ESKILDSEN, C. R. What ECA has done in the field of agriculture in the countries where it operates. *Philippine Agr. Engin. J.*, First Q.1951:14-17. 58.8 Ag88
- 88144 GALVEZ, E. Notas sobre el desarrollo económico del Estado de Veracruz. *Rev. de Econ.* 14:170-174. June 1951. 280.8 R3293
Includes agriculture.
- 88145 GUINIER. La réorganisation de la Fédération Française de l'Economie Alpestre. *Acad. d'Agr. de France. Compt. Rend.* 37:328-329. May 30,1951. 14 P215Bc
- 88146 HAMBURGER, P. Economic background. *Israel & Middle East* 23:68-70. July/Aug.1951. 286.8 P172
Includes agriculture.
- 88147 KRAMAROVSKII, I. A. National economy of Hungary on a higher level. (In Russian.) *Vneshn. Torg.* 21(4):1-6. Apr.1951. 286.8 F762
Includes agriculture.

- 88148 NIKOL'SKII, A. Successful development of economy of Bulgarian People's Republic in 1950. (In Russian.) *Vneshn. Torg.* 21(4):7-13. Apr.1951. 286.8 F762
Includes agriculture.
- 88149 NORTH CAROLINA. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. DEPT. OF AGRICULTURAL ECONOMICS. Program of instruction in agricultural economics; the staff, courses offered, and content of courses. *Raleigh*, 1951. 45 p. 276 N8122
- 88150 POWELL, H. C. A land agent's bookshelf. IV. The land: its economics, politics, sociology, and history. *Land Agents' Soc. J.* 50:347-351. (Cont.) Aug.1951. 282.9 L22
- 88151 PROCTOR, R. E. A critical appraisal of research in agricultural economics in the South. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:11-12. 1951. 4 C82
- 88152 RODRIGUES, J. DE M. Economic aspects of rural life. (In Portuguese.) *Vida Agr. [Lisboa]* 14(84):1-2. July/Aug.1951. 15.5 V66
Portugal.
- 88153 SCHMITTER, L. L. Recent economic developments in Italy. *Foreign Com. Wk.* 44(9):3-4,26-28. Aug.27,1951. 157.54 F763
Includes agriculture.
- 88154 SEMENAS, L. Economic development of the Chinese People's Republic. (In Russian.) *Vneshn. Torg.* 21(3):1-9. Mar.1951. 286.8 F762
Includes agriculture.
- 88155 SMITH, G. R. Evaluation and review of research in agricultural economics and rural sociology. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:12. 1951. 4 C82
- 88156 TODD, H. P. Industrialization in the South and its relations to agriculture. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:49-50. 1951. 4 C82
- 88157 UNITED NATIONS. DEPT. OF ECONOMIC AFFAIRS. Economic survey of Europe in 1950. Geneva, 1951. 261 p. 280.9 Un3657
Prepared by the Research and Planning Division, Economic Commission for Europe.
Includes agriculture and trade.
- 88158 WALLACE, R. F. The location of industrial plants in Mississippi under the "balance-agriculture-with-industry" program. *Nowest. U. Sum. Doct. Diss.* 18:209-213. June/Sept.1950. 241.8 N81
- 88159 DIE WIRTSCHAFTLICHE entwicklung Marokkos. *Rev. d'Etudes Econ. Franco-Allemandes* 8:37-50. Apr. 1951. 280.8 R3238
Includes agriculture.
- 88160 WYLIE, C. E. Kinship of farming and industry. *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 66(9):136. Sept. 1951. 6 P945K

AGRICULTURAL FINANCE

- 88161 GRAY, A. W. The farm cosmetic market. *Amer. Perfumer & Essential Oil Rev.* 58:101-103. Aug. 1951. 308.8 Am3
- 88162 HEUER, L. A. Budget. *Oreg. Farmer* 74:559, 562. Aug.2,1951. 6 Or32
The farm family budget.
- 88163 SELLING the farm market: 1951-52. *Tide* 25(35):41,44,46,50,52-54,56-58. Aug.31,1951. 238.28 T43
- 88164 U. S. BUR. OF AGRICULTURAL ECONOMICS. Agricultural finance review, v. 13. Supplement. *Washington*, 1951. 17 p. 1.9 Ec78Af
Contains a statistical appendix.
Farm credit, fire insurance, and taxation.
- 88165 WALTERS, F. R. Balance sheet of agriculture—where the farmer stands and where he is headed. *Mag. Wall St.* 88:546-547,575. Aug.25,1951. 286.8 M27
Credit
- 88166 AQUINO, F., ETCATS, R., and ROCHAC, A. El crédito agrícola en El Salvador. *Inst. de Estud. Econ. Rev. de Econ. de El Salvador* 1:295-372. Jan./Dec.1950. 280.9 Sa52
- 88167 BANCO NACIONAL DE COSTA RICA. Trigesima quinta memoria anual. San Jose, 1950. 224 p. 284.9 B2297
Includes data on agricultural credit.
- 88168 BAYMA, C. Rural financing. (In Portuguese.) *Seleç. Agr.* 6(63):17-18. July 1951. 9.2 Se4
Brazil.
- 88169 BELLAMY, J. W., JR. Cotton production financing. *Banking* 44(3):82,130,132. Sept.1951. 284.8 Am3

88170 BUNBURY, E. C. Agricultural Mortgage Corporation. (Extr.) London Corn C. 108(43):11. May 28, 1951. 286.81 L84

88171 CAVERT, W. L. Relation of inherent soil productivity to debt-paying capacity of Minnesota farms. J. Farm Econ. 33:409-412. Aug. 1951. 280.8 J822

88172 CLARKE, R. R. Informe sobre reorganización del Banco Hipotecario de El Salvador. Inst. de Estud. Econ. Rev. de Econ. de El Salvador 1:181-195. Jan./Dec. 1950. 280.9 Sa52

88173 DANNEMANN, R. Gesetz über bundesbürgerschaft für saatzgultkredite beschlossen. Landwirtbl. Weser-Ems 98:539-540. June 21, 1951. 18 L2345

88174 DOANE, D. H. A public relations program for the country banker. Ill. Banker 32(13):16-18. July 30, 1951. 284.8 G79

88175 DU PLESSIS, C. V. H. Agricultural bank obtains too little money. (In Afrikaans.) Landbouweekblad 33(1670):17, 21. July 18, 1951. 24 L232

88176 FRANCIS, D. R. The impact of banking on agricultural progress. Ill. Banker 32(13):18-21. July 30, 1951. 284.8 G79

88177 FUHR, B. The farmer and his local banker become neighbors. Miss. Banker 36(3):11, 34. Aug. 1951. 284.8 M69

88178 KENYA. LAND AND AGRICULTURAL BANK. Annual report 1950. Nairobi, 1951. 30 p. 284.29 L222

88179 KRUSE, E. F. CCC—what it is—what it does—how it benefits. Washington, U. S. Prod. & Mktg. Admin., 1950. 5 p. 1.956 A2K94

Summary of remarks before the Connecticut State PMA meeting, Farmington, Conn., Nov. 28, 1950.

88180 LAMBERT, C. T. Report of the Committee on Agricultural Development. Money & Com. 72(38):47-48. Aug. 25, 1951. 284.8 M743

West Virginia Bankers Association.

88181 PAGANI, L. Difficulties to overcome in the field of agricultural credit. (In Italian.) Agr. delle Venezie 5:235-239. May 1951. 16 Ag826

88182 PAGANI, L. Financing of this year's voluntary grain pools has also been extended to the subsidized product. (In Italian.) Agr. delle Venezie 5:419-422. Aug. 1951. 16 Ag826

88183 PEYRONNET, C. La reconstitution du vignoble et son financement. Rev. Agr. de l'Afrique du Nord 49:389-391. May 25, 1951. 80 R326

88184 PUTNAM, J. N. Here's how you can make a success of a farm credit meeting. Co. Agent & Vo-Ag Teacher 7(9):13-14. Sept. 1951. 275.28 N213

88185 RAVA, M. G. The function of credit in modern agriculture. (In Italian.) Gior. di Agr. 61:241. Aug. 5, 1951. 16 R1G

88186 ROMERO KOLBECK, G. El crédito a la agricultura. Rev. de Econ. 14:153-154. June 1951. 280.8 R3293

Mexico.

88187 TAVARES, I. Methods of calculating amortization of agricultural equipment. (In Portuguese.) Pernambuco. Sec. de Agr., Indus. e Com. B. 17:230-240. July/Dec. 1950. 9.2 P423

88188 U. S. FARM CREDIT ADMIN. Farm mortgages recorded, 1950. Washington, 1951. 23 p. 1.955 A2F226

Income

88189 BRANNAN, C. F. The farmer's share of abundance is small. Co-op Grain Q. 9(2):11-16. Summer 1951. 280.28 C7898

Income.

88190 U. S. OFF. OF BUSINESS ECONOMICS.

NATIONAL INCOME DIV. National income and product of the United States 1929-1950. Washington, 1951. 216 p. 157.7 C76Ds

Includes statistics for agriculture.

Inflation

88191 INFLATION—enemy on the home front.

Grocery Mfr. Amer. Line Life Line 2(2), 8 p. May 1951. 389.9 G89L

Includes food prices.

88192 PETERSON, E. E., and SHAFFER, J. D. Inflation—what we gain—or lose. Hoard's Dairyman 96:637, 644. Aug. 25, 1951. 44.8 H65

88193 PETERSON, E. E., and SHAFFER, J. D. Wanted! Inflation controls that work. 2. Hoard's Dairyman 96:675, 693. Sept. 10, 1951. 44.8 H65

Insurance

88194 CARNELUTTI, F. The revision of unified payments in share farming. (In Italian.) Agricoltore [Perugia] 8(13):1-2. July 1/15, 1951. 281.8 Ag822

88195 CARNELUTTI, F. The revision of unified payments in share farming, after cassation. (In Italian.) Agr. Moden. 7(8):3-4. June 1/30, 1951. 16 Ag8255

88196 CAVINA, R. Agricultural and livestock insurance. (In Portuguese.) Seleç. Agr. 6(63):31-35. July 1951. 9.2 Se4

88197 ELLICKSON, J. C. Hail insurance on growing crops. U. S. D. A. Agr. Inform. B. 56, 20 p. June 1951. 1 Ag84Ab

Also in Mutual Ins. B. 38(3):7-11, 16; (4):8-11. Mar.-Apr. 1951. 284.68 M983

88198 FRANÇOIS, J. Assurances sociales des exploitants agricoles. Fiches Rur. 69:14-16. May 1951. 281.8 F44

France.

88199 GELSI BIDART, A. El problema de las jubilaciones rurales. Rev. de la Fed. Rur. (ser. 3) 13(32):62-68. Nov. 1950. 9.9 R322

Includes discussion.

Uruguay.

88200 HAYES. Social security in agriculture. Landmark 8(8):7, 12. (Cont.) Aug. 1951. 281.28 L23

88201 KÖSTER, A. Hab und gut richtig versichern! Hannoversche Land- u. Forstwirtschaft. Ztg. 104:320. (Cont.) Apr. 7, 1951. 18 H194

Crop insurance.

88202 MADRY, R. P. La sécurité sociale aux Antilles et à La Réunion. Marchés Colon. 7:1645-1648, 1650. June 16, 1951. 286.8 M33

88203 SCHULTZ. Beitragssenkung durch unfallverhütung. Norddeut. Holzwirt. 5(25):1-2. June 21, 1951. 99.82 N75

88204 U. S. FEDERAL CROP INSURANCE CORPORATION. Corn loss adjustment manual for 1951 and succeeding crop years. Washington? 1951. 24 p. 1.952 L895

88205 U. S. FEDERAL CROP INSURANCE CORPORATION. Whoa! times have changed. U. S. D. A. PA-179, 4 p.-folder. Sept. 1951. 1 Ag84Pro

Crop insurance.

Taxation

88206 BÖHME, E. Flächensteuer? Deut. Landwirt. Presse 74:114. May 5, 1951. 18 D482

88207 HART, S. H. Good tax news—House passes favorable capital gains legislation. West. Livestock J. 29(43):67-68. July 15, 1951. 6 F2278

Livestock taxation.

88208 KUEHN. Über fehlmengen in der brauerei; ungerechtigkeiten im bisherigen biersteuergesetz. Brauwelt 31:649. Aug. 2, 1951. 390.8 B732

Germany.

88209 LARSEN, P. Landmandens skattebog [The farmer's tax book]. Gentofte, Forlaget Aktuelle Bøger, 1951. 42 p. 284.5 L322

88210 LEIBFRIED, E. Ein unrecht am kriegsopfer auf dem lande! Werden kriegsversehrte, witten und alte, unversorgte eltern unserer kleinhauern minder bewertet? Bauern-Ztg. 4(32):1-2. Aug. 10, 1951. 18 B324

Problems of taxation in Germany.

88211 NIELSEN, V. Grundstigningsskyld [Tax on increased land values]. Ed. 3. København, Gad, 1950. 116 p. 284.5 N55

88212 PFLEIDERER, K. Die steuerrechtliche behandlung der geflügelzuchtbetriebe. Deut. Wirtgeflügelzucht. 3:494. July 14, 1951. 47.8 D483

88213 REHWINKEL. Zur steuerlichen belastung. Hannoversche Land- u. Forstwirtschaft. Ztg. 104:315. Apr. 7, 1951. 18 H194

88214 SIJTSMA, P. Taxation questions. 15. (In Dutch.) Friesch Landtbl. 48:298. May 4, 1951. 12 F91

88215 SNYDER, L. B. Tax tips for flood victims; land owners with flood damage have certain rights under the income tax law. Nebr. Farmer 93(17):14. Sept. 1, 1951. 6 N27

88216 STRUNZ, H. Die einkommen- und umsatzsteuerberechnung bei nicht buchführenden land- und forstwirtschaften. Landwirtschaft 15/16:219-220. Aug. 1951. 19 L235

Austria.

88217 TAYLOR, T. R. A new income tax decision and a review. West. Live Stock 36(7):23, 92-94; (10):28. Feb., May 1951. 49 W523

Capital gains tax on breeding stock.

88218 TSCHIRITSCH. Einkommen- und umsatzsteuer für 1950. Kärntner Bauer 101:306-307. June 1, 1951. 19 K14

88219 U. S. CONGRESS. SENATE. COMMITTEE ON FINANCE. Revenue Act of 1951. Hearings, 82d Cong., 1st sess. on H. R. 4473, pts. 2-3. Washington, 1951. p. 337-2624.

Pt. 2 held July 5, 6, 9, 10, 11, 12, 13, 16, 17, 18, 19, and 20, 1951; pt. 3 held July 23, 24, 25, 26, 27, 30, 31, August 1, 2, and 3, 1951.

Contains statements and testimony by representatives of farm organizations and cooperative organizations relating to taxation.

88220 WEIR, W. W. Soil survey as a basis for equalization of rural assessments. Agr. Engin. 32:483-485, 492. Sept. 1951. 58.8 Ag83

88221 WIKLUND, K. Is forestry subsidized by farming? (In Swedish.) Lantmannen 35:352. Apr. 28, 1951. 11 L234

Tax exemption of foresters.

AGRICULTURAL LABOR AND WAGES

88222 ANDERSSON, H. The farm labor boards and farming and forestry. (In Swedish.) Västerbotten 1:12-13. Feb. 1950. 11 V442

88223 ANDREAE, B. Das kernproblem der landarbeit. Deut. Landwirt. Presse 74:119. May 5, 1951. 18 D482

Wage problems.

88224 AXER, J. Italian almond industry is thriving on low-paid labor. Almond Facts 16(4):10. July/Aug. 1951. 280.28 AL62

88225 BIKKER, J. W. Simplification of work on the small grazing farm. (In Dutch.) Netherlands. Landbouwlichtingsdienst. Maandbl. 8:246-253. June 1951. 12 N383M

88226 BONOMI, P. Labor crusade. (In Italian.) Glor. di Agr. 61:239. Aug. 5, 1951. 16 ItIG

Unemployment in Italian agriculture.

88227 BOTTINI, R. N. The Wages Board orders and annual holidays. Land Worker 32(387):6-7. Aug. 1951. 283.8 L22

Great Britain.

88228 COLVARD, D. W. Labor requirements for different types of dairy barns. (Abs.) Assoc. South. Agr. Workers. Proc. 48:88. 1951. 4 C82

88229 DARI, E. M. Physical and economic protection of working mothers. 2. (In Italian.) Rass. dell'Agr. Ital. 6(1):13-15. Jan. 1951. 281.8 R18

Agricultural labor.

88230 DEMAREE, F. H. Effective use of farm labor stressed on State tour. Ind. Farmers Guide 107(15):2. Aug. 1, 1951. 6 In2

88231 DUCOFF, L. J. Migratory farm workers: a problem in migration analysis. Rur. Sociol. 16:217-224. Sept. 1951. 281.28 R88

88232 THE FIRST session of the Committee on Work on Plantations. Internat. Labour Rev. 63:657-676. June 1951. 283.8 In8

Committee of the International Labour Office.

88233 GASSNER. Der melker als bester mitarbeiter des landwirts. Bl. f. den Melker, p. 3. In Unser Milchvieh 3(6). June 1951. 43.8 Un7

Germany.

88234 HARRACH, GRAF. So helfen sie sich. Deut. Landwirt. Presse 74:202-203. Aug. 4, 1951. 18 D482

Work management.

88235 HORN. Aus der geschichte des melkerberufes. Bl. f. den Melker, p. 2. In Unser Milchvieh 3(7). July 1951. 43.8 Un7

Germany.

88236 KAAS, J. Die n.-ö. landarbeitsordnung. Landwirtschaft 15/16:220-222. (Cont.) Aug. 1951. 19 L235

Austria.

88237 KNOTZER, H. Der neue kollektivvertrag für landwirtschaftliche wander- (saison-) arbeiter. Landarb.-Arch. 6:226-248. June 1951. 283.8 L23

Austria.

88238 LEE, S. C. Employment conditions of the agricultural laborer in China and his prospects for social advancement. Rur. Sociol. 16:238-245. Sept. 1951. 281.28 R88

88239 LERA DE ISLA, A. De nuestros campos trigueros; nuestros labradores no lo esperan todo de las nubes. Tolva 9:365-367. May 1951. 59.8 T587

Spain.

88240 LONG, E. J. The President's Commission on Migratory Labor in American Agriculture. Land Econ. 27:249-251. Aug. 1951. 282.8 J82

88241 LUSCOMBE, H. M. Some Australian impressions; how Aussies cope with the labour shortage. Merino Breeders' J. 13(3):8, 10, 16. July 1951. 45.8 So8

88242 MAISEL, K. Die aufgaben des österreichischen Gewerkschaftsbundes. Landarb.-Arch. 6:85-96. Mar. 1951. 283.8 L23

88243 OLSSON, E. Simplification of daily work in the barn. (In Swedish.) Västerbotten 4:114-115. July 1950. 11 V442

88244 RIES, L. W. Weckung von arbeitswille und arbeitsfreude. Neue Mitt. f. die Landwirt. 6:381-382. June 9, 1951. 18 N39

Agriculture labor and wages.

88245 RÖHNER, J., and WANDER, J. F. Die hälfte der arbeitszeit unproduktiv. Landtechnik 6:564-567. Aug. 30, 1951. 58.8 L235

88246 ROTTENBERG, S. Negotiated wage payments in British West Indian agriculture. J. Farm Econ. 33:402-405. Aug. 1951. 280.8 J822

88247 SCHLUGA-TSCHUTTIG, N. Meine arbeits-technik im freiluftstall. Österr. Landtech. 4:41-42. Feb. 1951. 58.8 L236

88248 SVINSAS-LO, K. Labor requirements for silage and hay. (In Norwegian.) Landbrukstidende 57:483-386, 407-409. May 16-23, 1951. 11 L236

88249 SWEDEN. SOCIALSTYRELSEN. Lönestatistik årsbok för Sverige 1948 [Annuaire statistique des salaires de la Suède en 1948]. Stockholm, 1950. 158 p. 283.9 Sw3

88250 TIENSTRA, T. J. Why does the farmer find labor standards necessary on his farm? (In Dutch.) Drents Landtbl. 32(30):13. July 28, 1951. 12 D812

Netherlands.

Also in Landbode 5(31):2. Aug. 11, 1951. 12 L234

88251 UHLIRS, J. Die Landarbeiterkammer für Oberösterreich — ein werkzeug der arbeitgeberorganisation. Landarb.-Arch. 6:169-176. May 1951. 283.8 L23

88252 U. S. PRODUCTION AND MARKETING ADMIN. Tipos de jornales justos y razonables, cosecha de remolacha de azúcar de 1951 en regiones con excepción del Estado de California, Sudoeste de Arizona y Sud de Oregon; fair and reasonable wage rates, 1951 crop of sugar beets in regions other than the State of California, southwestern Arizona, and southern Oregon. Washington, 1951. 7 p. 1.956 Su3T49

88253 WEEKS, S. B., and FRICK, G. E. How to make money doing custom work. N. H. Agr. Col. Ext. C. 303, 12 p. July 1951. 275.29 N45C

U. S. Bureau of Agricultural Economics cooperating.

88254 WEKRE, E. The position of milk plant technicians in the 19th century. (In Norwegian.) Meieriposten 40:567-571. Aug. 11, 1951. 44.8 M47

88255 WURZ, K. Das fünfte lohn- und preisabkommen. Landwirtschaft 15/16:217-218. Aug. 1951. 19 L235

Austria.

88256 ZAK, J. Die neue unterstützungsordnung. Landarb.-Arch. 6:180-190. May 1951. 283.8 L23

Regulation of the Österreichischer Gewerkschaftsbund providing unemployment and other types of assistance.

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

88257 AGUILA, M. DEL. El Oriente Peruano, sus industrias y sus problemas. Mensajero Agr. 61:49. May 1951. 9.8 M52

Touches upon agriculture.

88258 AKTIEBOLAGET SVENSKA HANDELSBANKEN. Annual report for the year 1949 presented to the general meeting of shareholders on March 10, 1950. Stockholm, 1950. 55 p. 284.9 Ak72

Includes agriculture and trade.

88259 ALBANESE, F. Apropos of the new ECA plan; agriculture at the crossroads. (In Italian.) Agenzia Romana Note e Inform. Agr. 4(60):1-3. Aug. 18, 1951. 281.8 Ag3

88260 ANTONIETTI, A. The Crau region in France. (In Italian.) Riv. di Econ. Agr. 6:222-236. 1951. 281.8 R52

English summary.

Agriculture.

88261 ARTAUD. Politique agricole. Terre d'Oc 33:226-228. July 1951. 14 Ar5

88262 ASSOCIATION OF SOUTHERN AGRICULTURAL WORKERS. Proceedings, 48th annual convention held at Memphis, Tennessee, February 5, 6, 7, 1951. n.p., 1951. 190 p. 4 C82

88263 AUBER, J. Les réalisations du plan. Entrep. et Prod. de Madagascar 5:43-60. Oct./Dec. 1950. 280.8 En8

The ten-year plan for Madagascar.

88264 AUSTRIA. BUNDESREPRESIDENT. Österreichisches Jahrbuch 1950, zweihundzwanzigste Folge. Wien, 1951. 379 p. 266 Au72A

Contains a chapter on agriculture and forestry.

88265 BELM, M. ZU. Nachlese zur auslandsstudienreise nach Dänemark. Landwirtbl. Weser-Ems 98:653-654. July 26, 1951. 18 L2345

Agricultural.

88266 BJARSDAL, J. English agriculture of to-day—visit to farmers. (In Swedish.) Lantmannen 35:611-612. Aug. 11, 1951. 11 L234

88267 BRODHAAG, M. H. The carrying out of the welfare program for agriculture in Java and Madura. (In Dutch.) Landb. Wereldnieuws 6:474-477. July 28, 1951. 12 L237

88268 BROUDRE. Bedrohliche Entwicklungen. Deut. Landwirt. Presse 74:204-205. Aug. 4, 1951. 18 D482

Problems of agricultural productivity.

88269 BUMPER crops mean high farm incomes in 1951. Fed. Reserve Bank Richmond. Mon. Rev. Sept. 1951: 7-8. 284.8 F31R

88270 CAMERON, T. D. The Dolhendre Hillside Scheme. Roy. Inst. Chartered Surveyors. J. 31:118-123. Aug. 1951. 282.9 C38J

88271 CAMPO, E. J. A. Agricultural schemes in Suriname. (In Dutch.) Landbk. Tijdschr. 63:371-378. June 1951. 105.2 Or3

English summary.

88272 CHANCE, F. S. Science in a changing agriculture. (Abs.) Assoc. South. Agr. Workers. Proc. 48:5-9. 1951. 4 C82

88273 CHAPMAN, P. W. Historic Virginia; efficient production in the Old Dominion. Prog. Farmer, Tex. Ed. 66(9):46, 48, 50, 54. Sept. 1951. 6 T311

88274 COLE, H. B. Political and economic developments in Liberia; reforms under the Tubman administration—need for more vigorous agricultural policy. African World, Sept. 1951:11-12. 286.8 Af8

88275 COURTS, G. La mise en valeur du Lac Alaotra. Entrep. et Prod. de Madagascar 5:173, 175, 177, 179, 181, 183. Oct./Dec. 1950. 280.8 En8

Agricultural planning and settlement.

88276 DAVID, J. P. Ce que doit être la politique agricole de demain. Monit. du Prog. Agr. et Vitic. 4(164): 1, 3. June 3, 1951. 14 M744

France.

88277 DEBATS, M. Leçons d'une excursion agricole en Ile-de-France. Terre d'Occ 33:264-278. Aug. 1951. 14 Ar5

Vue d'ensemble sur l'excursion, by Delucq, p. 278-280.

88278 DISCHLEIT. Sicherheit und landwirtschaft; bericht über die internationale, öffentliche landwirtschaftliche tagung in Bonn. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:61-62. June 1951. 18 N11

88279 ERLAND, S. Problems in connection with the rearrangement of agricultural production. (In Norwegian.) Landbrukstidende 57:47-50. (Cont.) Jan. 17, 1951. 11 L236

Norway.

88280 FEDERACIÓN RURAL. XXXIV congreso rural celebrado en Montevideo. Rev. de la Fed. Rur. (ser. 3) 13(32):9-142. Nov. 1950. 9.9 R322

88281 FENGER, V. Danish and English agriculture: Milk Indus. 32(2):60-63. Aug. 1951. 44.8 M592

88282 FERNANDEZ-ARMENTA, M. La ley de reglamentos local. Campo [Sevilla] 10(107):41. Feb. 1951. 15 C15

Spain.

88283 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Annual report of the Government of the United States of America. Rome? 1951. 172 p. 389.9 F7354

88284 FORTECENING over nordisk jordbrukslitteratur, 1943-1948; dansk, norsk och svensk litteratur, 1944-1948; finsk och isländsk litteratur, 1943-1948 [List of Scandinavian agricultural literature, 1943-1948; Danish, Norwegian and Swedish literature, 1944-1948; Finnish and Icelandic literature, 1943-1948]. Nord. Jordbrorsk. 162 p. 1951. 11 N752

88285 FRANCE. DIRECTION DE LA DOCUMENTATION. Extraits de l'inventaire des ressources de l'économie française; la situation de l'agriculture (1949-1950). France. Dir. de la Doc. Notes et Études Doc. 1476, 56 p. May 4, 1951. 280.9 F843

88286 FRAUENDORFER, S. Die umgestaltung der italienischen agrarverfassung. I. Landarb.-Arch. 6:213-218. June 1951. 283.8 L23

88287 GARNAUD, J. C. Bâtie par les paysans, la France est d'abord agricole. B. des Agr. 47(5):48-49, 70, 72-73. May 1951. 7 B872

88288 GORE, A. Agriculture's problems and duties. (Abs.) Assoc. South. Agr. Workers. Proc. 48:9-11. 1951. 4 C82

88289 GORGA, R. M. The field of production of Rio Grande do Sul. (In Portuguese.) Orientação Econ. e Financ. 8(93):35-36, 34. Apr. 1951. 280.8 Or42

Includes agricultural productivity.

88290 GRANDE COVIAN, R. Los deltas españoles y sus posibilidades agrícolas. Asoc. Nac. de Ingen. Agron. B. Ofic. 3(13):3-10. Apr. 1951. 58.9 As5

88291 GRANGIER, B. La champagne, triomphe du travail humain. Agr. Prat. 115:327-329. July 1951. 14 J82

Agriculture, including wheat and wine production.

88292 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. At the farmer's service; a handy reference to various Government services available to farmers in England and Wales. London, 1950. 36 p. 32 G794A

88293 HARVEST prospects. Fed. Reserve Bank San Francisco. Mon. Rev. Aug. 1951:58-60. 284.8 F31S

Agricultural outlook.

88294 HEISIG, C. P. Wartime production adjustment studies—an experience in judgment estimating. J. Farm Econ. 33:397-401. Aug. 1951. 280.8 J822

88295 HOLLY, J. F. The economy of Greeneville, Tennessee; a study of the information and data related to the Greeneville, Tennessee, economic community. Tenn. U. Col. Business Admin. Bur. Res. Study 21(1), 62 p. Ref. Mar. 1950. 280.9 T252

Contains a chapter on agriculture.

88296 HOMAN, J. L. Western Europe and world-farming. (In Dutch.) Landbk. Tijdschr. 63:360-370. June 1951. 105.2 Or3

English summary.

88297 IBARBURU, M. La situación agropecuaria del Dpto. de Artigas. Rev. de la Fed. Rur. (ser. 3) 13(32):45-49. Nov. 1950. 9.9 R322

Includes discussion.

88298 JAPAN. ECONOMIC STABILIZATION BOARD. 1951 annual report for Japan to Food and Agriculture Organization of the United Nations (fifth annual report). Tokyo? 1951. 118 p. 389.9 Su74

88299 JENSEN, A. Farm stakes and working conditions. (In Danish.) (Sum.) Dansk Landbr. 70:207-208. May 3, 1951. 280.28 V91

88300 JOHNSON, P. C. How do we stand on agriculture? Mid-West. Banker 45(7):18, 20, 22, 24. July 1951. 284.28 B222

88301 JONES, A. F. Roosevelt County's development from wide open spaces to prosperous farm and livestock production—in 40 years. N. Mex. Stockman 16(9):24, 130. Sept. 1951. 49 N462

88302 JULIENNE, R. Le plan décennal de Madagascar. Entrep. et Prod. de Madagascar 5:27-41. Oct./Dec. 1950. 280.8 En8

Includes agriculture.

88303 KALLBRUNNER, H. Genügen unsere almschutzgesetze? Agr. Rundschau 6:54-55. Summer 1951. 280.8 Ag82

Austria.

88304 KIMMEL, D. C. Agricultural development in the Pittsburgh District. Pa. State Col. Abs. Doct. Diss. 13:32-37. 1951. 241.8 P38

88305 KING, F. E. Arkansas—we salute you! Ranchman 11(4):4-6. Aug. 1951. 49 R15

Includes agriculture and livestock.

88306 KIRCHGASSNER, A. Die axt an der volks-wurzel; ist das deutsche volk auf dem wege, seine bauern und ihre harte arbeit zu vergessen? Bauern-Ztg. 4(30): 4; (31):2. July 27-Aug. 3, 1951. 18 B324

88307 KLATT, W. Ost-Pakistan und der Colombo-Plan. Wirtschaftsdienst 31(7):37-39. July 1951. 280.8 W74

Agricultural policy.

88308 KONCZEWSKI, C. L'agriculture suédoise. Agr. Prat. 115:333-335. July 1951. 14 J82

88309 LOBANOV, P. Socialist agriculture in the postwar Five-Year Plan. (In Russian.) Bol'shevik 28(10): 8-20. May 1951. 280.8 B633

88310 LOPEZ, F. Five-year progress in agriculture and natural resources development. Agr. & Indus. Life 13(7):4-5, 35, 40. July 1951. 25 Ag8

Philippines.

- 88311 MANSHOLT. Productivity increase and free exchange are necessary for agricultural prosperity. (In Dutch.) Plattelands-Post 7(25):1-2. June 23, 1951. 12 P69
- 88312 MENDES SOBRINHO, O. T. African agriculture as seen by a Brazilian agronomist. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 28:391-413. (Cont.) May 1951. 68.29 Sa63
- 88313 MIEGE, J. L'agriculture baoulé. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(2):47-59. 1951. 515 C762C
- 88314 MILLER, P. E. Ireland: land of 'old sod' pastures. Farmer [St. Paul] Gen. Ed. 69(14):9,19. July 21, 1951. 6 F2211
Résumé of Economic Cooperation Administration accomplishments in Irish agriculture.
- 88315 MOREAU, D. H. A Jerseyman visits the land of Jordan. N. J. Farm & Gard. 22(8):12,14,55. Aug. 1951. 6 G162
Agriculture in Israel.
- 88316 MOREUX, R. Le plan doit, avant tout, prévoir des équipements peut-être non spectaculaires, mais directement et immédiatement utiles. Marchés Colon. 7: 1649-1650. (Cont.) June 16, 1951. 286.8 M33
Agricultural program for French colonies.
- 88317 MYERS, W. I. Farm prospects good if efficiency upped. Milling & Feed 32(3):22. Mar. 1951. 298.8 C162
- 88318 NESBITT, L. D. A visit to Mexico. Manitoba Co-op. 9:3. (Cont.) Aug. 2, 1951. 280.28 M31
Agriculture.
- 88319 NUNN, W. M. Agriculture in the Kimberley Division. West. Austral. Dept. Agr. J. (ser. 2) 28:51-55. Mar. 1951. 23 W52J
- 88320 OLIVA, A. Southern agricultural problems toward the phase of solution. (In Italian.) Humus 7(6): 3-10. June 1951. 16 H88
Italy.
- 88321 ONTARIO. DEPT. OF AGRICULTURE. AGRICULTURAL REPRESENTATIVE BR. Report of agricultural representatives' conference, Kemptville Agricultural School, May 29th, 30th and 31st - 1951. n. p., 1951. 40 p. 7 On82
Library has also report of 1950 conference, 46 p.
- 88322 ORGANISATION FOR EUROPEAN ECONOMIC CO-OPERATION. Economic progress and problems of Western Europe. Paris, 1951. 158 p. 280.9 Or36E
Includes a chapter on agriculture.
- 88323 OTREMBA, E. Wertwandlungen in der deutschen wirtschaftslandschaft. Erde 3/4:236-247. 1950/51. 474 Er1
- 88324 PAPI, G. U. Agriculture and industry on the world plane and in the work of the F. A. O. (In Italian.) Riv. di Polit. Econ. (ser. 3) 41:643-656. June 1951. 280.8 R52
- 88325 PASSERINI, O. Light and shadow on the Po Delta. (In Italian.) Agr. della Venezia 5:240-242. May 1951. 16 Ag826
Agricultural.
- 88326 PAVIOR, A. Agriculture in USSR. Karachi Com. 4(22):9. June 23, 1951. 280.8 K14
- 88327 PEDERSEN, S. The productivity of agriculture in various countries. (In Danish.) Tolvmandsbladet 23: 220-224, 229. Aug. 1951. 11 T58
- 88328 PERÓN, J. Lo justo es que ahora la independencia económica sirva al bienestar del campo. Mundo Agr. 3(25):5-7. June 1951. 9 M92
- 88329 PINSTRUP, H. The development in Danish agriculture under the Marshall Plan. (In Dutch.) (Sum.) Andelsbladet 52:1013-1017. Aug. 23, 1951. 280.28 An2
- 88330 PUKHLOV, N. Development of agriculture in Rumania. (In Russian.) Voprosy Ekon. 6:77-89. June 1951. 280.8 V89
- 88331 PYNAERT, L. L'agriculture au Katanga. Rev. Internat. des Prod. Colon. 26:139-143. June/July 1951. 286.8 R326
- 88332 RAO, T. S. Food production in Shevgaon Taluka. Reserve Bank India. B. 5:163-185. Mar. 1951. 284.9 R31B
Survey of agriculture.
- 88333 RICHTER, J. H. Some thoughts on German agricultural policy. J. Farm Econ. 33:405-409. Aug. 1951. 280.8 J822
- 88334 SALA ROCA, E. La agricultura en la economía nacional. Cult. Mod. 34:207-208. June 1951. 15 C89
Spain.
- 88335 SANDERSE, P. D. War damage payments and the exchequer. (In Dutch.) Fruitteelt 41:438-439. June 21, 1951. 86 N28
Chiefly agriculture.
- 88336 SAYRE, C. R. Agricultural progress in the Middle South; toward efficient farming. Middle So. News 3(4):1-3. Aug. 1951. 280.8 M583
- 88337 STAIN, H. Schwedische agrarpolitik. Pflug 4: 83-84. Apr. 1951. 19 P48
- 88338 SUPREME COMMANDER FOR THE ALLIED POWERS. ECONOMIC AND SCIENTIFIC SECT. Science & technology in Japan; a list of scientific and technical journals currently published in Japan. Supreme Commander Allied Powers. Econ. & Sci. Sect. Rpt. 22, 180 p. 330.9 Su7
Includes agricultural periodicals.
- 88339 TAYLOR, H. M. This is Virginia agriculture. South. Planter 112(9):18-19, 45. Sept. 1951. 6 So89
- 88340 THOREN, E. Agricultural planning in Färila-Kårböle. (In Swedish.) Tidskr. f. Hushållsk. och Skogs-vårdsstyr. i Gävleborgs Län 26:156-164. 1950. 11 T434
- 88341 TIDMAN, D. A. Agricultural and horticultural problems of Brazil. World Crops 3:341-344, 364. Sept. 1951. 281.8 W892
- 88342 U. S. DEPT. OF AGRICULTURE. The agricultural production job; a visual story showing the magnitude of the agricultural production job and the tools needed to keep abreast of the ever-increasing needs for food and fiber. Washington, 1951. 20 p. 1.90 A2Ag84
- 88343 U. S. DEPT. OF AGRICULTURE. FAMILY FARM POLICY REVIEW SUBCOMMITTEE. Family farm policy review; provisional report and tentative recommendations. Compiled with the cooperation of non-governmental organizations. Washington, 1951. 121 p. 1.9 C2F21
- 88344 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The production job ahead, by C. J. McCormick, G. F. Geissler, and M. E. Bliss. Washington, 1951. 4 p. 1.914 R2R11
- 88345 U. S. DEPT. OF STATE. Food production; cooperative program in Costa Rica; agreement between the United States of America and Costa Rica, effected by exchange of notes signed at San José September 18 and November 14, 1950, entered into force November 14, 1950; operative retroactively from June 30, 1950. U. S. Dept. State. Treaties & Other Internat. Acts Ser. 2172, 5 p. 1951. 150 T71T
- 88346 U. S. EXTENSION SERV. EXTENSION EDITOR ADVISORY COMMITTEE. Eighth annual report of the Extension Editor Advisory Committee. Washington, 1951. 8 p. 1.913 I2An7
Theme: Mobilization for defense.
- 88347 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. The agriculture of French Indochina. Preliminary report. Washington? 1950. 57 p. 1.943 Ag86
Prepared for the Economic Cooperation Administration.
- 88348 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. The agriculture of Siam. Preliminary report. Washington? 1950. 48 p. 1.943 Ag87
Prepared for the Economic Cooperation Administration.
- 88349 U. S. PRODUCTION AND MARKETING ADMIN. The agricultural production job; a visual story showing the magnitude of the agricultural production job and the tools needed to keep abreast of the ever-increasing needs for food and fiber. Washington, 1951. 21 p. 1.956 A2Ag8232
Mainly charts.
- 88350 U. S. PRODUCTION AND MARKETING ADMIN. 1951 agricultural production program. Washington, 1951. 17 p. 1.956 A2On2
- 88351 VOLIN, L. A survey of Soviet Russian agriculture. U. S. D. A. Agr. Monog. 5, 194 p. Ref. 1951. 1 Ag84Am
- 88352 VOUIIN, R. La sanction pénale en droit rural. Rev. de Lég. Agr. 4:100-104. June 1951. 281.8 R325
France.
- 88353 WAERBEEK, M. VAN. Farmers and gardeners in Morocco. (In Flemish.) Cult. en Handel 17:409-411. July 1951. 80 C892
- 88354 WATSON, W. P. The agricultural outlook for 1951. Ontario Crop Impr. Assoc. Addresses & Proc. 13: 76-81. 1951. 64.9 So83
- 88355 WIBBERLEY, G. P. Increased production in spite of reduced acreage; changes in English agricultural production. (In Swedish.) (Sum.) Lantmannen 35:305-306. Apr. 14, 1951. 11 L234
- 88356 WIEHLER. Panzer- und andere spuren. Han-noversche Land- u. Forstwirtschaft. Ztg. 104:511. June 2, 1951. 18 H194
Agricultural.

Subsidies

- 88357 GREIG, A. M. W. The Uneconomic Orchard Fund 1944-1951. Orchardist New Zeal. 24(6):29. July 5, 1951. 80 Or19
- 88358 HARTOG, F. Disguised State subsidies. (In Dutch.) Economist [Haarlem] 7/8:497-506. July/Aug. 1951. 280.8 Ec792

COST AND STANDARD OF LIVING

- 88359 HOOD, M. P. More effective home economics education by use of research findings. (Abs.) Assoc. South. Agr. Workers. Proc. 48:101-102. 1951. 4 C82
- Farm family living.

FARM MANAGEMENT AND LAND ECONOMICS

- 88360 AKERBERG, H. Study farms in Västernorrland. (In Swedish.) Västernorrland 5/6:148-150. Nov.1950. 11 V442
- 88361 ASDONK. Ein blick in das betriebsgefüge. Landwirt. Z. der Nord-Rheinprov. 118:739-740. Aug.18, 1951. 18 L2344
- 88362 BÖHME, G. Zwei typische dänische grossbetriebe. Württemb. Wchnbl. f. Landwirt. 118:689-690. Aug.25,1951. 18 W96
- 88363 BOUMA, G. J. A. The "Five Rods" model farm in Dulven (Geld.). (In Dutch.) Gelders Landbbl. 14(19):4. May 12,1951. 12 G282
- 88364 BRIZI, A. More notes on the economics of the peasant-operated holdings. (In Italian.) Riv. di Econ. Agr. 6:209-221. 1951. 281.8 R52
- English summary.
- Italy.
- 88365 BURGER, S. For him the low veld is a paradise. (In Afrikaans.) Landbouweekblad 33(1669):12-13. July 11,1951. 24 L232
- Farming in South Africa.
- 88366 BUTLER, C. P. Some relationships of scientific changes to management problems on dairy farms in the Southeast. (Abs.) Assoc. South. Agr. Workers. Proc. 48:14-15. 1951. 4 C82
- 88367 CARPENTER, D. J. Where old ideas pay; farming in Kent on a system which employs men rather than machines and is governed by time-honoured principles. Field 198:257-258. Aug.18,1951. 10 F45
- 88368 CASE, H. C. M., and WILLIAMS, D. B. Research attitudes in farm management. J. Farm Econ. 33:369-380. Aug.1951. 280.8 J822
- 88369 CHIEFFI, A. Keeping of cattle and swine on the same farm. (In Portuguese.) Seleç. Agr. 6(63):61-62. July 1951. 9.2 Se4
- 88370 DUTT, A. K. Farming and independence. Bot. Soc. Bengal. B. 4:39-46. Ref. Apr.1950. 451 B659
- Farm management and soil conservation.
- 88371 ELLIS, H. H. Legal problems in father-son farming operations. Land Econ. 27:235-247. Ref. Aug. 1951. 282.8 J82
- 88372 FANNING, J. W. Ten practices that pay. Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(7):76,89. July 1951. 6 P945G
- 88373 FEIGIN, H., OPPENHEIMER, L., and KADMON, J. Budgetary funds as a factor determining the economic prospects of cooperative smallholders settlements in Israel. (In Hebrew.) Jewish Agency Palestine. Agr. Res. Sta. Ktavim 1:310-330. Dec.1950. 107 J552
- Abridged English translation, p. 75-80.
- 88374 FLEURY, F. Succès en agriculture de M. le curé de St-Narcisse de Lotbinière. Terre de Chez Nous 23(18):6-7. June 27,1951. 7 T27
- Farming in Quebec.
- 88375 FLEURY, F. En visite, avec 400 cultivateurs, sur la ferme expérimentale de L'Assomption. Terre de Chez Nous 23(25):6-7. Aug.15,1951. 7 T27
- 88376 FREITAS, D. Decomposition of the small farm. (In Portuguese.) Orientação Econ. e Financ. 8(93):23-24. Apr.1951. 280.8 Or42
- Soil exhaustion and fragmentation of holdings in Brazil.
- 88377 GALANG, F. G., and PANGANIBAN, F. C. Some suggestions for successful farming operation. Agr. & Indus. Life 13(7):8-9,42. (Cont.) July 1951. 25 Ag8
- Philippines.
- 88378 GALILEE, M. The plantations of western Galilee. (In Hebrew.) Hassadeh 31:399-401. (Concl.) May 1951. 26 H27
- 88379 HARRINGTON, L., and HARRINGTON, R. Canada's first farmer. Family Herald & Wk. Star 82(26):S,15. June 28,1951. 7 F21
- 88380 HART, J. F. Hill sheep farming in southern Scotland. Nowest. U. Sum. Doct. Diss. 18:489-493. June/Sept.1950. 241.8 N81
- 88381 HASHEMITE KINGDOM OF THE JORDAN. DEPT. OF LANDS AND SURVEYS. Annual report, 1950. Amman,1951. 16,7 p. 282.9 T68R
- 88382 HEUSER, O. E. Kostensenkung durch arbeitswirtschaftliche hofgestaltung. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1219-1220. Aug.23,1951. 18 L2346
- 88383 HOWARD, R. W. World-wide exchange of farming knowledge. Agr. & Indus. Life 13(7):15,24,38. July 1951. 25 Ag8
- 88384 JOHNSTON, S. Economical peach production. East. Fruit Grower 14(6):10,22-25. Aug.1951. 80 Ea73
- Management.
- 88385 JOLLY, A. L. Group farming. Trop. Agr. [St. Augustine] 27:150-153. July/Dec.1950. 26 T754
- 88386 KLAGES, K. H. W. Palouse Country [Idaho] farming comes of age. Idaho Farmer 69:575,579. Aug. 2,1951. 6 G282
- 88387 LANIER, P. A l'assaut du prix de revient. Vie Lait, 7(132):3. May 25,1951. 44.8 V67
- Dairy farm management in France.
- 88388 LOOMER, C. W. A comment on Professor Schultz' "Framework for land economics." J. Farm Econ. 33:389-396. Aug.1951. 280.8 J822
- 88389 MCGINNIS, R. J. The farms of Spain. Farm Q. 6(3):23-29,136,138-142. Autumn 1951. 6 F22995
- 88390 MANAGEMENT problem in agriculture. VI. (In Norwegian.) Norsk Landbr. 17:131-132. Mar.30,1951. 11 N8122
- Pt. VI, by K. Vaagland.
- 88391 MANCHESTER UNIVERSITY. AGRICULTURAL ECONOMICS DEPT. Farm management survey, 1949-50. Manchester. U. Agr. Econ. Dept. B. 63,38 p. July 1951. 10 V66
- Includes figures for costs and returns.
- 88392 MANN, D. H. Teaching and farming can go together. Utah Farmer 71:611,625. Aug.2,1951. 6 D45
- 88393 MEEKAN, G. B. Una granja en Nueva Zelandia. Uruguay. Inst. Nac. de Colon. B. Anexo 2(13):4-7. Feb. 1951. 282.29 Ur8
- 88394 MORRISON, C. J. Peasant farming in Barbados. Farmer [Kingston] 55(1/3):31-35. Jan./Mar.1951. 8 J223
- 88395 MUAN, P. Farm management studies in South Trøndelag 1949-50. (In Norwegian.) Landbruksstidende 57:245-247. Mar.28,1951. 11 L236
- 88396 MULLINS, T. Farm management aspect of variety selection in rice production in Louisiana. La. Rur. Econ. 13(3):3,6-8. Aug.1951. 281.8 L93
- 88397 NAGEL. Lehrling, lehrherr, landwirtschaft. Bad. Landwirt. Wchnbl. 118:373. June 16,1951. 18 B142
- Youth in farming.
- 88398 NEW MEXICO. COMMISSIONER OF PUBLIC LANDS. Report for the thirty-eighth fiscal year beginning July 1, 1949—ending June 30, 1950. Santa Fe,1951? 15 p. 252.59 P96B
- 88399 NORCROSS, G. C. Warren families farm partners; Blanchard and Richardson own and operate farm together and lick labor problems. New Eng. Homestead 124(17):32-33. Sept.8,1951. 6 N442
- 88400 REEDER, N. Is farming fun? A farmer who obviously enjoys his work calls attention to some of the pleasant duties that are part of his regular routine. Hoard's Dairyman 96:682,695. Sept.10,1951. 44.8 H65
- 88401 SAINT-QUENTIN, M. Fermes-pilotes et villages-témoins. Rustica 24:711,715. Aug.5,1951. 14 R92
- France.
- 88402 SALTRØE, T. Is farming without livestock possible as a permanent type of farming. (In Norwegian.) Norsk Landbr. 17:123-124. Mar.30,1951. 11 N8122
- 88403 SAUNDERSON, M. H. Ranch business management. Amer. Cattle Prod. 33(4):24-26. Sept.1951. 49 P94
- 88404 SCHILLER, O. Rejoinder to Professor Brandt's critical appraisal of O. Schiller's "Farming co-operative. Land Econ. 27:256-259. Aug.1951. 282.8 J82
- 88405 SCHWARTZ, S. Small herd makes money. Hoard's Dairyman 96:676. Sept.10,1951. 44.8 H65
- Farm management.
- 88406 SINKS, A. H. They found a forgotten frontier; the farmers who established Virginia's tidewater Menonite Colony traveled East instead of West to build prosperity in two generations on land that had been "worn out" by tobacco and cotton. Country Gent. 121(9):34-35, 127-130. Sept.1951. 6 C833

- 88407 STEDEN, A. Die betriebsformen und betriebsgrößen der österreichischen landwirtschaft. Agr. Rundschau 6:1-6. Summer 1951. 280.8 Ag82
- 88408 STORZ, H. Massnahmen zur erzeugungssteigerung im bauernbetrieb. Württemb. Wehnl. f. Landwirt. 118:888-889. (Cont.) Aug.25,1951. 18 W96
- 88409 TANDON, B. Towards progress: Anipur Village helps itself. Indian Farming (n.s.)1(1/2):10-11, 25. Apr./May 1951. 22 In283
- Farming in the village and the attitude of the farmers.
- 88410 TANGANYIKA. DEPT. OF LANDS AND MINES. Annual report, 1949. Dar es Salaam, 1951. 148 p. 282.9 T15A
- Includes reports of the Land and Land Settlement Divisions.
- 88411 TARNVIK, N. Farms in Västerbotten awarded prizes. (In Swedish.) Västerbotten 1:3-6. Feb.1950. 11 V442
- 88412 THOMSON, H. H. Peasant farming project in the Eastern Province of Northern Rhodesia. Community Devlpmt. B. 2:48-51. June 1951. 275.8 M33
- 88413 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Your part in the family farm's future, by C. J. McCormick, M. L. Wilson, and M. E. Bliss. Washington, 1951. 3 p. 1.914 R2R11
- 88414 WALMSLEY, R. C. Rural estate management; bibliography and appendix of addresses. London, Estates Gaz., 1951. 46 p. 282.171 W16Ab
- 88415 WALMSLEY, R. C. Rural estate management; cumulative supplement. London, Estates Gaz., 1951. unpagd. 282.171 W16A
- 88416 WEBB, G. Five prospering families on 160 acres. Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(7):19,36. July 1951. 6 P945G
- Whole-farm planning.
- 88417 WESTERMARCK, N. The human factor and success in farming. Acta Agr. Scand. 1:123-152. 1951. 11 Ac82
- 88418 WHITLOCK, R. From milk to beef in Devon; present-day needs cause a reversion to traditional farming practice in one of our best cattle-fattening areas. Field 198:104-105. July 21, 1951. 10 F45
- 88419 WILLIAMS, A. C. Efficiency pays a bonus. Farm Mech. 3:342-344. Sept.1951. 58.8 B772
- Applied farm economics on a dairy farm.
- 88420 ZIMMERMAN, C. Want to keep your son on the farm? Capper's Farmer 62(9):64,79. Sept.1951. 6 M693

Bookkeeping and Records

- 88421 BOSLEY, D. R. In livestock financing the old Western tradition still flourishes, but something has been added. It's all in the record. Mont. Farmer-Stockman, Aug.1,1951:64,66. 6 M764
- 88422 BOTMAN, J. Eenvoudig en practisch landbouwboekhouden; concentratie methode [Simple and practical agricultural bookkeeping; concentric method]. Ed. 5. E. L. T. O. Serie 4A, 163 p. 1950. 12 EL8
- 88423 HARTLEY, C. W. S. Potatoes do need time-sheets. Farmers Wk. [London] 35(8):47. Aug.24,1951. 10 F2226
- Farm accounting.
- 88424 HOWELL, H. B. Looking at farm records, 1950. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 6:22-24. Aug.1951. 275.28 I094
- 88425 TORRICO ARIAS, R. A. La contabilidad en las explotaciones agropecuarias. Agr. Venezol. 15(147):41-42. Oct./Nov.1950. 9.95 Ag8

Costs and Returns

- 88426 BAPTIST, A. G., and VERKINDEREN, A. Investigation about the economic situation of farms in Belgium 1949-1950. (In Flemish.) Gent. Landbhogesch. Meded. 15:802-879. Dec.1950. 105.1 G344
- English summaries.
- Pt. II, Prices, by A. Verkinderen.
- 88427 BRATTON, C. A. Lewis County young farmers balance their 1950 farm accounts. N. Y. Agr. Col. A. E. 775,15 p. Apr.1951. 281.9 C81
- Costs and returns.
- 88428 BYERS, G. B. Lower cost in quality milk production by reducing labor and investment facilities. (Abs.) Assoc. South. Agr. Workers. Proc. 48:19-20. 1951. 4 C82
- 88429 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fresno County chicken meat study, 1951, by R. Houck. Berkeley?1951. 6 p. 275.29 C12En
- Costs and returns.

- 88430 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fresno County dairy management study, 1950, by B. B. Burlingame and E. A. Yearly. Berkeley?1951. 15 p. 275.29 C12En
- Costs and returns included.
- 88431 CARPENTER, E. M. Costs of breeding and rearing calves and yearlings from Galloway and cross-bred herds in Northumberland 1949-50. King's Col. Farm Econ. Br. Rpt. G. 37,25 p. Apr.1951. 281.9 K61
- 88432 CLEMENTI, F. American poultry raising and specialized poultry raising. (In Italian.) Allevatore 7(17):3-4; (20):3. Apr.29,May 20,1951. 49 AL55
- Costs and returns.
- 88433 EDER, J. Let the sows compete with the cows. (In Swedish.) Västerbotten 5/6:137-138. Nov.1950. 11 V442
- Returns.
- 88434 ESKELAND, A. The economics of raising sheep and milk production. (In Norwegian.) (Excerpts.) Norsk Landbr. 17:134-136. Mar.30,1951. 11 N3122
- 88435 HOLSTRÖM, S. The new farm calculation. (In Swedish.) Lantmannen 35:259-261. Mar.31,1951. 11 L234
- Costs and returns.
- 88436 HUGHES, C. E. What's your chance with a beef-cow herd? Successful Farming 49(9):52-53,158-161,164-167. Sept.1951. 6 Su12
- Farming on low-priced land and on high-priced land.
- 88437 KAHNITZ, S. Schwankungen von 100 Proz. und mehr bei den milcherzeugungskosten. Unser Milchvieh 3(6):1-2. June 1951. 43.8 Un7
- 88438 KOOPTE, M. So steht es um die gemüsebauern! Deut. Landwirt. Presse 74:213. Aug.4,1951. 18 D482
- Costs and returns.
- 88439 LANDBOUW-ECONOMISCH INSTITUUT. Is the estimation of cost price of milk reliable? (In Dutch.) Alg. Nederland. Zuivelbond. Off. Orgaan 43:69-71. Feb. 7,1951. 44.9 AL3
- 88440 LANDBOUW-ECONOMISCH INSTITUUT. Statistiek van de bedrijfsuitkomsten in de landbouw over het jaar 1949/'50 [Statistics of farming results for the year 1949/'50]. 's-Gravenhage, 1951. 15 p. 259 N384
- Costs and returns.
- 88441 LEIBFRIED, E. Härten für schwerbeschädigte landwirte; die durchführung des Bundesversorgungsgesetzes vom 20. dezember 1950. Württemb. Wehnl. f. Landwirt. 118:642-643. Aug.11,1951. 18 W96
- Income determination for small farms.
- 88442 MANCHESTER. UNIVERSITY. AGRICULTURAL ECONOMICS DEPT. Potato costs, North-Western Province 1950 crop. Manchester. U. Agr. Econ. Dept. B. 64, 15 p. July 1951. 10 V66
- 88443 MORALES, J. O., KEEPER, W. E., and GOMEZ Q., F. Estudio económico de fincas cafeteras. Rev. Cafetera de Colombia 10:3559-3567. Mar.1951. 68.28 R32
- 88444 MORRISON, E. M., and KEARL, W. G. Cost and efficiency of producing canning corn in Cache County Utah, 1949. Utah. Agr. Expt. Sta. B. 348,24 p. June 1951. 100 Ut1
- 88445 MULLER, Ist entenzucht rentabel? Osterr. Kleintierzüchter 9/10:947. May 1951. 49 Os7
- 88446 NANNESSON, L. Profitableness of agriculture; the bookkeeping year 1949-50. (In Swedish.) Lantmannen 35:296-298. Apr.14,1951. 11 L234
- Sweden.
- 88447 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Financial results of Northern Ireland farming 1949/50. II. Type of farm. North. Ireland. Min. Agr. Mon. Rpt. 26:110-112. Aug.1951. 256.13 Ag82M
- Costs and returns.
- 88448 ONTARIO DEPT. OF AGRICULTURE. FARM ECONOMICS BR. Early potato cost study, 1950. Ontario Crop Impr. Assoc. Addresses & Proc. 13:130-132. 1951. 64.9 On83
- 88449 PATTERSON, H. L., and WIGHT, R. S. Late potato production costs. Ontario Crop Impr. Assoc. Addresses & Proc. 13:124-129. 1951. 64.9 On83
- 88450 PERSSON, C. J. Does it pay to raise beef cattle? (In Swedish.) Lantmannen 35:343-344. Apr.28, 1951. 11 L234
- Sweden.
- 88451 SAAR, J. Möglichkeit und grenzen der kostensenkung in der milchwirtschaft. Osterr. Milchwirt. 6:183-185. July 7,1951. 44.8 Os72
- 88452 SAVAGE, Z. Citrus production costs for 1950-51. Citrus Mag. 13(13):14-15. Sept.1951. 80 C498

88453 SEGERROS, S. A. Why not grow carrots in Västerdalarna? (In Swedish.) Lantbrtidskr. f. Dalarna 2:54-55. Apr. 1951. 11 L29

Chiefly on returns.

88454 SURFACE, B. Money to drink. Sealtest Dairy-man 5(4):11. July/Aug. 1951. 44.8 Sel
Calf feeding costs.

88455 SVARDSTROM, K. F. Farm returns and international competition. (In Swedish.) (Sum.) Lantbrtidskr. f. Dalarna 6:194-196. Dec. 1950. 11 L29

88456 ULRIK, P., and POULSEN, G. Raising broilers. (In Danish.) Dansk Landbr. 70:261-262. June 7, 1951. 280.28 V91

Returns.

88457 WILLIAMS, H. M. Problem: how to sell consumers better fryers—and more—for less. U. S. Egg & Poultry Mag. 57(9):15-16, 23-24, 26-27. Sept. 1951. 286.85 Eg3

88458 WINNIGSTEDT. Produktionskostenberechnungen. Neue Mitt. f. die Landwirt. 6:300-301. May 12, 1951. 18 N39

88459 WURZ, K. Die produktionskosten der milch. Agr. Rundschau 6:20-30. Summer 1951. 280.8 Ag32
Austria.

Land Settlement and Colonization

88460 BESA VICUÑA, E. Destaca la importancia de la obra colonizadora. Agrario 15(424):4-5, 32. May 1951. 9.3 Ag85

Chile.

88461 GRANOTT, A. Land and development; summary of the past; guide for the future. Israel & Middle East 23:76-77, 90. July/Aug. 1951. 286.8 P172

88462 JOSEPH TAL, G. Technique of mass absorption; homes and jobs for immigrants; melting-pot of homeland. Israel & Middle East 23:61-67. July/Aug. 1951. 286.8 P172

88463 MOURAGUES, A. L'économie de l'Afrique Occidentale Française et la démographie dynamique. Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(2):126-130. 1951. 515 C762C

Includes settlement program.

88464 SOUTHERN RHODESIA. LAND SETTLEMENT BOARD. Annual report for the year ended 31st December, 1950. Salisbury, 1951. 16 p. 282.29 R34

Land Tenure

88465 ALONSO, J. A. A. Situación legal del arrendatario incapacitado para el cultivo personal. Agricultura [Madrid] 20:354-355. July 1951. 15 Ag84

88466 BONSER, H. J. Impacts on land tenure on agriculture and industry in the South. (Abs.) Assoc. South. Agr. Workers. Proc. 48:16-17. 1951. 4 C82

88467 DARBY, B. T. Tied, tenanted and certified. Farmer & Stock-Breeder 65(3224):35, 37. Aug. 7, 1951. 10 F228

Proposal in Great Britain to abolish the cottage certificate system.

88468 EISNER, F. C. Limitación de la propiedad rural en la ley agrícola 1947 de Gran Bretaña. Uruguay. Inst. Nac. de Colon. B. Anexo 2(16):1-3. May 1951. 282.29 Ur8

88469 FÉLICE, P. DE. Prix du blé et fermage. Nord Agr. 7(40/41):7. Aug. 11/18, 1951. 14 N75

France.

88470 FÉLICE, P. DE. Terres logés. Nord. Agr. 7(30):6. May 25, 1951. 14 N75

Legal aspects of leasing in France.

88471 FRAUENDORFER, S. Die neue italienische agrarreform und ihre vorgeschichte. Agr. Rundschau 6:42-51. Summer 1951. 280.8 Ag32

88472 GANES, L. Propriétés rurales baillées à fermé (art. 69 de la loi de finances du 24 mai 1951). Agr. Prat. 115:330. July 1951. 14 J82

France.

88473 HALLER, W. Grenzvermessungen nach der katastermappe. Kärntner Bauer 101:307-308. June 1, 1951. 19 K14

88474 HUTCHINSON, J. 750 acres without a foreman. Farmers Wk. [London] 35(9):47, 49. Aug. 31, 1951. 10 F2226

Relationship between the master and the men on a farm in Hampshire.

88475 JUGLART, M. DE. Les réformes qui s'imposent en vue de mieux assurer la transmission intégrale des exploitations rurales dans les partages. Rev. de Lég. Agr. 4:97-100. (Cont.) June 1951. 281.8 R325

France.

88476 KALLBRUNNER, H. Die flurbereinigung—eine existenzfrage der landwirtschaft. Pflug 4:84-86. 19 P48
Apr. 1951. 19 P48

Austria.

88477 KRISTJANSON, B. H., and VOELKER, S. W. Legal aspects of renting farms in North Dakota. N. Dak. Agr. Expt. Sta. B. 368, 17 p. June 1951. 100 N813

88478 KUO-CHÜN, C. Current agrarian reform policies in Communist China. Amer. Acad. Polit. & Social Sci. Ann. 277:113-123. Sept. 1951. 280.9 Am34

88479 LINDSTROM, K. Pioneer life on the junker estates. (In Danish.) Husmandshjemmet 20:1, 5. May 15, 1951. 11 H963

Land expropriation and subdivision of land in Germany.

88480 MASPETIOL, R. Les interventions administratives prévues par le statut du fermage et du métayage. Rev. de Lég. Agr. 4:104-107. June 1951. 281.8 R325

France.

88481 MASSOT, R. Le remembrement. Rev. de Lég. Agr. 4:108-110, 123. June 1951. 281.8 R325

France.

88482 MISKIN, A. B. Land registration. Sudan Notes & Rec. 31:274-286. Dec. 1950. 515 Su2

88483 MUNTINGA, J. E. Land and lease questions. (In Dutch.) Groninger Landbbl. 29(30):1. July 28, 1951. 12 G892

88484 NATIONAL ASSOCIATION OF REAL ESTATE BOARDS. Roster, July 1, 1951. n.p., 1951. 34 p. 225 In73

88485 NIELSEN, G. Den forsagte husmand og praemiehusmanden [The dispirited tenant farmer and prize tenant farmer]. Odense, Andelsbogtrykkeriet, 1950. 118 p. Ref. 281.173 N55

88486 NUNN, J. H. Livestock fitted into tenant system. Prog. Farmer, Ga.-Ala.-Fla. Ed. 66(9):15, 136. Sept. 1951. 6 P945G

88487 OHASHI, I. Consideration on new evolving aspect of Chinese agrarian reform in the year 1950. (In Japanese.) Nogyo Sogo Kenkyu 5:140-180. Jan. 1951. 22.5 N687

English summary, p. 8-11.

88488 OLERICH, E. Do you own your land? Iowa State Watersheds B. 2:16. June 1951. 290.8 Io9

88489 OTEYZA, L. G. DE. La concentración parcelaria en Francia. Siembra [Madrid] 7(6):17-20. June 1951. 15 Si1

88490 PLANJE, J. P. The redistribution of land use. (In Dutch.) Pacht 11:194-205. July 1951. 282.8 P11

Consolidation of holdings in the Netherlands with particular reference to leased farms.

88491 RAUP, P. M. The Wisconsin conference on world land tenure problems: background and setting. Land Econ. 27:205-212. Aug. 1951. 282.8 J82

88492 RICCHIONI, V. An oasis in a latifundian region. (In Italian.) Riv. di Econ. Agr. 6:151-179. 1951. 281.8 R52

English summary.

Land reform.

88493 SCHEUER, Um eine gerechte pachtregelung. Landwirt. Z. der Nord-Rheinprov. 118:478. June 2, 1951. 18 L2344

88494 SCHMIDAK, O. Die kenntlichmachung der grenzsteine. Pflug 4:93. Apr. 1951. 19 P48

Austria.

88495 SCHOBEL, A. Die mittelalterliche grundherrschaft und der freie bauer. Agr. Rundschau 6:38-41. Summer 1951. 280.8 Ag82

88496 STRANDKJAER, N. Land reforms in Persia. (In Danish.) Andelsbladet 52:407-411. Apr. 12, 1951. 280.28 An2

88497 THEY, R. Contribution à l'étude du contrat de m'gharsa et de son application. Feuille d'Inform. Oleicoles 21:694-702. (Concl.) First Q. 1951. 80 F432

Tunisia.

88498 THOMPSON, L. Better rented farms; people, not lease agreements, count most in renting farms. Wallaces' Farmer & Iowa Homestead 76(16):8. Aug. 18, 1951. 6 W15

88499 TIMMONS, J. F. How owners get their farms. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 6:30. Aug. 1951. 275.28 Io94

88500 YOHE, R. S. Who owns the land? Prog. Farmer, Tex. Ed. 66(9):70-71. Sept. 1951. 6 T311

Systems in effect in countries of Europe and Britain.

Land Utilization

88501 DYER, D. R. The development of geographic survey techniques for the rural land classification program of Puerto Rico. Nowest. U. Sum. Doct. Diss. 18:479-483. June/Sept. 1950. 241.8 N81

88502 MIRANTZ, M. S. Finding the right job for your land is easy. *N. J. Farm & Gard.* 22(8):22,61. Aug. 1951. 6 G162

Use of a land use capability map.

88503 OSGOOD, O. T. The land use pattern scale as a guide to land classification techniques. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:16. 1951. 4 C82

88504 PEET, H. M. The Land Subcommittee and its relation to the Department of Agriculture's comprehensive agricultural program for the Columbia Basin. Washington? *U. S. Dept. Agr.*, 1951. 6 p. 1.91 A2P34

Statement at the 46th meeting of the Columbia Basin Inter-Agency Committee in Portland, Feb. 20, 1951.

Land plan and program for the Columbia Basin.

88505 STAMP, L. D. Land use surveys with special reference to Britain. In Taylor, T. G., ed. *Geography in the twentieth century; a study of growth, fields, techniques, aims, and trends*, p.372-392. New York, Philos. Libr., 1951. 331 T21G

88506 SWEDEN. LANTMÄTERISTYRELSEN. Lantmäteri ar 1948 [Land surveying year 1948]. Stockholm, 1950. 27 p. 325.9 Sw3

Table of contents also in French.

Includes cadastral surveys.

88507 TROW-SMITH, R. What about us? *Farmer & Stock-Breeder* 65(3223):65-66. July 31, 1951. 10 F228

Reclamation of marginal land in Great Britain.

Land Values and Valuation

88508 BJERKE, K. Omsætningen og salgsprisen for landejendomme 1902-1942 [Sale and selling prices for farms, 1902-1942]. København, Nyt Nordisk Forlag, 1950. 98 p. 282.173 B53

88509 BROWN, A. G. Farm land prices up 17% over last year. *Banking* 44(3):78-81. Sept. 1951. 284.8 Am3

88510 COLLISSON, C. F. Farm lands continue upward trend; foreclosures kept at minimum. *Com. West* 102(10):9. Sept. 8, 1951. 286.8 C733

88511 METZNER. Bodenschätzung geht weiter. *Neue Mitt. f. die Landwirt.* 6:512-514. Aug. 4, 1951. 18 N39

Appraisal of land in Germany for tax purposes.

88512 SOUTHERN, J. H., and MOTHERAL, J. R. Texas farm and ranch land prices, 1950. *Tex. Agr. Expt. Sta. Prog. Rpt.* 1389,7 p. Aug. 2, 1951. 100 T31P

POPULATION

88513 DALMASSO, G. Is it possible to restrain the rural exodus? (In Italian.) *Colt. e Glor. Vinic. Ital.* 97: 209-210. July 31, 1951. 16 C72

88514 DOBKIN, E. Basic problems of Zionism; future of immigration; revival of pioneering movement. *Israel & Middle East* 23:57-60. July/Aug. 1951. 286.8 P172

88515 HERNÁNDEZ ROBREDO, L. La invasión urbana y la despoblación rural. *Siembra* [Madrid] 7(2):12-13. Feb. 1951. 15 S11

Spain.

88516 JARDIM, G. Urban and rural population. (In Portuguese.) *Rev. Bras. de Estatís.* 11:432-465. July/Sept. 1950. 251.8 R322

A statistical study.

88517 MCKAIN, W. C., JR. Retirement and the rural community. (Abs.) *J. Gerontology* 6(3,sup.):124. July 1951. 447.8 J824

Includes movement of retired people to rural areas.

88518 NELSON, L. Selectivity of migration from Minnesota farms. (Abs.) *Minn. Acad. Sci. Proc.* 16/18: 44-52. 1948-50. 500 M663

88519 SARALEGUI, M. Exodo de la población rural. *Rev. de la Fed. Rur.* (ser.3)13(32):77-85. Nov. 1950. 9.9 R322

Includes discussion.

Uruguay.

88520 SWEDEN. STATISTIKA CENTRALBYRAN. Folkmängden inom administrativa områden den 31 december 1950 av Statistiska Centralbyrån [Population dans les districts administratifs le 31 décembre 1950 par le Bureau Central de Statistique]. Stockholm, 1951. 44 p. 257.3 Sw32

Table of contents and summary in French.

88521 WALDMANN, H. Ein vorschlag; landflucht im blickfeld der gegenwart. *Allgäuer Bauernbl.* 19:329. June 14, 1951. 18 AL53

RURAL SOCIAL ORGANIZATION

88522 ANDERSON, C. A., and BOWMAN, M. J. A typology of societies. *Rur. Sociol.* 16:255-271. Sept. 1951. 281.28 R88

88523 ANDERSON, W. A. The values of rural living. VI. How to use the Rural Living Opinion Scale (short form). *N. Y. (Cornell) Agr. Expt. Sta. Rur. Sociol. P.* 23,8 p. Apr. 1950. 100 N48Cm

88524 BELCHER, J. C. Evaluation and restandardization of Sewell's socio-economic scale. *Rur. Sociol.* 16: 246-255. Sept. 1951. 281.28 R88

Application to Oklahoma farm families.

88525 BERTRAND, A. L. Agricultural mechanization and social change in rural Louisiana. *La. Agr. Expt. Sta. B.* 458,48 p. June 1951. 100 L93

88526 CASTAÑO, J. J. Algunos aspectos sociales dentro de la investigación agronómica. *Rev. Cafetera de Colombia* 10:3627-3629. June 1951. 68.28 R32

88527 LINDSTROM, D. E. A report of a study on farmers and social policy in Sweden. *Ill. Agr. Expt. Sta. RSM-25*, 29 p. Mar. 1951. 100 IL6R

88528 PEREZ DE AYALA, M. Congreso Nacional Agrario de Andalucía Occidental; problemas sociales. *Campo* [Sevilla] 10(109):13-16. (Concl.) Apr. 1951. 15 C15

88529 SPECK, F. G., and DEXTER, R. W. Utilization of animals and plants by the Micmac Indians of New Brunswick. *Wash. Acad. Sci. J.* 41:250-259. Ref. Aug. 1951. 500 W276J

88530 VAUGHN, J. K. The Tennessee rural child welfare worker and her day. *Vanderbilt U. Abs. Theses* 1949/50:153-154. 241.8 V26

Human Ecology

88531 ALEXANDER, F. D. Workshop on community development in the South. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:13-14. 1951. 4 C82

Research.

88532 BRANNAN, C. F. The measure of our works. Washington, U. S. D. A., Off. Sec., 1951. 15 p. 1.91 A2B73
Talk before the Missouri Farmers' Association, Columbia, Aug. 6, 1951, on the Missouri River Basin Agricultural Program.

88533 BROWN, W. S. Community organization boosts rural progress; how Georgia farm men and women work together. *Prog. Farmer, Carolinas-Va.* Ed. 66(9):18. Sept. 1951. 6 P945

88534 LOW, F. W., and DONAHUE, R. L. Community improvement work in Texas. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:23-24. 1951. 4 C82

Extension work.

88535 READ, M. Common ground in community development experiments. *Community Devlpmt. B.* 2: 41-47. June 1951. 275.8 M38

88536 SPURR, A. C. Better management benefits everybody. *Advn. Mangt.* 16(9):16-18. Sept. 1951. 280.8 S122

Community development in West Virginia.

Institutions

88537 AGRICULTURE in Finland. II. Advisory and educational services. *World Crops* 3:361-364. Sept. 1951. 281.8 W892

88538 ANDERSON, E. El SCIPA [Servicio Cooperativo Inter-Americano de Producción de Alimentos] y el STICA [Servicio Técnico Inter-Americano de Cooperación Agrícola] en América Central ofrecen al Perú beneficios que son retornados. *Serv. Coop. Interamer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr.* 21:23-24. Feb. 1951. 9.8 P4352

88539 ANDERSON, J. R. Vocational rehabilitation of disabled veterans. *Rur. Sociol.* 16:272-273. Sept. 1951. 281.28 R88

88540 ARANETA, S. Vocational education and cooperative movement. *Plowman* 7:98,105-106,137-140. May/June 1951. 276.8 P72

Philippines.

88541 ARBOUR, M. B. Snappy styles for your bulletin. *La. Agr. Col. Ext. P.* 1090,15 p. June 1951. 275.29 L93Ep

Formerly Extension Circular 216.

88542 ARENS, H. Bäuerin—hauswirtschaft—betriebserfolg! *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:1229. Aug. 23, 1951. 18 L2346

88543 ATKINSON, T. E. Presenting public policy information to the people of the South. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:166-167. 1951. 4 C82

- 88544 BANUELOS, M. La medicina en la aldea: el ambiente. IV. Ceres [Valladolid] 16(181):6-7. June 1, 1951. 15 C33
Spain.
- 88545 BARKER, E. Mountain craftsmen. Farmers Wk. [London] 35(5):59-60. Aug. 3, 1951. 10 F2226
Crafts in the mountain villages on the Continent.
- 88546 BAY, E. The challenge of 1951. Co. Agents Dir. 36:22. 1951. 225 O232
To extension workers.
- 88547 BECKERICH, A. La famille rurale devant l'économie moderne. Rustica 24:599. July 1, 1951. 14 R92
France.
- 88548 BERTL. Reiterfest der bauernjugend in Lassee. Landwirtschaft 15/16:233-234. Aug. 1951. 19 L235
- 88549 BLIN, H. Notre visite au Concours Général Agricole; la présentation des produits du sol fut aussi réussie que celle de l'élevage. Monit. du Prog. Agr. et Vitic. 4(154):3-4. Mar. 25, 1951. 14 M744
France.
- 88550 BURNHAM, R. Education sets sights on problems within the community. Agr. Educ. Mag. 24:55, 65. Sept. 1951. 275.8 Ag8
- 88551 CAMPBELL, R. This church pays its way; by working a farm, its 86 members support a full-time pastor. A successful answer to financial problems of country churches. Successful Farming 49(9):154, 156-157. Sept. 1951. 6 Sui2
- 88552 CARLO, S. Apropos of the Professional Agrarian Institute. (In Italian.) Colt. e Gior. Vinic. Ital. 97:210-211. July 31, 1951. 16 C72
- 88553 CHRISTENSEN, H. Teaching adult groups. Agr. Educ. Mag. 24:68. Sept. 1951. 275.8 Ag8
- 88554 COLEMAN, L. Differential contact with extension work in a New York rural community. Rur. Sociol. 16:207-216. Sept. 1951. 281.28 R88
- 88555 COPELAND, O. B. Land and Life motion picture. (Abs.) Assoc. South. Agr. Workers. Proc. 48:22-23. 1951. 4 C82
- 88556 COUNTY agents directory, thirty sixth edition, 1951. Chicago, 1951. 222 p. 225 O232
- 88557 CYR, R. Approvisionnement en eau courante et disposition des eaux d'égouts pour écoles rurales. Rev. Trimes. Canad. 37(145):3-20. Spring 1951. 470 R32
- 88558 DAVENPORT, I. Musing of material. (Abs.) Assoc. South. Agr. Workers. Proc. 48:22. 1951. 4 C82
Journalism.
- 88559 DURAN CORDOVA, J. Organización y funcionamiento de los Servicios Medicos Rurales Cooperativos. Medicina; Rev. Mex. 31:203-212. June 10, 1951. 448.8 M4693
- 88560 DYRBYE, N. Education of farm youth. (In Danish.) Dansk Landbr. 70:208-210. May 3, 1951. 280.28 V91
- 88561 ELEMA, H. M. The Royal Show in Cambridge. (In Dutch.) Boer en Tuinder 5(235):13. July 21, 1951. 12 B632
- 88562 FONDARD, L. La formation professionnelle agricole. Révell Agr. 60:179. June 15, 1951. 14 R322
France.
- 88563 FRANCISCO, D. L. Our potential home industries—what are we going to do about them? Agr. & Indus. Life 13(7):2-3, 42. July 1951. 25 Ag8
Philippines.
- 88564 FREW, J. Future of schools. Dairyland News 21(5):6-7, 14. May 1951. 280.28 W752
Wisconsin.
- 88565 GARNER, R. A. Toward quality farming programs. Agr. Educ. Mag. 24:62-64. Sept. 1951. 275.8 Ag8
- 88566 GEDDES, J. A., and FREDRICKSON, C. Cemeteries of Box Elder and Summit Counties. Utah. Agr. Expt. Sta. B. 350, 72 p. June 1951. 100 Utl
- 88567 GEITMANN, M. Gedanken um die landjugend-bildung. Landfrauenarbeit 23:178. June 9, 1951. 18 L2347
- 88568 GIRARD, H. L'exposition est une école d'observation. B. des Agr. 47(5):8-9. May 1951. 7 B872
Canada.
- 88569 GITTTLER, J. B. Problems of group relations in extension education. Rur. Sociol. 16:276-279. Sept. 1951. 281.28 R88
- 88570 HALL, D. M. Citizens, end-product of education. Co. Agent & Vo-Ag Teacher 7(5):20-21, 23. May 1951. 275.28 N213
- 88571 HALL, D. M. Why we form groups. Co. Agent & Vo-Ag Teacher 7(6):13, 24, 26. June 1951. 275.28 N213
Third in a series on program building.
- 88572 HALL, I. F. Don't put off planning your estate. Hoard's Dairyman 96:679. Sept. 10, 1951. 44.8 H65
Wills and farm transfer.
- 88573 HAMMONDS, C. Procedures and methods. Agr. Educ. Mag. 24:57, 65. Sept. 1951. 275.8 Ag8
- 88574 HAMPSHIRE, A. C. The art of the brush-maker. Country Life [London] 110:660-661. Aug. 31, 1951. 80 C83
- 88575 HARRIS, J. Improving home economics education in Germany through understanding German family life. (Abs.) Assoc. South. Agr. Workers. Proc. 48:102-103. 1951. 4 C82
- 88576 HORSTMANN, E. Gedanken zum ländlich-hauswirtschaftlichen lehrlingswesen. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:68-69. June 1951. 18 N11
Germany.
- 88577 INMAN, W. G. The southern plantation lady; an historical interpretation. Vanderbilt U. Abs. Theses 1949/50:99. 241.8 V26
- 88578 JEURINK. Hat die landarbeitslehre praktische bedeutung? Landwirtbl. Weser-Ems 98:657. July 26, 1951. 18 L2345
- 88579 JONEYBY, E. Education of the farm apprentice. (In Swedish.) Lantmannen 35:366-367. May 5, 1951. 11 L234
- 88580 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Youth marches on; the 1950 annual report of the Kansas Agricultural Extension Service Program. Kans. State Col. Agr. Ext. C. 228, 30 p. June 1951. 275.29 K13Ex
Emphasis on 4-H Club work.
- 88581 KETTUNEN, A. G. Making plans for the State 4-H show. Mich. Farmer 216:109, 136, 142. Aug. 18, 1951. 6 M58
- 88582 KIRKLAND, J. B. Agriculture in North Carolina continuous process of learning. Farmers Fed. News 31(12):10, 46. Aug. 1951. 280.28 F225
- 88583 KIRKWOOD, J. In the beginning; a series of articles dealing with the development of educational and research institutes. 16. The West of Scotland Agricultural College. Agr. Prog. 25:69-76. 1950. 10 Ag86
- 88584 KITTS, H. W. Working with farmers; some relationships of the development of programs for adults to general education. Agr. Educ. Mag. 24:66-68. Sept. 1951. 275.8 Ag8
- 88585 KLOMPE, G. J. Courses in Gelderland and Overijssel. (In Dutch.) Alg. Nederland. Zuivelbond. OM. Orgaan 43:5. Jan. 3, 1951. 44.9 AL3
Agricultural education.
- 88586 KNIGHT, S. A., JR. How we are conducting our youth program in South Carolina. (Abs.) Assoc. South. Agr. Workers. Proc. 48:34. 1951. 4 C82
- 88587 KÖPF, H. Gedanken über eine neugestaltung bäuerlicher feste. Württemb. Wchnbl. f. Landwirt. 118:667. Aug. 18, 1951. 18 W96
- 88588 KURTH, E. L. Industrial arts in rural education. Indus. Arts & Vocat. Educ. 40:275-277. Sept. 1951. 275.8 In2
- 88589 LABARTHE, E. A. Extensión agrícola: "el agente de extensión no es un innovador por imposición." Serv. Coop. Interamer. de Prod. de Aliment. Inform. del SCIPA: Ser. para los Agr. 21:25-29. Feb. 1951. 9.8 P4352
Peru.
- 88590 LAMEGO, A. Black pages of slavery in Campos. IV-V. (In Portuguese.) Bras. Acucareiro 36:465-467, 592-593. Oct.-Nov./Dec. 1950. 65.8 B73
- 88591 LAPOINTE, J. A. Nos jeunes ruraux et la moralité des villes. Terre de Chez Nous 23(18):15. June 27, 1951. 7 T27
Canada.
- 88592 LARSEN, N. P. Annual health analysis of sugar plantations in Hawaii. Plantation Health 15(3):4-9. July 1951. 448.8 P69
- 88593 LARSON, O. F., and HAY, D. G. Hypotheses for sociological research in the field of rural health. Rur. Sociol. 16:225-237. Sept. 1951. 281.28 R88
New York.
- 88594 LEON, B. J. F. DE. Filipino peasant: "foot-soldier-savior." Agr. & Indus. Life 13(7):23, 27. July 1951. 25 Ag8
- 88595 LINDSTROM, D. E. Illinois school district boundaries as recommended by county school survey committees and as voted by the people; and farmer participation on survey committees. Ill. Agr. Expt. Sta. RSM-24, 7 p. July 1950. 100 IL6R
- 88596 LINN, A. Some research findings about extension methods. Washington, U. S. Ext. Serv., 1951. 6 p. 1.913 A2So528
Prepared for Western Regional Conference, Moscow, Idaho, July 1951.

- 88597 LÖHBERG. Die landwirtschaftsschulen in Westfalen-Lippe in den Jahren 1949 und 1950. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1257-1258. Aug. 30, 1951. 18 L2346
- 88598 LÖHBERG. Die mädchenabteilungen der Landwirtschaftsschulen 1949 und 1950. Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1263. Aug. 30, 1951. 18 L2346
- 88599 LONG, E. J. Presenting agricultural policy information to the people of the South; an agricultural economist's viewpoint. (Abs.) Assoc. South. Agr. Workers. Proc. 48:164. 1951. 4 C82
- 88600 LOWERY, J. C. History of Alabama Farmer. Ala. Farmer 30(8):7,10. May 1951. 276.8 AL1
- 88601 MCDONALD, H. M. School farms in Maryland. Agr. Educ. Mag. 24:70-71. Sept. 1951. 275.8 Ag8
- 88602 MACKIE, J. Country fair—New England style. New Eng. Homestead 124(15):12-13. Aug. 11, 1951. 6 N442
- 88603 MARSH, J. Springbook Farm in Surrey is turning injured merchant sailors into farm workers; at the sign of the Plough & Anchor. Farmer & Stock-Breeder 65(3227):74-75. Aug. 28, 1951. 10 F228
- 88604 MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. 1950 extension work in Maryland; thirty-sixth annual report. College Park, 1951? 32 p. 275.29 M36
- 88605 MAYER-SCHALBURG, R. Rückblick auf Hamburg. Neue Mitt. f. die Landwirt. 6:377-378,390. June 9, 1951. 18 N39
- The fair of the Deutsche Landwirtschafts-Gesellschaft.
- 88606 MERCER, W. B. Advisory work on low-output farms. Gt. Brit. Min. Agr. Agriculture 58:205-207. Aug. 1951. 10 G79J
- 88607 MEYER, H. A. Grundsätzliches zur wirtschaftsberatung. Hannoversche Land- u. Forstwirt. Ztg. 104:483-484. (Cont.) May 26, 1951. 18 H194
- 88608 MILES, G. P. L. Shuttleworth College: a new venture. Agr. Prog. 25:109. 1950. 10 Ag86
- 88609 MOLLURA, P. Proyecto de ley de enseñanza y divulgación agrícola. Arch. Fitotéc. del Uruguay 4:167-169. 1950. 102.5 Ur8A
- 88610 MOSS, B. S. How we are conducting our youth program in Georgia. (Abs.) Assoc. South. Agr. Workers. Proc. 48:34-35. 1951. 4 C82
- 88611 MTAWALL, C. V. A health campaign in Tanganyika Territory. Community Devlpmt. B. 2:54-56. June 1951. 275.8 M38
- 88612 NEELY, W. C. The history of agricultural fairs. Shorthorn World 36(10):343-345. Aug. 10, 1951. 43.8 Sh8
- 88613 NEIDT, C. O. Factors in improving learning; the relationship of educational psychology to agricultural education. Agr. Educ. Mag. 24:53-54. Sept. 1951. 275.8 Ag8
- 88614 NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Handbook for agricultural workers. Ed. 7. Raleigh, 1951. 166 p. 275.29 N811H
- 88615 NÚÑEZ, A., and ZAFIRIADIS LORENZO, Z. El cine en la enseñanza agraria. Arch. Fitotéc. del Uruguay 4:181-191. Ref. 1950. 102.5 Ur8A
- 88616 NÚÑEZ, A. Coordinación de la enseñanza agraria. Arch. Fitotéc. del Uruguay 4:171-178. 1950. 102.5 Ur8A
- 88617 OHIO. STATE UNIVERSITY. Farmers' institutes, seventy-first announcement and seventieth annual report. Columbus, 1951. 116 p. 4 Oh3
- 88618 OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Program, 39th annual Farm and Home Week, March 19-20-21-22, 1951. Columbus, 1951. 23 p. 275.29 Oh3
- 88619 OREGON. STATE COLLEGE. FEDERAL CO-OPERATIVE EXTENSION SERV. 1952 Oregon Agricultural Conference, March 27-28-29. Oreg. State Col. Ext. C. 545,6 p.-folder. Aug. 1951. 275.29 Or32C
- 88620 OSMUNDSON, A. S. Extension activities and accomplishments, 1950. U. S. Ext. Serv., Ext. Serv. C. 473,50 p. June 1951. 1.9 Ex892Esc
- 88621 PARAMESWARAN, B. Development of cottage industries. Madras J. Co-op. 42:635-639. June 1951. 280.28 M26
- 88622 PEARSON, J. H. Specialization is not enough. Agr. Educ. Mag. 24:56,64. Sept. 1951. 275.8 Ag8
- In vocational agriculture.
- 88623 PEDERSEN, E. District consultants. (In Danish.) Dansk Landbr. 70:179-180. Apr. 12, 1951. 280.28 V91
- 88624 PHIPPS, L. J. Objectives and problem solving. Agr. Educ. Mag. 24:60,64. Sept. 1951. 275.8 Ag8
- 88625 PINTO, I. D. Agronomic education and rationalization of secondary education. (In Portuguese.) Arch. Fitotéc. del Uruguay 4:179-180. 1950. 102.5 Ur8A
- Spanish summary.
- 88626 PLAZA, M. La primera Escuela Nacional de orientación rural de la mujer. Siembra [Madrid] 7(6):23-26. June 1951. 15 S11
- 88627 PRICE, P. H., and HITT, H. L. The availability of medical personnel in rural Louisiana. La. Agr. Expt. Sta. B. 459,20 p. June 1951. 100 L93
- 88628 PROSSER, A. R. G. An experiment in community development. Community Devlpmt. B. 2:52-53. June 1951. 275.8 M38
- Gold Coast.
- 88629 QUAGLIOTTI, C. The Cesena Technical Institute for Agriculture. (In Italian.) Humus 7(6):19-21. June 1951. 16 H88
- The "G. Garibaldi" Technical Institute for Agriculture at Cesena and its educational program.
- 88630 RATIER, H. Escuela rural. Arch. Fitotéc. del Uruguay 4:193-194. 1950. 102.5 Ur8A
- 88631 REIN, W. L. Eine statistik der staatlich geprüften landwirte. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:67-68. June 1951. 18 N11
- Germany.
- 88632 RICE, J. L. The 1951 Atlantic Rural Exposition. Commonwealth 18(8):16-17. Aug. 1951. 280.8 C732
- 88633 RICHARD, C. E. Using the local situation in teaching. Agr. Educ. Mag. 24:58-59. Sept. 1951. 275.8 Ag8
- 88634 RIVOIR, V. Planificación de la enseñanza agraria, como fundamento de la racionalización de la producción agraria. Arch. Fitotéc. del Uruguay 4:195-198. 1950. 102.5 Ur8A
- 88635 ROMERO MONTERO, R. El cine y la F. A. O. Siembra [Madrid] 7(1):7-9. Jan. 1951. 15 S11
- 88636 ROSENKRANS, D. B., JR. Use of all information aids in support of State and county programs. (Abs.) Assoc. South. Agr. Workers. Proc. 48:21. 1951. 4 C82
- Extension work.
- 88637 RUSSELL, A. E. More effective home economics education by fitting family programs to family situations in the South. (Abs.) Assoc. South. Agr. Workers. Proc. 48:103-104. 1951. 4 C82
- 88638 SCHILLER, O. Die ausbildung des bauern für seine wirtschaftlichen und öffentlichen aufgaben. Württemb. Wchnbl. f. Landwirt. 118:661-662. Aug. 18, 1951. 18 W96
- 88639 SCHLUP, L. A. How are we doing in public relations? Washington, U. S. Ext. Serv., 1951. 9 p. 1.913 I2Sch3
- Talk at annual meeting of the American Association of Agricultural College Editors, Urbana, July 17, 1951.
- 88640 SCHWALBACH, J. A. Barn art; for 37 years a Wisconsin painter has decorated barns with rural scenes because he thinks barns should have character. Farm Q. 6(3):70-71,135-136. Autumn 1951. 6 F22995
- 88641 SHERMAN, C. B. Books for better crops. Better Crops Plant Food 35(6):17-19,37. June/July 1951. 6 B46
- 88642 STEDMAN, A. D. Don't lose the public's good will. Co-op Grain Q. 9(2):17-18,20-30. Summer 1951. 280.28 C7898
- 88643 STEMPLE, F. W. Vocational agriculture and general education. Agr. Educ. Mag. 24:52,59. Sept. 1951. 275.8 Ag8
- 88644 STÖCKL. Einführung der meisterprüfung bei der praktischen ausbildung zum landwirt. Nachr. f. Beratung u. Ausbild. in der Landwirt. 4:63-64. June 1951. 18 N11
- 88645 TAYLOR, H. L. A chart for studying supervised farming programs and home-farm businesses in Tennessee. Agr. Educ. Mag. 24:61,69. Sept. 1951. 275.8 Ag8
- 88646 TIDJANI, A. S. Calendrier agricole et religieux au Bas-Dahomey. Conf. Internat. des Africanistes de l'Ouest. Compt. Rend. 1(2):290-298. 1951. 515 C762C
- 88647 TOKOVOI, A. A. District agricultural fair in Cherkassy [in Kiev Region]. (In Russian.) Les i Step' 2 (12):58-59. Dec. 1950. 99.8 L565
- 88648 TROTTER, I. P. Regional education on the graduate level. (Abs.) Assoc. South. Agr. Workers. Proc. 48:50-51. 1951. 4 C82
- Southern States.
- 88649 TRULLINGER, R. W. Here's an answer to—"how good are your facts?" Co. Agents Dir. 36:28,30. 1951. 225 Of232
- Information sources and work of county agents.

88650 TURNER, G. State film library helps veterans' teachers. *Agr. Educ. Mag.* 24:54. Sept. 1951. 275.8 Ag8

88651 U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Schedule of classes, fall semester, 1951. Washington, 1951. 10 p.-folder. 1 Ag854E

88652 U. S. EXTENSION SERV. Suggested reading for extension workers; a short list of references, compiled in the Library of the U. S. Department of Agriculture. Washington? 1951. 3 p. 1.913 A2Su39

88653 WIENS, J. F. An evaluation of the public school relations in the high schools of small cities and rural communities of California. *U. South. Calif. Abs. Diss.* 1950:278-280. 1951. 241.8 Un32

88654 WILKENING, E. A. Panel discussion—presenting agricultural policy information to the people of the South: a rural sociologist's viewpoint. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:165-166. 1951. 4 C82

88655 WILSON, M. L. Rural America and the national emergency. *Co. Agents Dir.* 36:12. 1951. 225 Of232

88656 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Agricultural extension in Wisconsin; report for 1950. *Wis. Agr. Col. Ext. C.* 398,31 p. June 1951. 275.29 W75C

88657 ZIMMERS, M. Die praktische Ausbildung als Voraussetzung für den Unterrichtserfolg in der Landwirtschaftsschule. *Nachr. f. Beratung u. Ausbild. in der Landwirt.* 4:64-66. June 1951. 18 N11

88658 ZUTAYERN, O. Beratung bäuerlicher Familienbetriebe. *Neue Mitt. f. die Landwirt.* 6:387-389. June 9, 1951. 18 N39

Leadership

88659 HARDIN, C. M. "Natural leaders" and the administration of soil conservation programs. *Rur. Sociol.* 16:279-281. Sept. 1951. 281.28 R88

88660 MARSH, C. P., MARSH, M., and MAYO, S. C. Tentative hypotheses concerning designated leaders in two rural locality groups in Wake County, North Carolina. *Rur. Sociol.* 16:273-275. Sept. 1951. 281.28 R88

Rural Organizations and Movements

88661 ANDERSEN, V. The work with youth in the casting ladle. (In Danish.) *Husmandshjemmet* 24:3. June 12, 1951. 11 H963

88662 ARCO, J. L. DEL. Regimen fiscal de las cooperativas agrícolas en Francia. *Cooperación [Madrid]* 112:13-15. June 1951. 280.28 C7875

88663 BARRE, A. La coopération agricole est-elle en danger? *UNCAC Documentation* 37:1-5. Apr. 1951. 280.28 Un1

88664 BERUBE, B. Soixante années au service de l'agriculture belge. *Terre de Chez Nous* 23(18):3. June 27, 1951. 7 T27

The Boerenbond Belge.

88665 BORDABERRY, D. R. Cooperativismo. *Rev. de la Fed. Rur.* (ser.3) 13(32):69-76. Nov. 1950. 9.9 R322

Includes discussion. Uruguay.

88666 BUTLER, P. Double-barrelled F.B. job pays off in Virginia. *Nation's Agr.* 26(8):7,12. Sept. 1951. 280.82 B89

88667 CAMPBELL, W. J. A report from the Co-operative League of the U.S.A. *Rur. Electr.* 9(12):31, 48. Sept. 1951. 335.8 N21

88668 CONFEDERACION DE ASOCIACIONES RURALES DE BUENOS AIRES Y LA PAMPA. Memoria y balance 19°. ejercicio, abril 1. de 1950 a 31 de marzo de 1951. Buenos Aires, 1951. 64 p. 9 C762

88669 CO-OPERATIVE FEDERATION OF WESTERN AUSTRALIA. Minutes and report of the thirty-first annual conference held February 19th to 21st, 1951 in the Westralian Farmers Co-operative Limited Buildings, Wellington Street, Perth. Perth, 1951. 46 p. 280.28 W522

88670 COSSETTE, M. Un agronome actif, un exemple d'organisation. *B. des Agr.* 47(5):10,47. May 1951. 7 B872

Canada.

88671 DOWNS, E. The Young Farmer program is our real challenge. *Agr. Leaders' Digest* 32(8):16,18. Sept. 1951. 275.28 Am3

88672 DUGGAN, I. W. Picking directors: election time for co-ops. *Co-op Grain Q.* 9(2):56-57. Summer 1951. 280.28 C7898

88673 DURTSCHI, E. Vom VOLG [Verband Ostschweizerischer Landwirtschaftlicher Genossenschaften] und den mit seiner Tätigkeit zusammenhängenden landwirtschaftlichen Problemen. *Verband Schweiz. Konsumver. Genossensch. Jahrb.* 1951:10-14. 280.29 V583

88674 ELLIS, H. Specialists are still farmers. *Primary Prod. [Cape Town]* 27(4):29. June 15, 1951. 281.8 P93

Organization in South African agriculture.

88675 FARRELL, F. D. Kansas rural institutions. VII. Kansas Master Farmers. *Kans. Agr. Expt. Sta. C.* 274,39 p. June 1951. 100 K13S

88676 FISCHER, K. H. Genossenschaften in Südtirol. *Neue Mitt. f. die Landwirt.* 6:236-237. Apr. 14, 1951. 18 N39

88677 GARNETT, G. Farm Bureau resolutions for 1952; will be members' voice in international affairs. *Nation's Agr.* 26(8):9,17-20. Sept. 1951. 280.82 B89

88678 HILDING, A. Organization work among farmers in Gävleborg Province. (In Swedish.) *Tidskr. f. Hushållsk. och Skogsvårdsstyr. i Gävleborgs Län* 26:55-60. 1950. 11 T434

88679 ILLINOIS AGRICULTURAL ASSOCIATION. Annual report for the fiscal year Oct. 1, 1949 to Oct. 1, 1950. Chicago, 1951. 228 p. 4 IL66R

Report of the Association and related companies.

88680 KREULEN, A. W. Internally promoted activities in young (and old) organizations; conditions for healthy development. (In Dutch.) *Overijsselsch Landtbl.* 33(1617):2-3. Aug. 18, 1951. 12 Ov2

88681 KULTERER, S. Warum wieder kärntner almwirtschaftsvereine? *Allg. Bauern-Ztg.* 6(25):3. June 23, 1951. 19 K142

88682 LOWRIE, A. W. Youth holds the key. *Nulaid News* 29(4):4-5,25-27. Sept. 1951. 47.8 N917

On farmer cooperatives.

88683 LUTTRELL, C. B. Rural community organizations. *Tenn. Banker* 39(9):18-21. Sept. 1951. 284.8 T25

In Tennessee.

88684 MCCLURE, J. G. K. The Farmers Federation's 31st year. *Farmers Fed. News* 31(12):5,8,19,22-23,31,34. Aug. 1951. 280.28 F225

Cooperative.

88685 MAIER-BODE, F. W. Was will die IFAP? *Landwirt. Wchnbl. f. Westfalen u. Lippe* 108A:1151. Aug. 9, 1951. 18 L2346

International Federation of Agricultural Producers.

88686 MARION, A. L'Union Catholique des Cultivateurs. *Terre de Chez Nous* 23(15):2. June 6, 1951. 7 T27

88687 MAURITIUS. DEPT. OF CO-OPERATION. Annual report for the year ended 30th April, 1949. Port Louis, 1950. 26 p. 284.29 M44

88688 MIRA, E. La cooperativa del campo es la suma de parcelas con parcelas, constituyendo el gran latifundio. *Cooperación [Madrid]* 112:20-21. June 1951. 280.28 C7875

Spain.

88689 MÜLLER, H. Selbsterkenntnis. *Deut. Landwirt. Presse* 74:113-114. May 5, 1951. 18 D482

Self-help through farmer organizations.

88690 NORTHERN RHODESIA. DEPT. OF CO-OPERATIVE SOCIETIES. Annual report for the year 1950. Lusaka, 1951. 20 p. 280.29 R34

88691 NUNEZ, A., and ZAFIRIADIS LORENZO, Z. Clubes de trabajo agrícola. *Arch. Fitotec. del Uruguay* 4:221-226. 1950. 102.5 Ur8A

Youth movements.

88692 OREBRO LANS HUSHÅLLNINGSSÄLLSKAP. Årsskrift utgiven 1950 [Annual report of the Agricultural Society of Orebro Province published 1950]. Orebro, 1950. 165 p. 11 Or3

88693 PEDERSEN, C. Education and information work of the farm cooperative organizations. (In Danish.) *Andelsbladet* 52:439-444. Apr. 19, 1951. 280.28 An2

Denmark.

88694 PRIGENT, T. Vers un nouveau régime juridique des sociétés coopératives agricoles. *Rev. de Lég. Agr.* 4:65-69. Apr./May 1951. 281.8 R325

France.

88695 PROBASCO, K. N. Questions and answers on financing your co-op. *Ohio Farm Bur. News* 31:12-14, 31. Aug. 1951. 6 Oh34

88696 RAMIREZ DE ARELLANO, G. A. Habla un líder. *P. R. Agr. Col. Ext. Carta Mens.* 9(4):5-6. July 1951. 275.29 P96Ca

4-H Clubs in Puerto Rico.

88697 RASMUSSEN, H. Can we get new impulses from the 4-H work in U.S.A.? (In Danish.) *Husmandshjemmet* 27:3,22. July 3, 1951. 11 H963

- 88698 RASMUSSEN, H. What do I get for being a member of an agricultural association: (In Danish.) Dansk Landbr. 70:165-166. Apr. 5, 1951. 280.28 V91
- 88699 RIVERO, C. J. Acción política de la Federación Rural. Rev. de la Fed. Rur. (ser. 3) 13(32):38-43. Nov. 1950. 9.9 R322
Includes discussion.
Uruguay.
- 88700 SCHWEIZERISCHER LANDFRAUENVERBAND. Jahresbericht 1950. Geflügelhof 14:481-483. (Cont.) July 20, 1951. 47.8 G276
- 88701 SERVANTS OF INDIA SOCIETY. Report for 1950-51. Poona, 1951. 49 p. 280.9 S66
- 88702 SKINNER, G. W. Peasant organization in rural China. Amer. Acad. Polit. & Social Sci. Ann. 277:89-100. Sept. 1951. 280.9 Am34
- 88703 SMITH, L. P. F. Central co-operative organizations in Sweden. Agr. Ireland 8:179-181. Aug. 1951. 10.5 Ag8
- 88704 SVENDSEN-TUNE, S. C. The economic basis of the work with farm youth. (In Danish.) Dansk Landbr. 70:348-349. July 26, 1951. 280.28 V91
- 88705 TABLANTE, N. B. Cooperation—the farmers' hope and despair. Agr. & Indus. Life 13(7):21, 46. July 1951. 25 Ag8
Philippines.
- 88706 TESTA, J. The consolidation of the rural societies of São Paulo. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 26:378-380. May 1951. 68.29 Sa63
- 88707 UGANDA. REGISTRAR OF CO-OPERATIVE SOCIETIES. Annual report for the year ended 31st December, 1950. Entebbe, 1951. 16 p. 280.29 Ug1
- 88708 U. S. EXTENSION SERV. Program, fourth regional 4-H Club Camp, Agricultural, Mechanical, and Normal College, Pine Bluff, Arkansas, August 21-28, 1951. Washington, 1951. 23 p. 1.9 Ex892Fbp
- 88709 U. S. EXTENSION SERV. There's a job for every 4-H Club member in defense in depth. Washington, 1951. 4 p. 1.913 F3T34
- 88710 U. S. FARM CREDIT ADMIN. Publications on agricultural cooperation. U. S. Farm Credit Admin. C. A-23, rev. 25 p. Aug. 1951. 166.2 C4922
- 88711 VERBAND SCHWEIZERISCHER KONSUM-VEREINE. Genossenschaftliches Jahrbuch, 6-7, 1951. Basel, 1950-51. 2 v. 280.29 V583
Contain statistics on agricultural cooperatives.
- ### RURAL SOCIAL PSYCHOLOGY
- 88712 KIGER, J. C. Social thought as expressed in rural newspapers of middle Tennessee 1878-1898. Vanderbilt U. Abs. Theses 1949/50:34-35. 241.8 V26
- 88713 KIMBLE, G. A. Behavior strength as a function of the intensity of the hunger drive. J. Expt. Psychol. 41:341-348. Ref. May 1951. 140.8 J82
- 88714 KINGWILL, R. Moral responsibilities of farmers; importance of attitude to labour, local community and nation. Farmer's Wk. [Bloemfontein] 81:47. Aug. 15, 1951. 24 F225
In South Africa.
- ### TRADE, FOREIGN AND INTERNATIONAL
- 88715 ARANETA, S. Controls as an instrument of agricultural policy. Philippine Agr. Engin. J., First Q. 1951:18-20. 58.8 Ag88
- 88716 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Oversea trade and customs and excise revenue, 1948-49, bulletin No. 46. Canberra, 1950. 999 p. 271 Au72A
- 88717 BAEHR, H. A. The market for flour in Cuba. Nowest. Miller 246(10):24, 61. Sept. 4, 1951. 298.8 N81
- 88718 BERTHAULT, P. Les contaihers et l'exportation des agrumes. Rev. Agr. de l'Afrique du Nord 49:347. May 11, 1951. 80 R326
- 88719 BOYES, W. W. Our fresh fruit trade with Britain—selling and storage problems. Food Indus. So. Africa 4(3):33-35. July 1951. 389.8 F7372
- 88720 DALMASSO, G. World wine trade. (In Italian.) Colt. e Gior. Vinic. Ital. 97:193-195. July 15, 1951. 16 C72
- 88721 DICKENMANN, H. Welthandelsartikel getreide 1900-1950. Schweiz. Landwirt. Monatsh. 29:235-242. July 20, 1951. 17 Sch93
- 88722 ESPENSHADE, A. V. United States-Japanese commercial relations. Foreign Com. Wk. 45(2):3-4, 26. Sept. 10, 1951. 157.54 F763
- 88723 GERIGNY, P. L'importation en A.O.F. des produits marocains. Marchés Colon. 7:1429-1430. May 19, 1951. 286.8 M33
Includes agricultural products.
- 88724 GERMANY. FEDERAL REPUBLIC, 1949-. STATISTISCHES BUNDESAMT. Der aussenhandel der Bundesrepublik Deutschland. 2. Der spezialhandel nach waren (statistische nummern), juni 1951. Stuttgart, 1951. 243 p. 265 St2A
- 88725 GRANCINI, P. The importation of seed potatoes across the customs of Chiasso. (In Italian.) Not. sulle Mal. delle Pianta 14:16-19. Jan./Feb. 1951. 464.8 N84
English summary, p. 101.
- 88726 GROSSERER-SOCIETETETS KOMITE. Handelsberetning for året 1950 [Trade report for the year 1950]. København, 1951. 415 p. 287 C79
Includes agricultural products.
- 88727 HALLOT, R. Le marché des produits lainiers dans les T.O.M. [Territoires d'Outre-Mer]. Marchés Colon. 7:2043-2044. July 28, 1951. 286.8 M33
- 88728 HAMM, H. A. Die ergebnisse der zollkonferenz in Torquay. Deut. Wirtgeflügelzucht. 3:529. Aug. 4, 1951. 47.8 D483
- 88729 HAMM, H. A. Ist die Benelux-Union ein schritt auf dem wege zur "Grünen Union"? Deut. Wirtgeflügelzucht. 3:543. Aug. 11, 1951. 47.8 D483
- 88730 HAMM, H. A. Das westdeutsche ei in der EZU. Deut. Wirtgeflügelzucht. 3:486. July 7, 1951. 47.8 D483
- 88731 HAMM, H. A. Westdeutsche eiereinfuhr und liberalisierung. Deut. Wirtgeflügelzucht. 3:486-487. July 7, 1951. 47.8 D483
- 88732 HARRISON, G. Solubles—and the coffee trade. Coffee & Tea Indus. 74(9):12, 72. Sept. 1951. 389.8 Sp4
- 88733 HOMAN, J. L. West European agriculture and the dollar. (In Dutch.) Alg. Nederland. Zuivelbond. Off. Orgaan 43:117. Mar. 7, 1951. 44.9 AL3
- 88734 INOZEMTSEV, N. Situation of the rubber market. (In Russian.) Vneshn. Torg. 20(12):13-22. Dec. 1950. 286.8 F762
- 88735 JACOBSEN, A. P. Liberalization and integration of agricultural products within the Marshall countries. (In Danish.) Dansk Landbr. 70:173-174. Apr. 12, 1951. 280.28 V91
- 88736 JHA, L. K. A half-century of textile exports. Indian Cotton Textile Indus. 1950:39-40. 304.8 In22
- 88737 KUNTZE, S. Ergebnisse in Torquay bei den zollverhandlungen. Weinbau 6:245. June 3, 1951. 290.8 W432
- 88738 LACOSTE, R. How long can we favor our competition? To encourage foreign trade, Uncle Sam has lowered his tariffs on many farm products. Now rising imports concern American rural people. West. Farm. Life 53(16):5, 14. Aug. 15, 1951. 6 R153
- 88739 LOWE, D. N. Export or bust: why not home-grown fruit products? Fruit-Grower 2903:247-248. Aug. 16, 1951. 80 F941
Great Britain.
- 88740 MÜLLER, O. Schweizerischer käseexport; USA kontingentiert die käseinfuhren. Schweiz. Milchztg. 77:425-426. Aug. 17, 1951. 44.8 Sch92
- 88741 NORWAY. STATISTISK SENTRALBYRÅ. Norges handel, 1949. Statistikk du commerce de la Norvège pendant l'année 1949. Oslo, 1951. 478 p. 257.2 St2T
Table of contents also in French.
Includes food and agricultural products.
- 88742 OLIVERO BLANCO, C. A. Normas generales que rigen las presentaciones ante la administración nacional; exportación de productos lácteos. Indus. Lech. 33:295-296, 298-300, 302, 305-307. (Cont.) June 1951. 44.8 In26
Argentina.
- 88743 OPPENHEIMER, H. Remarks on export of vegetables. (In Hebrew.) Hassadeh 31:389. May 1951. 26 H27
Israel.
- 88744 PARRISH, E. M. U. S. trade with Latin America, first half of 1951. Foreign Com. Wk. 45(2):5, 25. Sept. 10, 1951. 157.54 F763
- 88745 PRICE, D. G. The export of British wool textiles. Wool Knowl. 2(2):11-13. Summer 1951. 304.8 W886
- 88746 ROUVEROUX, P. L'Algérie peut-elle exporter ses vins? Rev. Agr. de l'Afrique du Nord 49:276-278. Apr. 13, 1951. 80 R326
- 88747 ROUY, H. L'exportation et les prix de la viande. Action Lait. (ser. 4) 7(12):1, 6. June 30, 1951. 44.8 Ac8
France.

- 88748 SALA LLOPIS, R. Alicante y sus exportaciones agrícolas. Inform. Com. Españ. (ser.3)214:1005. June 1951. 286.8 In3
- 88749 SCAPACCINO, M. Alarming United States opposition to Italian cheese exports. (In Italian.) *Glor. di Agr.* 61:245. Aug.12/19,1951. 16 It1G
- 88750 SCHMIDT, A. Frankreichs fruchte und gemüse in der Frankfurter Grossmarkthalle. Früchte u. Gemüse Markt 3(30):16-18. July 27,1951. 286.83 F9425
- 88751 SMITH, M. G. Foreign trade helps Ohio farm income. *Ohio Farmer* 208(3):30-31. Aug.4,1951. 6 Oh3
- 88752 SONNEMANN, T. Marshallplanhilfe und volks-ernährung. *Landwirt. Z. der Nord-Rheinprov.* 118:544. June 23,1951. 18 L2344
Trade in food products.
- 88753 SOUTHERN RHODESIA. CENTRAL AFRICAN STATISTICAL OFF. TRADE DIV. Annual statement of the trade of Southern Rhodesia with British countries and foreign countries, 1950, compared with the years 1946-1949. Salisbury,1951. 269 p. 270 R3432
- 88754 STEIN, E. Der aussenhandel 1950 mit bier, hopfen und malz. II. *Brauwelt* 25:519-520. June 21,1951. 390.8 B732
Germany.
- 88755 SWERLING, B. C. Domestic control of an export industry: Cuban sugar. *J. Farm Econ.* 33:346-356. Ref. Aug.1951. 280.8 J822
- 88756 TERESHINA, V. Situation at the cotton market of capitalist countries. (In Russian.) *Vneshn. Torg.* 21(3):31-38. Mar.1951. 286.8 F762
- 88757 TORRES FILHO, A. The place of trade in the economy. (In Portuguese.) *Seleç. Agr.* 6(63):9-12. July 1951. 9.2 Se4
Brazil.
- 88758 TSIMIKALIS, A. Frankfurt und die fruchte Griechenlands. Früchte u. Gemüse Markt 3(30):21-22. July 27,1951. 286.83 F9425
- 88759 TYSSER, H. F. International fruit trade. (In Dutch.) *Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit* 5:11. Aug.10,1951. 286.28 V22
- 88760 U. S. BUR. OF AGRICULTURAL ECONOMICS. United States tariff rates on agricultural products (revised), by C. F. Wells. Washington,1951. 152 p. 1.9 Ec752T
A complete history of each rate from September 1922 to May 1951.
- 88761 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Agriculture's stake in foreign markets. I. Trends in United States agricultural exports. U. S. D. A. Agr. Inform. B. 51,35 p. May 1951. 1 Ag84Ab
U. S. Bureau of Agricultural Economics cooperating.
- 88762 VAN BREDA, N. A. Report on the Perishable Products Export Control Board for the 1951 season. *Citrus Grower* 210:11-12. July 31,1951. 80 C495
Union of South Africa.
- 88763 VASIL'eva, E., and SHTIL'MAN, P. Wheat market of the capitalist countries in 1950. (In Russian.) *Vneshn. Torg.* 21(4):14-24. Apr.1951. 286.8 F762
- 88764 VERHAGE, A. J. Export of florist's products during the first half of 1951. (In Dutch.) *Vakbl. v. de Bloemisterij* 6:249. Aug.10,1951. 80 V22
Netherlands.
- 88765 VIKTOROV, S., and MAKSIMOV, G. American plan to capture control over raw material markets. (In Russian.) *Vneshn. Torg.* 21(3):39-45. Mar.1951. 286.8 F762
- 88766 WELLMAN, H. R. Dried fruit market in Europe; survey in six countries finds outlook dim for immediate recovery of prewar level of United States exports. *Calif. Agr. [Calif. Sta.]* 5(7):2,10. July 1951. 100 C12Cag
- 88767 WERNER, G. N. Import und export von kartoffeln über den hamburger hafen. *Kartoffelwirtschaft* 4:189-190. June 1,1951. 286.83 K14
- 88769 BARRETO, L. N. Clínicas de nutrición en Estados Unidos. *Asoc. Argentina de Dietología. Rev.* 8(29/30):67-69. Jan./June 1950. 389.9 As5
- 88770 BEINERT, F. A résumé of the findings of the Iowa breakfast studies. *What's New Home Econ.* 16:158-159,162,174. Ref. Sept.1951. 321.8 W55
- 88771 BENGUA, J. M., and CANELÓN, J. L. Encuesta de alimentación en 38 familias de Upata, Estado Bolívar. *Arch. Venezol. de Nutr.* 2:69-79. June 1951. 389.8 Ar22
English summary.
- 88772 BENGUA, J. M. Encuesta alimentaria en familias de las clases obrera y media de Caracas. II. *Arch. Venezol. de Nutr.* 2:81-96. June 1951. 389.8 Ar22
English summary.
- 88773 BENGUA, J. M., PLANCHART, A., and LIENDO COLL, P. Encuesta alimentaria y nutricional en un municipio de los Andes; (la Mesa de Esnujaque, Estado Trujillo). *Arch. Venezol. de Nutr.* 2:33-48. June 1951. 389.8 Ar22
English summary.
- 88774 BORTZ, E. L. Nutritional deficiencies and premature aging. (Abs.) *J. Gerontology* 6(3,sup.):64. July 1951. 447.8 J824
- 88775 CAMP, B. Our farm children—the nation's poorest fed. *Successful Farming* 49(9):54-55,90,92-93. Sept.1951. 6 Su12
A good school-lunch program is the remedy in many rural communities.
- 88776 CAMPAGNOLI, M. Algunas consideraciones de la educación alimentaria en los Estados Unidos. *Asoc. Argentina de Dietología. Rev.* 8(29/30):58-66. Jan./June 1950. 389.9 As5
- 88777 CONGRESO DE MEDICINA SOCIAL PAN-AMERICANA, 3, 1951. Ponencias oficiales. *Arch. Venezol. de Nutr.* 2:145-184. June 1951. 389.8 Ar22
Includes papers on nutrition.
- 88778 CRONAN, M. L. Put your school lunch policies in writing. *Pract. Home Econ.* 29:333. Sept.1951. 321.8 H752
- 88779 DUNNIGAN, A. A. The school lunch contributes to the welfare of the farmer and the health of children. *Ala. Tuskegee Inst. Serv.* 15(12):14-16. July 1951. 280.8 Sc62
- 88780 GOLDSMITH, G. A. Nutritional problems of older people. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:105. 1951. 4 C82
- 88781 GONZÁLEZ PUCCINI, A., PÁEZ PUMAR, E. (HIJO), and VÉLEZ, F. Correlato de Venezuela: la alimentación en el medio rural. *Arch. Venezol. de Nutr.* 2:171-180. June 1951. 389.8 Ar22
- 88782 HAAF, D. J. TEN. La dietetica en Holanda. *Asoc. Argentina de Dietología. Rev.* 8(29/30):70-72. Jan./June 1950. 389.9 As5
- 88783 HARTOG, C. DEN. Clinical symptoms in a slight case of malnutrition. (In Dutch.) *Voeding* 12:280-281. July 15,1951. 389.8 V85
- 88784 HILL, C. Our future young men and young women. *N. I. Dept. Health. Pub. Health News* 32:315-318. Sept.1951. 449.7 N46P
Nutrition and health.
- 88785 HIPSLEY, E. H. The assessment of nutritional status. *Austral. Inst. Anat. Food & Nutr. Notes & Rev.* 8:21-30. Mar./Apr.1951. 389.9 Au73
Signs of deficiency in human beings.
- 88786 HORWITT, M. K. Comparative effects of nutritional deficiencies in old and young. (Abs.) *J. Gerontology* 6(3,sup.):105-106. July 1951. 447.8 J824
- 88787 KENT, M. R. Vegetarian food reform. *Veg. News* 20:56-59. Summer 1951. 389.8 V523
- 88788 LAYRISSE, M. Estudios preliminares del tratamiento de las anemias ferroprivas en los anquilostomosis con la asociación de hierrocobalto. *Arch. Venezol. de Nutr.* 2:125-138. Ref. June 1951. 389.8 Ar22
English summary.
- 88789 LEVENSON, S. M., and EVANS, E. I. Nutritional problems of patients with burns. *Nutr. Rev.* 9:257-260. Sept.1951. 389.8 N953
- 88790 LIENDO COLL, P., BENGUA, J. M., and JAFFE, W. La alimentación en el medio rural. *Arch. Venezol. de Nutr.* 2:145-170. June 1951. 389.8 Ar22
- 88791 LIENDO COLL, P. Datos de evaluación clínica de los estados de nutrición. *Arch. Venezol. de Nutr.* 2:5-18. June 1951. 389.8 Ar22
English summary.
- 88792 LU, G. D., and NEEDHAM, J. A contribution to the history of Chinese dietetics. *Isis* 42(127):13-20. Ref. Apr.1951. 475 Is3

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 88768 ALESSANDRINI, P. The diet in old age. (Abs.) *J. Gerontology* 6(3,sup.):55. July 1951. 447.8 J824

- 88793 MCADAMS, L. E. Teaching foods on a meal basis. *L. Pract. Home Econ.* 29:327,344. Sept.1951. 321.8 H752
- 88794 MAJOR, MRS. A., and LAWRIE, MRS. R. Nutrition. *So. Austral. Dept. Agr. J.* 54:521-522. May 1951. 23 So84
- Human nutrition.
- 88795 MORSE, F. W., JR. The nutritional status of obstetrical patients in a Connecticut clinic. (Excerpts.) *Conn. State Dept. Health. Conn. Health B.* 65:171-179. June 1951. 449.7 C76C
- 88796 MOSER, A. M. Regional cooperative research in human nutrition and foods. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:104-105. 1951. 4 C82
- 88797 MULDER, T. The dietary survey in the Irish Free State. (In Dutch.) *Voeding* 12:282-284. July 15, 1951. 389.8 V85
- 88798 MULDER, T. Post-war diet in Western Europe. (In Dutch.) *Voeding* 12:285-286. July 15, 1951. 389.8 V85
- 88799 NARANJO, C. G. DE, and PIERANGELI, R. E. Afecciones paracentales en las enfermedades endocrinas y de la nutrición. *Asoc. Argentina de Dietologia. Rev.* 8:117-122. July/Dec.1950. 389.9 As5
- 88800 THE "NUTRITION Conference." *Land News* 11(3):9-15. 1951. 279.8 L22L
- Discussion of the tenth annual Institute on Conservation, Nutrition and Health of the Friends of the Land.
- 88801 PÁEZ PUMAR, E. (HIJO), and others. Algunos aspectos nutricionales de un grupo de escolares de Caracas. *Arch. Venezol. de Nutr.* 2:97-123. Ref. June 1951. 389.8 Ar22
- P. Liendo Coll, A. Planchart, and E. Rivas Larralde, joint authors.
- English summary.
- 88802 PIERANGELI, E. D. U., and LOPEZ GIL, A. L. Estudio económico de la alimentación consumida durante el ciclo vital humano. *Asoc. Argentina de Dietologia. Rev.* 8:75-80. July/Dec.1950. 389.9 As5
- Nutritive value, quantity, and cost of foods consumed by various age groups in Argentina.
- 88803 PORTERES, R. Notes pour servir à une introduction à l'histoire de l'alimentation végétale dans les régions montagneuses forestières de l'Ouest africain (des Monts de Loma au Massif des Dans). *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(2):81-92. 1951. 515 C762C
- 88804 SAN MARTIN, A. M. DE. Profilaxis de la anorexia psíquica; tecnica y educacion alimentarias del lactante. *Asoc. Argentina de Dietologia. Rev.* 8:81-98. July/Dec.1950. 389.9 As5
- 88805 TOMS, A. An 8B foods class can teach nutrition. *Pract. Home Econ.* 29:332. Sept.1951. 321.8 H752
- 88806 TRENDTEL, F. Milchdiät bei krankheiten des menschen. *Milchwissenschaft* 6:282-285. Aug./Sept.1951. 44.8 M5933
- English summary.
- 88807 TSONGAS, A. G. Nutrition work in Greece. *F. A. O. Nutr. Studies* 7:67 p. May 1951. 389.9 F735Fan
- 88808 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Food for families with school children. *U. S. D. A. Home & Gard. B.* 13,23 p. Aug.1951. 1 Ag84Hg
- Slight revision of AIS-71.
- Includes meal planning.
- 88809 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Food for two. *U. S. D. A. L.* 306,8 p.-folder. 1951. 1 Ag84L
- Slight revision of AIS-21.
- 88810 U. S. CONGRESS. HOUSE. COMMITTEE ON EDUCATION AND LABOR. Amendments to School Lunch Act. Hearings, 82 Cong., 1st sess. on H. R. 1732; hearings held at Washington, D. C., July 31 and August 3, 1951. Washington, 1951. 30 p.
- 88811 U. S. OFF. OF EDUCATION. INTERDIVISIONAL COMMITTEE ON NUTRITION EDUCATION AND SCHOOL LUNCH. School lunch and nutrition education; some questions and answers. *U. S. Off. Educ. B.* 14,12 p. Ref. 1951. 156.3 B87
- 88812 U. S. PRODUCTION AND MARKETING ADMIN. Components of operational rations used by United States armed forces, by H. H. Moore. Washington, 1951. 22 p. 1.956 A22C73
- 88813 U. S. PRODUCTION AND MARKETING ADMIN. National school lunch program; percentage of schools and children participating fiscal year 1951. Washington, 1951. 1 p. 1.956 A2N216
- 88814 U. S. PRODUCTION AND MARKETING ADMIN. Participation of Negro children in school lunch programs. *U. S. D. A. PA-169*, 23 p. June 1951. 1 Ag84Pro

- 88815 WEDRAOGO, J., and PROST, A. Alimentation au pays Mossi. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(2):104-110. 1951. 515 C762C
- 88816 WILSON, A. M. The truth about "nutritional secrets." *Today's Health* 29(9):17,44. Sept.1951. 449.8 H993

FOOD HABITS

- 88817 JOYCE, A. T. Let's face the facts—America's changing food habits; significant trends affecting the future of the baker, the miller and the wheat farmer. *Bakers Wk.* 151(12):1a-16a. Sept.17,1951. 389.8 B172
- 88818 OLASCOAGA, J. Q. Programa nutricional. *Medicina; Rev. Mex.* 31(629,sup.):85-86. June 10,1951. 448.8 M4693

NUTRITIVE AND VITAMIN CONTENT

- 88819 AYLWARD, F. Bread and milk nutrition. *Bakers' Natl. Assoc. Rev.* 68:990-991. July 6,1951. 389.8 N214
- 88820 BENNION, E. B. Case for an enriched loaf. *Bakers' Natl. Assoc. Rev.* 68:1107. July 27,1951. 389.8 N214
- 88821 BIGGAR, H. H. Meat-protein is important in everyone's diet. *Mont. Farmer-Stockman*, Aug.1,1951: 74-75. 6 M764
- 88822 CALIMERI, M. Bread as a source of calcium in the diet. II. (In Italian.) *Arte Bianca* 6(18):3. June 21, 1951. 389.8 Ar7
- 88823 CARDON, B. P. Vitamin A. *Ariz. Cattlelog* 6(9):20-21. May 1951. 43.8 Ar42
- 88824 DEKKER, L. P. VAN DER M. Het vitamine B1-gehalte van enige inlandse tarwerassen, broodbloem en brood in Nederland. The vitamin B1 content of some varieties of home-grown wheat, bread flour and bread in the Netherlands. *Cent. Inst. v. Voedingsonderz. T. N. O. J.* 127,72 p. Ref. 1951. 389.9 Ut7
- English summary.
- 88825 DEUEL, H. J., JR. Nutritional value of soybeans and soybean products. In Markley, K. S., ed. *Soybeans and soybean products*, v. 2, p.727-786. Ref. New York, Interscience, 1951. 60.3 M34
- 88826 DUONG-HUU-TOI. Sur la présence de protophérol dans quelques fruits soudanais sauvages. *Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend.* 1(2):35-36. 1951. 515 C762C
- 88827 FELLEBERG, T. VON. Versuche über den verlust von fluor beim kochen von speisen. *Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg.* 42:267-275. 1951. 389.9 Sw6
- 88828 FREITAS, H. DE. A source of wealth in our hands. (In Portuguese.) *Seleç. Agr.* 6(63):37-38. July 1951. 9.2 Se4
- Vitamin content of foods.
- 88829 GÄRTNER, R., and ULRICH, A. Über die variabilität des nährstoffverhältnisses in der milch. *Milchwissenschaft* 6:305-309. Aug./Sept.1951. 44.8 M5933
- English summary.
- 88830 GONZALEZ-GALVAN, J. M. Valor alimenticio de las naranjas. *Campo [Sevilla]* 10(107):33. Feb.1951. 15 C15
- 88831 HAUBOLD, H. Die bedeutung des unterschiedlichen gehaltenes fettlöslicher vitamine in der mutter- und kuhmilch für die menschliche gesundhelt. *Milchwissenschaft* 6:273-278. Aug./Sept.1951. 44.8 M5933
- English summary.
- 88832 HOLMES, A. D., JONES, C. P., and TRIPP, F. Use of ascorbic acid tablets to enrich milk for infant feeding. *J. Ped.* 39(3):320-324. Ref. Sept.1951. 448.8 J8291
- 88833 JOSLIN, C. L., and BRADLEY, J. E. Study on orange juice, orange juice concentrate, and orange peel oil in infants and children. *J. Ped.* 39(3):325-329. Ref. Sept.1951. 448.8 J8291
- 88834 KELLER, H., and others. Vitaminisierte trinkmilch. *Milchwissenschaft* 6:267-271. Aug./Sept. 1951. 44.8 M5933
- O. Mrozek, H. Prenzel, and H. A. Simon, joint authors.
- English summary.
- 88835 KOLLMANN, A. Erfahrungen mit vitaminisierter milch in der fürsorgepraxis. *Milchwissenschaft* 6:266-267. Aug./Sept.1951. 44.8 M5933
- English summary.

- 88836 KÜSTER, F., and WESTHAUS, H. Ergebnisse mit D₃-angereicherter, homogenisierter Milch in drei Säuglingsheimen. *Milchwissenschaft* 6:271-272. Aug./Sept.1951. 44.8 M5933
English summary.
- 88837 MORA, C. Plantas para la salud: elogio del naranjo. *Mundo Agr.* 3(25):95. June 1951. 9 M92
Nutritive value.
- 88838 MOREAUX, R. Le miel dans l'alimentation et en thérapeutique. *Rev. de Path. Compar.* 51(624):59-85. Ref. Jan.1951. 44.8 R326
English summary.
Includes discussion.
- 88839 NAIK, K. G., SHAH, C. C., and PANDYA, H. G. Ascorbic acid content of some common fruits and vegetables available in Gujarat. I-II. Bombay. U. J. Sect. A, Phys. Sci. (n.s.)19:51-64. Ref. Mar.1951. 513 B633
I, Vitamin "C" content and their stability; II, Effect of fertilizers on vitamin C formation.
- 88840 NERI, A. Vitamin A in butter. (In Italian.) *Latte* 25:297. (Cont.) July 1951. 44.8 L35
- 88841 PIERANGELI, E. D. U., LOPEZ GIL, A. L., and JAROSLAVSKY, D. El concepto de principio crítico como base para la clasificación de los alimentos, con fines educativos. *Asoc. Argentina de Dietologia. Rev.* 8(29/30):10-16. Jan./June 1950. 389.9 As5
Classification according to nutritive value.
- 88842 PIERANGELI, E. D. U., and ROTHMAN, B. El enriquecimiento de los alimentos: criterio para el agregado de principios alimenticios a los alimentos y productos alimenticios. *Asoc. Argentina de Dietologia. Rev.* 8(29/30):3-9. Jan./June 1950. 389.9 As5
- 88843 PRAT, J. DE. La carne de cerdo, gran alimento proteínico. *Cult. Mod.* 34:164. May 1951. 15 C89
- 88844 ROBERTS, L. J. Enriched rice for Puerto Rico. *Rice J.* 54(8):9-11. Aug.1951. 59.8 R36
- 88845 RORTY, J. Tortillas, beans, and bananas. *Harper's Mag.* 203(1216):76-80. Sept.1951. 110 H23
Research in the nutritional value of Latin American food.
- 88846 SADLER, F. W. Don't scoff at rice! *Health & Soil, Summer/Autumn 1951*:43-44. 56.8 H34
Nutritive value.
- 88847 SKARD, O., and WEYDAHL, E. Ascorbic acid-vitamin C—in apple varieties. (In Norwegian.) *Norges Landbrhøgsk. Meld.* 30:477-515. Ref. 1950. 104 N762M
English summary.
- 88848 TAPP, F. C. Ice cream as a food. *Ice Cream Indus.* 28:168-170. Aug.1951. 389.8 Ic24
Nutritive value.
- 88857 COLORADO. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION SERV. List of publications for free distribution. Fort Collins, 1951. 6 p. 275.29 C71L
- 88858 COLORADO. DEPT. OF AGRICULTURE. Annual report 1949-1950. Denver, 1951. 125 p. 2 C713
- 88859 COMAR, C. L., and MCKINNEY, J. Atomic energy and your farm. *Prog. Farmer, Tex. Ed.* 66(9):86-87. Sept.1951. 6 T311
- 88860 COMAR, C. L. Radioisotope techniques. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:133. 1951. 4 C82
In biological research.
- 88861 CONFERENCE INTERNATIONALE DES AFRICANISTES DE L'OUEST, I, DAKAR. *Comptes rendus*, v. 2. Paris, 1951. 567 p. 515 C762C
- 88862 DATHE, H. Rattenbekämpfung mit Hilfe eines Waldkauzes. *Anz. f. Schädlingssk.* 24:105-106. July 1951. 421 An9
- 88863 DEERING, F. J. More efficient USDA suggested in Hoover Report; is now pending in Senate bill before Congress. *Farmer-Stockman* 54(8):10,19-20,24. Aug.1951. 6 Ok45
- 88864 DUCK, R. W. At the Massachusetts [Agricultural Experiment] Station. *Rur. New-Yorker* 101:498, 500. Aug.18,1951. 6 R88
- 88865 EIDGENÖSSISCHE AGRIKULTURCHEMISCHE ANSTALT LIEBEFELD-BERN. Bericht über die Tätigkeit in den Jahren 1949 und 1950. *Landwirt. Jahrb. der Schweiz* 65:417-442. 1951. 17 L23
- 88866 ELISHEWITZ, H. What are the potential pest control problems in an atomic-bombed community? III. *Pest Control* 19(9):22,24,26. Ref. Sept.1951. 449.8 Ex8
Rat control.
- 88867 GASELEE, J. The badger is the farmer's friend but like some other friends he can be a nuisance. *Farmers Wk. [London]* 35(9):53. Aug.31,1951. 10 F2226
- 88868 GÄVLEBORGS LÄNS HUSHÄLLNINGSSÄLLSKAP. Förvaltningsutskottets årsberättelse för 1949 [Annual report of the Gävleborg Province Agricultural Association]. Gävle, 1950. 115 p. 11 G24
- 88869 GOTLANDS LÄNS HUSHÄLLNINGSSÄLLSKAP. Årsberättelse 1950 [Annual report of the Gotland Province Agricultural Society]. Visby, 1951. 145 p. 11 G71
- 88870 GRAHAM, J. J. T. Report on economic poisons. *Assoc. Off. Agr. Chem. J.* 34:667-670. Aug.15,1951. 381 As7
- 88871 HALL, N. S. Theory and techniques involved in tracer studies. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:47-48. 1951. 4 C82
- 88872 HENRIET, J. Contribution à l'analyse des produits phytopharmaceutiques. Produits raticides à base de phosphore de zinc. *Parasitica* 7:45-54. 1951. 464.8 P21
English summary.
- 88873 HOFSTEN, C. G. VON. Chemical pesticides under discussion. (In Swedish.) *Lantmannen* 35:318-320. Apr.21,1951. 11 L234
- 88874 HURST, R. What's all this about genetics? London, 1951. 124 p. (Thrift Books, 3) 443 H942
- 88875 ILLINOIS STATE ACADEMY OF SCIENCE. Transactions, forty-third annual meeting, Rock Island, Illinois, May, 1950. Springfield, 1950. 275 p. 500 IL6
- 88876 KALMAR LÄNS NORRA HUSHÄLLNINGSSÄLLSKAP. Årsberättelse över Kalmar läns norra hushållningssällskaps verksamhet under år 1950 [Annual report of the activities of the Northern Agricultural Society of Kalmar Province during the year 1950]. Kalmar Läns Norra Hushållssk. Kvrtlskr. 11(2):53-82. 1951. 11 K12
- 88877 KESHLEAR, B. The interdependence of agriculture and industry. Iowa State Watersheds B. 2:3. June 1951. 290.8 Io9
- 88878 LA CLAIR, J. B. Report on rodenticides. *Assoc. Off. Agr. Chem. J.* 34:670-672. Aug.15,1951. 381 As7
Analysis.
- 88879 LAUKAT, G. Raubvogelbekämpfung mit Schlageisen. *Deut. Wirtgeflügelzucht.* 3:481. July 7,1951. 47.8 D483
- 88880 LYSENKO, T. D. News in science concerning a biological species. (In Russian.) *Akad. Nauk SSSR. Vest.* 21(3):66-75. Mar.1951. 511 Ak14V
- 88881 MCHUGH, T. Características del raticida concentrado unico con warfarina. *Rev. del Café* 7:15. July 1951. 8 R3295
- 88882 MALMÖHUS LÄNS HUSHÄLLNINGSSÄLLSKAP. Annual report of the Agricultural Society of Malmöhus Province for the year 1950. (In Swedish.) Malmöhus Läns Hushållssk. Kvrtlskr. 1:35-61. 1951. 11 M29

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 88849 ÄLVSBORGS LÄNS SÖDRA HUSHÄLLNINGSSÄLLSKAP. Almanack för år 1951 [Almanac of the Southern Agricultural Society of Älvsborg Province for the year 1951], v. 22. Uppsala, 1950. 163 p. 11 AL8
- 88850 ARIZONA. AGRICULTURAL EXPERIMENT STATION. Fourth annual report, economic poisons. *Ariz. Agr. Expt. Sta. Spec. B.*, 38 p. Mar.1950. 100 Ar4A
- 88851 ARNOLD, W., and STONE, W. G. Stable isotopes. (Abs.) *Assoc. South. Agr. Workers. Proc.* 48:134. 1951. 4 C82
As biological tracers.
- 88852 BÁEZ, J. R. Breve nota sobre precursores de la experimentación agrícola en el Rio de la Plata. *Arch. Fitotec. del Uruguay* 4:227-229. 1950. 102.5 Ur8A
- 88853 BERGH, H. Naturally occurring radioactivity in some organic and inorganic agricultural materials. *Norske Vidensk. Selsk. Forhandl.* 23:16-25. 1951. 502 T41F
- 88854 CARON, P. E. What do you know about thallium sulphate? *Pest Control* 19(8):18. Aug.1951. 449.8 Ex8
Rat control.
- 88855 CEYLON. DEPT. OF AGRICULTURE. Administration report for 1949. Colombo, 1951. 160 p. 22.5 C33R
- 88856 CLELAND, R. E. Biology and agriculture. *Natl. Acad. Sci. News Rpt.* 1:24-26. Mar./Apr.1951. 330.9 N21Ne

- 88883 MICHIGAN. STATE BOARD OF AGRICULTURE. Eighty-ninth annual report; and sixty-third annual report. Agricultural Experiment Station, July 1, 1949 to June 30, 1950. Lansing, 1951. 260 p. 2 M58R
- 88884 MINNESOTA ACADEMY OF SCIENCE. Proceedings, v. 16, 17, 18—1948, 1949, 1950. n.p., 1950? 168 p. 500 M663
- 88885 NORSKE VIDENSKABERS SELSKAB. MUSEET. Arsberetning for 1949 [Annual report for 1949 of the Museum of the Norwegian Science Society]. Trondhjem, 1950. 140 p. 502 T41A
- 88886 NORWAY. STATENS LANDBRUKSKJEMISKE KONTROLLSTASJON, OSLO. Melding om Statens Landbrukskjemiske Kontrollstasjon i Oslo 1950 [Report on the State Agricultural Chemical Control Station in Oslo in 1950]. Oslo, 1951. 41 p. 61.4 N83Cs
- 88887 OHIO. AGRICULTURAL EXPERIMENT STATION. Staff list. Ohio. Agr. Expt. Sta. Spec. C. 85, 8 p. Jan. 1951. 100 Oh3S
- 88888 OPARIN, A. I., and KRISS, A. E. Method of electron microscopy in biology. (Principal results of work of the Laboratory of Electron Microscopy of the Biological Science Division of the Academy of Sciences of U.S.S.R.). (In Russian.) Akad. Nauk SSSR. Vest. 21(6):64-70. June 1951. 511 Ak14V
- 88889 ST. VINCENT. AGRICULTURAL DEPT. Annual report, 1949. Kingstown, 1951. 40 p. 102 W528
- 88890 SCHULZE, K. Meine erfahrungen bei der bekämpfung der wanderratte. Höfchen-Briefe f. Wiss. u. Praxis 4:24-33. 1951. 464.8 H67
- 88891 SKARABORGS LÄNS HUSHÄLLNINGSSÄLLSKAP. Almanack år 1951 [Almanac year 1951], v. 24. Skara, 1950. 203 p. 11 Sk1A
- 88892 SPEYER, W., and GASOW, H. Vogelschutz und vogelabwehr. Biol. Bundesanst. Braunschweig. Flugbl. C 16, 11 p. Jan. 1951. 464.9 B833
- 88893 STARR, D. F., FERGUSON, P., and SALMON, T. N. Toxicity of allethrin to rats. Chem. Specialties Mfr. Assoc. Off. Proc. 36:59-60. June 1950. 307.9 C42
- 88894 U. S. AGRICULTURAL RESEARCH ADMIN. A brief statement of some of the current activities of the Bureau of Entomology and Plant Quarantine of the Agricultural Research Administration with respect to defense against biological warfare affecting animals and crops. Washington? 1951. 2 p. 1.98 B76
- 88895 U. S. DEPT. OF AGRICULTURE. Preliminary statement and recommendations pertaining to a national program for conservation of agricultural resources. Washington? 1951. 28 p. 1.90 A2P12
- 88896 U. S. DEPT. OF AGRICULTURE. LIBRARY. Bibliographic style; a manual for use in the Division of Bibliography of the Library. U. S. D. A. Bibliog. B. 16, 30 p. June 1951. 1 Ag84Bi
- 88897 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. TECHNICAL COLLABORATION BR. Semi-annual list of publications. Washington, 1951. 4 p. 1.943 Se5
- 88898 WILLIAMS, C. B. Diversity as a measurable character of an animal or plant population. Ann. Biol. 55:129-141. Ref. Feb. 1951. 442.8 An7
- Includes discussion.
An ecological study.
- 88899 ZIRKLE, C. Gregor Mendel & his precursors. Isis 42:97-104. Ref. June 1951. 475 Is3

HISTORY AND BIOGRAPHY

- 88900 ALSTON, A. H. G. Alfred James Wilmott (1888-1950). Watsonia 2:63-69. June 1951. 450 W33
- Includes list of his publications.
- 88901 BALL, M. History and the land; the well-being of our country has always been tied up in the prosperity of home agriculture. Farmer & Stock-Breeder 65(3226): 84. Aug. 21, 1951. 10 F228
- Great Britain.
- 88902 BRONSART, V. Heinrich von Döring. Allg. Forstz. 6:342. Aug. 22, 1951. 99.8 AL52
- 88903 BUCHHOLZ, E. Der begründer der "konzentrationshiebe" zum tod von Prof. [M.E.] Tkatschenko. Holz-Zentbl. 77:586. Apr. 24, 1951. 99.81 H742
- 88904 CAMPBELL, M. S. Alfred James Wilmott. Watsonia 2:69-70. June 1951. 450 W33
- Also in Scot. Nat. 63:71-72. Spring 1951. 410 Sco3
- 88905 CHEVALIER, A. Sur l'existence d'une agriculture ancienne en Afrique occidentale. (Sum.) Conf. Internatl. des Africanistes de l'Ouest. Compt. Rend. 1(2): 34. 1951. 515 C762C

- 88906 CUFODONTIS, G. Wilhelm Georg Schimper, ein pionier der botanischen erforschung Athiopiens. Phytion 3:84-89. Ref. 1951. 450 P565
- 88907 EVANS, O. R. Canada's 20th century. 1. The horse and buggy days. Family Herald & Wk. Star, 82(28): 3, 11. July 12, 1951. 7 F21
- 88908 FERNANDES, C. Chronological sequence or lack of sequence of pastoral economy and agriculture in the evolution of people. (In Portuguese.) Granja [Lisboa] 10:77-80. Apr./June 1951. 15.5 G76
- 88909 FONT QUER, P. René Maire (29 mayo 1878-24 noviembre 1949). Barcelona. Inst. Bot. Collect. Bot. 2:I-II. 1950. 451 B234
- 88910 FULLER, H. J. Neil Everett Stevens, 1887-1949. Ill. State Acad. Sci. Trans. 43:265-266. 1950. 500 IL6
- 88911 GIUSTI, U. Agriculture, industry and services as stages in economic progress. (In Italian.) Riv. di Econ. Agr. 6:180-208. 1951. 281.8 R52
- English summary.
Historical.
- 88912 HOPKINS, J., and MASSEY, A. B. In memory of John Clayton, botanist of colonial Virginia. Va. J. Sci. (n.s.) 2:220, 222-224. July 1951. 470 V81
- 88913 KURIR, A. Hofrat Prof. Dr. Josef Fahringer, Braconiden-spezialist, gestorben. Anz. f. Schädlingssk. 24:109-110. July 1951. 421 An9
- 88914 MAR, C. C. H. Bornebusch; 29/1 1886-13/6 1951. (In Danish.) Dansk Skovfor. Tidsskr. 36:349-354. July 1951. 99.8 D23
- 88915 NEWTON, L. Miss V. E. Beneš. Nature [London] 168:366. Sept. 1, 1951. 472 N21
- 88916 ROBIN, F. Les quatre âges de l'agriculture. Cahiers des Ingén. Agron. 6:5-9. Second Q. 1951. 14 C112
- 88917 ROMELL, L. G. In memoriam Lars Gustaf Israel Kolmodin 14/4 1875 † 18/6 1951. (In Swedish.) Svenska Skogsvårdsför. Tidsskr. 49:225-227. 1951. 99.8 Sk5
- 88918 SCHOUTEDEN, H. Louis Burgeon. B. du Circle Zool. Congolais 22:30-32. In Rev. de Zool. et de Bot. Africaines 44(2/3). May 15, 1951. 410 R326
- 88919 TURK, F. A. Prof. Dr. Ivar Trägårdh. Ent. Mon. Mag. 87:240. Aug. 1951. 421 En86
- 88920 TUROVTSEV, M. D. V. Bogomolov [1909-1951] (In Russian.) Pochvovedenie 5:289-290. May 1951. 57.8 P34
- 88921 VELASCO, J. R. Rafael B. Espino, an obituary (1890-1951). Soil Sci. Soc. Philippines. J. 3:78. Second Q. 1951. 56.9 So35
- 88922 WATT, R. D. Some benefactors of Australian agriculture. Hawkesbury Agr. Col. J. 48:57-64. (Cont.) Apr. 30, 1951. 276.8 H31
- Historical.

HOME MANAGEMENT

- 88923 DICKERSON, L. B. Window treatment. Wash. State Col. Ext. B. 451, 16 p. Aug. 1951. 275.29 W27P
- 88924 ECKBLAD, I. Baking for the family; 4-H Baking Unit III. Wash. State Col. Ext. B. 452, 8 p. July 1951. 275.29 W27P
- 88925 ECKBLAD, I. Now you're an expert; 4-H Baking Unit IV. Wash. State Col. Ext. B. 453, 4 p. Aug. 1951. 275.29 W27P
- 88926 LINN, A. Clothing studies. Washington, U. S. Ext. Serv., 1951. 5 p. 1.913 H4C622
- Prepared for Western States Regional Conference, July 1951.
- 88927 LUSK, M. S., and DICKERSON, L. B. Color in your hands. Ariz. Agr. Col. Ext. C. 178, 10 p. June 1951. 275.29 Ar42
- 88928 REESE, M. J. Interpretation of trends in extension clothing program, Western States. Washington, U. S. Ext. Serv., 1951. 5 p. 1.913 H4In8
- Presented at the Western States Regional Extension Conference, Moscow, Idaho, July 24, 1951.
- 88929 SCHÄDER-CULLMAN, M. Observations on the objectives of the newly organized home economics boards. (In Swedish.) Västerbotten 5/6:145-147. Nov. 1950. 11 V442
- 88930 U. S. EXTENSION SERV. Extension home economists assigned to home furnishing and home improvement projects. Washington, 1951. 2 p. 1.913 H4Ex8
- 88931 U. S. EXTENSION SERV. Extension home economists assigned to home management projects. Washington, 1951. 4 p. 1.913 H4Ex81
- 88932 U. S. EXTENSION SERV. Extension specialists in clothing. Washington, 1951. 4 p. 1.913 A2Ex842

METEOROLOGY

- 88933 ALTER, J. C. Whose rain? Idaho Farmer 69:580,588. Aug.2,1951. 6 G282
Precipitation data for Utah.
- 88934 BOICE, H. G. Contracting for rain. Ariz. Cattlelog 6(9):14-16. May 1951. 43.8 Ar42
- 88935 CAPPELLO, L. Hail protection by rockets. (In Italian.) Campagna 50:91-93. June 1,1951. 16 C152
- 88936 FAUST, H. Was hat es mit dem hundertjährigen kalender auf sich? Landwirt. Wchnbl. f. Westfalen u. Lippe 108A:1064. July 19,1951. 18 L2346
Long-term weather forecasting.
- 88937 FRIGGENS, P. Did rain-makers change the weather? Farm J. 75(9):34-35,149-150. Sept.1951. 6 F2212
- 88938 GÖHRE, Witterung und bodenfeuchtigkeit im jahre 1950. Forstwirt., Holzwirt. 5:71-74. Mar.15,1951. 99.8 F7793
Germany.
- 88939 LAGOS U., J. A. Las heladas, las lluvias y los rocíos en los valles y en las vegas. Rev. de Agr. [San José] 23:207. July 1951. 8 Es1
Costa Rica.
- 88940 LAGOS U., J. A. Meteorologia agrícola. Agr. Costarricense 9:156. Apr.1951. 8 Ag895
- 88941 MARTIN, R. Panhandle farmers and ranchers disagree on merits of cloud seeding program. Farmer-Stockman 54(9):11,20,37,45. Sept.1951. 6 Ok45
- 88942 PRAMANIK, S. K., and RAO, K. N. Average maximum and minimum rainfall and temperature, and runoff based on Khosla's formula, corresponding to maximum rainfall for river catchments in India. India. Cent. Bd. Irrig. J. 7:507-522. Sept.1950. 55.9 In222C
- 88943 SHAW, R. H. You can figure your fall freeze hazard. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 6:25-26. Aug.1951. 275.28 Io94
- 88944 SOINE, O. C. Fifty years of weather in the Red River Valley. Minn. Agr. Expt. Sta. B. 408,19 p. May 1951. 100 M66
- 88945 TORREIRO, R. Como se formula el pronóstico del tiempo. Pampa Argentina 24(280):24-25. Apr.1951. 9 P19
- 88946 VAN CLUTE, J. The weatherman serves agriculture. Org. Farmer 3(2):36-39. Sept.1951. 57.8 Or3
- 88947 VILLIERS, G. D. B. DE, and PERSSE, J. A. An investigation into the precipitation intensity at Stellenbosch and Groot Drakenstein. Union So. Africa. Dept. Agr. Sci. B. 311,54 p. 1950/51. 24 So84S

PERSONNEL

- 88948 U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Incentive awards for supervisory use. U. S. D. A. Admin. Ser. 13,8 p. June 1951. 1 P432
- 88949 U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Personnel administration bibliography. Washington? 1951. 18 p. 1.917 T2P43
- 88950 U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Secretarial training guide. Washington? 1951. 15 p. 1.917 T2Se2
- 88951 U. S. RURAL ELECTRIFICATION ADMIN. Reference material on management. Washington? 1951. 9 p. 1.933 R252

RESEARCH

- 88952 ALLEN, G. N. Agricultural colleges and industry working together can solve some of the problems of the farmer. Unico Preview 6(7):7. July 1951. 280.28 Un34
- 88953 DAVIS, G. DE V. The Australian Institute of Agricultural Science (1935-1951). Austral. Inst. Agr. Sci. J. 17:105-108. June 1951. 23 Au74
- 88954 DICKSON, B. T. The development of agricultural research in Australia. Austral. Inst. Agr. Sci. J. 17:43-47. June 1951. 23 Au74
- 88955 EAST AFRICAN AGRICULTURE AND FORESTRY RESEARCH ORGANISATION. Annual report 1950. Nairobi, 1951. 57 p. 24 Ea75
- 88956 EDGENOSSISCHE LANDWIRTSCHAFTLICHE VERSUCHSANSTALT ZÜRICH-OERLIKON. Bericht über die tätigkeit pro 1949/50. Landwirt. Jahrb. der Schweiz 65:461-532. 1951. 71 L23
- 88957 GRONINGEN, NETHERLANDS. RIJKSLANDBOUWPROEFSTATION. Kort verslag van het Landbouwpreefstation en Bodemkundig Instituut T.N.O., Groningen, over 1949 [Short report of the Agricultural Experiment Station and Soil Science Institute T.N.O., Groningen, for 1949]. Groningen, 1950? 39 p. 105.2 G89

88958 HAWAII. AGRICULTURAL EXPERIMENT STATION. Stationed to serve; better living through agricultural research; 50th anniversary, 1901-1951. Honolulu, 1951. 61 p. 100 H313S

88959 INDIAN COUNCIL OF AGRICULTURAL RESEARCH. Annual report for 1949-50. Delhi, 1951. 81 p. 22 Im7

88960 LASSER, T. Estación Biológica de Rancho Grande. Agr. Venezol. 15(147):37-38. Oct./Nov.1950. 9.95 Ag8

88961 MARYLAND. AGRICULTURAL EXPERIMENT STATION. Agricultural progress through research, 63rd annual report, 1949/50. Md. Agr. Expt. Sta. B. A-62,44 p. 1950? 100 M36S

88962 MOSHER, A. T. Urgent items in a programme of agricultural research and extension. Allahabad Farm-er 25:91-94. May 1951. 22 AL5

88963 OHIO. AGRICULTURAL EXPERIMENT STATION. Farm science and practice; 69th annual report, 1949/50. Ohio. Agr. Expt. Sta. B. 705,89 p. June 1951. 100 Oh3S

88964 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Science serving agriculture. II. Biennial report, July 1, 1948, to June 30, 1950. Stillwater, 1950. 16 p. 100 Ok4

Staff, publications, and financial statement.

88965 PONAPE. AGRICULTURAL DEMONSTRATION STATION. Annual report, 1949-1950. Honolulu, Hawaii U., Agr. Ext. Serv. 1950. 34 p. 100 P77

88966 RICHTER, J. Science at work for agriculture: the Beltsville story. 5. Cotton Gln & Oil Mill Press 52(18):11-12. Sept.1,1951. 304.8 C822

88967 RODRIGUEZ ESCRIBENS, M. Los problemas de la investigacion agraria. Peru. Dir. Gen. de Com. Inform. Com. 2(13):6-7. Jan.1951. 286.9 P432

88968 ROMANOV, A. To revive the work of collective farm agricultural laboratories. (In Russian.) Les i Step' 3(2):81. Feb.1951. 99.8 L565

88969 ROTHAMSTED EXPERIMENTAL STATION. Report for 1950. St. Albans, 1951. 183 p. 103 R74Ca

88970 RYDÄ, K. A farmer should know much about much in our days; co-ordination of theory and practice in agriculture. (In Swedish.) Lantmannen 35:300,303-304. Apr.14,1951. 11 L234
Research.

88971 SLATER, SIR W. The organization of agricultural research in Great Britain. J. Sci. Food & Agr. 2: 337-341. Aug.1951. 382 So12

88972 TOPCHIEV, A. V. Fundamental results of the scientific activity and of the introduction of completed research of the Academy of Sciences of U.S.S.R. for 1950. (In Russian.) Akad. Nauk SSSR. Vest. 21(3):38-65. Mar. 1951. 511 Ak14V

88973 U. S. OFF. OF EXPERIMENT STATIONS. Report on the agricultural experiment stations, 1950, by R. W. Trullinger. Washington, 1951. 214 p. 1 Ex6

88974 WADHAM, S. M. Education in agricultural science in Australian universities. Austral. Inst. Agr. Sci. J. 17:99-104. June 1951. 23 Au74

88975 WAGENINGEN. CENTRAAL INSTITUUT VOOR LANDBOUWKUNDIG ONDERZOEK. Verslag over 1950 [Report for 1950]. Wageningen, 1951. 182 p. 281.9 W12

88976 WELCH, C. L. Agricultural research and extension in the South—a summary. (Abs.) Assoc. South. Agr. Workers. Proc. 48:13. 1951. 4 C82

STATISTICS

- 88977 GALVIS VARGAS, M. R. Porqué son necesarias las estadísticas agrícolas. Rev. Cafetera de Colombia 10:3691-3693. June 1951. 68.28 R32
- 88978 PEREZ PALACIO, P. No puede haber agricultura próspera sin estadística agrícola. Serv. Coop. Inter-amer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr. 21:64-66. Feb.1951. 9.8 P4352
- 88979 ROSI, M. Reawakening of agricultural statistics (In Italian.) Glor. di Agr. 61:248. Aug.12/19,1951. 16 ItIG
Describes a course given in Italy.
- 88980 VALDIVIESO N., N. Observaciones y apuntes de un becado. Manabí, Ecuador. Consorcio de Cent. Agr. B. 12(66):46-52. (Cont.) Apr./June 1951. 9.5 M31
Discusses Latin American agricultural statistics.
- 88981 WATSON, E. R. A review of the application of statistical techniques to wheat agronomy in Australia. West. Austral. Dept. Agr. J. (ser.2):28:1-25. Ref. Mar. 1951. 23 W52J

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

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Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Administrative Series

U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Incentive awards for supervisory use. U. S. D. A. Admin. Ser. 13,8 p. June 1951. 1 P432A

Agricultural Handbooks

U. S. PRODUCTION AND MARKETING ADMIN. Recommended specifications for standard packs, containers, and packaging materials for poultry and poultry products. U. S. D. A. Agr. Handb. 25,89 p. July 1951. 1 Ag84Ah

VIRUS diseases and other disorders with viruslike symptoms of stone fruits in North America. U. S. D. A. Agr. Handb. 10,276 p. Ref., p.252-268. Apr. 1951. 1 Ag84Ah

Revision of the Handbook of virus diseases of stone fruits in North America, by E. M. Hildebrand.

Agricultural Information Bulletins

BITTING, H. W., and BADGER, H. T. Marketing charges for apples sold in Pittsburgh, December 1949-May 1950. U. S. D. A. Inform. B. 47,27 p. June 1951. 1 Ag84Ab

DAWSON, E. H., and HARRIS, B. L. Sensory methods for measuring differences in food quality; review of literature and proceedings of conference. U. S. D. A. Agr. Inform. B. 34,134 p. Ref. Aug. 1951. 1 Ag84Ab

ELICKSON, J. C. Hail insurance on growing crops. U. S. D. A. Agr. Inform. B. 56,20 p. June 1951. 1 Ag84Ab

JONES, P. E., and THOMASON, F. G. Competitive relationships between sugar and corn sweeteners. U. S. D. A. Agr. Inform. B. 48,245 p. Ref. June 1951. 1 Ag84Ab

OTTEN, C. J., SERRA, G., and MORELL, B. M. Marketing facilities for farm and related products at San Juan, Puerto Rico. U. S. D. A. Agr. Inform. B. 60, 169 p. July 1951. 1 Ag84Ab

STARKEY, W. N., HESTER, O. C., and HERRMANN, L. F. Sales of eggs by farmers in the North Central region. U. S. D. A. Agr. Inform. B. 46,42 p. June 1951. 1 Ag84Ab

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Agriculture's stake in foreign markets. I. Trends in United States agricultural exports. U. S. D. A. Agr. Inform. B. 51,35 p. May 1951. 1 Ag84Ab

U. S. Bureau of Agricultural Economics cooperating.

Agricultural Monographs

VOLIN, L. A survey of Soviet Russian agriculture. U. S. D. A. Agr. Monog. 5,194 p. Ref. 1951. 1 Ag84Am

Bibliographical Bulletins

GOOCH, D. W. Bibliography on the marketing of livestock, meat, and meat products. U. S. D. A. Bibliog. B. 15,209 p. June 1951. 1 Ag84Bi

U. S. DEPT. OF AGRICULTURE. LIBRARY. Bibliographic style; a manual for use in the Division of Bibliography of the Library. U. S. D. A. Bibliog. B. 16, 30 p. June 1951. 1 Ag84Bi

Circulars

BENTLEY, J. R., and TALBOT, M. W. Efficient use of annual plants on cattle ranges in the California foothills. U. S. D. A. C. 870,52 p. Ref. 1951. 1 Ag84C

FINNELL, H. H. Depletion of High Plains wheatlands. U. S. D. A. C. 871,18 p. June 1951. 1 Ag84C

HAWTHORN, L. R. Cultural studies on carrot stecklings in relation to seed production. U. S. D. A. C. 877,21 p. Aug. 1951. 1 Ag84C

KIRKPATRICK, M. E., and others. Cooking quality, specific gravity, and reducing-sugar content of early-crop potatoes. U. S. D. A. C. 872,22 p. Ref. July 1951. 1 Ag84C

B. M. Mountjoy, L. C. Albright, and P. H. Heinze, joint authors.

Farmers' Bulletins

BOND, W. E. Cutting for profit in southern pine woodlands. U. S. D. A. Farmers' B. 2027,24 p. July 1951. 1 Ag84F

Supersedes Leaflet 153.

CROOKS, D. M., and KEPHART, L. W. Poison-ivy, poison-oak, and poison sumac; identification, precautions, eradication. U. S. D. A. Farmers' B. 1972, slightly rev., 30 p. July 1951. 1 Ag84F

Supersedes Farmers' Bulletin 1166.

Home and Garden Bulletins

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Food for families with school children. U. S. D. A. Home & Gard. B. 13,23 p. Aug. 1951. 1 Ag84Hg

Slight revision of AIS-71.

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Home canning of fruits and vegetables; points for success. U. S. D. A. Home & Gard. B. 8,24 p. 1951. 1 Ag84Hg

Formerly AIS-64.

Leaflets

BENNETT, C. A., and GERDES, F. L. Cotton-gin maintenance. U. S. D. A. L. 216, rev., 7 p. July 1951. 1 Ag84L

POOS, F. W. Control of the garden webworm [*Loxostege similalis*] in alfalfa. U. S. D. A. L. 304,4 p. July 1951. 1 Ag84L

Supersedes Farmers' Bulletin 944.

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Food for two. U. S. D. A. L. 306,8 p.-folder. 1951. 1 Ag84L

Slight revision of AIS-21.

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Farmhouses for the North. U. S. D. A. L. 311,4 p. June 1951. 1 Ag84L

Periodicals

AGRICULTURE decisions; decisions of the Secretary of Agriculture under the regulatory laws administered in the United States Department of Agriculture (including court decisions). Monthly. 1 Ag84Ad

AGRICULTURE in national defense. Weekly. 1.90 A5Ag86

CLIP sheet. Weekly. 1 In3A

Ceased publication with the Sept. 23, 1951 issue.

THE DAILY summary [of U. S. D. A. releases and reports]. 1.90 A2Un3

INFORMATION for the press. Irregular.

1.90 A2P92

Released by the various agencies of the Department of Agriculture.

TELEPHONE directory, U. S. Department of Agriculture. Quarterly. 1.90 A2T23

USDA. Fortnightly. 1 Ag84U

Items about the Department of Agriculture and its personnel.

Program Aid

- STALLINGS, J. H. Abstracts of recent published material on soil and water conservation. V. U. S. D. A. PA-173,66 p. June 1951. 1 Ag84Pro
- U. S. FEDERAL CROP INSURANCE CORPORATION. Whoa! times have changed. U. S. D. A. PA-179, 4 p.-folder. Sept. 1951. 1 Ag84Pro
- U. S. PRODUCTION AND MARKETING ADMIN. Participation of Negro children in school lunch programs. U. S. D. A. PA-169,23 p. June 1951. 1 Ag84Pro
- U. S. PRODUCTION AND MARKETING ADMIN. There is winter cover crop seed. U. S. D. A. PA-177, 4 p.-folder. July 1951. 1 Ag84Pro
- U. S. PRODUCTION AND MARKETING ADMIN. Tobacco at the warehouse. U. S. D. A. PA-175,4 p.-folder. June 1951. 1 Ag84Pro
- U. S. RURAL ELECTRIFICATION ADMIN. Keep your electric water system in service. U. S. D. A. PA-171,7 p. May 1951. 1 Ag84Pro

Technical Bulletins

- BACON, C. W., WENGER, R., and BULLOCK, J. F. Biochemical changes in tobacco during flue curing. U. S. D. A. Tech. B. 1032,37 p. Ref. Aug. 1951. 1 Ag84Te
- CHRISTENSEN, R. P., and MIGHELL, R. L. Interregional competition in the production of chickens and eggs. U. S. D. A. Tech. B. 1031,71 p. Ref. July 1951. 1 Ag84Te
- HOWELL, L. D. Costs of manufacturing carded cotton yarn and means of improvement; a report of the Ralph E. Loper Company, under contract, as authorized by the Research and Marketing Act. U. S. D. A. Tech. B. 1033,192 p. Aug. 1951. 1 Ag84Te

Unnumbered Publications

- PEET, H. M. The Land Subcommittee and its relation to the Department of Agriculture's comprehensive agricultural program for the Columbia Basin. Washington? U. S. Dept. Agr., 1951. 6 p. 1.91 A2P34
- Statement at the 46th meeting of the Columbia Basin Inter-Agency Committee in Portland, Feb. 20, 1951.
- U. S. DEPT. OF AGRICULTURE. The agricultural production job; a visual story showing the magnitude of the agricultural production job and the tools needed to keep abreast of the ever-increasing needs for food and fiber. Washington, 1951. 20 p. 1.90 A2Ag84
- U. S. DEPT. OF AGRICULTURE. Index-catalogue of medical and veterinary zoology. 14. Authors: S to Schweig, by A. Hassall, M. A. Doss, and J. M. Humphrey. Washington, 1951. P. 4349-4676. 1 An5Ind
- U. S. DEPT. OF AGRICULTURE. Preliminary statement and recommendations pertaining to a national program for conservation of agricultural resources. Washington? 1951. 28 p. 1.90 A2P912
- U. S. DEPT. OF AGRICULTURE. FAMILY FARM POLICY REVIEW SUBCOMMITTEE. Family farm policy review; provisional report and tentative recommendations. Compiled with the cooperation of non-governmental organizations. Washington, 1951. 121 p. 1.9 C2F21

AGRICULTURAL AND INDUSTRIAL CHEMISTRY,
BUREAU OF

- ESKEW, R. K., REDFIELD, C. S., and PHILLIPS, G. W. M. High-density, full-flavor apple juice concentrate. U. S. Bur. Agr. & Indus. Chem. AIC-315,17 p. Aug. 1951. 1.932 A2Ag82
- MCCONNELL, N. C., and PATTON, E. L. Better rosin by double-washing in gum cleaning. U. S. Bur. Agr. & Indus. Chem. AIC-311,3 p. July 1951. 1.932 A2Ag82
- TEUTON, F. L. New uses for farm products. Washington? U. S. Bur. Agr. & Indus. Chem., 1951. 13 p. 1.98 T29
- Address before the 4th Indiana Summer Agricultural Conference at Purdue University, Aug. 1 and 2, 1951.
- U. S. BUR. OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY. FRUIT AND VEGETABLE CHEMISTRY LABORATORY. List of publications with abstracts, January, 1940 - June, 1951. U. S. Bur. Agr. & Indus. Chem. AIC-313,7 p. 1951. 1.932 A2Ag82
- VAN ARSDEL, W. B. Tunnel-and-truck dehydrators, as used for dehydrating vegetables. U. S. Bur. Agr. & Indus. Chem. AIC-308,30 p. May 1951. 1.932 A2Ag82

Periodicals

- LIBRARY accessions and notes, Western Regional Research Laboratory. Monthly. Albany, Calif. 1.9321 W2L61
- LIST of principal accessions, Northern Regional Research Laboratory. Bi-monthly. Peoria. 1.9321 N2L694
- SURVEY notes, Southern Regional Research Laboratory. Irregular. New Orleans. 1.9321 S2Su7

AGRICULTURAL ECONOMICS, BUREAU OF

- STATE-FEDERAL CROP AND LIVESTOCK REPORTING SERV. Minnesota agricultural statistics, 1949-1950. St. Paul, 1951? 48 p. 1 Ec7M
- STIPPLER, H. H., and MARTIN, J. W. Tractor power on irrigated farms in southern Idaho. U. S. Bur. Agr. Econ. FM-81,116 p. July 1951. 1.941 L6F22
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Agricultural finance review, v. 13. Supplement. Washington, 1951. 17 p. 1.9 Ec78Af
- Contains a statistical appendix.
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Apple manufactures, the use of apples in cider mills, evaporators and canneries in New York State, 1937-50. Albany, 1951. 6 p. 1.942 F6Ap5
- New York State Department of Agriculture and Markets cooperating.
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Chickens raised on farms in 1951. Preliminary estimates. Washington, 1951. 2 p. 1.941 H8C434
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer preferences for selected frozen concentrated apple juice. Washington, 1951. 21 p. 1.941 P1C763
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Missouri lamb crop report, 1951. Columbia, 1951. 2 p. 1.941 S8L16
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Missouri turkey crop report, 1951. Columbia, 1951. 1 p. 1.941 H8T84
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Montana's fruit outlook August 1, 1951. Helena, 1951. 2 p. 1.941 S8F94
- U. S. BUR. OF AGRICULTURAL ECONOMICS. 1951 lamb crop report. Washington, 1951. 2 p. 1.9 Ec742La
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Production guides with comparisons; 1951 indicated crop acreages and production, with guide comparisons. Washington, 1951. 8 p. 1.941 H8In2
- U. S. Production and Marketing Administration cooperating.
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Review and outlook, naval stores. Washington, 1951. 27 p. 1.941 S2N22
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Rice, estimates of acreage, yield and production, 1949 and 1950, by counties. Washington, 1951. 5 p. 1.941 H8R36
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Shorn wool production, 1951. Washington, 1951. 2 p. 1.9 Ec742Woo
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Soybeans harvested for beans; acreage, yield, and production, 1949 and 1950, by counties for 18 principal States. Washington, 1951. 35 p. 1.941 H8So9
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Statistical handbook of agriculture in the United States, by E. M. Brooks and J. W. Kirkbride. Washington, 1951. 94 p. 1.941 H22St23
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Statistics on commercial peanuts, by seasons, 1938-39 to 1949-50; by months, 1945-46 to 1949-50, by J. A. Hicks and C. Z. Willis. Washington, 1951. 1.941 H2P317
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Stocks of vegetable seeds on June 30, 1950, 1951, and 1945-49 average. Washington, 1951. 7 p. 1.941 S8V522
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Transportation of selected agricultural commodities to leading markets by rail and motortruck, 1939-50, by E. Limmer. Washington, 1951. 42 p. 1.941 M2T68
- U. S. BUR. OF AGRICULTURAL ECONOMICS. Tree nuts; acreage, production, farm disposition, value, and utilization of sales, 1948, 1949 and 1950. Washington, 1951. 9 p. 1.941 H8N95

U. S. BUR. OF AGRICULTURAL ECONOMICS.
Turkey report. Richmond, 1951. 2 p. 1.941 H8T842
Virginia Department of Agriculture, Division of Agricultural Statistics cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS.
United States cotton statistics; 1909-49, by States.
Washington, 1951. 39 p. 1.941 H2C828

U. S. BUR. OF AGRICULTURAL ECONOMICS.
United States tariff rates on agricultural products
(revised), by C. F. Wells. Washington, 1951. 152 p.
1.9 Ec752T

Periodicals

ACREAGE and indicated production. Irregular.
Portland, Ore. 1.941 H8V5223
Issued also from Athens, Georgia.

ACREAGE and production of fall vegetables.
Monthly. Seasonal. Orlando, Fla. 1.941 H8V527

AGRICULTURAL economics research; a
journal of economic and statistical research. Quarterly.
1 Ec7Agr

AGRICULTURAL outlook digest. Monthly.
1.941 S8Ag82

AGRICULTURAL prices and news. Monthly.
Richmond. 1.941 F8Ag82

AGRICULTURAL prices; prices received and
paid by farmers, and parity prices. Monthly.
1.942 A8M58

THE AGRICULTURAL situation. Monthly.
1 Ec7Ag

AVERAGE prices received by farmers. Irreg-
ular. Fargo. 1.941 F8Av3

BROILER chick report for North Georgia com-
mercial area. Weekly. Athens. 1.941 H2B78

CANNED poultry. Monthly. 1.941 S8P86

CHECK list of publications. Monthly.
1.941 E3C41

CHICK placement in the ten-county Shenandoah
Valley area. Weekly. Richmond. 1.941 H8C433

CHICKS placed in commercial broiler areas.
Weekly. Boston. 1.941 H8C436

COMMERCIAL truck crops; acreage and indi-
cated production. Monthly. 1.941 H8V523

CONSUMER purchases of selected fresh fruits,
canned and frozen juices, and dried fruits. Monthly.
1.941 M3C762

THE COTTON situation. 8 times a year.
1.9 Ec752F

CREAMERY butter and cheese production
estimates. Monthly. 1.9 Ec742Mo
Released at Chicago.

CROP production. Monthly. 1.9 St2Cb

CURRENT developments in the farm real
estate market. 3 times a year. 1.941 L2C93

THE DAIRY situation. Monthly. 1.9 Ec7Ds

DEL-MAR-VA broiler chick report. Weekly.
College Park, Md. 1.941 S8C43

THE DEMAND and price situation. Monthly.
1.9 Ec752Pa

DEPOSITS of country banks: index numbers of
demand, time, and total deposits, selected groups of
States. Monthly. 1.941 F8D44

DRY CASEIN; estimated production and stocks,
United States. Monthly. 1.941 S8C26

ESTIMATES of livestock slaughtered. Monthly.
Austin. 1.941 S8L752

Issued also from Boise, Helena, Oklahoma City, and
Portland, Ore. Titles vary slightly.

EVAPORATED, condensed, and dry milk re-
port. Monthly. 1.9 M34Mev

FARM employment and wage rates. Irregular.
Boise. 1.941 R3F2226

THE FARM income situation. Monthly.
1.941 F8F22

FARM labor. Monthly. 1.9 Ec71Far

FARM price report. Irregular. Orlando, Fla.
1.941 F8F223

FARM wage rates. Irregular. Fargo.
1.941 F8F225

THE FATS and oil situation. Monthly.

1.9 Ec752F
THE FEED situation. 10 times a year.

1.941 S8F32

FLUID milk and cream report. Monthly.

1.9 M34M

THE FRUIT situation. 4 times a year.

1.9 Ec752F

GENERAL crop report. Monthly. Austin.

1.941 S8C887

Issued also from Athens, Boise, Columbia, Fargo,
Helena, Lansing, Oklahoma City, Orlando, and Portland,
Oreg. Titles vary slightly.

GRAIN stocks. Quarterly. Boise. 1.941 H8G76
Issued also from Helena, Portland, Ore., and Richmond
Titles vary slightly.

HATCHERY production. Monthly. 1.9 Ec724Ha

HATCHERY report. Monthly. Columbia, Mo.

1.941 S8P862

Issued also from Austin, Fargo, Helena, Oklahoma City,
Richmond, and St. Paul. Titles vary slightly.

ICE CREAM production. Monthly. 1.941 H8Ic2

Released at Chicago.

IDAHO dairy products manufactured. Irregu-
lar. Boise. 1.941 H8D144

IDAHO fruit crop prospects. Monthly.

Seasonal. Boise. 1.941 H8F944

LIQUID, frozen, and dried egg production.
Monthly. 1.941 H8Eg3

THE LIVESTOCK and meat situation. Monthly.
1.941 S8L752

LIVESTOCK slaughter by States. Monthly.

1.941 S8L755

THE MARKETING and transportation situation.
Monthly. 1.941 M8M34

MID-MONTH local market price report.

Monthly. Austin. 1.941 F8M58

MILK prices paid at creameries and cheese
factories. Monthly. 1.941 F8M59

Released at Chicago.

MISSISSIPPI farm report. Irregular. Gulfport.
1.941 S8F222

MISSOURI cotton report. Monthly. Seasonal.
Columbia. 1.941 H8C825

MISSOURI farm product prices. Monthly.
Columbia. 1.941 F8M69

MONTANA dairy products report. Irregular.
Helena. 1.941 H8D14

THE NATIONAL food situation. Quarterly.
1.941 S2F73

NAVAL stores report. Quarterly. 1.941 S8N22

NORTH Carolina dairy report. Irregular.

Raleigh. 1.941 H8D145

NORTH Carolina farm report. Semimonthly.

Raleigh. 1.941 S8Ag8

OHIO fluid milk price report. Monthly.

Columbus. 1.941 F8Oh3

OHIO monthly dairy report. Columbus.

1.941 H8D143

OKLAHOMA cotton report. Monthly. Seasonal.

Oklahoma City. 1.941 H8C824

OREGON monthly dairy report. Portland.

1.941 H8D142

PEANUTS; stocks and processing. Monthly.

1.941 M8P31

POULTRY and egg report. Monthly. Portland,

Oreg. 1.941 M8P86

THE POULTRY and egg situation. 8 times a

year. 1.9 Ec752F

PRICE report; prices paid and received by
New Jersey farmers. Irregular. Trenton. 1.941 F8P935

PRICES received and paid by Idaho farmers.

Monthly. Boise. 1.941 F8P933

PRICES received by farmers. Monthly.

Oklahoma City. 1.941 F8P934

PRODUCTION and stocks of naval stores.

Monthly. 1.932 N2M76

PRODUCTION of meat scraps and tankage.

Irregular. 1.941 S8P94

RANGE and livestock report. Monthly. Austin.

1.941 S8R16

Issued also from Boise, Fargo, Helena, Oklahoma City,
and Portland, Ore.

THE STATISTICAL summary. Monthly.

1.941 A22St2

STOCKS of evaporated and condensed milk

held by wholesale grocers. Quarterly. 1.9 Ec724S

STOCKS of feed grains. Quarterly.

1.941 S8G763

STOCKS of feed grains and rye. Quarterly.
 Fargo. 1.941 H8G764
 STOCKS of soybeans and flaxseed. Irregular.
 1.941 H8So92
 STOCKS of wheat, and feed grains. Quarterly.
 Oklahoma City. 1.941 H8G763
 STOCKS of wheat and rye. Quarterly.
 1.941 S8W562
 THE TOBACCO situation. 4 times a year.
 1.9 Ec752F
 TRUCK crop news. Semimonthly. 1.9 Ec71We
 TRUCK crop notes. Irregular. Austin.
 1.941 S8V523
 Issued also from Athens, Boise, Orlando, Portland,
 Oreg., Raleigh, Richmond, and Trenton. Titles vary
 slightly.
 TRUCK crops for commercial processing.
 Monthly; Apr.-July, semimonthly. 1.941 H8V522
 THE VEGETABLE situation. 4 times a year.
 1.9 Ec752F
 WEEKLY American cheese production report.
 1.941 S8C41
 Released at Chicago.
 WEEKLY American cheese warehouse statis-
 tics report. 1.9 M34Mc
 Released at Chicago.
 WEEKLY creamery butter production.
 1.942 D8W41
 Released at Chicago.
 WEEKLY crop and weather bulletin. Austin.
 1.941 S8C88
 Issued also from Des Moines, Helena, Minneapolis,
 Oklahoma City, Raleigh, Richmond, and St. Paul. Titles
 vary slightly.
 THE WHEAT situation. 6 times a year.
 1.9 Ec752F
 THE WOOL situation. 4 times a year.
 1.9 Ec752Ww

AGRICULTURAL RESEARCH ADMINISTRATION

U. S. AGRICULTURAL RESEARCH ADMIN.
 A brief statement of some of the current activities of the
 Bureau of Entomology and Plant Quarantine of the Agri-
 cultural Research Administration with respect to defense
 against biological warfare affecting animals and crops.
 Washington?1951. 2 p. 1.98 B76

Periodicals

WEEKLY report on research publications.
 1.98 In3

ANIMAL INDUSTRY, BUREAU OF

U. S. BUR. OF ANIMAL INDUSTRY. Meat in-
 spection service; summary of activities, fiscal year 1951.
 Washington, 1951. 12 p. 1.9 An537An

U. S. BUR. OF ANIMAL INDUSTRY. Record
 of tuberculin testing; cooperative tuberculosis eradica-
 tion work fiscal year 1951. Washington?1951. 1 p.
 1.9 An533Ra

U. S. BUR. OF ANIMAL INDUSTRY. Record
 of tuberculin testing; cooperative tuberculosis eradica-
 tion work, 1917-1951, incl. Washington?1951. 1 p.
 1.9 An533Rr

U. S. BUR. OF ANIMAL INDUSTRY. Report of
 examinations of Newcastle disease viruses from Mexico.
 Washington?1951. 2 p. 1.972 P2R29

U. S. BUR. OF ANIMAL INDUSTRY. State-
 ment of indemnity claims and averages in cooperative
 Bang's disease eradication work, fiscal year 1951.
 Washington?1951. 1 p. 1.972 A2St23

U. S. BUR. OF ANIMAL INDUSTRY. Summary
 of avian tuberculosis eradication work in cooperation
 with States, July 1950-June 1951. Washington?1951. 2 p.
 1.9 An522Sua

U. S. BUR. OF ANIMAL INDUSTRY. Supple-
 ment to hatcheries, dealers and independent flocks partic-
 ipating in the National Turkey Improvement Plan. U. S.
 Bur. Anim. Indus. A. H. D. 105(sup.2), 3 p. July 1951.
 1.9 An52AH

Periodicals

NOTICE (V. S. C.); activities of licensed
 establishments supervised by the Virus-Serum Control
 Division. Monthly. 1.9 An552N

SERVICE and regulatory announcements.
 Monthly. 1 An52An

STATEMENT of indemnity claims and averages
 in cooperative Bang's disease [brucellosis] work. Month-
 ly. 1.9 A2St23

SUMMARY of brucellosis (Bang's disease)
 control program conducted by Bureau of Animal Industry
 in cooperation with the various States. Monthly.
 1.9 An56Sua

SUMMARY of brucellosis (Bang's disease)
 work in cooperation with the various States. Monthly.
 1.9 An56Su

SUMMARY of tuberculosis eradication [in
 cattle] in cooperation with the various States. Monthly.
 1.9 An533Su

BUDGET AND FINANCE, OFFICE OF

Periodicals

DIGEST of Congressional proceedings of in-
 terest to the Department of Agriculture. Issued each day
 Congress is in session. 1.9 Ag872Dig
 For Department staff only.

COMMODITY CREDIT CORPORATION

Periodicals

ACTIVE and announced price support programs
 approved by Board of Directors, CCC. Irregular.
 1.957 Ac8

C. C. C. LOANS on cotton. Weekly. 1.957 L782
 REPORT of financial condition and operations,
 Commodity Credit Corporation. Monthly. 1.957 B18

COMMODITY EXCHANGE AUTHORITY

Periodicals

COMMITMENTS of large traders in cotton
 futures. Monthly. 1.956 C72C73

COMMODITY futures: volume of trading, open
 contracts, and prices, selected agricultural commodities,
 principal markets. Irregular. 1.9422 A8C733

CONTRACT grades of wheat and total wheat
 stocks in regular houses at Kansas City at close of
 business on designated dates. Irregular. Kansas City.
 1.945 C76

FUTURES trading and open contracts in butter,
 eggs and potatoes. Daily. Chicago. 1.945 F985

FUTURES trading and open contracts in cotton
 and cottonseed oil. Daily. New Orleans. 1.9 C73V

FUTURES trading and open contracts in cotton
 and wool tops. Daily. New York. 1.9 C73V

FUTURES trading and open contracts in cotton-
 seed meal and soybean meal (sacked). Irregular. New
 Orleans. 1.945 F984

FUTURES trading and open contracts in grain.
 Daily. Chicago. 1.9422 Co8F98

FUTURES trading and open contracts in mill-
 feeds (bran and shorts). Daily. Kansas City, Mo.
 1.945 F98

FUTURES trading and open contracts in
 potatoes, eggs, butter and rice. Daily. New York.
 1.945 F982

FUTURES trading and open contracts in soy-
 bean oil. Daily. New York. 1.945 F983

FUTURES trading and open contracts in wheat,
 corn and grain sorghums. Daily. Kansas City, Mo.
 1.9422 Co8F98K

FUTURES trading and open contracts in wheat,
 corn, oats, rye, barley, and flaxseed. Daily. Minneapo-
 lis. 1.9422 Co8F98M

MONTHLY summary of commodity futures
 statistics. 1.945 M76

"ON CALL" positions and transactions in spot
 cotton based on New York cotton futures reported by
 merchants in special account status. Weekly. 1.9 C73Un
 Issued also from New Orleans and New York.

STOCKS of grain in Federal licensed ware-
 houses (in deliverable position) at Chicago, Illinois.
 Weekly. Chicago. 1.945 St6

TRADE in cotton futures. Monthly. 1.945 T67

TRADE in grain futures. Monthly. 1.9 G76T

VOLUME of futures trading, all contract
 markets combined. Monthly. 1.945 M76

VOLUME of trading and open contracts in mill-
 feed futures as reported by clearing members of the
 Kansas City Board of Trade. Monthly. Kansas City.
 1.945 V882

VOLUME of trading [Minneapolis Grain Exchange]. Monthly. Minneapolis. 1.945 V88

DAIRY INDUSTRY, BUREAU OF

Periodicals

DAIRY herd-improvement association letter. Monthly. 1.9 DI45C

ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. List of publications of the Division of Insecticide Investigations, January 1, 1951 to June 30, 1951, by R. C. Roark. Washington, 1951. 3 p. 1.9 En866P

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of Lebanon. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 593, 3 p. Aug. 15, 1951. 1.9 F73

YULL, J. S., EATON, C. B., and ISLER, D. A. Airplane spraying for forest pest control. U. S. Bur. Ent. & Plant Quar. E-823, 21 p. Aug. 1951. 1.9 En83

YUST, H. R. Studies on improving the distribution of hydrocyanic acid in citrus fumigation. U. S. Bur. Ent. & Plant Quar. E-822, 8 p. Aug. 1951. 1.9 En83

Periodicals

COOPERATIVE economic insect report. Irregular. 1.967 A2C78

COTTON insect conditions. Weekly during season: 1.967 A2C82

INSECT pest survey; the more important insect records. Monthly during season. 1.967 A2M81

PRINTED and processed publications. Monthly. 1.967 A2P942

REVIEW of United States patents relating to pest control, by R. C. Roark. Monthly. 1.9 C4926Re

SERVICE and regulatory announcements. Irregular. 1 F31S

SPECIAL survey of fruit insects and insecticide requirements. Weekly. Seasonal. 1.967 A2St24

STATEMENT of emergency survey of truck crop insects and control requirements. Weekly. 1.967 A2St2

EXPERIMENT STATIONS, OFFICE OF

U. S. OFF. OF EXPERIMENT STATIONS. Report on the agricultural experiment stations, 1950, by R. W. Trullinger. Washington, 1951. 214 p. 1 Ex6

Periodicals

LIST of agricultural experiment stations in the United States. Irregular. 1.9 Ex6Li

EXTENSION SERVICE

BENNETT, H. G. Point 4, opportunity for Americans. Washington, U. S. Ext. Serv., 1951. 2 p. 1.913 F3P75

Excerpts from remarks before the National 4-H Club Camp, June 19, 1951, Washington, D. C.

LINN, A. Clothing studies. Washington, U. S. Ext. Serv., 1951. 5 p. 1.913 H4C622

Prepared for Western States Regional Conference, July 1951.

LINN, A. Some research findings about extension methods. Washington, U. S. Ext. Serv., 1951. 6 p. 1.913 A2So528

Prepared for Western Regional Conference, Moscow, Idaho, July 1951.

OSMUNDSON, A. S. Extension activities and accomplishments, 1950. U. S. Ext. Serv., Ext. Serv. C. 473, 50 p. June 1951. 1.9 Ex892Esc

REESE, M. J. Interpretation of trends in extension clothing program, Western States. Washington, U. S. Ext. Serv., 1951. 5 p. 1.913 H4In8

Presented at the Western States Regional Extension Conference, Moscow, Idaho, July 24, 1951.

SCHLUP, L. A. How are we doing in public relations? Washington, U. S. Ext. Serv., 1951. 9 p. 1.913 I2Sch3

Talk at annual meeting of the American Association of Agricultural College Editors, Urbana, July 17, 1951.

U. S. EXTENSION SERV. Extension home economists assigned to home furnishing and home improvement projects. Washington, 1951. 2 p. 1.913 H4Ex8

U. S. EXTENSION SERV. Extension home economists assigned to home management projects. Washington, 1951. 4 p. 1.913 H4Ex81

U. S. EXTENSION SERV. Extension specialists in clothing. Washington, 1951. 4 p. 1.913 A2Ex842

U. S. EXTENSION SERV. Program, fourth regional 4-H Club Camp, Agricultural, Mechanical, and Normal College, Pine Bluff, Arkansas, August 21-28, 1951. Washington, 1951. 23 p. 1.9 Ex892Fbp

U. S. EXTENSION SERV. Suggested reading for extension workers; a short list of references, compiled in the Library of the U. S. Department of Agriculture. Washington, 1951. 3 p. 1.913 A2Su39

U. S. EXTENSION SERV. There's a job for every 4-H Club member in defense in depth. Washington, 1951. 4 p. 1.913 F3T34

U. S. EXTENSION SERV. EXTENSION EDITOR ADVISORY COMMITTEE. Eighth annual report of the Extension Editor Advisory Committee. Washington, 1951. 8 p. 1.913 I2An7

Theme: Mobilization for defense.

Periodicals

EXTENSION service review. Monthly. 1 Ex892Ex

HOME garden and food preservation program. Irregular. 1.913 A2H753

LECTURE notes for slidefilms. Irregular. 1.9 Ex892La

TIPS and topics on retailer and consumer education in food marketing. Irregular. 1.913 A5T49

VISUALIZING. Irregular. 1.913 V2V823

FARM CREDIT ADMINISTRATION

RATCLIFFE, H. E. Some effects of marketing eggs in Ohio according to official grades. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 153, 22 p. June 1951. 166.3 M68

U. S. FARM CREDIT ADMIN. Farm mortgages recorded, 1950. Washington, 1951. 23 p. 1.955 A2F228

U. S. FARM CREDIT ADMIN. Publications on agricultural cooperation. U. S. Farm Credit Admin. C. A-23, rev., 25 p. Aug. 1951. 166.2 C4922

Periodicals

NEWS for farmer cooperatives. Monthly. 166.2 N47

QUARTERLY report of Cooperative Research Service Division. 1.955 C2W89

SUMMARY of cases relating to farmers' cooperative associations. Quarterly. 1.955 C2Su7

Prepared for the Cooperative Research and Service Division under the direction of R. J. Mischler.

FARMERS HOME ADMINISTRATION

U. S. FARMERS' HOME ADMIN. Minimum standards for planning and construction of farm irrigation systems. Washington, n.d. 18 p. 1.949 M66

U. S. FARMERS HOME ADMIN. Minimum standards for farm buildings, for use in construction with Farmers Home Administration loans. Washington, 1951. 27 p. 1.949 M66

Periodicals

MORTGAGE insurance program; statement of financial condition. Irregular. 1.949 M84

FEDERAL CROP INSURANCE CORPORATION

U. S. FEDERAL CROP INSURANCE CORPORATION. Corn loss adjustment manual for 1951 and succeeding crop years. Washington, 1951. 24 p. 1.952 L895

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. The agriculture of French Indochina. Preliminary report. Washington, 1950. 57 p. 1.943 Ag86

Prepared for the Economic Cooperation Administration.

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. The agriculture of Siam. Preliminary report. Washington? 1950. 48 p. 1.943 Ag87

Prepared for the Economic Cooperation Administration.

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. TECHNICAL COLLABORATION BR. Semi-annual list of publications. Washington, 1951. 4 p. 1.943 Se5

Periodicals

FARM machinery notes. Monthly. 1.943 F22

FOREIGN agricultural circular. FC [foreign cotton report]. Irregular. 1.943 F7626

Similar reports for all the basic commodities.

FOREIGN agricultural trade. Monthly. 1.943 F76242

FOREIGN agriculture. Monthly. 1.9 Ec7For

FOREIGN crops and markets. Weekly. 1.9 St2F

FOREIGN program letter to land-grant college contacts on foreign agricultural affairs. Weekly. 1.943 F7645

FOREIGN trade in farm machinery and supplies. Monthly. 1.943 F7646

FOREST SERVICE

BAKER, H. L., and POLI, A. Area and ownership of forest land in Trinity County, California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 9, 23 p. Apr. 1951. 1.9 F7626F

CAMPBELL, R. A. Tree grades, yields and values for some Appalachian hardwoods. U. S. Forest Serv. Southeast. Forest Expt. Sta. Paper 9, 25 p. July 1951. 1.9622 S4St2

CUNNINGHAM, R. N. Changes in forest conditions 1936-1949 north central Minnesota and Upper Peninsula of Michigan (a preliminary analysis). U. S. Forest Serv. Lake States Forest Expt. Sta. Paper 25, 20 p. July 1951. 1.9622 L2St2

FAHNESTOCK, G. R. Correction of burning index for the effects of altitude, aspect, and time of day. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 100, 4 p. June 1951. 1.9622 N3R31

FRIEDRICH, C. A. Forest fire—thunderstorm, knockout combination for watersheds. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 102, 15 p. July 1951. 1.9622 N3R31

FRIEDRICH, C. A. Suggestions for manufacture and operation of a six-inch infiltrometer ring. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 104, 3 p. July 1951. 1.9622 N3R31

JENSEN, V. S., and WILSON, R. W., JR. Mowing of northern hardwood reproduction not profitable. U. S. Forest Serv. Northeast. Forest Expt. Sta. Res. Note 3, 4 p. July 1951. 1.9622 N2N82

LUTZ, H. J. Forest fires in Alaska damage more than timber. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 5, 1 p. Apr. 1950. 1.962 A3T22

MARQUIS, R. W. Federal income and estate taxes on timber. Washington? U. S. Forest Serv., 1950. 9 p. 1.962 F4M34

Paper presented to the Forest Industries Information Committee, Ann Arbor, Nov. 10, 1950.

MERZ, R. W., and FINN, R. F. Differences in infiltration rates on graded and ungraded strip-mined lands. U. S. Forest Serv. Cent. States Forest Expt. Sta. Note 65, 2 p. Aug. 1951. 1.9 F76252S

POTTER, H. S., WEITZMAN, S., and TRIMBLE, G. R., JR. Reforestation of strip-mined lands in West Virginia. U. S. Forest Serv. Northeast. Forest Expt. Sta. Paper 43, 28 p. Ref. June 1951. 1.9622 N2St22

RETTIE, J. C. Objective and progress of the Forest Survey in the Northeast. Washington? U. S. Forest Serv., 1951. 6 p. 1.962 A2R314

Statement at the third regular meeting of the New England-New York Inter-Agency Committee, Albany, June 14, 1951.

REYNOLDS, R. R. Pulpwood production costs in southeast Arkansas, 1950. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 121, 17 p. June 1951. 1.9 F76240

ROE, A. L. Growth tables for cut-over larch—Douglas-fir stands in the Upper Columbia Basin. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Paper 30, 24 p. June 1951. 1.9622 N3St1

TAYLOR, R. F. Cubic form class volume tables for southeast Alaska. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 6, 12 p. May 1950. 1.962 A3T22

U. S. FOREST SERV. Commercial sources of forest tree seed and seedlings. Washington, 1951. 4, 8 p. 1.962 A2C732

U. S. FOREST SERV. Publications, articles, mimeographed and other releases by Range Research personnel issued in 1950. Washington, 1951. 6 p. 1.962 A2P962

U. S. FOREST SERV. State trees. Rev. Washington, 1951. 4 p. 1.962 A2L69

U. S. FOREST SERV. CALIFORNIA FOREST AND RANGE EXPERIMENT STATION. List of timber stand maps available for purchase. Berkeley, 1951. 11 p. 1.9622 C2L68

Includes a list of vegetation-soil maps available for purchase.

U. S. FOREST SERV. NORTHERN ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Publications of the Northern Rocky Mountain Forest and Range Experiment Station 1912 through 1950 U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Paper 31, 69 p. July 1951. 1.9622 N3St

U. S. FOREST SERV. ROCKY MOUNTAIN REGION. Rio Grande National Forest, Colorado. Washington? 1951. map. 1 F769R

Illustrations and text (6 p.) on back of map.

U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. Annual income possibilities from Southern Piedmont farm woodlands, by T. A. McClay. Asheville, 1951. 4 p. 1.9622 S4An73

WAKELEY, P. C. Planting the southern pines, v. 3. Plantation care. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 122:373-579. Ref., p. 429-497. June 1951. 1.9 F76240

WIKSTROM, J. H. Pole production down in 1950. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 101, 3 p. June 1951. 1.9622 N3R31

WRIGHT, J. W. Tree-breeding technique: some effects of continuous bagging. U. S. Forest Serv. Northeast. Forest Expt. Sta. Res. Note 5, 4 p. Aug. 1951. 1.9622 N2N82

ZACH, L. W. Effect of rainfall on stream flow in southeast Alaska. U. S. Forest Serv. Alaska Forest Res. Center. Tech. Note 4, 2 p. Apr. 1950. 1.962 A3T22

Periodicals

THE CARIBBEAN forester. Quarterly. Rio Piedras, P. R., Trop. Forest Expt. Sta. 1.9622 T2C23

FIRE control notes. Quarterly. 1 F766F1
NATIONAL forest monthly fire record. 1.962 A2N216

NORTHEASTERN research notes. Irregular. Upper Darby. 1.9622 N2N82

RESEARCH hi-lights, Northern Rocky Mountain Forest and Range Experiment Station. Irregular. Missoula. 1.9622 N316

SAFETY score sheet. Irregular. 1.962 A2C912

SOUTHERN forestry notes. Bimonthly. New Orleans, South. Forest Expt. Sta. 1.9 F7624S

STATE and private forestry cooperation. Fact sheet. Irregular. 1.962 A2St273

TIMBER cut on national forests by regions under sales and land exchanges. Quarterly. 1.962 A2T485

TREE planters' notes. Irregular. 1.962 C5T71

GRADUATE SCHOOL

U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Schedule of classes, fall semester, 1951. Washington, 1951. 10 p.-folder. 1 Ag854E

Periodicals

NEWSLETTER, Graduate School. Irregular. 1.984 G75

HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

Periodicals

NUTRITION committee news. Monthly.

1.982 A2N955

RURAL family living. Several times a year.

1.982 E2W26

INFORMATION, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Farm houses as farm families want them, by L. S. Thye and K. M. Gapen. Washington, 1951. 3 p. 1.941 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Grain conservation, by R. Snyder, D. G. Hall, and M. E. Bliss. Washington, 1951. 5 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The production job ahead, by C. J. McCormick, G. F. Geissler, and M. E. Bliss. Washington, 1951. 4 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Progress in brucellosis control, by B. T. Simms, A. K. Kuttler, and M. E. Bliss. Washington, 1951. 4 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Your part in the family farm's future, by C. J. McCormick, M. L. Wilson, and M. E. Bliss. Washington, 1951. 3 p. 1.914 R2R11

Periodicals

ADVANCE information for magazine food editors. Bimonthly. 1.914 A2F74

FARM mobilization fact sheet. Irregular. 1.914 A5F22

FOOD and home notes. Weekly. 1.90 A5F73

LETTER to USDA film users. Monthly. 1.914 M2T55

MONTHLY list of [Department of Agriculture] publications and motion pictures. 1 P96M

MOTION picture films of the United States Department of Agriculture. Irregular. 1.913 M3M85

PICTURE story. Irregular. 1.914 P3P58

R F D LETTER to radio farm directors. Weekly. 1.914 R2R112

USDA farm paper letter. Weekly. 1.914 A5L56

LIBRARY

Periodicals

ACCESSIONS to the library [Madison branch U. S. Dept. of Agriculture Library, Forest Products Laboratory]. Monthly. Madison. 1.9 F761A

BIBLIOGRAPHY of agriculture. Monthly. 1.916 B471

LIBRARY newsletter [Branch libraries]. Monthly. Slight differences in frequency of issue.

PERSONNEL, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Personnel administration bibliography. Washington? 1951. 18 p. 1.917 T2P43

U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Secretarial training guide. Washington? 1951. 15 p. 1.917 T2Se2

Periodicals

INFORMATION exchange. Irregular. 1.917 A2P692

PERSONNEL administration. Irregular. 1.917 A2P434

USDA club exchange. Irregular. 1.917 A2Un33

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

GILL, L. S., LEAPHART, C. D., and ANDREWS, S. R. Preliminary results of inoculations with a species of *Leptographium* on western white pine. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Forest Path. Spec. Release 35, 14 p. June 1951. 1.965 F3F76

MYERS, W. M. Grassland farming in the Netherlands. Beltsville, U. S. Bur. Plant Indus., Soils, & Agr. Engin., 1951. 3 p. 1.965 F2M99

Abstract of paper presented at meeting of the Association of Southern Agricultural Workers, Feb. 5-7, 1951, Memphis.

MYERS, W. M. Why grassland farming? Beltsville? U. S. Bur. Plant Indus., Soils & Agr. Engin., 1951. 13 p. 1.965 F2M99

Address at the Grasslands Meeting, State College, Pa., Feb. 20, 1951.

REITEMEIER, R. F., BROWN, I. C., and HOLMES, R. S. Release of native and fixed nonexchangeable potassium of soils containing hydrous mica. U. S. Bur. Plant Indus., Soils & Agr. Engin. Res. Rpt. 224, 67 p. Ref. June 26, 1951. 1.965 S4R312

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Directions for preserving leaves for decorative purposes, by P. L. Ricker. Washington? 1951? 2 p. 1.965 A2D622

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Harvesting, treating, storing, and marketing chestnuts. Beltsville, 1951. 4 p. 1.965 A2H26

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The minor or trace elements in soils, plants and animals, by W. O. Robinson. Beltsville, 1951. 9 p. 1.965 A2M66

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Proceedings, fourth annual meeting of collaborators with Soil and Fertilizer Laboratory, Feb. 26-28, 1951. Beltsville, 1951. 82 p. 1.965 A2P942

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. DIV. OF FOREST PATHOLOGY. List of available publications. Rev. Washington, 1950. 23 p. 1.965 F3L69

Periodicals

LIST of plant material introduced; Project No. 111, Research and Marketing Act of 1946. Special inventories. Irregular. 1.965 P2L693

THE PLANT disease reporter. Monthly. 1.9 P69P

Also supplements dealing with specific subjects.

PLANT inventory. Irregular. 1 P69R1

QUARTERLY report, Soil Management Section. 1.965 S2Q2

PRODUCTION AND MARKETING ADMINISTRATION

EMERY, H. J. Parity prices of milk and butterfat. Washington, U. S. Prod. & Mktg. Admin., 1951. 10 p. 1.956 D14Em3

Address, National Creameries Association annual meeting, Pequot, Minn., June 20, 1951.

KRUSE, E. F. CCC—what it is—what it does—how it benefits. Washington, U. S. Prod. & Mktg. Admin., 1950. 5 p. 1.956 A2K94

Summary of remarks before the Connecticut State PMA meeting, Farmington, Conn., Nov. 28, 1950.

U. S. PRODUCTION AND MARKETING ADMIN. The agricultural production job; a visual story showing the magnitude of the agricultural production job and the tools needed to keep abreast of the ever-increasing needs for food and fiber. Washington, 1951. 21 p. 1.956 A2Ag8232

U. S. PRODUCTION AND MARKETING ADMIN. Automatic mechanical equipment for sampling cotton bales during ginning, by G. E. Gaus and J. E. Larrison. Washington, 1951. 29 p. 1.956 C82Au8

U. S. PRODUCTION AND MARKETING ADMIN. Check list of U. S. standards issued by the Fruit and Vegetable Branch (other than for processed products). Washington, 1951. 3 p. 1.9 Ec74

U. S. PRODUCTION AND MARKETING ADMIN. Compilation of provisions of the Agricultural Act of 1949 and the Agricultural Adjustment Act of 1938, as amended, relating to peanuts. Washington? 1951. 24 p. 1.956 F26C73

U. S. PRODUCTION AND MARKETING ADMIN. Components of operational rations used by United States armed forces, by H. H. Moore. Washington, 1951. 22 p. 1.956 A22C73

U. S. PRODUCTION AND MARKETING ADMIN. Cotton lint cleaning at gins; an evaluation from the standpoint of cotton quality and economic factors, by F. L. Gerdes. Washington, 1951. 23 p. 1.956 C82C834

U. S. PRODUCTION AND MARKETING ADMIN.
Cotton price statistics, season 1950-51. Washington, 1951. 35 p. 1.9422 C4C82

U. S. PRODUCTION AND MARKETING ADMIN.
Dark air-cured tobacco market review, 1950-51 season. Washington, 1951. 30 p. 1.9 Ec714T

U. S. PRODUCTION AND MARKETING ADMIN.
Distribution of marketing and processing costs of cottonseed-oil mills, 1948-49 compared with 1947-48, by C. C. Spillsbury. Washington, 1951. 48 p. 1.956 F26D63

U. S. PRODUCTION AND MARKETING ADMIN.
The domestic wool clip; grades, shrinkages, and related data, based on purchases from the 1946 clip by the Commodity Credit Corporation. Washington, 1951. 104 p. 1.956 L75D716

U. S. PRODUCTION AND MARKETING ADMIN.
The economics of a quality improvement program for potatoes, by A. L. Perry. Washington, 1951? 4 p. 1.956 A2Ec7

U. S. PRODUCTION AND MARKETING ADMIN.
Fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1951. Washington, 1951. 7 p. 1.9422 C8R3

U. S. PRODUCTION AND MARKETING ADMIN.
List of manufacturers of packages, packaging materials, and equipment for prepackaging fresh fruits and vegetables. Washington, 1951. 34 p. 1.956 F94L69

U. S. PRODUCTION AND MARKETING ADMIN.
Marketing Idaho potatoes, season 1949-50, by L. N. Gardner. Idaho Falls, 1950. 15 p. 1.9 Ec741L

U. S. PRODUCTION AND MARKETING ADMIN.
National school lunch program; percentage of schools and children participating fiscal year 1951. Washington, 1951. 1 p. 1.956 A2N216

U. S. PRODUCTION AND MARKETING ADMIN.
1951 agricultural production program. Washington, 1951. 17 p. 1.956 A2On22

U. S. PRODUCTION AND MARKETING ADMIN.
Normal seasonal availability of fresh fruit & vegetable supplies. Rev. Washington, 1950. 6 p. 1.956 F94N78

U. S. PRODUCTION AND MARKETING ADMIN.
Official United States standards for grades of lamb, yearling mutton, and mutton carcasses (Title 7, ch. I, pt. 53, sections 53.114-53.118 of the Code of Federal Regulations). Issued March 1931; reprinted with amendments, April 1951. U. S. Prod. & Mktg. Admin. S.R.A.-P.M.A. 123, 6 p. Apr. 1951. 1 M34S

U. S. PRODUCTION AND MARKETING ADMIN.
Package and bulk selling of Florida oranges, by E. D. Downie and O. Rauchsvalbe. Washington, 1951. 18 p. 1.956 M343P12

U. S. PRODUCTION AND MARKETING ADMIN.
Plants approved to pack processed fruits and vegetables under continuous inspection (as of February 1, 1951). Washington, 1951. 14 p. 1.9422 Fr8P69

U. S. PRODUCTION AND MARKETING ADMIN.
Regulations for cotton warehouses. Issued by the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916, as amended (Title 7, Ch. I, Pt. 101, of the Code of Federal Regulations). U. S. Prod. & Mktg. Admin. S. R. A.-P. M. A. 126, rev., 23 p. 1950. 1 M34S

U. S. PRODUCTION AND MARKETING ADMIN.
Relationship of staple length in grease wool and resultant top, by D. D. Johnston, H. D. Ray, W. J. Manning, and E. M. Pohle. Washington, 1951. 9 p. 1.956 L75R27

U. S. PRODUCTION AND MARKETING ADMIN.
Reporting of cream prices at New York City. Washington? 1951. 3 p. 1.956 D14R29

U. S. PRODUCTION AND MARKETING ADMIN.
Sale of dried whole eggs, edible, for manufacturing purposes only. Washington, 1951. 3 p. 1.956 P86Sa3

U. S. PRODUCTION AND MARKETING ADMIN.
Tipos de jornales justos y razonables, cosecha de remolacha de azúcar de 1951 en regiones con excepción del estado de California, sudoeste de Arizona y sud de Oregón. Fair and reasonable wage rates, 1951 crop of sugar beets in regions other than the State of California, southwestern Arizona, and southern Oregon. Washington, 1951. 7 p. 1.956 Su3T49

U. S. PRODUCTION AND MARKETING ADMIN.
United States standards for grades of canned green beans and canned wax beans (effective July 16, 1951). Washington, 1951. 28 p. 1.956 A2Un328

U. S. PRODUCTION AND MARKETING ADMIN.
The wholesale market for fruits, vegetables, poultry, and eggs at Savannah, Ga., by O. Rauchsvalbe, R. F. Burdette, F. L. Faber, A. B. Lowstuter, L. E. Farmer, and N. M. Penny. Washington, 1950. 66 p. 1.956 M343W626

U. S. PRODUCTION AND MARKETING ADMIN.
The wholesale produce market at Nashville, Tenn., by G. E. Turner, F. L. Faber, and A. B. Lowstuter. Washington, 1951. 60 p. 1.956 M343W6224

U. S. PRODUCTION AND MARKETING ADMIN.
The wholesale produce market at Winston-Salem, N. C., by S. D. Clark, G. S. Abshier, and G. R. Cassell. Washington, 1951. 28 p. 1.956 M343W6222

U. S. PRODUCTION AND MARKETING ADMIN.
DAIRY BR. Compilation of statistical material concerning the proposed marketing agreement and order for the southern Illinois Marketing Area. Washington, 1950. unpagd. 1.956 D14C7322

U. S. PRODUCTION AND MARKETING ADMIN.
FRUIT AND VEGETABLE BR. Digest of decisions of the Secretary of Agriculture under the Perishable Agricultural Commodities Act, v. 2, by W. L. Evans. Washington, 1951. 108 p. 1.9 Ec7Ped

Periodicals

ABUNDANT foods for the school lunch program. Irregular. Atlanta. 1.956 F73Ab72
Issued from various cities and States.

ALFALFA meal production. Monthly. 1.9422 G8AL2

AVAILABILITY of certain fresh fruits and canned and frozen juices in retail food stores. Quarterly. 1.956 F94Av1

BARLEY and feed grain market review. San Francisco. Weekly. 1.9422 G8B24S

BARLEY market summary. Quarterly. Kansas City. 1.956 G76B24

Issued also from Minneapolis, Portland, Oreg., and San Francisco.

BEAN market review. Weekly. San Francisco. 1.9422 V8B37S
Issued also from Los Angeles.

BREWERS' dried grain production. Monthly. 1.9 Ec712Bre

CARLOT unloads of fruits and vegetables. Monthly. 1.9 Ec741Um

Issued from Atlanta, Baltimore, Boston, Chicago, Cincinnati, Cleveland, Dallas, Denver, Detroit, Fort Worth, Jackson, Miss., Kansas City, Mo., Los Angeles, Minneapolis, New Orleans, New York, Oakland, Oklahoma City, Philadelphia, Pittsburgh, Portland, Oreg., St. Louis, St. Paul, San Francisco, Seattle, and Washington. Titles vary slightly.

CHARGES against offshore [sugar] quotas. Weekly. 1.94 Su3Se

COLD storage report. Monthly. 1.9422 A8C67
COMMERCIAL grain stocks report. Weekly.

1.9 Ec742Cg
Issued also from Chicago, Kansas City, Minneapolis, Portland, Oreg., and San Francisco.

CORN market summary. Quarterly. Chicago. 1.956 G76C812

Issued also from Kansas City, Minneapolis, Portland, Oreg., and San Francisco.

COTTON price statistics. Monthly. 1.9422 C4C82

COTTON quality report. Semimonthly. 1.9422 C8C824

Released from Washington for the whole Cotton Belt and from Atlanta, Memphis, Dallas, and Bakersfield.

COTTON quotations—ten designated spot markets. Daily. Atlanta. 1.9 Ec733Ba

COTTONSEED review. Weekly. Atlanta. 1.9 Ec733Wcr

Issued also from Dallas and Memphis.

DAILY alfalfa market review. Los Angeles. 1.956 A2D144

DAILY fruit and vegetable market report. 1.9 Ec741Mi

Issued from Asheville, Atlanta, Bakersfield, Baltimore, Birmingham, Boston, Chicago, Cincinnati, Cleveland, Columbus, Denver, Detroit, Fort Worth, Fresno, Jackson, Jacksonville, Kansas City, Mo., Little Rock, Los Angeles, Minneapolis, Montgomery, New Orleans, New York, Oklahoma City, Philadelphia, Pittsburgh, Portland, Oreg., Raleigh, Richmond, St. Louis, St. Paul, Sacramento, San Antonio, San Francisco, Santa Maria, Seattle, Stevens Point, and Yakima.

DAILY hog market report. Thomasville, Ga. 1.9 Ec742Da

DAILY live poultry reports (Federal-State). 1.956 A2D146

Issued from Dover, Del., Fayetteville, Ark., Harrisonburg, Va., Raleigh, N. C., and Salisbury, Md.

- DAILY livestock market report. Chicago.
1.9 Ec742Da
Issued also from Denver, Indianapolis, National Stock Yards, Ill., Omaha, and South St. Paul.
Reports are also issued Monday at Stockton, Calif.; Monday, Wednesday, and Friday at Montgomery; Monday and Thursday at Baltimore; and Monday, Tuesday, Wednesday, and Thursday at Billings, Mont., Detroit, Fort Worth, Kansas City, Mo., Los Angeles, Nashville, North Portland, Oreg., Ogden, San Antonio, and San Francisco. Daily summary of six major markets issued by the New York office.
- DAILY market report (dairy and poultry products). 1.9 M34Da
Issued from Atlanta, Baltimore, Birmingham, Boston, Chicago, Cincinnati, Cleveland, Columbus, Denver, Des Moines, Detroit, Dover, Del., Fayetteville, Ark., Fort Worth, Fresno, Harrisonburg, Jackson, Miss., Little Rock, Los Angeles, Louisville, Madison, Montgomery, New Orleans, New York, Philadelphia, Pittsburgh, Portland, Oreg., Raleigh, St. Louis, Salisbury, Md., San Francisco, and Seattle.
- DAILY naval stores market report. Savannah.
1.956 A2D1483
- DAILY poultry market report. New York.
1.9422 Po8D14
- DAILY report of meat trade conditions and wholesale quotations. Chicago. 1.9 Ec742Dm
- DAILY report of meat trade conditions and wholesale quotations local and Western dressed meats. New York. 1.9 Ec742Dm
- DAILY special grass cattle market report. Issued from mid-July to Nov. 15. Ogden, Utah.
1.9 Ec713Spe
- Issued also from Denver, Fort Worth, North Portland, Oreg., and San Francisco.
- DAILY turkey market report. Seasonal.
Chicago. 1.956 A2Sp34
- Issued also from Boston, Cleveland, Detroit, New York, Philadelphia, Portland, Seattle, and St. Louis.
- DECISIONS under the Perishable Agricultural Commodities Act. Irregular. 1.956 F94D35
- DISTILLERS' dried grain production. Monthly.
1.9 Ec712Dis
- ESTIMATED grade and staple length of upland cotton ginned in the United States. Irregular.
1.9422 C8G752
- FACTORS in food. Weekly. San Francisco.
1.9422 A8W19
- FARM and food news. Weekly. New York.
1.956 A2F22
- Issued also from Atlanta, Chicago, Dallas, and San Francisco.
- FARM marketing shorts; PMA radio spots for announcers. Weekly. Dallas. 1.956 A2F222
- THE FARMERS weekly cotton price report. Weekly during active marketing season. Memphis.
1.9422 C8W41
- Issued also from Atlanta and Dallas.
- FEED market summary. Quarterly.
1.956 G76F322
- Issued also from Chicago, Kansas City, Mo., Los Angeles, Minneapolis, Portland, Oreg., and San Francisco.
- FLAXSEED market summary. Quarterly.
Minneapolis. 1.9422 G8F61
- Issued also from San Francisco.
- FOOD buying tips. Weekly. Chicago.
1.956 A2F7322
- FOOD in the news. Weekly. Dallas.
1.956 A2F734
- FOOD marketing newsletter. Weekly.
Chicago. 1.956 A2F738
- Issued also from New York.
- FOOD review. Irregular. Atlanta.
1.9422 A8F733
- FOOD supplies and markets. Weekly. New York. 1.956 A2F733
- FOODS in plentiful supply. Irregular.
1.956 A2F736
- GRAIN inspections: wheat, inspected receipts and shipments by classes. Monthly. Portland, Oreg.
1.956 G76G763
- HOP MARKET review. Monthly; weekly during marketing season. Portland, Oreg. 1.9 Ec712Hop
- Issued also from San Francisco.
- IMPORTS of agricultural seeds admitted into the United States under the Federal Seed Act. Monthly.
1.956 A2Im7
- IMPORTS of vegetable seeds admitted into the United States under the Federal Seed Act. Monthly.
1.956 A2Im72
- INSPECTED receipts of soybeans. Monthly.
1.9422 V8So9
- "INVISIBLE" supplies of sugar. Irregular.
1.956 A2In8
- LICENSES issued under P. A. C. A. (Abs.)
Irregular. 1.9 Ec741Ab
- LIVESTOCK market news—reviews and statistics. Weekly. 1.9 Ec713Ma
- MARKETING activities. Monthly.
1.942 A8M34
- MIDWEST market basket. Weekly. Chicago.
1.956 A2M582
- MINIMUM class prices and uniform pool prices under fluid milk orders, f.o.b. marketing area. Monthly. 1.956 P14M66
- MONTHLY cold storage report—total U. S. holdings [dairy and poultry]. 1.9422 D8C76
- Issued from Atlanta, Boston, Chicago, Cincinnati, Cleveland, Detroit, Los Angeles, New York, Philadelphia, Portland, Oreg., San Francisco, Seattle, and St. Louis.
- MONTHLY deliveries of sugar by States.
1.956 A2M768
- MONTHLY domestic dairy markets review.
1.9 Ec724Do
- Statistical supplements issued also.
- MONTHLY egg and poultry markets review.
1.9 Ec724Ep
- Statistical supplements issued also.
- MONTHLY milk and cream report of receipts. Philadelphia. 1.956 A2M764
- Issued also from Boston and New York.
- MONTHLY origin of receipts by States [of butter, cheese, eggs, and poultry]. Chicago.
1.9 Ec742Or
- Issued also from Boston, Baltimore, Los Angeles, New York, St. Louis, Philadelphia, San Francisco, Atlanta, Cincinnati, Cleveland, Detroit, and New Orleans.
- MONTHLY poultry and egg summary.
Chicago. 1.956 P86P864
- Issued also from Atlanta.
- MONTHLY report of carlot movement of eggs from Pacific Coast States. San Francisco. 1.942 D8M76
- MONTHLY review of the Boston wool market.
Boston. 1.9 Ec742Mrw
- NORTHEAST farm market review. Weekly.
New York. 1.956 A2N81
- OATS market summary. Quarterly. Chicago.
1.956 G7608
- Issued also from Minneapolis, Kansas City, Portland, Oreg., and San Francisco.
- P. AND S. Docket; a monthly report of action taken on cases arising under the Packers and Stockyards Act. 1.942 L8P12
- PLENTIFUL foods; monthly list. Chicago.
1.956 A2P712
- Issued also from Atlanta, Dallas, New York, and San Francisco.
- PLENTIFUL foods spots. Weekly. Atlanta.
1.956 A2P715
- Issued also from New York.
- PRICES of crude pine gum. Weekly.
1.956 T55P93
- PURCHASE report [of agricultural products]. Irregular. 1.9422 A8In3
- RECEIPTS and disposition of livestock at 64 public markets. Monthly. 1.9422 L8R24
- RICE market review. Weekly. San Francisco.
1.9422 G8R36
- RICE, stocks and movement, Southern and California mills. Monthly. 1.9 Ec712Ri
- Issued also from San Francisco.
- RYE MARKET summary. Quarterly. Chicago.
1.956 A2R98
- Issued also from Minneapolis.
- SALES report [of agricultural products]. Irregular. 1.9422 A8Is7
- SEMI-MONTHLY honey report. 1.9 M34Ho
- SEMIWEEKLY market report (dairy and poultry products). Montgomery, Ala. 1.956 D14Se5
- SEMIWEEKLY review of meat trade conditions. Los Angeles. 1.956 A2Se5
- Issued also from Portland, Oreg., and San Francisco.
- SOUTHEASTERN area weekly report [on cotton]. Atlanta. 1.9422 C8R26
- SOUTHERN farm market summary. Weekly.
Atlanta. 1.9422 A8So8
- SOYBEAN market summary. Quarterly.
1.956 G76So9
- Issued also from Chicago and Kansas City.

[SPECIAL commodity reports.] Daily, seasonal.

Detailed shipment and market information for fruits and vegetables, including apples, asparagus, beans, beets, cabbage, cantaloups, carrots, cauliflower, celery, cherries, citrus fruits, corn, cucumbers, grapes, lettuce, onions, peaches, pears, peppers, plums & fresh prunes, potatoes, spinach, squash, strawberries, sweetpotatoes, tomatoes, and watermelons. Issued from about 42 temporary field stations.

STATISTICS for Federal order markets. Monthly. 1.956 D14St2

STOCKER and feeder cattle and sheep received in several Corn Belt States. Monthly. Chicago. 1.9422 LSt6

STOCKER and feeder report. Weekly. Omaha. 1.9422 L8F32

Issued also from Kansas City, Mo., South St. Paul, and Sioux City.

SUGAR deliveries by States. Weekly. 1.956 A2M768

SUGAR reports. Irregular. 1.956 Su3Su33

SUGAR statistics. Monthly. 1.94 Su3S

SUGGESTED menus for type A lunch. Irregular. San Francisco. 1.956 A2Su33

SUMMARIES of decisions by the Secretary of Agriculture on complaints filed under the Perishable Agricultural Commodities Act. Irregular. 1.9 Ec7Pesd

SUMMARY of egg and poultry markets.

Weekly. Chicago. 1.9422 Po8Su6

Issued also from Boston, Philadelphia, Portland, Oreg., San Francisco, and Seattle.

TOBACCO market news report. Daily and weekly.

Burley: Type 31. Reported from Louisville.

1.9 Ec714Wtr

Dark air-cured: Types 35 and 36. Reported from Louisville. 1.9 Ec714We

Fire-cured: Type 21. Reported from Raleigh.

1.9 Ec714Wtm

Fire-cured: Types 22, 23, and 24. Reported from Louisville. 1.9 Ec714Dc

Flue-cured: Types 11(a), 11(b), 12, 13, and 14. Reported from Raleigh. 1.9 Ec714Wtm

Light air-cured: Type 32. Reported from Louisville.

1.9 Ec714T

Sun-cured: Type 37. Reported from Raleigh.

1.9422 T8W41

Season, special, and supplemental reports are also issued.

TOBACCO stocks report. Quarterly.

1.9 Ec714

UNFINISHED cotton cloth prices, cotton prices, and mill margins. Monthly. 1.942 C7Un2

USDA food bulletin. Irregular. Fort Worth.

1.9422 Fr8W262

Issued also from Cincinnati, New York and Pittsburgh.

USDA meat production report. Weekly.

1.956 A2Un33

WEEKLY alfalfa market review. Los Angeles.

1.9422 G8A12L

Issued also from Portland, Oreg.

WEEKLY cotton linters review. 1.9 Ec733We

WEEKLY cotton market review. 1.9 Ec733Cm

WEEKLY dairy markets review. Chicago.

1.9 M34Mb

Issued also from Los Angeles, New York, Portland, Oreg., San Francisco, and Seattle.

WEEKLY feed market review. 1.9 Ec712Fm

Issued from Chicago, Kansas City, Mo., Los Angeles, Minneapolis, Portland, Oreg., San Francisco, and Washington.

WEEKLY grain market review. 1.9 Ec72W

Issued from Chicago, Kansas City, Mo., Minneapolis, Portland, Oreg., and San Francisco.

WEEKLY hay market review. Kansas City,

Mo. 1.9 Ec712AL

WEEKLY livestock market review.

1.9 Ec742Wr

Issued from Billings, Mont., Chicago, Cincinnati, Denver, Detroit, Fort Worth, Indianapolis, Kansas City, Mo., Los Angeles, Louisville, Montgomery, Nashville, National Stock Yards, Ill., North Portland, Oreg., Ogden, Oklahoma City, Omaha, Peoria, San Antonio, San Francisco, Sioux City, South St. Joseph, South St. Paul, Spokane, Stockton, and Wichita.

WEEKLY livestock statistical report.

Chicago. 1.9 Ec742L

WEEKLY milk and cream report. New York.

1.9 Ec724W

Issued also from Boston and Philadelphia.

WEEKLY molasses market report.

1.956 Su3W41

WEEKLY newsletter. New York.

1.956 A2W415

WEEKLY peanut report. 1.9 Ec742P

WEEKLY review of meat trade conditions.

New York. 1.9 M34We

WEEKLY review of the Boston wool market.

Boston. 1.9 Ec742Wo

WEEKLY review of wool statistics. Boston.

1.9 Ec742We

WEEKLY rice market review. 1.9 Ec712R

Issued from Baton Rouge, Little Rock, San Francisco, and Washington.

WEEKLY sheep and lamb market report.

Des Moines. 1.9 Ec742Da

WEEKLY slaughter under Federal inspection at 32 selected centers. Chicago. 1.9422 L8SL1

WEEKLY summary of carlot shipments [of fruits and vegetables]. 1.9 Ec742W

WESTERN area PMA summary. Weekly.

San Francisco. 1.956 A2W52

WESTERN sheep and lamb contract report.

Weekly. 1.9 Ec742Sp

Issued from Chicago, Denver, Fort Worth, Kansas City, Mo., North Portland, Oreg., Ogden, Omaha, San Francisco, and South St. Paul.

WHAT'S news in the markets? Weekly. San

Francisco. 1.9422 A8Sa5

WHEAT market summary. Quarterly.

Chicago. 1.956 G76W563

Issued also from Kansas City, Mo., Minneapolis, Portland, Oreg., and San Francisco.

RURAL ELECTRIFICATION ADMINISTRATION

RURAL ELECTRIFICATION JOB TRAINING AND SAFETY CONFERENCE, 8, SPRINGFIELD, 1950. Report. Washington, U. S. Rur. Electrification Admin., 1950.

47 p. 1.933 R8827

U. S. Office of Education, Vocational Division, Trade and Industrial Education Service cooperating.

U. S. RURAL ELECTRIFICATION ADMIN. Reference material on management. Washington? 1951. 9 p. 1.933 R252

WEITZELL, E. C. Accomplishments of REA and the job ahead. Washington, U. S. Rur. Electrification Admin., 1951. 12 p. 173.2 R88We

Presented at Field Conference, Salt Lake City, June 25-29, 1951.

WICKARD, C. R. Developing power for the people. Washington, U. S. Rur. Electrification Admin., 1951.

3 p. 1.91 A2W63

Talk at the dedication of the Flambeau Hydro-Electric Station, Ladysmith, Wis., Aug. 26, 1951.

Periodicals

DEFENSE bulletin. Irregular. 1.933 D36

THE LINEMAN. Irregular. 1.933 R882

MONTHLY statistical bulletin. 1.933 M76

QUARTERLY technical standards digest.

1.933 Q2

RURAL electrification news. Bimonthly.

173.2 R88Ru

SUMMARY REA pole inspection; totals by kinds of wood. Monthly. 1.933 Su62

SECRETARY, OFFICE OF

BRANNAN, C. F. America goes forward. Washington, U. S. D. A., Off. Sec., 1951. 11 p.

1.91 A2B73

Talk at Four-County Fair, Coon Rapids, Iowa, Aug. 22, 1951.

BRANNAN, C. F. The common strength of free men. Washington, U. S. D. A., Off. Sec., 1951. 11 p.

1.91 A2B73

Talk at dedication of the Flambeau River Station, Dairyland Power Cooperative, Ladysmith, Wis., Aug. 26, 1951.

BRANNAN, C. F. The measure of our works. Washington, U. S. D. A., Off. Sec., 1951. 15 p. 1.91 A2B73

Talk before the Missouri Farmers' Association, Columbia, Aug. 6, 1951, on the Missouri River Basin Agricultural Program.

HUTCHINSON, K. T. Agriculture and the floods. Washington, U. S. D. A., Off. Sec., 1951. 7 p. 1.91 A2H97

Statement at a public meeting of the Missouri Basin State Committee in Kansas City, Mo., July 25, 1951.

MINOR, W. A. Grass puts the prod in production. Washington, U. S. D. A., Off. Sec., 1951. 9 p. 1.91 A2M66

Talk at Southwestern Indiana Grassland Field Day, Aug. 21, 1951.

SOIL CONSERVATION SERVICE

BENNETT, H. H. The complete watershed program in flood control. Washington, U. S. Soil Conserv. Serv., 1951. 12 p. 1.96 Ad62

Address, Newspaper Editors' Flood Control Meeting, Lincoln, Aug. 11, 1951.

BENNETT, H. H. Grass for soil conservation and better yields. Washington, U. S. Soil Conserv. Serv., 1951. 11 p. 1.96 Ad62

Address at Grass Conference, Atlanta, Aug. 19, 1951.

BENNETT, H. H. The land and the people. Washington, U. S. Soil Conserv. Serv., 1951. 12 p. 1.96 Ad62

Address, Missionary Conference of Methodist Ministers of the Southeast, Lake Junaluska, N. C., July 21, 1951, on soil conservation.

BENNETT, H. H. Up-to-date farmers practice soil conservation. Washington, U. S. Soil Conserv. Serv., 1951. 6 p. 1.96 Ad62

Address, National Soil Conservation Field Day and Plowing Matches, near Bethany, Mo., Aug. 17, 1951.

U. S. SOIL CONSERVATION SERV. Books, booklets and bulletins on soil and water conservation. Washington, 1951. 25 p. 1.96 Ad6Bo

U. S. SOIL CONSERVATION SERV. Soil conservation districts; status of organization, by States, approximate acreage, and farms in organized districts. Washington, 1951. 60 p. 1.96 R27Sc

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Steps to pave your waterways with grass. Milwaukee, 1951. poster. 1.8 So35

Periodicals

FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Arizona. Irregular. 1.96 R31Sh

Also for Colorado River Drainage Basin. 1.96 R31Fsc
Columbia Basin. 1.96 R31Fs

Montana and northern Wyoming, upper Missouri, and upper Columbia and Yellowstone Rivers. 1.96 R31Fsmo

Nevada. 1.96 R31Fsn

Oregon. 1.96 R31Fso

Platte and Arkansas Drainage Basins. 1.96 R31Fsm

Rio Grande Drainage Basin. 1.96 R31Fsr

SOIL conservation; official organ of the Soil Conservation Service. Monthly. 1.6 So3S

SOLICITOR, OFFICE OF

Periodicals

OPINIONS of the Solicitor. Index-digest. Irregular. 1.9 So450

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arizona Agricultural Experiment Station, Tucson

HATHORN, S., JR. Spinner opinions of irrigated cotton. *Ariz. Agr. Expt. Sta. Rpt.* 99,19 p. June 1950. 100 Ar4M

ARIZONA. AGRICULTURAL EXPERIMENT STATION. Fourth annual report, economic poisons. *Ariz. Agr. Expt. Sta. Spec. B.* 38 p. Mar.1950. 100 Ar4A

Arkansas Agricultural Experiment Station, Fayetteville

MOORE, C. A. Market preferences for fresh tomatoes at St. Louis, Missouri. *Ark. Agr. Expt. Sta. B.* 494,16 p. May 1950. 100 Ar42

NEUMANN, A. L., MABRY, C. E., and GIFFORD, W. Sheep for lamb and wool production in Arkansas. *Ark. Agr. Expt. Sta. B.* 501,21 p. Jan.1951. 100 Ar42

JACKSON, H. Marketing practices of Arkansas egg producers. *Ark. Agr. Expt. Sta. B.* 506,29 p. Mar. 1951. 100 Ar42

BUCHELE, W. F. Mechanized production of cotton. II. Cotton pickers and wheel fenders. *Ark. Agr. Expt. Sta. Mimeog. Ser.* 4,8 p. Sept.1950. 100 Ar42M

Colorado Agricultural Experiment Station, Fort Collins

BERTONE, E. Moisture changes in sacked raw wool. *Colo. Agr. Expt. Sta. Tech. B.* 44,23 p. Ref. May 1951. 100 C71S

Connecticut (State) Agricultural Experiment Station, New Haven

LUNT, H. A. Effect of slash mulch and slash burn on pine and spruce plantings. *Conn. (State) Agr. Expt. Sta. B.* 548,21 p. Ref. Apr.1951. 100 C76St

FISHER, H. J. The 54th report on food products and the 42nd report on drug products, 1949. *Conn. (State) Agr. Expt. Sta. B.* 549,67 p. Apr.1951. 100 C76St

Florida Agricultural Experiment Station, Gainesville

MYERS, J. M., KILLINGER, G. B., and BLEDSOE, R. W. Hay and seed drying with a slatted floor system. *Fla. Agr. Expt. Sta. B.* 477,46 p. May 1951. 100 F66S

MURRILL, W. A. Species of Florida Basidiomycetes. *Fla. Agr. Expt. Sta. B.* 478,36 p. June 1951. 100 F66S

GRIFFITHS, J. T., and others. Toxicology of parathion and other phosphatic insecticides and precautions for their use on citrus. *Fla. Agr. Expt. Sta. B.* 479, 24 p. Ref. June 1951. 100 F66S

J. W. Williams, W. L. Thompson, and C. R. Stearns, Jr, joint authors.

Hawaii Agricultural Experiment Station, Honolulu

SHOJI, K. Storage studies of vapor-heat- and ethylene-dibromide-treated papaya. *Hawaii. Agr. Expt. Sta. Prog. Note* 67,5 p. July 1951. 100 H313P

TANAKA, J., PALAFOX, A. L., and ROSENBERG, M. M. A comparison of three sources of calcium for laying chickens. *Hawaii. Agr. Expt. Sta. Prog. Note* 68,7 p. Ref. July 1951. 100 H313P

HAWAII. AGRICULTURAL EXPERIMENT STATION. Stationed to serve; better living through agricultural research; 50th anniversary, 1901-1951. Honolulu, 1951. 61 p. 100 H313S

Iowa Agricultural Experiment Station, Ames

NICKELL, P., and others. Farm family housing needs and preferences in the North Central Region. *Iowa. Agr. Expt. Sta. Res. B.* 378,173 p. Feb.1951. 100 Io9

M. Budolfson, M. Liston, and E. Willis, joint authors.

Kansas Agricultural Experiment Station, Manhattan

AUBEL, C. E. Swine production in Kansas. *Kans. Agr. Expt. Sta. B.* 344,76 p. June 1951. 100 K13S Bulletin 334, revised.

FARRELL, F. D. Kansas rural institutions. VII. Kansas Master Farmers. *Kans. Agr. Expt. Sta. C.* 274,39 p. June 1951. 100 K13S

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

HUDSON, J. F., and MONTGOMERY, R. A. Quality of ginning services in relation to cost of ginning in South Louisiana, 1948 and 1949. *La. Agr. Expt. Sta. B.* 450,49 p. Mar.1951. 100 L93

HODGKINS, A. M., HUDSON, J. F., and STANLEY, F. E. Cotton marketing practices of growers and buyers in selected local markets in Louisiana. *La. Agr. Expt. Sta. B.* 454,32 p. June 1951. 100 L93

BERTRAND, A. L. Agricultural mechanization and social change in rural Louisiana. *La. Agr. Expt. Sta. B.* 458,48 p. June 1951. 100 L93

PRICE, P. H., and HITT, H. L. The availability of medical personnel in rural Louisiana. *La. Agr. Expt. Sta. B.* 459,20 p. June 1951. 100 L93

Maine Agricultural Experiment Station, Orono

MERCHANT, C. H., MAYBERRY, J. E., and SCHRUMPF, W. E. Seven-year summary of grade quality of U. S. No. 1 Maine potatoes. *Maine. Agr. Expt. Sta. Mimeog. Rpt.* 21,32 p. Aug.1951. 100 M28M

Maryland Agricultural Experiment Station, College Park

MARYLAND. AGRICULTURAL EXPERIMENT STATION. Agricultural progress through research; 63rd annual report, 1949/50. *Md. Agr. Expt. Sta. B.* A-62,44 p. 1950? 100 M36S

HAMILTON, A. B. Comparative census of Maryland agriculture by counties. *Md. Agr. Expt. Sta. Misc. P.* 113,52 p. Aug.1951. 100 M36M

Minnesota Agricultural Experiment Station, University Farm, St. Paul

SOINE, O. C. Fifty years of weather in the Red River Valley. *Minn. Agr. Expt. Sta. B.* 408,19 p. May 1951. 100 M66

Nebraska Agricultural Experiment Station, Lincoln

BAKER, M. L., and others. Effect of time of cutting on yield and feeding value of prairie hay. *Nebr. Agr. Expt. Sta. B.* 403,19 p. Feb.1951. 100 N27

E. C. Conard, V. H. Arthaud, and L. C. Newell, joint authors.

MCCALLA, T. M., and GOODDING, T. H. Microorganisms and their effects on crops and soils. *Nebr. Agr. Expt. Sta. C.* 90,16 p. Apr.1951. 100 N27

New Mexico Agricultural Experiment Station, State College

- KNOX, J. H., and others. Research on the College Ranch; a review of results from experiments in range management, nutrition of range cattle, beef cattle production. N. Mex. Agr. Expt. Sta. B. 359,32 p. Feb. 1951. 100 N465
- W. E. Watkins, M. Koger, and K. A. Valentine, joint authors.

New York (Cornell) Agricultural Experiment Station, Ithaca

- ANDERSON, W. A. The values in rural living. VI. How to use the Rural Living Opinion Scale (short form). N. Y. (Cornell) Agr. Expt. Sta. Rur. Sociol. P. 23,8 p. Apr.1950. 100 N48Cm

North Carolina Agricultural Experiment Station, State College Station, Raleigh

- WEYBREW, J. A., and BROWN, O. A. Comparative analyses of tobaccos cured in the presence and absence of combustion gasses. N. C. Agr. Expt. Sta. Agron. Inform. C. 150,6 p. Mar.1950. 100 N81A
- AGRONOMY TOBACCO WORK CONFERENCE, GAINESVILLE, FLORIDA. Recommendations with reference to the fertilization of flue-cured tobacco grown on average soils in Virginia, North Carolina, South Carolina, Georgia and Florida for the year 1951. N. C. Agr. Expt. Sta. Agron. Inform. C. 151,3 p. Aug.1950. 100 N81A
- GILES, G. W. A progress report on the finger wheel rake. N. C. Agr. Expt. Sta. Inform. C. 4,23 p. May 1951. 58.9 N812
- WILSON, R. W. A progress report on rotary hoe used in tobacco. N. C. Agr. Expt. Sta. Inform. C. 5, 8 p. Jan.1951. 58.9 N812

North Dakota Agricultural Experiment Station, State College Station, Fargo

- KRISTJANSON, B. H., and VOELKER, S. W. Legal aspects of renting farms in North Dakota. N. Dak. Agr. Expt. Sta. B. 368,17 p. June 1951. 100 N813
- WIIDAKAS, W., BRIGGLE, L. W., and WIDDI-FIELD, R. B. 1950 hybrid corn field trials. N. Dak. Agr. Expt. Sta. Agron. Mimeog. C. 83,25 p. Jan.1951. 100 N813A

Ohio Agricultural Experiment Station, Wooster

- OHIO. AGRICULTURAL EXPERIMENT STATION. Farm science and practice; 69th annual report, 1949/50. Ohio. Agr. Expt. Sta. B. 705,89 p. June 1951. 100 Oh3S
- HENNING, G. F. Analysis of hog prices in Ohio. Ohio. Agr. Expt. Sta. Res. B. 696,43 p. July 1951. 100 Oh3S
- OHIO. AGRICULTURAL EXPERIMENT STATION. 100 questions and answers on liming land. Ohio. Agr. Expt. Sta. Spec. C. 83,32 p. Mar.1951. 100 Oh3S
- Maryland, New Jersey, New York (Cornell), and Pennsylvania Agricultural Experiment Stations cooperating.
- OHIO. AGRICULTURAL EXPERIMENT STATION. Staff list. Ohio. Agr. Expt. Sta. Spec. C. 85,8 p. Jan.1951. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

- WEBSTER, J. E., and ROMSHE, F. Water-melon sirup; how to make it at home. Okla. Agr. Expt. Sta. Mimeog. C. M-227,2 p. Aug.1951. 100 Ok4M
- GARTON, J. E., and MORGAN, M. J. A graphic method of calculating spray mixes. Okla. Agr. Expt. Sta. Misc. P. MP-23,7 p. July 1951. 100 Ok4
- OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Science serving agriculture. II. Biennial report, July 1, 1948, to June 30, 1950. Stillwater, 1950. 16 p. 100 Ok4
- OKLAHOMA farm economics, Oklahoma 24:87-108. Aug.1951. 100 Ok4

Oregon Agricultural Experiment Station, Corvallis

- PARKER, J. E. Chicken hatching egg production. Oreg. Agr. Expt. Sta. B. 498,19 p. June 1951. 100 Or3
- TEAL, R. H., and DAVIS, G. B. Trial shipments of potatoes in corrugated fiberboard boxes. Oreg. Agr. Expt. Sta. C. Inform. 500,16 p. June 1951. 100 Or3C
- Oregon Potato Commission cooperating.

South Carolina Agricultural Experiment Station, Clemson

- SENN, T. L., and TAYLOR, J. S. The commercial peach industry in South Carolina. S. C. Agr. Expt. Sta. B. 393,39 p. June 1951. 100 So8
- MILES, J. F. The supply and utilization of milk in the three principal South Carolina milk markets—Charleston, Columbia, and Greenville. S. C. Agr. Expt. Sta. B. 394,47 p. June 1951. 100 So8
- MILES, J. F. Milk prices and pricing practices in the Charleston, Columbia and Greenville markets. S. C. Agr. Expt. Sta. B. 395,36 p. June 1951. 100 So8

Texas Agricultural Experiment Station, College Station

- RAY, L. L., and others. Cotton variety tests at Lubbock, 1947-50. Tex. Agr. Expt. Sta. Prog. Rpt. 1381,4 p. July 6,1951. 100 T31P
- J. Box, E. L. Thaxton, Jr., and D. L. Jones, joint authors.
- THAXTON, E. L., JR., JONES, D. L., and RAY, L. L. Cotton defoliation tests at Lubbock, 1950. Tex. Agr. Expt. Sta. Prog. Rpt. 1382,4 p. July 6,1951. 100 T31P
- JONES, D. L., and BOX, J. Planting each row of cotton as compared with planting two and skipping one. Tex. Agr. Expt. Sta. Prog. Rpt. 1384,3 p. July 7,1951. 100 T31P
- WILLIAMS, J. C., SMITH, G. L., and JONES, J. H. Finely ground peanut hulls and prairie hay in rations for fattening steers. Tex. Agr. Expt. Sta. Prog. Rpt. 1385,3 p. July 10,1951. 100 T31P
- NEAL, E. M., HALL, R. A., and JONES, J. H. Steer feeding tests at Beeville, 1950-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1386,4 p. July 10,1951. 100 T31P
- LEEPER, P. W. Greenwrap tomato variety yield tests in the Lower Rio Grande Valley, spring 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1387,3 p. July 10,1951. 100 T31P
- SOUTHERN, J. H., and MOTHERAL, J. R. Texas farm and ranch land prices, 1950. Tex. Agr. Expt. Sta. Prog. Rpt. 1389,7 p. Aug.2,1951. 100 T31P

Utah Agricultural Experiment Station, Logan

- MORRISON, E. M., and KEARL, W. G. Cost and efficiency of producing canning corn in Cache County, Utah, 1949. Utah. Agr. Expt. Sta. B. 348,24 p. June 1951. 100 Ut1
- MAUGHAN, J. H., and ISRAELSEN, O. W. Management of irrigation and drainage enterprises in Utah. Utah. Agr. Expt. Sta. B. 349,49 p. June 1951. 100 Ut1
- GEDDES, J. A., and FREDRICKSON, C. Cemeteries of Box Elder and Summit Counties. Utah. Agr. Expt. Sta. B. 350,72 p. June 1951. 100 Ut1
- PITTMAN, D. W. How serious are the defects of mechanical blocking of sugar beets. Utah. Agr. Expt. Sta. C. 128,9 p. June 1951. 100 Ut1
- FARM & home science 12:21-40. June 1951. 100 Ut1F

Washington Agricultural Experiment Station, Pullman

- ERB, R. E., and others. The relation of simple semen quality tests to fertilizing capacity of bull semen. Wash. Agr. Expt. Sta. Tech. B. 2,52 p. Ref. Dec.1950. 100 W27T
- M. H. Ehlers, L. Mikota, and E. Schwarz, joint authors.

STATE AGRICULTURAL EXTENSION SERVICE
PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

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Arizona University, College of Agriculture, Agricultural Extension Service, Tucson

LUSK, M. S., and DICKERSON, L. B. Color in your hands. Ariz. Agr. Col. Ext. C. 178,10 p. June 1951. 275.29 Ar42

BROWN, J. G., and BOYLE, A. M. Bacterial heart-rot of celery. Ariz. Agr. Col. Ext. C. 181,4 p. Feb.1951. 275.29 Ar42

BROWN, J. G., and ALLEN, R. M. Cotton seeds can carry Verticillium-wilt fungus. Ariz. Agr. Col. Ext. C. 182,4 p. Feb.1951. 275.29 Ar42

Arkansas University, College of Agriculture, Agricultural Extension Service, Little Rock

BELL, M. Light to see. Ark. Agr. Col. Ext. C. 451,rev.,12 p. June 1951. 275.29 Ar4

HEAD, T. P., and HOLLEY, A. L. Feeding dairy cows. Ark. Agr. Col. Ext. C. 453,rev.,7 p. May 1951. 275.29 Ar4

HOLLEY, A. L., and HEAD, T. P. Raising dairy calves. Ark. Agr. Col. Ext. C. 454,rev.,7 p. May 1951. 275.29 Ar4

WILLIAMS, C. F. Fuel, oil, and grease storage. Ark. Agr. Col. Ext., Ext. Plan Ser. 23,4 p. Apr. 1951. 275.29 Ar4Fo

California University, College of Agriculture, Agricultural Extension Service, Berkeley

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fresno County chicken meat study, 1951, by R. Houck. Berkeley?1951. 6 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fresno County dairy management study, 1950, by B. B. Burlingame and E. A. Yeary. Berkeley?1951. 15 p. 275.29 C12En

CALIFORNIA agriculture 5(7),16 p. July 1951. 100 C12Cag

Colorado State College of Agriculture, Extension Service, Fort Collins

COLORADO. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION SERV. List of publications for free distribution. Fort Collins,1951. 6 p. 275.29 C71L

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Pest control guide, 1951, by F. D. Johanson, P. Garman, and E. M. Stoddard. Storrs,1951. various pagings. 275.29 C76Pc

Hawaii University, Agricultural Extension Service, Honolulu

ISHIDA, J. Temperatures for shipping and storing fruits and vegetables. Hawaii. U. Agr. Ext. C. 311,2 p. June 1951. 275.29 H312Ac

Supplement to Circular 296 of the same title published in January 1951.

Idaho University, College of Agriculture, Extension Service, Moscow

SMITH, V. T. Store and use barnyard manure properly for conservation, efficiency, profits. Idaho. Agr. Col. Ext. C. 106,4 p. June 1950. 275.29 Id13C

VERNER, L., and FRANKLIN, D. F. Apple thinning with blossom sprays. Idaho. Agr. Col. Ext. C. 109,4 p. Mar.1950. 275.29 Id13C

Illinois University, College of Agriculture, Extension

NEVENS, W. B. Making high quality silage for dairy cattle. Ill. Agr. Col. Ext. C. 686,24 p. July 1951. 275.29 IL62C

Indiana - Purdue University, Agricultural Extension Service, Lafayette

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Safe water supplies for farm and suburban homes. Purdue U. Agr. Ext. B. 363,32 p. 1951. 275.29 In2E

Indiana State Board of Health cooperating.

BURKHOLDER, C. L., and SHARVELLE, E. G. Peach brown-rot control in orchard, storage and transit. Purdue U. Agr. Ext. B. 364,16 p. 1951. 275.29 In2E

INDIANA. PURDUE UNIVERSITY. DIV. OF HORTICULTURE. Fruit varieties for Indiana. Purdue. U. Agr. Ext. B. 365,20 p. June 1951. 275.29 In2E

SHARVELLE, E. G. Black-knot of plums and its control. Purdue U. Agr. Ext. L. 291,rev.,7 p. 1951. 275.29 In2L

SHARVELLE, E. G. Peach leaf curl and its control. Purdue U. Agr. Ext. L. 306,rev.,7 p. 1951. 275.29 In2L

SHARVELLE, E. G. Strawberry leaf spot and its control. Purdue U. Agr. Ext. L. 334,4 p. 1951. 275.29 In2L

KARSTENS, G. A., and ACKERSON, O. E. Grass waterways. Purdue U. Agr. Ext. L. 337,7 p. 1951. 275.29 In2L

Kansas State College of Agriculture and Applied Science, Extension Service, Manhattan

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Youth marches on; the 1950 annual report of the Kansas Agricultural Extension Service Program. Kans. State Col. Agr. Ext. C. 228,30 p. June 1951. 275.29 K13Ex

Louisiana State University and Agricultural and Mechanical College, Division of Agricultural Extension, University Station, Baton Rouge

CREASY, L. E., and MAYEUX, M. M. The sprayer and its use. La. Agr. Col. Ext. P. 1085,31 p. Mar.1951. 275.29 L93Ep

Maine University, College of Agriculture, Agricultural Extension Service, Orono

WYMAN, O. L., and HICKEY, J. C. How to control yellow rocket (winter cress) [Barbarea]. Maine. Agr. Col. Ext. C. 264,5 p.-folder. Feb.1951. 275.29 M281C

FOLSOM, D., WYMAN, O. L., and WESTIN, E. Potato Verticillium wilt. Maine. Agr. Col. Ext. C. 265, 5 p.-folder. Feb.1951. 275.29 M281C

MORAN, C. H., and WYMAN, O. L. Growing oats in Maine. Maine. Agr. Col. Ext. C. 267,6 p.-folder. Mar.1951. 275.29 M281C

Maryland University, College of Agriculture and Home Economics, Extension Service, College Park

MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. 1950 extension work in Maryland; thirty-sixth annual report. College Park,1951? 32 p. 275.29 M36

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

WEIHING, J. L. Control of common blight and rust in field beans. Nebr. Agr. Col. Ext. C. 1813, 8 p. June 1951. 275.29 N272Ex

New Hampshire University, College of Agriculture and the Mechanic Arts, Extension Service, Durham

WEEKS, S. B., and FRICK, G. E. How to make money doing custom work. N. H. Agr. Col. Ext. C. 303, 12 p. July 1951. 275.29 N45C
U. S. Bureau of Agricultural Economics cooperating.

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

MORIN, G. Farmhouse planning in New York State. N. Y. Agr. Col. Cornell Ext. Misc. B. 10,32 p. Feb.1951. 275.29 M48Cm

NEW YORK STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Killing, plucking, & cooling poultry, by R. C. Baker and G. O. Hall. Ithaca, n.d. 8 p.-folder. 275.29 N48P

North Carolina University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

WEAVER, D. S., and ELLIS, H. M. Terracing to reduce erosion. N. C. Agr. Col. Ext. C. 222, rev., 30 p. May 1951. 275.29 N811

WELLS, J. C., and HERBERT, T. T. Small grain diseases. N. C. Agr. Col. Ext. C. 347, 31 p. Apr. 1951. 275.29 N811

TOWNES, H., and DOBROVSKY, T. M. Tobacco insect control in North Carolina. N. C. Agr. Col. Ext. C. 351, rev., 8 p. Mar.1951. 275.29 N811

PARRISH, C. F., and others. Broiler production manual. N. C. Agr. Col. Ext. Club. Ser. 59, rev., 11 p. June 1951. 275.29 N811C

C. J. Maupin, W. G. Andrews, and T. B. Morris, joint authors. PARRISH, C. F., MORRIS, T. B., and ANDREWS, W. G. Raise better 4-H chicks. N. C. Agr. Col. Ext. Club Ser. 70, rev., 4 p. May 1951. 275.29 N811C

NORTH CAROLINA UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Handbook for agricultural workers. Ed. 7. Raleigh, 1951. 166 p. 275.29 N811H

North Dakota Agricultural College, Extension Service, State College Station, Fargo

DIETRICH, I. T. Grass seed production. N. Dak. Agr. Col. Ext. C. A-139, rev., 8 p. Dec.1950. 275.29 N812Sa

NORTH DAKOTA. AGRICULTURAL EXTENSION SERV. Feed your layers right. N. Dak. Agr. Col. Ext. C. A-151, 6 p. Nov.1950. 275.29 N812Sa

GRAVES, H. A. Fertilizers for North Dakota gardens and lawns. N. Dak. Agr. Col. Ext. C. A-152, 4 p. Jan.1951. 275.29 N812Sa

MCDONALD, M. H. Cattle feeding plans. N. Dak. Agr. Col. Ext. C. A-154, 6 p. Mar.1951. 275.29 N812Sa

COLBERG, W. J., and MUNRO, J. A. Garden pest control guide. N. Dak. Agr. Col. Ext. C. A-155, 6 p. Feb.1951. 275.29 N812Sa

STEVENS, O. A. Shrubs and trees to attract birds. N. Dak. Agr. Col. Ext. C. A-156, 6 p. Mar.1951. 275.29 N812Sa

ZAYLSKIE, J. J. Grow your own trees from cuttings. N. Dak. Agr. Col. Ext. C. A-157, 6 p. Apr.1951. 275.29 N812Sa

STEVENS, O. A. Plants and other materials poisonous to livestock. N. Dak. Agr. Col. Ext. C. A-158, 6 p.-folder. May 1951. 275.29 N812Sa

NORTH DAKOTA. AGRICULTURAL EXTENSION SERV. Grass silage. N. Dak. Agr. Col. Ext. C. A-159, 6 p. June 1951. 275.29 N812Sa

DAWSON, R. M. Vegetables. N. Dak. Agr. Col. Ext. C. A-160, 6 p. June 1951. 275.29 N812Sa

DAWSON, R. M. Fruits. N. Dak. Agr. Col. Ext. C. A-161, 6 p. June 1951. 275.29 N812Sa

DAWSON, R. M. Meats. N. Dak. Agr. Col. Ext. C. A-162, 6 p. July 1951. 275.29 N812Sa

DIETRICH, I. T. Alfalfa varieties. N. Dak. Agr. Col. Ext. C. A-165, 6 p. July 1951. 275.29 N812Sa

Ohio State University, College of Agriculture, Agricultural Extension Service, Columbus

WINTER, A. R. Pullet disease (blue comb). Ohio, Agr. Col. Ext. B. 324, 4 p. July 1951. 275.29 Oh32

OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Program, 39th annual Farm and Home Week, March 19-20-21-22, 1951. Columbus, 1951. 23 p. 275.29 Oh3

Oregon State College, Federal Cooperative Extension Service, Corvallis

FREED, V. H., WARREN, R., and LEACH, C. M. Selective weed control in grain and grass crops. Oreg. State Col. Ext. B. 719, 31 p. June 1951. 275.29 Or32B

CAMPBELL, J. C. Selecting a heating system for your home. Oreg. State Col. Ext. B. 720, 44 p. Aug. 1951. 275.29 Or32B

OREGON. STATE COLLEGE. FEDERAL CO-OPERATIVE EXTENSION SERV. 1952 Oregon Agricultural Conference, March 27-28-29. Oreg. State Col. Ext. C. 545, 6 p.-folder. Aug.1951. 275.29 Or32C

Washington State College, Extension Service, Pullman

DICKERSON, L. B. Window treatment. Wash. State Col. Ext. B. 451, 16 p. Aug.1951. 275.29 W27P

ECKBLAD, I. Baking for the family; 4-H Baking Unit III. Wash. State Col. Ext. B. 452, 8 p. July 1951. 275.29 W27P

ECKBLAD, I. Now you're an expert; 4-H Baking Unit IV. Wash. State Col. Ext. B. 453, 4 p. Aug. 1951. 275.29 W27P

Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Agricultural extension in Wisconsin; report for 1950. Wis. Agr. Col. Ext. C. 398, 31 p. June 1951. 275.29 W75C

FOOD AND AGRICULTURAL ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the library during the preceding month.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Annual report of the Government of the United States of America. Rome?1951. 172 p. 389.9 F7354

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Commodity reports; rice. Food & Agr. Organ. United Nations. Commod. Rpt. Rice 2, 29 p. Dec.15, 1950. 281.3599 F73C

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Conference of FAO. C 50/1, rev., C 50/4-C 50/5, C 50/6, rev., C 50/7-C 50/14, C 50/17 rev., C 50/20-21, C 50/42 rev. of page 1, C 50/46-C 50/47, C 50. Washington, 1950. 389.9 F735 Conc

TSONGAS, A. G. Nutrition work in Greece. F. A. O. Nutr. Studies 7, 67 p. May 1951. 389.9 F735Fan

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Council of FAO. CL 10/2-CL 10/5, CL 10/WP9, CL 11/6, CL 12/6, CL 12/8, CL 12/9-CL 12/13. Washington, 1950/51. 389.9 F7355

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The subject index for volume 15 of the Bibliography of Agriculture will appear as number 12 of volume 15, the issue of December 1951.

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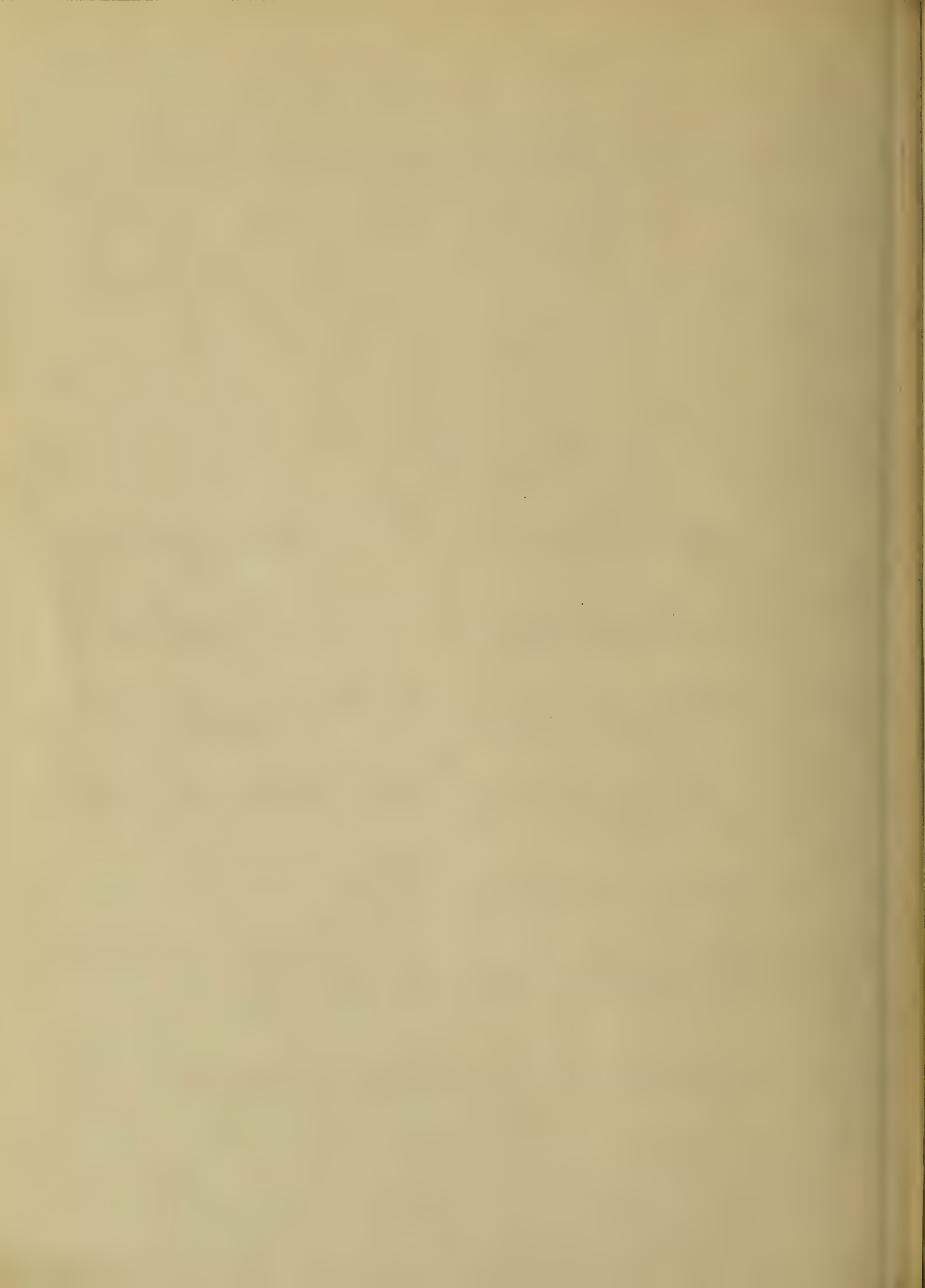
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| Chamber | 28135 | Carbon L de | 54179 | Carleton R M | 18775 | 69127 69128 | | Carneiro L S | 68785 |
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| Abies alba | *3068 | Acanthomia | | *15066 | | | 2-Acetaminofluorene |
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| Abies procera | 28365 | Acarapis woodi | | 68781 | *22455 | | in sheep physiology |
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| | | | | | | | 76302 |
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| | | | | | | | *45160 |
| | | | | | | | sheep |
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| | | | | | | | 60103 |
| | | | | | | | 3-(α -Acetonylbenzyl)-4-hy- droxycoumarin. See Warfarin. |
| | | | | | | | Acetoxime |
| | | | | | | | 38941 |
| | | | | | | | 38942 |
| | | | | | | | Acetyl |
| | | | | | | | 15681 |
| | | | | | | | 32619 |
| | | | | | | | 2-Acetylaminofluorene |
| | | | | | | | 45272 |
| | | | | | | | Acetylarsan |
| | | | | | | | 77059 |
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| | | | | | | | 22375 |
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| | | | | | | | Acetylene |
| | | | | | | | *62240 |
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| Achillea micrantha | *64100 | Lebanon | *22955 | Adenine | 60609 | *77701 *77725 | |
| Achimenes | 19628 | Solomon Islands | 22967 | Adenosine triphosphate | 46219 | anatomy and physiology | 6000 |
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| in hops | *24974 | ACTH | 29599 | vegetable | 28722 58985 | Aedes pullatus | 6012 |
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| Cordyceps militaris | 18922 | *73618 | | transmission | 64541 81443 | 34676 34687 34739 35521 | |
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| Italy | *3592 | culture | 12369 26995 27027 | 51325 58443 66289 73630 | | Illinois 34652 | 34727 *57029 |
| pests | *22600 | 27030 35488 42818 42860 | | 75196 81904 82944 82960 | | Indiana | 27010 |
| Portugal | 3598 75809 | 50114 57009 57014 57019 | | 82980 83009 *2713 *28060 | | Iowa | 50162 *50150 |
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| Anglo-Egyptian Sudan | 6095 | U S S R | *7915 *24045 | Mexico | *11372 | types | 41740 |
| 6117 77764 | | *24085 *54795 | | Mississippi | 2497 | Union of South Africa | 9341 |
| Arizona | 77159 | products | 54744 | North Carolina | 51335 | U S S R | *51007 |
| Australia | 60698 | properties | 7933 16226 | Texas | 35958 | utilization | 7818 7870 |
| Brazil | *14670 | 16234 24000 24012 24114 | | U S S R | *34788 *58136 | 7913 7993 24037 32012 | |
| Colombia | *60530 | 32081 54801 54819 70441 | | South Carolina | 34762 | 32085 70462 70521 79027 | |
| control 5284 5338 5339 | | 70448 70475 70515 70538 | | Southern States | 87445 | 79102 | |
| 11371 14585 14609 14626 | | 70559 79007 79030 79036 | | spinning | 7834 7836 | industrial | 70541 |
| 14627 14650 14931 14949 | | 79077 81936 *61977 *70491 | | 24035 40222 61998 70559 | | U S S R | *24079 |
| 30214 30938 30940 38175 | | *87405 | | 78995 87388 *7871 *7906 | | varieties | 1211 1216 |
| 38181 38191 38230 38251 | | public relations | 79108 | *7958 *16293 *40206 *47498 | | 19052 26751 31064 40204 | |
| 38259 38260 38268 38270 | | quality 7911 7997 16250 | | *47499 *87423 | | 40239 42903 47521 50172 | |
| 38296 38307 45830 45836 | | 24012 40148 42916 42924 | | equipment 79017 87366 | | 50186 63712 87467 *18686 | |
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| 45868 45878 45892 45893 | | 61998 62045 66239 70506 | | *70528 *70531 | | Alabama | 73642 |
| 45926 45930 46162 53104 | | 70565 78992 79070 79072 | | Japan | 61999 *47429 | Egypt | 1191 |
| 53440 60263 60276 60295 | | 87388 87464 *6569 *24041 | | tests 16329 24057 47443 | | Georgia | 42909 |
| 60393 60399 68573 68586 | | *47459 *79001 *79095 | | 47521 87467 | | India | 7971 19053 |
| 68602 77214 81925 86343 | | Brazil | *79020 | U S S R | *24104 *54692 | Mississippi | 34764 34765 |
| *5385 *15163 *22361 *22391 | | Egypt | 32013 | spraying and dusting | 14594 | 42917 | |
| *38173 *46476 *86079 | | India | 47436 | 14931 38268 38566 45834 | | Mysore | 65189 |
| Brazil | *85620 | North Carolina | 54764 | 60399 85933 *46038 | | New Mexico | 65195 |
| conferences and congresses | 38191 45904 45933 | statistics | 40229 | equipment | 46748 | Oklahoma | 65187 |
| Egypt | 46536 *6327 | U S S R | *7917 *24079 | seasonal | 14650 38209 | Pakistan | 27067 |
| *38830 | | *24085 | | U S S R | *5446 | Peru | *27044 |
| El Salvador | *14696 | research | 47514 54825 | stalks | 4158 66955 *46711 | Texas | 1197 19051 34774 |
| equipment | 31250 | 62050 79047 79051 87339 | | staple length | 7836 7992 | 50175 57098 87421 | |
| Georgia | 38170 38196 | *7883 | | 8003 24070 40181 47446 | | Union of South Africa | 87472 |
| 45866 | | Egypt | 47423 | 54817 62005 62040 70551 | | waste | 4158 7866 7949 |
| Missouri | 77153 | France | *70479 | statistics | 7992 24074 | 16265 32026 *87405 | |
| New Mexico | 68616 | Gt Brit | 70461 | 24137 40171 47987 54768 | | wax | 16250 |
| North Carolina | 53123 | Rio Grande Valley | 80121 | 61969 63720 70556 70558 | | weed control | 11371 35630 |
| Peru | 53789 *22436 *30322 | sampling | 32112 40218 | 79049 79117 87461 87462 | | 43553 43593 43665 57937 | |
| South Carolina | 38294 | seeds | 1219 24827 *27069 | *87476 | | 64909 73645 74631 | |
| Southeastern States | 45916 | biochemistry | 11093 | Australia | 16218 | weight and measurement | |
| Texas | 38295 45842 | dyeing | 1200 | Brazil | *78998 *79064 | 32110 *79018 | |
| 60504 | | germination | 64833 | Egypt | 32023 87372 | wild | *72584 |
| Union of South Africa | | India | 42905 | Georgia | 9431 | yarn | 16254 61924 62027 |
| Venezuela | 30279 | North Carolina | 26955 | India | 16256 24069 70478 | 87396 *7930 *70491 | |
| Egypt | *68963 | Peru | *34763 *71284 | Pakistan | 7894 | yields | 19052 66301 79077 |
| El Salvador | *22338 | proteins | 71091 | Turkey | *16327 | 85850 *27069 | |
| French West Africa | *5427 | Southern States | 27043 | storage | 7988 54803 62602 | Arkansas | 42896 |
| India | 6081 53602 69277 | treatment | 26346 | 79101 87468 | | Egypt | 50193 |
| Ivory Coast | *77194 | 26743 34163 42236 56511 | | subsidies | 40233 | Mississippi | 42910 |
| Mexico | *5403 *38277 | *69288 | | substitutes | 7870 47434 | North Carolina | 51335 |
| Morocco | *38200 | Sierra Leone | 73657 | tests | 7998 34765 54726 | Texas | 42907 44129 66358 |
| New Mexico | 367 | situation and outlook | 7849 | 54754 54756 54801 78992 | | Virginia | 42923 |
| Peru | *14652 *22348 | 7859 7903 7937 7956 | | 79097 87421 *32075 *32076 | | See also Cottonseed. | |
| research | 38175 38191 | 16286 16297 16308 16309 | | *32088 *47459 *79095 | | Cotton aphid. See Aphis gos- | |
| 38259 45825 45862 45880 | | 16319 24001 24109 24142 | | equipment | 32111 *16232 | syptii. | |
| 45925 | | 32057 32092 32104 32116 | | Texas | 34768 47443 65186 | Cotton (Centralised Buying) | |
| situation and outlook | 60296 | 40179 40201 40209 40227 | | textiles | 7993 8003 24096 | Act, 1947 | 40160 |
| Texas | 60396 | 40231 40238 47449 47453 | | 32024 32082 32117 54823 | | Cotton Council. See National | |
| Union of South Africa | 53182 | 47522 47527 54706 54739 | | 70450 70525 79002 79134 | | Cotton Council. | |
| Venezuela | *30227 | 54766 54822 54824 54827 | | 87338 *24064 *24117 *24132 | | Cotton fleahopper. See Psallus | |
| planting | 19055 27071 81926 | 61937 61938 61968 61997 | | *47493 | | seriatus. | |
| *19044 | | 63712 79130 87380 *40138 | | Gt Brit | 32120 | Cotton Insect Control Confer- | |
| Arizona | 50189 57103 | *40182 *47413 *48622 *70443 | | India | 7947 87344-87346 | ence | 45933 |
| Mexico | *34775 *42912 | *70445 *70523 *79042 *79053 | | 87361 87368 87417 87429 | | Cotton leafworm. See Alabama | |
| polices and programs | 7990 | *79058 *87354 *87457 | | 87430 87434 87435 87442 | | argillacea. | |
| 16337 54810 54820 87364 | | Africa | *79037 | industry | 16291 *7918 | Cotton Producers' Association | |
| Ecuador | *7865 | Alabama | 47507 | Japan | 47393 | 62000 | |
| Egypt | 8009 79088 | Algeria | *34759 *78996 | marketing | 7834 | Cotton Research Congress | |
| India | 47500 87428 | Arizona | 47414 | Mexico | *32007 | 54702 87454 | |
| Peru | *34763 | Australia | 87379 | Pakistan | 7812 | Cotton stainer. See Dysdercus | |
| Texas | 47424 | Brazil | *16294 | processing | 70454 70524 | sutrellus. | |
| pollination | 11367 *1212 | Canada | 24095 | 70544 79096 | | Cottoniella | *64209 |
| *26706 *46037 *49790 | | Cyprus | 40199 | properties | 7877 87384 | Cottonseed | 79649 87474 |
| prices | 7864 7888 7911 | Egypt | 47425 | Spain | *24147 | analysis and composition | |
| 32012 32051 32056 48894 | | French Equatorial Africa | *61944 | trade | 10015 | 8765 *8684 *20130 | |
| 79106 87376 87465 *61949 | | Gt Brit | 32120 61988 | India | 87368 | directories | 8719 |
| *87424 | | 79131 | | Italy | 48931 | feed | 4149 |
| Brazil | 40233 *40118 *79064 | India | 40119 40212 47396 | Switzerland | 48920 | grading and standardization | |
| control | 47405 47442 | 70534 87431 | | tillage | 2589 | 79665 79732 | |
| 47516 54797 61938 | | Japan | 40193 *47452 | trade | 7937 10047 41740 | hulls | 4158 13504 |
| Mexico | *32007 | Mississippi | 61951 | 48894 48909 48933 55974 | | industry | 8791 32601 70564 |
| | | | | 63712 63720 *88756 | | India | 62593 |

* Text of this reference is not in English.

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| processing | 8754 8791 | Kern 35518 51248 61450 | | Lincoln | 12260 | Renville | 80307 |
| 24714 24718 32592 40737 | | 62069 71285 | | Osage | 66177 | Ohio | |
| 47978 79633 79653 79656 | | Kings | 80340 | Riley | 12261 | Ashland | 2759 |
| 79664 79704 87938 87960 | | Lake | 26210 | Rush | 12262 | Ashtabula | 12435 |
| costs | 8763 | Lassen | 9526 48531 | Saline | 2254 | Coshocot | 25303 |
| industry | 55186 62635 | Los Angeles 17420 22092 | | Smith | 66175 | Huron | 60867 |
| 62588 62643 71128 71162 | | 28519 32679 39776 40696 | | Thomas | 12263 | Oklahoma | |
| Texas | 31419 | 46890 48532 55714 61596 | | Washington | 20087 | Grant | 14979 |
| products | 47984 58985 | Marin | 6013 | Wyandotte | 8030 | Kingfisher | 41666 |
| 76923 | | Mendocino | 26210 | Kentucky | | LeFlore | 55836 |
| quality | 16906 | Merced | 6047 | Harlan | 10511 | McClain | 6539 |
| research | 71128 79689 | Modoc | 80339 | Jefferson | 49159 | Murray | 1343 |
| 79729 | | Monterey | 48537 | Marion | 24741 | Pontotoc | 15951 |
| situation and outlook | 47522 | Orange | 6014 55713 | Marshall | 2384 | Woods | 43878 |
| *47967 | | 80341 | | Spencer | 63519 | Woodward | 83207 |
| statistics | 40746 47987 | Placer | 63323 82020 | Maine | | Oregon | |
| 70556 | | Riverside | 46270 63322 | Aroostook | 9462 24241 | Baker | 10227 |
| storage 32599 40734 79633 | | 80342 | | 29141 41343 | | Curry | 10510 |
| 79646 | | Sacramento | 55715 | Maryland | | Douglas | 24514 |
| toxicity | 84622 | San Bernardino | 17563 | Caroline | 45602 | Gilliam | 84466 |
| utilization | 8754 7906 | 17564 33099 33232 48527 | | Harford | 45558 | Grant | 67704 |
| *79703 | | 48534 48539 | | Howard | 67741 | Jefferson | 57238 |
| Cottonseed flour | 67091 | San Diego | 9524 9528 | Massachusetts | | Josephine | 24961 |
| Cottonseed meal | | 48533 71774 71775 | | Essex | 18331 | Malheur | 10227 |
| analysis and composition | | San Joaquin 9529 27194 | | Hampshire | 17692 | Morrow | 71567 |
| 62600 | | 48535 71771 | | Worcester | 17693 | Sherman | 71678 |
| care and handling | 62598 | San Luis Obispo | 48536 | Michigan | | Umatilla | 71628 |
| chemistry | 8771 | Santa Barbara | 9527 | Cheboygan | 42096 | Union | 10227 |
| feed | 4149 4169 4170 | Santa Clara | 48537 | Emmet | 42096 | Wallowa | 10227 |
| 4737 13158 13191 13510 | | Santa Cruz | 48537 | Mackinac | 42096 | Wasco | 70573 71649 |
| 14015 14059 14074 14483 | | Siskiyou | 44329 | Newaygo | 74793 | Wheeler | 71642 |
| 14515 21408 37122 37142 | | Solano 33233 41378 63326 | | Presque Isle | 42096 | Pennsylvania | |
| 37972 45035 45037 59070 | | Sonoma | 23698 42935 | Minnesota | | Beaver | 33714 |
| 59384 59790 60075 60157 | | 63325 | | Carlton | 36292 | Chester | 5267 |
| 60179 67084 67478 68070 | | Stanislaus | 24771 27194 | Cass | 83471 | Cumberland | 63872 |
| 68432 76206 76220 76237 | | 69666 71776 | | Meeker | 48154 | Erie | 43200 |
| 85371 85372 85396 *28905 | | Sutter | 71777 | Wright | 48154 | Fulton | 83187 |
| nutritive value | 14462 62572 | Trinity | 83453 | Mississippi | | Lancaster | 82077 |
| 87091 67094 67104 68040 | | Tulare | 14444 41377 | Bolivar | 80532 | Lehigh | 9461 |
| 75909 | | 42342 44032 48538 80338 | | Choctaw | 71925 | Montgomery | 17526 |
| processing | 13510 14515 | 80343 81203 | | Coahoma | 58170 | Northampton | 9472 10559 |
| 21408 28722 37122 62572 | | Ventura | 9531 11658 | Lee | 55858 | Schuylkill | 41294 |
| 62574 62609 62646 68040 | | 61459 | | Pike | 9252 25290 | South Carolina | |
| properties | 24696 62646 | Yolo | 54356 57834 | Scott | 55102 | Pickens | 58506 |
| proteins | 59790 68070 | Colorado | | Missouri | 84286 | Spartanburg | 56594 |
| 85372 | | Boulder | 77539 | Dent | 33331 | South Dakota | |
| research | 62549 | Morgan | 7418 15971 | Mercer | 15987 | Hand | 25490 |
| storage | 62598 | Park | 6474 | Shelby | 9686 | Stanley | 36120 66445 |
| pests | *68920 | San Luis | 2519 | Webster | 34884 | Tennessee | |
| toxicity | 59178 | Florida | | Montana | | Campbell | 14974 |
| Cottonseed oil | | Jackson | 9447 | Beaverhead | 87799 | Fayette | 56143 |
| analysis and composition | | Georgia | | Cascade | 25497 | Rutherford | 71904 |
| 16884 32616 | | Cherokee | 25546 85153 | Nebraska | | Texas | |
| chemistry | 16900 | Grady | 8122 | Adams | 25447 | Atascosa | 20311 |
| extraction | 8780 24714 | Walker | 63077 | Clay | 25447 | Bastrop | 34913 |
| 24718 47945 47998 79636 | | Walton | 63587 | Fillmore | 25447 | Deaf Smith | 40896 |
| 79653 79663 79664 79713 | | Idaho | | Hamilton | 25447 86684 | Frio | 58287 |
| 79720 | | Franklin | 36035 | Harlan | 25502 | Jack | 66500 |
| grading and standardization | | Jerome | 57356 | Otoe | 2370 | Lamar | 27939 |
| 79665 | | Minidoka | 57356 | York | 25447 | Lipscomb | 69404 |
| India | 62649 | Palouse | 88386 | New Jersey | | Milam | 58496 |
| marketing | 8787 87971 | Illinois | | Atlantic | 48526 | Navarro | 55511 |
| nutritive value | 33551 | Christian | 12222 | Sussex | 83216 | Parmer | 58193 |
| processing | 32585 87971 | Knox | 63430 | New Mexico | | Pecos | 52113 |
| properties | 24666 62576 | Iroquois | 58179 | Roosevelt | 21406 88301 | Val Verde | 63456 |
| *79661 | | Indiana | | New York | | Utah | |
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| Cottony - cushion scale. See | | 42399 42665 | | Cayuga | 51454 | Cache | 28100 88444 |
| Icerya purchasi. | | Marion | 42128 | Lewis | 88427 | Davis | 2647 |
| Couch grass. See Quackgrass. | | Parke | 39012 | Livingston | 48460 63224 | Summit | 88566 |
| Coumarin | 34406 70003 | Porter | 42093 | 71770 | | Virginia | |
| 73385 *64898 *73389 | | Randolph | 32 | Monroe | 48550 71969 | Carroll | 9653 33338 |
| Counties | | Iowa | | Niagara | 41403 71798 | Charlotte | 9654 |
| Alabama | | Boone | 13380 | Oneida | 9226 63606 | Grayson | 33338 |
| Baldwin | 63090 63307 | Dickinson | 72544 | Onondaga | 33351 | Washington | |
| Clay | 20369 | Hamilton | 48596 | Orange | 71798 | Clallam | 66160 |
| Geneva | 63472 | Lee | 81979 | Orleans | 8293 | Grays Harbor | 13259 |
| Lawrence | 42106 | Monona | 74792 | Rensselaer | 9281 | Kittitas | 58990 |
| Shelby | 57218 | Story | 41470 55804 | Rockland | 42697 | Whitman | 58495 |
| Arkansas | | Kansas | | Suffolk | 2661 53597 | West Virginia | |
| White | 55791 | Chautauqua | 12255 | Ulster | 71798 | Greenbrier | 55799 |
| California | | Clay | 12256 | Yates | 55710 | Randolph | 17742 |
| Alameda | 48529 77699 | Douglas | 20086 | North Carolina | | Wisconsin | |
| Butte | 48528 | Ellis | 31338 | Ashe | 10283 | Door | 46442 |
| Colusa | 2639 9525 | Geary | 43941 | Pasquotank | 82870 | Green | 7404 |
| Fresno | 18350 37209 | Greenwood | 12257 | Rockingham | 55935 | Shawano | 87848 |
| 41379 55712 71772 88429 | | Harvey | 12258 | Wake 14120 25531 88660 | | See also Government, county. | |
| 88430 | | Johnson | 12259 | North Dakota | | Country Landowners' Associ- | |
| Humbolt | 71773 | | | Morton | 74788 | ation | 17848 33434 |

* Text of this reference is not in English.

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| 21129 33344 | 41512 41580 | ply Society | 39484 | analysis and composition | | cooperatives--cont. | |
| 41593 44197 | 49414 51842 | Crab louse. <u>See</u> Phthirus pu- | | 70165 70185 70201 *39829 | | 48241 48245 62922 62923 | |
| 58331 63531 | 74733 78875 | bis. | | *87076 | | 71469 *25021 *48216 *55447 | |
| 80512 88649 | | Crabapples | 24326 65792 | bacteria | 31839 47230 | *79981 | |
| directories | 88556 | 74318 *19380 *65521 | | 54498 61658 70172 | | Algeria | *17201 *71466 |
| New York | 14293 | Crabgrass. <u>See</u> Digitaria. | | Canada | *61626 | Austria | *17194 |
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| Kentucky | 83519 | Crabro (Solenius) | *77828 | 61747 70141 *7704 | | Canada | 17184 79989 |
| Missouri | 71952 | Crabs | 48177 | chemistry | 70358 87083 | France | *25009 *62920 |
| New York | 14251 | Crabwood. <u>See</u> Carapa guia- | | collection | *87124 | *79968 *79992 | |
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| Coupeia | *16381 | Crafts. <u>See</u> Handicrafts; and | | contamination | *54541 | Italy | 79967 |
| Cournot A A | *62894 | names of crafts. | | cooling | 6728 61831 *23949 | Netherlands | *41051 |
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| 58280 66219 73583 83041 | | Crambus cassentiniellus | | freezing | 16142 23934 | El Salvador | 48247 *88166 |
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| Indonesia | *20707 | advertising | 8137 54908 | moisture | *31746 *39829 | Germany *7174 | *9105 *9119 |
| Italy | *35892 | conferences and congresses | | pasteurization | 69557 70178 | *9138 *17195 *62913 *79984 | |
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| orchards | 2420 2499 | cooperatives | 79181 | prices | 87194 | Guatemala | 48248 |
| 2503 11633 12331 20143 | | costs and returns | 11730 | processing | 54619 87057 | Honduras | 55453 |
| 34944 35898 43089 66247 | | 33234 | | 87065 *7661 *7699 *31777 | | Idaho | 48250 |
| 74851 82998 *12366 *50424 | | diseases | 10649 64302 | *31882 *39971 *40002 | | Illinois | 48232 |
| *51345 *86294 *74051 *74074 | | 73114 | | Canada | *61780 | India | 25035 79978 79990 |
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| Netherlands | *74852 | harvesting | 11730 27358 | *23786 | | Iowa | 41056 |
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| seeds | 88084 | industry | 54867 | 61747 70361 | | Italy | *9128 *17202 *17212 |
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| 5204 84324 | | pests | 15061 | sterilized | *16126 | *88181 | |
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| *52361 *67224 | | quality | 8177 | synthetic | 86993 | Kenya | 48236 |
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| *81716 | | cold | 54968 | Cream separators | 6738 | mortgage | 9137 17187 |
| culture | *11393 | varieties | 70757 | 60965 70334 86560 *6745 | | 41053 55458 71470 79974 | |
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| genetics | 42495 42498 | Mineola vaccinil. | | Creameries. <u>See</u> Milk plants. | | Canada | 17181 71461 |
| 81576 | | Cranberry sauce | 47615 | Creangium n g | *33928 | Chile | *17182 |
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| pests | 5709 *5427 | diotus oxycoccus. | | Creatine reaction | *78769 | Georgia | 48251 |
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| yields | 81952 | Cranbrook Institute | | Credit | 9110 9122 9129 | Gt Brit | 9117 41050 88170 |
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| 75988 *5676 *21108 *59169 | | Cranes | 3391 *3398 | 25025 31387 32926 32938 | | India | 9112 25026 25038 |
| *60079 *79576 | | Cranichia | 10573 | 33042 41041 41061 41064 | | 33462 55448 62944 62951 | |
| Coxsackie viruses | 46506 | Cranioophora | *30936 | 41065 48217-48219 48233 | | Midwestern States | 32934 |
| Coyotes | 29060 29392 33587 | Crankshafts | *46781 *54047 | 48235 48243 55443 55806 | | South Carolina | 48253 |
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| Coypus | 29544 76492 | Craspedopterus n g | *38523 | 71481 79975 *9628 *25028 | | Wisconsin | 62915 |
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| *21713 | | Crassula congesta | 65660 | Africa | 79980 | *63128 *79979 | |
| Austria | *4525 | Crassula grisea | 33824 | Argentina | 17200 *71457 | Nicaragua | 32940 |
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| *52482 *52486 *67863 *67864 | | Crassula multicava | 5323 | 55457 *48254 *71464 | | policies and programs | 32929 |
| *67880 | | Crassulaceae | *81030 | Austria | *17215 | 33304 79993 | |
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| 54853 79149 | | Austria | *62135 | 87681 *46827 | | New Zealand | 60284 |
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| preharvest drop | 50026 | | 77234 | | | *32246 | *33961 | *33967 | Europe | 72165 | 88766 |
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| *40365 | | | 60389 | *62183 | | England | | 81380 | Gt Brit | 63718 | 88719 |
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| Canada | | 47627 | California | | 50448 | France | | *77204 | Italy | *25738 | *32275 |
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| 87436 *70437 | report 41933 | | |
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* Text of this reference is not in English.

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* Text of this reference is not in English.

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| *16094 *31757 *31812 *31854 | India | Louisiana | 39841 39858 47225 47227 | |
| *31865 *31869 *39963 *47312 | Italy | Netherlands | 47244 52317 54496 61651 | |
| *54278 *54569 *61768 *70285 | Netherlands | Northeastern States | 61665 61675 70210 70219 | |
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| Netherlands | Wisconsin | *7601 | Michigan | 23888 |
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| South Carolina | 7612 7614 7633 16067 | *55728 *59401 *60174 *67508 | by truck | 39893 |
| Southern States | 23870 23880 23886 39924 | *68433 *77021 *85368 | Connecticut | 78793 |
| Sweden | 39935 39938 47282 47295 | fortified | costs | 23837 31824 47270 |
| *16090 | 47310 54540 54543 54545 | nutritive value | England | 31816 |
| Switzerland | 54556 61744 78816 84558 | *63779 | equipment | 31805 54538 |
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| *70335 *70378 *78906 | Michigan | processing | Goat's milk; Horse's milk; | |
| Germany | Missouri | proteins | Human milk; Sheep's milk; | |
| Italy | New Jersey | quality | Swine's milk; Yoghurt; and | |
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| | | *87259 | accounting | |
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| North Dakota | 65843 | | Belgium | Australorp | 13944 59761 | *84950 | |
| Peru | *19822 | | bibliographies | Golden | 84978 | Laced | *76585 |
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| weed control | 2447 82587 | | 29681 37555 37556 37559 | Houdan | *52592 | 4896 4899 4903 4907 | |
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| Western States | 12043 | | | | | | |
| 35614 | | | | | | | |

* Text of this reference is not in English.

| Poultry--Cont. | | | | Poultry--Cont. | | | | Poultry--Cont. | | | | Poultry--Cont. | | | |
|----------------------------|--------|--------|--------|--------------------------|--------|--------|--------|-----------------------|--------|--------|--------|------------------------|------------|--------|--------|
| care--cont. | | | | costs and returns--cont. | | | | egg production--cont. | | | | equipment--cont. | | | |
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| Poultry--Cont. | Item | Poultry--Cont. | Item | Poultry--Cont. | Item | Poultry--Cont. | Item |
|------------------------------|------------------|-----------------------------|---------------------|-----------------------------|-------------------|-----------------------------|----------------------|
| feeding and nutrition--cont. | | flock size | 4938 37828 | hatching--cont. | | industry--cont. | |
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| Algeria | *85029 | 29789 29795 29822 45453 | | maintenance and repair | | Pennsylvania | 8835 59949 |
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| Austria | *14064 *76667 | 68057 68099 68157 76623 | | Northern Ireland | 85172 | Prince Edward Island | 40827 |
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| Canada | 59936 85038 | habits and behavior | 4905 | 23234 46834 61126 *15574 | | Siam | 29685 |
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| Netherlands | *68077 *70407 | Gt Brit | 59759 | 21853 21862 37567 37575 | | Vermont | 32714 |
| Northern Ireland | 85172 | Indiana | 4962 | 37820 39627 39634 45427 | | Virginia | 14303 17014 |
| Norway | *21879 | Netherlands | *37728 | 59753 67964 76611 *37580 | | 24785 | |
| pasture and range | 4718 | New York | 14293 | *52613 | | Intelligence | *85065 |
| 4720 22004 34923 37784 | | Pennsylvania | 59973 59974 | icing | 48090 62677 62720 | Iowa | 37759 |
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| 69660 *21872 *29728 *59822 | | South Carolina | 79769 | industry | 4930 4970 8808 | Japan | *52754 *52780 |
| *59994 *76674 *85008 | | Union of South Africa | 59964 | 8809 8896 8897 16927 | | judging | 13987 14278 29871 |
| Philippines | 4735 | Washington | 55254 | 17018 17019 32682 32723 | | *14299 *76792 *76811 | |
| research | 14025 52618 | hatching | 4671 4928 | 32725 45571 48042 48051 | | keeping quality | 40830 |
| 68026 68058 | | 14041 14175 14288 14305 | | 48074 48078 52795 59984 | | labor | 4958 17283 17315 |
| seasonal | 4756 29736 | 21996 22018 31163 37844 | | 62674 62727 76790 79788 | | 29882 31175 31305 33003 | |
| 45570 | | 45578 48078 52806 59784 | | 79977 80378 *37786 *59982 | | 33200 37813 52651 59958 | |
| statistics | 85037 | 59967 60954 68293 76753 | | *88042 | | 63054 71534 71555 71557 | |
| Sweden | *45474 | *4921 *4934 *13981 *14327 | | Arkansas | 32686 37747 | *6630 | |
| Switzerland | *85034 | *29920 *37846 *39076 *39860 | | 68267 84973 | | Pennsylvania | 14224 |
| U S S R | *14026 *14055 | *52746 *52766 *68268 *76746 | | as an occupation | 4913 | U S S R | *59944 |
| *14091 *14095 *37622 *37639 | | *76797 | | 4985 9544 14266 21994 | | litter | 4743 4875 4910 |
| fertility | 4671 13942 29640 | Germany | *37846 | 22000 22028 37800 52733 | | 4929 4936 4943 14148 | |
| 29657 29677 37647 59763 | | Netherlands | *4978 | 55225 55243 59747 59935 | | 14220 14242--14245 22056 | |
| 59778 67967 76588 *29648 | | North Carolina | 62698 | 68230 85150 *68204 *76812 | | *22062 29789 29866 29894 | |
| *68017 | | research | 14298 | Australia | 48049 62683 | 29901 29905 29932 29938 | |
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* Text of this reference is not in English.

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| 37771 | 37776 | 37806 | 37842 | Gt Brit | 29909 | 40813 | 59920 | 16987 | 32640 | 17010 | 24747 | 24790 | 24794 | 32646 | 32674 | 32689 | 32713 | | |
| 37865 | 45554 | 45560 | 45572 | Illinois | 14260 | 59903 | 59903 | quality | 8867 | 24777 | 24780 | 37780 | 40786 | 40804 | 48019 | 48019 | 48019 | | |
| 45590 | 45619 | 52630 | 52640 | Indiana | 52798 | 52773 | 52773 | 32645 | 40805 | 40826 | 59932 | 52762 | 62665 | 62685 | 62694 | 62694 | 62694 | | |
| 52735 | 52763 | 52797 | 59760 | Kansas | 68174 | 68174 | 68174 | 71223 | 84990 | 87990 | *48075 | 62726 | 71220 | 71222 | 71242 | 71242 | 71242 | | |
| 59923 | 59934 | 59940 | 59943 | Michigan | 14236 | 14236 | 14236 | *79781 | records and testing | 4884 | 4884 | 79741 | Arkansas | 8823 | | | | | |
| 59997 | 68173 | 68195 | 68215 | North Carolina | 68289 | 68289 | 68289 | 4923 | 4964 | 4974 | 4980 | Arkansas | 8823 | | | | | | |
| 68245 | 68258 | 68273 | 71775 | Oklahoma | 76612 | 76612 | 76612 | 4981 | 4984 | 13965 | 14214 | California | 79761 | | | | | | |
| 76742 | 76757 | 76784 | 76802 | Philippines | 68219 | 68219 | 68219 | 14237 | 14282 | 14297 | 14317 | Canada | 16917 | 16926 | | | | | |
| 85124 | 85134 | 85135 | 85168 | South Carolina | 14217 | 14217 | 14217 | 22002 | 22060 | 29636 | 29846 | *24767 | Germany | *48018 | | | | | |
| 85178 | *29858 | *29930 | *45594 | Washington | 22003 | 22003 | 22003 | 29850 | 29922 | 29933 | 29934 | Gt Brit | 8866 | 29908 | | | | | |
| *52742 | *54072 | *85007 | *85145 | West Virginia | 21944 | 29761 | 29761 | 29950 | 37839 | 37840 | 45579 | 29910 | 32711 | 68270 | | | | | |
| 85183 | | | | metabolism | 68094 | 68107 | *21977 | 45623 | 52729 | 52751 | 52757 | Netherlands | *8895 | *40839 | | | | | |
| losses | | 45508 | | 68094 | 68107 | *21977 | | 52806 | 59752 | 59784 | 59896 | *55251 | *79782 | | | | | | |
| marketing | 8877 | 8892 | | Midwestern States | 71261 | 71261 | | 60006 | 68234 | 68296 | 76592 | Scotland | 29916 | | | | | | |
| 8898 | 16957 | 16968 | 16978 | Molting | 4906 | 84992 | *4914 | 76768 | 85169 | *4963 | | Southeastern States | 32724 | | | | | | |
| 16996 | 17008 | 17012 | 24756 | *4954 | *45593 | *76732 | *76779 | Austria | *14289 | *29925 | | 32726 | | | | | | | |
| 24792 | 32645 | 32667 | 32676 | Morocco | *4916 | *68188 | | Belgium | | *22025 | | *45564 | cooperatives | 62675 | | | | | |
| 32709 | 40797 | 40810 | 40835 | 76783 | | | | California | 14228 | 14229 | | costs | 25393 | 62675 | | | | | |
| 48065 | 55236 | 55244 | 62679 | mortality | 14061 | 14078 | | Canada | 14235 | 14255 | | Spain | *22058 | *37768 | *37841 | | | | |
| 71197 | 71224 | 79711 | 87978 | 14112 | 14148 | 14150 | 29789 | 68193 | | | | *68205 | *68242 | *68243 | | | | | |
| 87987 | 88019 | 88457 | | 29824 | 37710 | 37845 | 45581 | Denmark | 14320 | *14238 | | statistics | 8890 | 40846 | | | | | |
| Arkansas | | 32647 | | 68293 | 76697 | 76724 | *21924 | Georgia | | 52586 | | 40850 | 40882 | 54633 | 68287 | | | | |
| California | 32691 | 79737 | | 68293 | 76697 | 76724 | *21924 | Germany | *52776 | *76734 | | 88034 | | | | | | | |
| Canada | | 87986 | | nests | 21999 | 22059 | 52748 | *76735 | *76754 | *76771 | | California | 71258 | | | | | | |
| Connecticut | 24250 | 48093 | | 52764 | 68197 | 69464 | 78056 | Gt Brit | 22041 | 76580 | | Canada | 62672 | 68193 | | | | | |
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| England | | 62703 | | *45437 | *76736 | | | New York | | 37824 | | Germany | *8880 | *71210 | | | | | |
| Georgia | | 86820 | | New York | | 14293 | | North Carolina | | 37824 | | Italy | *62702 | | | | | | |
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| Nebraska | | 48041 | | 62686 | 88037 | | | Pennsylvania | | 45599 | | North Dakota | 79629 | | | | | | |
| New York | | 16931 | | packing | | 8855 | | Scotland | | 85204 | | South Carolina | 62545 | | | | | | |
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| Oregon | | 32664 | | 59864 | 68123 | *4787 | *21918 | regulation and inspection | | | | sterility | 76726 | | | | | | |
| Pacific Northwest | | 16918 | | *21983 | *29784 | *30302 | *38594 | 8610 | 8807 | 8885 | 8887 | storage | 8819 | 40805 | 40830 | | | | |
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| regulation and inspection | | | | 60468 | 68587 | 77193 | *37704 | 31163 | 32670 | 55237 | 68167 | 59937 | 59939 | 59977 | 59983 | | | | |
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| | | | | Michigan | 68174 | | | 59928 | 59932 | 59939 | 59958 | 59900 | 59937 | 60005 | 68201 | | | | |
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| | | | | predators | 4941 | 37787 | | *68005 | | | | 29854 | 29941 | 59900 | 68173 | | | | |
| | | | | 76775 | | | | sexing | 4942 | 14209 | 59925 | 68178 | 71775 | *4961 | *29836 | | | | |
| | | | | prices | 16945 | 17018 | 32643 | *4653 | *4920 | *22032 | *22049 | *29858 | *29893 | | | | | | |
| | | | | 32725 | 40847 | 48057 | | *43435 | *52802 | *76798 | 85120 | henyard | 14281 | 37816 | | | | | |
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* Text of this reference is not in English.

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| Soils--Cont. | Item | Soils--Cont. | Item | Soils--Cont. | Item | Soils--Cont. | Item |
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| analysis--cont. | | classification--cont. | | fertility--cont. | | | |
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* Text of this reference is not in English.

| Soils--Cont. | | | Item | Soils--Cont. | | | Item | Soils--Cont. | | | Item | Soils--Cont. | | | Item |
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* Text of this reference is not in English.

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| | Item | | | Item | | | Item | | | Item | |
|----------------------------|--------|--------|-----------------------------|--------|-------------|----------------------------|--------|--------|---------------------------|--------|---------------|
| Wheat--Cont. | | | Wheat--Cont. | | | Wheat--Cont. | | | Wheat--Cont. | | |
| contamination | 8394 | 30274 | diseases--cont. | | | industry | 55043 | 88817 | pollination | | *26706 |
| 65895 | | | resistance--cont. | | | *16656 | | | U S S R | | *27004 |
| contests | | | *18480 *42247 *49468 | *64368 | | Belgium | | *16656 | Portugal | | *57003 |
| Italy | *1090 | *73562 | *64428 *64448 | | | Brazil - | *41719 | *47748 | prices | 62358 | *47711 *70821 |
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| cooperatives | | | Australia | | 56456 | Canada | | *16544 | control | | |
| France | | *8414 | Chile | | *18479 | Gt Brit | | 8330 | Algeria | | *70837 |
| costs and returns | | | Mexico | | 49530 | Missouri | | 8413 | France | | *87745 |
| England | 41396 | 71787 | transmission | | 64540 | New York | 47732 | 79423 | France | | *24372 *70868 |
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| Kansas | | 48503 | drought resistance | | | 49325 | 64968 | 65149 | Spain | | *32354 *40463 |
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| culture | 2605 | 58379 | ecology | | *42408 | irrigation | | | Spain | | *47750 |
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| *42861 | *57000 | *65150 | Ethiopia | | 61245 | Italy | *42398 | *50122 | cookery | | 33544 |
| Algeria | | *73605 | exchanges | | | Japan | | *19017 | properties | | 55041 |
| Argentina | | *1172 | Spain | | *40464 | Kansas | | 48503 | proteins | | 8333 |
| Australia | | 34649 | extracts | | 26410 | labor | | | 20184 | 20185 | 47722 |
| Queensland | | 1105 | farms | | | Spain | | *88239 | *63767 | | |
| Brazil | *42863 | *42886 | Australia | | 9662 | Latin America | | 62285 | Canada | 24366 | 24376 |
| Columbia Basin | | 65157 | management | | | losses | *11282 | *42278 | North Dakota | | 40475 |
| England | | 71721 | Australia | | 80312 | marketing | | 8309 | quality | 8393 | 16625 |
| Finland | | *34691 | Georgia | | 9440 | 55037 | 62382 | *40512 | 36724 | 69509 | *10045 *30340 |
| France | *1101 | *1110 | Kansas | | 9409 | Canada | | 32336 | *32408 | *32416 | *40492 *40504 |
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| Russian Zone | | *19031 | feed | 14499 | 36715 | Italy | | *62286 | *40451 | *41685 | *80649 *80650 |
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| Italy | *1057 | *1121 | fermentation | | 55019 | regulation and inspection | | | *62346 | | |
| *1145 | *1152 | *1170 | fertilizers | | 2492 | Italy | | *62349 | Germany | | *8313 |
| *11273 | *73641 | | 2522 | 2565 | 20167 | Spain | | *11340 | Texas | | 8430 |
| Mozambique | | *1085 | 20174 | 20185 | 35863 | Union of South Africa | | 70907 | Tunisia | | *47715 |
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| New Zealand | | 1108 | 66267 | 8296 | *2488 | Mexico | | *18724 | *40512 | | |
| seasonal | | | *12360 | *35891 | *35935 | milling and baking quality | | | Australia | | 8400 |
| Sweden | | *81907 | *44036 | *51504 | *74866 | 8333 | 8334 | 8338 | France | | *40512 |
| Tanganyika | | 50124 | *83003 | | | 8441 | 16576 | 24402 | research | | |
| Tunisia | | *65125 | Brazil | | *74900 | 40449 | 40511 | 62311 | Sweden | | *73628 |
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| *1153 | *1161 | *11335 | Morocco | | *74888 | *8446 | *16549 | *16555 | cleaning | | *73592 |
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| Siberia | | *11293 | U S S R | | *20177 | *27033 | *40471 | *79394 | treatment | 425 | 26399 |
| Washington | | 66360 | *58300 | *66262 | | Australia | | 16612 | 49325 | 49426 | *34143 |
| cytology | | *644 | Washington | | 20142 | Southwestern States | | 16558 | Tunisia | | *65110 |
| diseases | | 424 | forage plant | | 2565 | Spain | | *55053 | vernalization | 26819 | 81625 |
| 479 | 480 | 10726 | France | | *88291 | moisture | 16645 | 62350 | *724 | *842 | *11116 |
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| 34097 | 34112 | 34153 | 26696 | 42529 | *11008 | equipment | | *79412 | U S S R | | *57034 |
| 42261 | 42310 | 49515 | *18724 | *26640 | *26706 | mountain areas | | | situation and outlook | | 8410 |
| 56438 | 56489 | 56490 | *81561 | *81584 | | Italy | | *1157 | 24375 | 24440 | 33068 |
| 64414 | 64422 | 64484 | U S S R | | *701 | North Carolina | | 26946 | 62382 | 70848 | 79342 |
| 72987 | *283 | *10798 | *11004 | *18701 | *26652 | Northwestern States | | 79415 | *8409 | *16631 | *24418 |
| *10824 | *26310 | *26844 | *56729 | *57077 | *64756 | nutritive value | 24363 | 49009 | *47747 | *62314 | *62340 |
| *42333 | *72901 | *72954 | *64762 | *64763 | *64774 | *25855 | *63767 | | Argentina | | 32406 |
| *81292 | | | germ | 25859 | 80774 | Oklahoma | | 83190 | Brazil | | *62361 |
| Argentina | *34144 | *42238 | 87762 | *24383 | *32371 | Oregon | | 24434 | Colombia | | *79481 |
| Australia | | | Germany | | *65109 | pests | 6130 | 8394 | France | | *8390 |
| New South Wales | | 451 | germination | 49980 | 64968 | 30810 | 38508 | 45937 | Italy | 24455 | *8301 |
| 18517 | | | *756 | *1027 | *56763 | 77742 | *46380 | *69321 | *62349 | | |
| Austria | | *64456 | grading and standardization | | | control | 22419 | 38735 | Montana | | 47695 |
| conferences and congresses | | | 8444 | 16646 | 16647 | 46239 | *14960 | *42148 | Morocco | | *87763 |
| 49557 | | | Argentina | | *8306 | Germany | | *60614 | Oklahoma | | 70865 |
| control | | 10742 | Australia | | 62317 | Italy | | *60700 | Spain | *11339 | *24452 |
| 26420 | *462 | *14960 | 79372 | 87714 | | New Zealand | | 10622 | Tunisia | | *24388 |
| *42148 | *64459 | | Gt Brit | | 8447 | Pakistan | | 72846 | soils | 35942 | 43937 |
| Brazil | | *56448 | hardiness | | *56729 | resistance | | 22862 | 83194 | *12380 | *26943 |
| Japan | | 73244 | U S S R | | *18816 | Tunisia | | *46366 | *77144 | | |
| U S S R | *26424 | *34156 | harvesting | 26970 | *1099 | planting | | *73598 | Canada | | |
| Dakotas | | 402 | *32416 | | | France | | *50134 | Ontario | | 66253 |
| France | | *34164 | costs | | 15408 | Intermountain Region | | 81887 | France | | *51253 |
| Greece | | *72906 | equipment | | 15408 | Peru | | *57011 | Germany | | *65175 |
| India | | 26345 | Italy | | *73569 | U S S R | | *18816 | U S S R | | *26773 |
| Italy | | *72919 | Spain | | *11340 | *34664 | *57059 | *73592 | *73547 | | |
| Kansas | | 42299 | U S S R | | *842 | policies and programs | | | spraying and dusting | | *53618 |
| Minnesota | 402 | 42291 | history | 42814 | *19035 | Algeria | | *70836 | starch | 16559 | 55014 |
| New Zealand | 10622 | 72893 | Brazil | | *50127 | Australia | | 40459 | sprouted | | 52614 |
| North Dakota | | 10723 | Gt Brit | | 8349 | Belgium | | *16552 | statistics | 24469 | 24472 |
| Oklahoma | | 73053 | hulls | | *32426 | Brazil | | *8405 | 24475 | 31999 | 55061 |
| Pacific Northwest | | 454 | hybrids | | *26639 | Chile | | *41620 | Argentina | | *8417 |
| Peru | | *49528 | *49483 | *73600 | | Colombia | | *87704 | Australia | | 40454 |
| resistance | 383 | 412 | Italy | | *1120 | France | | *47707 | Germany | | |
| 1094 | 18526 | 18531 | U S S R | | *1186 | Spain | *16547 | *24453 | Russian Zone | | *62328 |
| 73006 | 81245 | *326 | hydrogen-ion concentration | | | *79370 | *79465 | *87698 | | | |
| | | | 62357 | | | | | | | | |

* Text of this reference is not in English.

| Wheat--Cont. | | Item | Wheat--Cont. | | Item | White mustard | | Item | Wilt | | Item |
|-------------------|--------|--------|---------------------------|------------|--------|--------------------------------|---------------|--------|-----------------------------|--------|--------|
| storage | 62350 | *32442 | vitamins | 10179 | 80794 | White oak. See | Quercus alba. | *22849 | Albizzia julibrissin | 73039 | |
| *47717 | | | *88824 | | | White peach scale. See | Pseu- | | Capsicum frutescens | 81420 | |
| Brazil | | *62362 | water relations | | *51059 | daulacaspis pentagona. | | | cotton | 18474 | 26308 |
| New York | | 47732 | weed control | 27700 | *35645 | White-pine weevil. See | | | Crotalaria | | 72878 |
| pests | 8394 | 70813 | *82535 | | | Pissodes strobi. | | | cucumber | | *64425 |
| *68610 | *77512 | | Italy | | *50922 | White root rot | 49441 | | Dianthus | 18545 | 26446 |
| control | | *5317 | U S S R | *74634 | *82598 | White rot | *28684 | | 28212 | 49542 | 49545 |
| *60347 | *77215 | | yields | 751 | 5298 | White spot | 81463 | | Dimorphotheca barberiae | | 66507 |
| Washington | | 24456 | 81883 | *57056 | | White swallowwort. See | | | 64446 | | |
| straw | 67035 | *59132 | Argentina | 32406 | *8417 | Cyanchum vincetoxicum. | | | flax | 485 | 26390 |
| surpluses | | | Australia | 18983 | *57031 | White wax scale of citrus. See | | | hops | | 64420 |
| Spain | | *9127 | 65137 | | | Ceroplastes destructor. | | | Juglans | | 42274 |
| tests | 8441 | 16625 | Finland | | *65143 | White willow. See | Salix alba. | | plants | | *49336 |
| 32349 | 40449 | 62353 | France | | *18974 | Whiteflies. See | Aleyrodidae. | | potatoes | *34170 | *64496 |
| Australia | | 87714 | Kansas | | 1103 | Whitewash | *26728 | | *73048 | | |
| equipment | | 46239 | U S S R | | *26805 | Wiedemann | *83532 | | Quercus | 10751 | 26302 |
| trade | 41686 | 80651 | Wheat germ oil | | *8789 | Wiedemann E | *49075 | *63850 | 26391 | 26434 | 42337 |
| Argentina | | *8305 | Wheat stem sawfly. See | | | Wiesenboden soils | 2409 | | 56442 | 56462 | 64435 |
| Brazil | | *41719 | Cephus cinctus. | | | Wiklund | *24917 | *32789 | 81302 | 81323 | 81360 |
| Canada | 10069 | 72141 | Wheatgrass. See | Agropyron. | | Wildflowers | 11915 | 43289 | quince | | *18505 |
| Egypt | | 55970 | Wheels | *39143 | *39277 | 43387 | 43414 | 50656 | radishes | | 26426 |
| Far East | | 8309 | *69628 | | | 50727 | 65730 | 72604 | red clover | | 26328 |
| Germany | | *10045 | Whey | | | *1948 | *82423 | | Rosa | | 81281 |
| Latin America | | 41686 | acidity | | *31779 | Colorado | | 82383 | Rubus ursinus | | 18556 |
| Mexico | | 80651 | *54511 | *61674 | | Connecticut | | 50655 | strawberries | | 49360 |
| Pakistan | | 63661 | analysis and composition | | | culture | | 57605 | sugarcane | | 49519 |
| Philippines | | 10069 | 7480 | 70278 | *23799 | England | 72638 | 82346 | tomatoes | 42256 | *64854 |
| Spain | | *10037 | *78769 | | | Florida | | 10545 | Wiltshire Beekeepers' Asso- | | |
| statistics | | | chemistry | *31794 | *54511 | Gt Brit | 43320 | 43379 | ciation | | 68771 |
| Argentina | *80649 | *80650 | concentrated | 23988 | *78870 | Indonesia | | *72686 | Winches | 3397 | *3388 |
| Tunisia | | *47715 | dried | | *16171 | Iowa | | 19666 | *12858 | *12863 | *15638 |
| Venezuela | | 72141 | feed | 14023 | 37607 | Kenya | | 65749 | *28587 | *58902 | *58928 |
| transportation | | | 52620 | 52649 | 67105 | Michigan | | 72438 | *75660 | *78028 | *83799 |
| Australia | | 47727 | *21708 | | 84998 | Missouri | 1 | 50589 | Wind | *10697 | *36515 |
| equipment | | 8434 | feed | 14050 | 14484 | 50606 | | | effects on buildings | | 53871 |
| U S S R | | *81692 | 23988 | *13503 | *30097 | Mount Rainier | | 72433 | effects on insects | | 15034 |
| utilization | 24371 | 47732 | *77020 | *77023 | *75884 | pollination | | 68658 | *46364 | *69173 | |
| varieties | | 1094 | fermentation | *39968 | *54576 | Switzerland | | *50770 | effects on plants | | 20648 |
| 8333 | 8334 | 8398 | flavor and odor | | 78770 | Tennessee | | 63987 | *3349 | *10461 | *11613 |
| 11259 | 18526 | 18971 | processing | 87253 | *7670 | Texas | | 74224 | Wind erosion | 12489 | 35727 |
| 26984 | 34701 | 34717 | *7728 | *16161 | *47344 | Union of South Africa | | 57683 | 43727 | 51485 | 51486 |
| 34752 | 46380 | 55043 | products | *39968 | *87055 | Washington | | 65639 | 75117 | 75128 | 75145 |
| 62310 | 62311 | 65111 | feed | 14516 | 14521 | Wisconsin | | 65685 | *2821 | *12203 | *75106 |
| 79360 | 81882 | *1095 | properties | 15991 | 70218 | Wild mustard | | 74615 | Australia | | 58475 |
| *1140 | *11274 | *11291 | 78770 | | | Wild oats | | *27737 | control | 12516 | 28176 |
| *11305 | *19008 | *34684 | proteins | 47251 | 47344 | Wildman E de | | *25914 | 75110 | 83194 | |
| *55056 | *57003 | *57015 | 70190 | 70327 | 78770 | Wilderness areas | | 66811 | by planting | | *83199 |
| *66105 | *79450 | *81873 | research | | | 75610 | 83743 | | Great Plains | | 28158 |
| Argentina | | *1083 | Netherlands | | 87277 | Wildfire | 26486 | 34178 | U S S R | | *58490 |
| *34651 | *34660 | *34663 | utilization | 47344 | 78934 | 81394 | | | Sweden | | *36133 |
| *34703 | *34704 | *79331 | *23812 | *31794 | *70227 | Wildlife | 2197 | 2354 | U S S R | | *66452 |
| Asia | | *1144 | Whey butter | | 78934 | and agriculture | 1404 | 10211 | England | | 36097 |
| Australia | 42876 | 57032 | Whiptail | 49957 | 56789 | as pests | 10220 | 27113 | Germany | *58477 | *75092 |
| 57071 | 81913 | | *49990 | | | 36483 | 42181 | 66791 | *81493 | | |
| Tasmania | | 34756 | Whiskey | 15905 | 31667 | *75577 | | | Great Plains | | 20336 |
| Brazil | | 34322 | Whitaker T W | | 57813 | Germany | | *81151 | measurement | | 83234 |
| Canada | 26982 | 65172 | White C T | | 49066 | Norway | | *33979 | mountain areas | | |
| China | | *1101 | White F | | 69174 | conservation | 2742 | 36360 | Austria | | *2766 |
| Finland | *34709 | *57066 | White W H | | 72327 | 41461 | 63823 | | New Jersey | | 36116 |
| France | | *1087 | White ants. See | Termites. | | control | | 77969 | Union of South Africa | | *51481 |
| Germany | | | White clover | 65263 | *82041 | food plants | | 35668 | U S S R | *12492 | *66491 |
| Russian Zone | | *62328 | anatomy and physiology | | | 74212 | 74679 | | Wind machines | 1573 | 11642 |
| Great Plains | | 42888 | 81709 | | | forest relations | | 66812 | 17590 | 82183 | |
| Italy | *1148 | *1149 | Australia | | 57167 | India | | 83738 | Wind power | *15634 | *23357 |
| *1162 | *1176 | *1184 | biochemistry | | 73509 | management | 2352 | 9429 | Windbreaks | 3138 | 20763 |
| *18988 | *24370 | *26965 | genetics | 26653 | 42487 | 36518 | 44187 | 84446 | 36360 | 36361 | 51698 |
| *57020 | *62292 | *73616 | history | | | on the farm | | 10207 | 75430 | 82144 | 83569 |
| Kansas | | 42885 | Germany | | *19069 | parasites | | *13216 | *728 | *2821 | *3354 |
| Mexico | | *1093 | pests | | | refuges | | | *12825 | *20759 | *28416 |
| mountain areas | | | Haiti | | 15068 | Sweden | | *14581 | *36365 | *44398 | *51697 |
| Italy | | *57060 | New York | | 15068 | Scotland | | 75606 | *75437 | *75442 | *83578 |
| Nebraska | | 1109 | seeds | | 50273 | See also Birds; subhead | | | Argentina | | *28406 |
| Netherlands | *27017 | *42874 | New Zealand | | 50249 | wildlife relations under For- | | | artificial | | 58228 |
| North Carolina | | 11322 | U S S R | | *11441 | ests; Ranges; and names of | | | Australia | | 20753 |
| North Dakota | 1104 | 34745 | viability | | 50008 | animals and birds. | | | Azores | | *3349 |
| Norway | | *1179 | yields | | | Wildrice | | *27031 | Canada | | *58764 |
| Oklahoma | | 50148 | Florida | | 11415 | Wiley H W | | 23472 | conferences and congresses | | |
| Pacific Northwest | | 65179 | White-fringed beetle. See | | | Wilfordine | | 73480 | U S S R | *51728 | *58652 |
| Pennsylvania | | 18977 | Graphognathus leucoloma. | | | Willcox method | | 31430 | Germany | *58765 | *75439 |
| Spain | *73570 | *81909 | White grubs | 5725 | 85876 | Williams J | | 70138 | Idaho | | 58767 |
| Sweden | *34670 | *50120 | See also Melolonthidae; | | | Williamsita | | *77828 | Japan | *83199 | *83733 |
| *50121 | *70834 | *73628 | Phyllophaga. | | | Willow. See | Salix. | | Kansas | | 51695 |
| Switzerland | | *65178 | White House Conference on | | | Willow twig | | 81465 | Mexico | | *75444 |
| Texas | | 73558 | Children and Youth | 41536 | | Willowsia | | 53853 | Netherlands | | *12729 |
| Tunisia | *24388 | *42891 | 48945 | 48963 | | Wills | 32963 | 88572 | Oregon | | 36363 |
| U S S R | *1113 | *1175 | White mold | | 56384 | Wilmott A J | | 88900 | pests | | |
| *1187 | *26806 | *26977 | White muscle disease | 52360 | | Wilson F N | | 37525 | U S S R | *3301 | *5366 |
| *73567 | *73627 | | 84650 | *52899 | | Wilson G F | 41888 | 56131 | *22675 | *56369 | *83709 |
| Washington | | 73632 | See also Arthritis. | | | Wilson and Co | | 87882 | | | |

* Text of this reference is not in English.

| | Item | | Item | | Item | | Item |
|-----------------------------|--------------------|-----------------------------|----------------------|-----------------------------|----------------------|-----------------------------|-------------------|
| Windbreaks--Cont. | | Wine--Cont. | | Wine--Cont. | | Wine--Cont. | |
| planting | 51700 | bacteria | 54440 *39669 | industry--cont. | | manufacture--cont. | |
| Austria | *58840 | *39712 *39735 | | Argentina | *7354 *86987 | study and teaching | *23692 |
| England | 3133 | bibliographies | 54359 | Australia | 23657 86975 | *57541 | |
| Germany | *20760 *58639 | biochemistry | *39676 *39750 | Austria | *15892 *15902 | Italy | *35177 |
| *58766 | | *61463 *61498 *61566 | | *23689 *23714 | | Sweden | *78530 |
| Gt Brit | 3123 | bottling | *15867 *47113 | Brazil | *7355 *7356 | Switzerland | *7374 |
| U S S R | *2763 *3132 | *70005 | | *15862 *39737 *47131 | | U S S R | *7332 *7367 |
| *3244 *3250 *3258 *3264 | | California | 7400 86971 | California | 7285 61573 | *7383 *23659 *23707 *23723 | |
| *3275 *3283 *3288 *3293 | | canned | 23594 | Chile | *69985 | *39699 *39712 *39719 *39724 | |
| *12609 *12632 *12640 *12641 | | care and handling | *23648 | England | 78545 | *39731 *39735 *39739 *39741 | |
| *12650 *12783 *28490 *44473 | | *47113 *70081 | | France | *7315 *7376 | *39757 *39762 *61463 *61468 | |
| *58832 *75523 *75528 *75562 | | Germany | *23702 | *7385 *15878 *39665 *39689 | | *61541 *61548 *70011 *70017 | |
| *75570 *83663 | | chemistry | 47098 54372 | *54428 *78539 *86977 | | *70054 *70059 *70068 *70071 | |
| Sardinia | *75435 | 54378 *54395 *54397 *61550 | | Germany | *23619 *23645 | *71524 | |
| U S S R | *1521 *1889 *2119 | *61578 | | *23649 *23653 *23724 *39673 | | marketing | *31611 *69987 |
| *2591 *2606 *2815 *2827 | | Chile | *65575 | *39764 *47122 *47159 *61526 | | *86920 | |
| *2949 *2965 *2972 *3120 | | clarification | 31657 39742 | Italy | *7282 *7313 *15885 | Australia | 79188 |
| *3135 *3194 *3209 *3227 | | 54375 54386 54387 54423 | | *23615 *31653 *39686 *39743 | | Austria | *7303 |
| *3253 *3267 *3316 *3346 | | 70006 *7339 *7366 *23690 | | *54370 *61558 *78574 *86921 | | Brazil | *70045 |
| *3348 *3350 *5285 *10687 | | *31665 *54439 *70092 | | Peru | *23612 | California | 23698 69989 |
| *11635 *12170 *12642 *12644 | | color | *15859 *23690 *70027 | Portugal | *7289 *54385 | France | *15848 |
| *12648 *12695 *12769 *12775 | | conferences and congresses | | Romania | *23670 | Germany | *69994 |
| *12776 *12809 *12829 *12832 | | 54358 *15852 *15854 *23597 | | sanitation | 54440 | Italy | *39748 *61486 |
| *14877 *15063 *19300 *20297 | | *23609 *23610 *27345 *39680 | | Spain | *39727 *39749 | *70009 | |
| *20652 *20653 *20655 *20711 | | *57547 *61482 *69992 | | *61528 *86974 | | microorganisms | *7307 |
| *28323 *28405 *28442 *28446 | | France | *61483 | Switzerland | *78554 | *7362 *31623 *39698 *54405 | |
| *28456 *28458 *28532 *31199 | | Germany | *23617 *23619 | U S S R | 23646 *7299 | molds | 54440 |
| *35195 *36101 *36299 *36393 | | *23681 | | *7338 *7402 *15860 *31648 | | *23592 | |
| *36514 *36515 *42995 *43104 | | Italy | *61483 | *39711 *39718 *69996 *70015 | | musts | 7276 *7361 *7374 |
| *43152 *43171 *44394 *44438 | | U S S R | *23728 | *70016 *70030 *70057 *70058 | | *7395 *7399 *15861 *15880 | |
| *44467 *44512 *56658 *58490 | | consumption | 70088 | in literature | | *15907 *16372 *23715 *31620 | |
| *58674 *58800 *58805 *64049 | | Argentina | *7291 | Italy | *31683 *47105 *54360 | *31626 *31632 *31677 *39687 | |
| *66452 *73973 *75253 *75309 | | Europe | 78544 | *61510 *78547 *86922 | | *39709 *39750 *54441 *69981 | |
| *75317 *75328 *75473 *75488 | | France | 78544 | judging | *61499 *69987 *70013 | *70085 *78634 | |
| *75490 *75492 *75514 *75534 | | Italy | *23693 *47141 *78555 | *70025 | | Algeria | *15846 *39670 |
| *75599 *75604 *82224 *82712 | | Spain | *70046 | keeping quality | 39768 *31658 | analysis and composition | |
| *83139 *83160 *83202 *83377 | | containers | 23652 39744 | *31675 | | *15865 *73526 | |
| *83378 *83401 *83412 *83623 | | 39765 78585 *7326 *7372 | | labeling | *23641 *23682 | Argentina | *61511 |
| *83626 *83652 *83697 *83731 | | *7382 *7388 *15898 *15907 | | *54398 *61501 | | concentrated | *7401 |
| *83732 | | *23631 *31678 *69984 *70086 | | France | *61530 | France | *61496 |
| Ukraine | *66716 | *78579 *86965 | | Germany | *61506 | Germany | *23596 *47163 |
| work management | | contamination | *78629 | Italy | *39684 *39685 | processing | 23593 |
| U S S R | *3132 | cooperatives | | U S S R | *39723 | quality | *78636 |
| Wyoming | 66714 | France | *15873 *86955 | legislation | | taxation | *9186 |
| Yugoslavia | *12828 *44307 | Germany | *23725 | Algeria | *61493 | U S S R | *39706 *61547 |
| Windmills | 24403 *54176 | Italy | *39681 | France | *86980 | Yugoslavia | *15879 |
| France | *75063 | Spain | *39734 | Italy | *78618 *86929 | nutritive value | *63782 |
| Gt Brit | 86744 | costs and returns | *41407 | Switzerland | *86952 | packaging | 23595 23640 |
| U S S R | *15636 *39393 | *86920 | | manufacture | 1669 31657 | 54364 | |
| *39396 *54159 | | Austria | *63318 | 39769 47098 47127 54415 | | pasteurization | *39674 *61502 |
| Window gardens | 1880 2142 | Germany | *80344 | 54427 70020 70055 78640 | | policies and programs | |
| 11817 27460 50776 57666 | | defects | 23703 70044 | 86936 *7280 *7318 *7333 | | *7398 *47097 | |
| 65404 73914 74262 74367 | | *7374 *23691 *31623 *31652 | | *7342 *7343 *7350 *7358 | | France | *47115 *54365 |
| *82291 | | *31656 *39669 *39714 *39730 | | *7359 *7360 *7368 *7377 | | *54366 *54408 *61465 *61494 | |
| Sweden | *19692 | *54390 *61527 *61554 *78625 | | *15837 *15844 *15876 *15881 | | Germany | *23600 |
| See also House plants. | | *86928 *86967 | | *15893 *15901 *15908 *23628 | | Italy | *7296 *7344 *7345 |
| Windows | 10353 23228 61158 | directories | 86925 | *23631 *23643 *23673 *23697 | | *31662 *61478 *61485 *78618 | |
| 66923 78343 *6845 *28640 | | exhibits | | *31617 *31624 *31628 *31630 | | Portugal | *54385 |
| *39304 *61160 *83917 | | Italy | *86984 | *31631 *31635 *31642 *31644 | | Spain | *70046 |
| Windstorm insurance | 80006 | fermentation | 54372 54378 | *31650 *39667 *39693 *39708 | | U S S R | *39675 *69995 |
| 80012 80020--80022 80025 | | 54418 *7343 *7399 *15861 | | *39713 *39721 *39728 *47143 | | *70012 | |
| 80044 | | *23622 *31631 *31651 *47116 | | *54373 *54397 *54421 *54431 | | preservation | *39674 |
| Windstorms | 39309 | *47143 *78629 | | *61475 *61552 *61555 *61560 | | prices | *15845 |
| Wine | 23709 *7298 *15894 | Italy | *31618 | *61575 *61577 *69982 *70024 | | Austria | *7373 |
| *23673 *23678 *54432 *78560 | | U S S R | *23723 *61519 | *70048 *78535 *78546 *78576 | | Spain | *39695 |
| *78651 | | flavor and odor | 23637 | *78645 *86946 *86949 *86959 | | processing | *31608 *31664 |
| acidity | *78608 | 54369 *7010 *23601 *23605 | | *86976 | | *31675 *54392 *54422 | |
| adulteration | *31670 *47132 | *70083 *78548 *78625 *86988 | | accounting | *70034 *70082 | products | *7279 |
| advertising | 39717 39767 | France | 70032 *23671 | *70091 | | public relations | *47107 |
| Italy | *15872 | *31666 *50557 *88291 | | Austria | *15886 | Italy | *39748 |
| aging | *31675 | Germany | *23649 *50550 | Belgium | *15864 | Switzerland | *23704 |
| U S S R | *39676 | grading and standardization | | California | *31614 | quality | 54426 *15898 |
| Algeria | *15857 *47099 | *39722 *61501 | | cooperatives | | *31609 *54421 *64883 *69987 | |
| analysis and composition | | Algeria | *31627 *78607 | Algeria | *54371 | *70056 *78636 | |
| 23624 32161 39726 54374 | | France | *54433 *69993 | France | *54393 *54414 | Algeria | *78607 |
| 54409 70038 *7283 *7312 | | *78612 *78641 | | *54429 | | Austria | *61564 |
| *7394 *7397 *15882 *23590 | | Germany | *39672 *47138 | Italy | *70010 *78551 | Chile | *70067 *70077 |
| *23591 *23616 *23719 *31625 | | Italy | *39684 | *78553 *78569 *78570 | | France | *54365 *54408 |
| *31660 *47103 *47104 *47110 | | history | *7337 | Spain | *54417 | *54425 *54429 *61570 | |
| *61474 *61499 *61500 *61522 | | Ancient Greece | *61518 | *78616 | | Italy | *61485 |
| *61556 *61557 *61567 *61568 | | Ancient Rome | *61518 | equipment | *31655 *31678 | Switzerland | *57559 |
| *70013 *70037 *70083 *78532 | | Austria | *23662 | *39711 *39740 *47133 *47135 | | refrigeration | 47127 *7359 |
| *78586 *78608 *78623 *86986 | | California | 10308 | France | 61466 | Italy | *7287 |
| equipment | 7304 | France | *80698 | *54437 *78622 | | regulation and inspection | |
| France | *61495 *61496 | Union of South Africa | 25925 | Germany | *23666 *23702 | *23680 *65576 | |
| Italy | *31619 *31674 | hydrogen-ion concentration | 7304 *54395 | Italy | *7288 *50546 *70009 | Argentina | *23695 |
| *86957 | | industry | *45325 | legal aspects | | California | 69989 |
| associations | *7363 | | | Argentina | *23695 | France | *23635 *23677 |
| France | *54391 *54412 | | | | | *47134 *61530 | |

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| | Item | | Item | | Item | | Item |
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